UNIVERSITATEA NAȚIONALĂ DE ȘTIINȚĂ ȘI TEHNOLOGIE POLITEHNICA DIN BUCUREȘTI

FIŞA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE PREZENTARE LA CONCURS

– TEZA DE ABILITARE –
ORGANIC BUILDING BLOCKS AND FUNCTIONAL HYBRID MATERIALS AND NANOSTRUCTURES

CANDIDAT: **Conf. Dr. Ing. Paul Cătălin BALAURE**
Departamentul de Chimie Organica
Facultatea de Inginerie Chimică și Biotehnologii

Condiţii	**Îndeplinire condiţii**	
A. Doctor	**Diploma de Doctor,** în domeniul Chimie, Seria P Nr. 0001230, emisă de, Secția de Științe Chimice a Academiei Române, Institutul de Chimie Organică București la data de 08.07. 1997/Nr.169, pe baza avizării Consiliului Național de Atesstare a Titlurilor, Diplomelor și Certificatelor Universitare din zoiua de 8-9 mai 1997, aprobată prin Ordinul Ordinului Ministrului Învăşământului Nr. 3991 din 02.06.1997.	
B. Îndeplinirea standardelor minime naţionale conform OMEN nr. 6129/2016; Anexa nr. 8 – Comisia de Inginerie Chimica, Inginerie Medicala, Stiinta Materialelor si Nanomateriale, Comisia CNATDCU Nr. 8	Standarde indeplinite, conform Comisiei CNATDCU Nr. 8, Comisia Inginerie Chimică, Inginerie Medicală, Știința Materialelor și Nanomateriale Anexată: Fișa de calcul și de susținere a îndeplinirii standardelor minimale specifice domeniului, în acord cu realizarile menționate:	
Standarde minimale și obligatorii	**Minim prevăzut**	**Realizat**
NTOP – număr total de articole în reviste ISI situtate în top 25% (zona roșie) în calitate de autor principal. Situația revistelor în top 25% se judecă pe cazul cel mai favorabil pentru candidat, fie la momentul publicării, fie **la data înscrierii la concurs**.	**≥ 4**	**8**
FIC – factor de impact cumulat (suma factorilor de impact ai revistelor la momentul înscrierii la concursul pentru ocuparea unei poziții didactice)	**≥ 30**	**77,202**
NP – număr articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență)	**≥ 20**	**22**
NC - Număr total de citări din baza SCOPUS (se exclud autocitările candidatului)	**≥ 120**	**815**
NCO – număr contracte de cercetare-dezvoltare-inovare obținute prin competiție la nivel național sau internațional ori contracte de cercetare-dezvoltare-inovare cu terții în valoare minimă echivalentă cu 10.000 euro	**≥ 1**	**1**
C. Atestarea studiilor (Diplome + Foi Matricole) și a altor realizări profesionale	**Diploma de Inginer** în profilull Chimie, specializarea **Tehnologie Chimică Organică**, seria E. Nr. 4769 eliberatî în 03.03.1987/Nr. 1294 emisă de Institutul Politehnic București, Facultatea de Tehnologie Chimică.	
	Diplomă de Doctor, în domeniul Chimie, nr 169 din 08.07.1997 emisă Secția de Științe Chimice a Academiei Române în baza Ordinului Ministrului Învățământului Nr. 3991, din 02.07.1997.	

Subsemnatul, **Paul Cătălin BALAURE**, candidat la obținerea atestatului de abilitare, Departamentul de Chimie Organică, Facultatea de Inginerie Chimică și Biotehnologii, din Domeniul de Studii Univ. Inginerie Chimică, arondat Comisiei de Specialitate CNATDCU [OMECTS 4106/10.06.2016] Nr. 8, Inginerie Chimică, inginerie medicală, știința materialelor și nanomateriale, declar pe propria răspundere, cunoscând prevederile art. 292 privind falsul în declarații, din Legea 286/2009 - Codul Penal, ca sunt îndeplinite toate standardele minimale prevăzute de metodologia privind ocuparea posturilor didactice și de cercetare vacante în UNSTPB, în momentul înscrierii la concurs, și susțin veridicitatea informațiilor prezentate în dosar și în materialul de mai sus. Lucrările considerate a fi incluse in Baza ISI Thomson Reuters Web of Science sau în alte Baze de Date Internaționale [BDI] sunt vizibile în aceste baze, în dreptul numelui candidatului, la aceasta data.

Candidat,

Data

Conf. Dr. Ing. **Paul Cătălin BALAURE** 19.04.2024

TABEL 1

VERIFICARE CRITERII, FIC, NP, NC, NTOP

Nr.	Lucrari	FI 2022	Nr. Autori	FIC	NP	NC	NTOP
	Articole ISI - autor principal						
1	**Multifunctional Polymeric Biodegradable and Biocompatible Coatings Based on Silver Nanoparticles: A Comparative In Vitro Study on Their Cytotoxicity towards Cancer and Normal Cell Lines of Cytostatic Drugs versus Essential-Oil-Loaded Nanoparticles and on Their Antimicrobial and Antibiofilm Activities, Puiu, RA; Birca, AC; Grumezescu, V; Duta, L; Oprea, OC; Holban, AM; Hudita, A; Galateanu, B; Balaure, PC*; Grumezescu, AM; Andronescu, E.; Pharmaceutics, 2023, 15(7), Article Number: 1882, DOI: 10.3390/pharmaceutics15071882, WOS: 001038852100001, Q1.**	5,4	11	5,400	1	3	1
2	**Biofilm-Resistant Nanocoatings Based on ZnO Nanoparticles and Linalool, Spirescu, VA; Suhan, R; Niculescu, AG; Grumezescu, V; Negut, I; Holban, AM; Oprea, OC; Birca; Vasile, BS; Grumezescu, AM; Bejenaru, LE; Mogosanu, GD; Bejenaru, C; Balaure, PC*; Andronescu, E; Mogoanta, L., Nanomaterials, 2021, 11(10), Article Number: 2564, DOI: 10.3390/nano11102564, WOS:000713418000001**	5,3	16	5,300	1	17	
3	**Anti-Cancer Nanopowders and MAPLE-Fabricated Thin Films Based on SPIONs Surface Modified with Paclitaxel Loaded beta-Cyclodextrin, Puiu, RA; Balaure, PC*; Constantinescu, E; Grumezescu, AM; Andronescu, E; Oprea, OC; Vasile, BS; Grumezescu, V; Negut, I; Nica, IC; Stan, MS., Pharmaceutics, 2021, 13(9), Article Number: 1356, DOI: 10.3390/pharmaceutics13091356, WOS:000701408500001, Q1**	5,4	11	5,400	1	19	1
4	**Recent Advances in Surface Nanoengineering for Biofilm Prevention and Control. Part II: Active, Combined Active and Passive, and Smart Bacteria-Responsive Antibiofilm Nanocoatings, Balaure, PC; Grumezescu, AM., Nanomaterials, 2020, 10(8), Article Number: 1527, DOI:10.3390/nano10081527, WOS:000564757600001**	5,3	2	5,300	1	34	
5	**Recent Advances in Surface Nanoengineering for Biofilm Prevention and Control. Part I: Molecular Basis of Biofilm Recalcitrance. Passive Anti-Biofouling Nanocoatings, Balaure, PC; Grumezescu, AM., Nanomaterials, 2020, 10(6), Article Number: 1230, DOI: 10.3390/nano10061230, WOS:000552438700001**	5,3	2	5,300	1	36	

6	**In vitro and in vivo studies of novel fabricated bioactive dressings based on collagen and zinc oxide 3D scaffolds, Balaure, PC; Holban, AM; Grumezescu, AM; Mogosanu, GD; Balseanu, TA; Stan, MS; Dinischiotu, A; Volceanov, A; Mogoanta, L., International Journal Of Pharmaceutics, 2019, 557, 199-207, WOS: 000457290600023, Q1**	5,8	9	5,800	1	69	1
7	**Smart Triggered Release in Controlled Drug Delivery, Balaure, PC; Gudovan, D; Gudovan, IA, CURRENT DRUG TARGETS, 2018, Volume: 19 Issue: 4 Pages: 318-327, DOI10.2174/1389450117666160401125034, WOS:000426208400003**	3,2	3	3,200	1	11	
8	**Bioactive mesoporous silica nanostructures with anti-microbial and anti-biofilm properties, Balaure, PC; Boarca, B; Popescu, RC; Savu, D; Trusca, R; Vasile, BS; Grumezescu, AM; Holban, AM; Bolocan, A; Andronescu, E., International Journal Of Pharmaceutics, 2017, 531(1), 35-46, DOI10.1016/j.ijpharm.2017.08.062, WOS:000410648200004, Q1**	5,8	10	5,800	1	32	1
9	**Biocompatible hybrid silica nanobiocomposites for the efficient delivery of anti-staphylococcal drugs, Balaure, P.C., Popa R.A., Grumezescu, A.M., Voicu, G., Rădulescu, M., Mogoantă, L., Balseanu, T.A., Mogoșanu, G.D., Chifiriuc, M.C., Bleotu C., Holban A.M., Bolocan, A., International Journal of Pharmaceutics, 2016, 510(2), 532-542, DOI10.1016/j.ijpharm.2016.03.037, WOS:000380754500016, Q1**	5,800	12	5,800	1	10	1
10	**Functionalized magnetic nanoparticles for biomedical applications, Gudovan, D., Balaure, P.C. *, Mihaiescu, D.E., Fudulu, A., Purcareanu, B., Radu, M., Current Pharmaceutical Design, 2015, 21 (42), 6038-6054, DOI10.2174/1381612821666151027151702, WOS:000366196700002**	3,1	6	3,100	1	19	
11	**Smart synthetic polymer nanocarriers for controlled and site-specific drug delivery, Balaure, P.C., Grumezescu, A.M., Current Topics in Medicinal Chemistry, 2015, 15 (15), 1424-1490, WOS:000355196100002**	3,4	2	3,400	1	18	
12	**Methods for synthesizing the macromolecular components of smart nanosized carriers for controlled drug delivery, Balaure P.C., Grumezescu A.M., Current Medicinal Chemistry, 2014, 21 (29), 3333-3374, WOS:000341968600004, Q1**	4,1	2	4,100	1	8	1

13	**Water dispersible cross-linked magnetic chitosan beads for increasing the antimicrobial efficiency of aminoglycoside antibiotics, Grumezescu, A.M., Andronescu, E., Holban, A.M., Ficai, A., Ficai, D., Voicu, G., Grumezescu, V., Balaure, P.C.*, Chifiriuc, C.M., International Journal of Pharmaceutics, 454 (1), 2013, 233-240, DOI10.1016/j.ijpharm.2013.06.054, WOS:000323854600028, Q1**	5,8	9	5,800	1	70	1
14	**Fabrication, characterization and in vitro profile based interaction with eukaryotic and prokaryotic cells of alginate-chitosan-silica biocomposite, Balaure, P.C., Andronescu, E., Grumezescu, A.M., Ficai, A., Huang, K.-S., Yang, C.-H., Chifiriuc, C.M., Lin, Y.-S., International Journal of Pharmaceutics, 441 (1-2), 2013, 555-561, DOI10.1016/j.ijpharm.2012.10.045, WOS:000314054200066, Q1**	5,800	8	5,800	1	40	1
15	**Synthesis of new dibenzo[b,f]azepine derivatives, Balaure, P.C., Costea, I., Iordache, F., Drăghici, C., Enache, C., Revue Roumaine de Chimie, 54 (11-12), 2009, 935-942, WOS:000276497500010**	0,5	5	0,500	1	8	
16	**Domino reactions - A versatile synthetic methodology in organic chemistry. Part II. Hetero-domino reactions, Balaure, PCF; Filip, PIA, REVUE ROUMAINE DE CHIMIE, 2001, 46(8), 809-833, WOS:000177989900001**	0,5	2	0,500	1	17	
17	**Domino reactions - A versatile synthetic methodology in organic chemistry. Part I. Homo-domino reactions, Balaure, PCF; Filip, PIA, REVUE ROUMAINE DE CHIMIE, 2001, 46(7), 679--702**	0,5	2	0,500	1	2	
18	**Ring opening reactions in benzocyclobutenonic systems, Balaure, PCF; Cornilescu, NA; Petride, AG; Filip, PIA; Badescu, VM; Radu, MS, REVUE ROUMAINE DE CHIMIE, 2000, Volume: 45 Issue: 7-8 Pages: 779-793, WOS:000168499800024**	0,5	6	0,500	1		
19	**A NEW SYNTHESIS OF ISOBENZOFURAN-1(3H)-ONE, BALAURE, P; CORNILESCU, N; FILIP, P, REVUE ROUMAINE DE CHIMIE, 1992, Volume: 37 Issue: 9 Pages: 1063-1065, WOS:A1992JZ34100013**	0,5	3	0,500	1		
20	**MEMBRANES IN SEPARATION PROCESSES .3. PERVAPORATION, BALAURE, P; POPESCU, G, REVISTA DE CHIMIE, 1990, Volume: 41 Issue: 4 Pages: 320-328, WOS:A1990DX17000005**		2		1		
21	**Organic Polymeric Nanomaterials as Advanced Tools in the Fight Against Antibiotic-Resistant Infections, Balaure, P.C., Gudovan, D., Gudovan, I., FUNCTIONALIZED NANOMATERIALS FOR THE MANAGEMENT OF MICROBIAL INFECTION: A STRATEGY TO ADDRESS MICROBIAL DRUG RESISTANCE Edited by:Boukherroub, R; Szunerits, S; Drider, D Book Series: Micro & Nano Technologies, Pages: 153-265, Published: 2017, DOI10.1016/B978-0-323-41625-2.00006-5, WOS:000426404600007**		3		1	5	

22	**NANOTECHNOLOGY DEPOLLUTION OF HEAVY METALS PRESENT IN POTABLE WATER, Balaure, P.C., Gudovan, D., Gudovan, I. WATER PURIFICATION Edited by:Grumezescu, AM Book Series: Nanotechnology in the Agri-Food Industry, Volume: 9 Pages: 551-586 DOI: 10.1016/B978-0-12-804300-4.00016-2 Published: 2017, WOS: 000422862100019**		3		1	7	
	Articole ISI						
23	**Mesoporous silica coatings for cephalosporin active release at the bone-implant interface, Rădulescu, D., Voicu, G., Oprea, A.E., Andronescu, E., Grumezescu, V., Holban, A.M., Vasile, B.S., Surdu, A.V., Grumezescu, A.M. , Socol, G., Mogoantă, L., Mogoşanu, G.D., Balaure, P.C., Rădulescu, R., Chifiriuc, M.C., Applied Surface Science, 2016, 374, 165-171, DOI: 10.1016/j.apsusc.2015.10.183, WOS: 000375937300027**	6,7	15	0,447		19	
24	**Functionalized antibiofilm thin coatings based on PLA-PVA microspheres loaded with usnic acid natural compounds fabricated by MAPLE, Grumezescu, V., Socol, G., Grumezescu, A.M., Holban, A.M., Ficai, A., Truşcă, R., Bleotu, C., Balaure, P.C., Cristescu, R., Chifiriuc, M.C., Applied Surface Science, 302, 2014, 262-267, DOI: 10.1016/j.apsusc.2013.09.081, WOS:000333405800053**	6,7	10	0,670		63	
25	**Improved activity of aminoglycosides entrapped in silica networks against microbial strains isolated from otolaryngological infections, Anghel, I., Grumezescu, A.M., Holban, A.M., Gheorghe, I., Vlad, M., Anghel, G.A., Balaure, P.C., Chifiriuc, C.M., Ciuca, I.M., Farmacia, 62(1), 2014, 69-78, WOS: 000331664700007**	1,6	9	0,178		6	
26	**Culture methods versus flow cytometry for the comparative assessment of the antifungal activity of Eugenia caryophyllata thunb. (Myrtaceae) essential oil, Saviuc, M.C., Grumezescu, A.M., Bleotu, C., Holban, A.M, Chifiriuc, M.C., Balaure, P., Predan, G., Lazar, V., Farmacia 61(5), 2013, 912-919, WOS:000325909700008**	1,6	8	0,200		5	
27	**Development of amperometric biosensors based on nanostructured tyrosinase-conducting polymer composite electrodes, Lupu, S., Lete, C., Balaure, P.C., Caval, D.I., Mihailciuc, C., Lakard, B., Hihn, J.Y., Javier del Campo, F., Sensors (Basel, Switzerland), 13 (5), 2013, 6759-6774, DOI: 10.3390/s130506759, WOS: 000319445600074**	3,9	8	0,488		55	
28	**In situ electrodeposition of biocomposite materials by sinusoidal voltages on microelectrodes array for tyrosinase based amperometric biosensor development, Lupu, S., Lete, C., Balaure, P.C., Campo, F.J.D., Muñoz, F.X., Lakard, B., Hihn, J.-Y., Sensors and Actuators, B: Chemical, 181, 2013, 136-143, DOI: 10.1016/j.snb.2013.01.060, WOS: 000317941100020**	8,4	7	1,200		32	

29	**Biocompatible magnetic MWCNTs based on phytocomponents from Eugenia carryophyllata, Saviuc, C., Grumezescu, A.M., Banu, O., Chifiriuc, C., Mihaiescu, D., Balaure, P., Lazar, V., Revista de Chimie, 63 (5), 2012, 531-535, WOS:000304494200017**		7			5	
30	**Bioassay and electrochemical evaluation of controlled release behavior of cephalosporins from magnetic nanoparticles, Mihaiescu, D.E., Grumezescu, A.M., Buteica, A.S., Mogosanu, D.E., Balaure, P.C., Mihaiescu, O.M., Trăistaru, V., Vasile, B.S., Digest Journal of Nanomaterials and Biostructures, 7 (1), 2012, 253-260, WOS: 000303649000028**	0,9	8	0,113		7	
31	**Inhibitory activity of Fe 3O 4/oleic acid/usnic acid - Core/shell/extra-shell nanofluid on S. aureus biofilm development, Grumezescu, A.M., Saviuc, C., Chifiriuc, M.C., Hristu, R., Mihaiescu, D.E., Balaure, P., Stanciu, G., Lazar, V., IEEE Transactions on Nanobioscience, 10 (4), 2011, art. no. 6096421, 269-274, DOI: 10.1109/TNB.2011.2178263, WOS:000299525900008**	3,9	8	0,488		63	
32	**Synthesis and electrochemical characterization of new water soluble thiophene derivatives, Lupu, S., Balaure, P.C., Costea, I., Lete, C., Marin, M., Enache, C., Revista de Chimie, 60 (3), 2009, 248-251, WOS: 000265053000008**		6	0,000		4	
33	**Electrochemical sensors based on platinum electrodes modified with hybrid inorganic-organic coatings for determination of 4-nitrophenol and dopamine, Lupu, S., Lete, C., Marin, M., Totir, N., Balaure, P.C., Electrochimica Acta, 54 (7), 2009, 1932-1938, DOI: 10.1016/j.electacta.2008.07.051, WOS: 000264925100004**	6,6	5	1,320		127	
34	**Voltammetric Determination Of Dopamine At Pedot-Prussian Blue Composite Modified Electrodes, Lupu, S; Balaure, PC; Lete, C; Marin, M; Totir, N., Revue Roumaine De Chimie, 53(10), 931, 2008, WOS: 000266215500005**	0,5	5	0,100		4	

TABEL II VERIFICARE CRITERIU NC (LUCRAREA CITATA INSOTITA DE CITARILE DIN BAZA SCOPUS (fara autocitari)

	Comisia Inginerie Chimică Inginerie Medicală, Știința Materialelor și Nanomaterialelor **BALAURE PAUL CĂTĂLIN** **Conferențiar** **Universitatea Națională de Știință și Tehnologie Politehnica Bucuresti, Facultatea de Inginerie Chimică și Biotehnologii, Departament:Chimie Organică "C. Nenițescu"**	
	ARTICOLE ISI - AUTOR PRINCIPAL SAU CORESPONDENT	NC
1	**Multifunctional Polymeric Biodegradable and Biocompatible Coatings Based on Silver Nanoparticles: A Comparative In Vitro Study on Their Cytotoxicity towards Cancer and Normal Cell Lines of Cytostatic Drugs versus Essential-Oil-Loaded Nanoparticles and on Their Antimicrobial and Antibiofilm Activities, Puiu, RA; Birca, AC; Grumezescu, V; Duta, L; Oprea, OC; Holban, AM; Hudita, A; Galateanu, B; Balaure, PC*; Grumezescu, AM; Andronescu, E.; Pharmaceutics, 2023, 15(7), Article Number: 1882, DOI: 10.3390/pharmaceutics15071882, WOS: 001038852100001, Q1.**	3
	Yingngam, B. **Nanocoatings for cosmetotextiles** **(2024) Sustainable Approach to Protective Nanocoatings, pp. 170-202.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85189130816&doi=10.4018%2f9798369331361.ch006&partnerID=40&md5=0775bac2d35c0ee4b0dc03eec7ad624b** **DOI: 10.4018/9798369331361.ch006** **DOCUMENT TYPE: Book Chapter** **SOURCE: Scopus** **Garg, R., Anjum, A.** **Sustainable approach to protective nanocoatings** **(2024) Sustainable Approach to Protective Nanocoatings, pp. 1-443.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85189126290&doi=10.4018%2f9798369331361&partnerID=40&md5=2294eeefacae51e62e3ddc40d7b3f5cb** **DOI: 10.4018/9798369331361** **DOCUMENT TYPE: Book** **SOURCE: Scopus** **Savchenko, I.V., Zlotnikov, I.D., Kudryashova, E.V.** **Biomimetic Systems Involving Macrophages and Their Potential for Targeted Drug Delivery** **(2023) Biomimetics, 8 (7), art. no. 543, .** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178151654&doi=10.3390%2fbiomimetics8070543&partnerID=40&md5=49e7b5b6f7ebb45c1156e41675f397ad** **DOI: 10.3390/biomimetics8070543** **DOCUMENT TYPE: Review** **SOURCE: Scopus**	
2	**Biofilm-Resistant Nanocoatings Based on ZnO Nanoparticles and Linalool, Spirescu, VA; Suhan, R; Niculescu, AG; Grumezescu, V; Negut, I; Holban, AM; Oprea, OC; Birca; Vasile, BS; Grumezescu, AM; Bejenaru, LE; Mogosanu, GD; Bejenaru, C; Balaure, PC*; Andronescu, E; Mogoanta, L., Nanomaterials, 2021, 11(10), Article Number: 2564, DOI: 10.3390/nano11102564, WOS:000713418000001**	17
	Elmaghrabi, M.M., Alharbi, N.S., Alobaidi, A.S., Abdulmanea, A.A., Kadaikunnan, S., Ramadan, A.A., Khaled, J.M. **Iron-tannic acid nano-coating: A promising treatment approach for enhancing Lactococcus lactis antibiotic resistance** **(2024) Saudi Pharmaceutical Journal, 32 (5), art. no. 102052, .** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85189783227&doi=10.1016%2fj.jsps.2024.102052&partnerID=40&md5=cb8ff30fd1f0c80f63fd3fcbcfa19d7b** **DOI: 10.1016/j.jsps.2024.102052** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Constantinescu, S., Niculescu, A.-G., Hudiță, A., Grumezescu, V., Rădulescu, D., Bîrcă, A.C., Dorcioman,**	

	G., Gherasim, O., Holban, A.M., Gălăţeanu, B., Vasile, B.Ú., Grumezescu, A.M., Bolocan, A., Rădulescu, R. **Nanostructured Coatings Based on Graphene Oxide for the Management of Periprosthetic Infections** **(2024) International Journal of Molecular Sciences, 25 (4), art. no. 2389, .** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85185900590&doi=10.3390%2fijms25042389&partnerID=40&md5=5ea5b9eb49c0bf42a25e81def0e7ecc8** **DOI: 10.3390/ijms25042389** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Faiq, N.H., Ahmed, M.E.** **Effect of Biosynthesized Zinc oxide Nanoparticles on Phenotypic and Genotypic Biofilm Formation of Proteus mirabilis** **(2024) Baghdad Science Journal, 21 (3), pp. 894-908. Cited 1 time.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85187937252&doi=10.21123%2fbsj.2023.8067&partnerID=40&md5=89203da6b1b1cde32c10a6b1e7382814** **DOI: 10.21123/bsj.2023.8067** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Faiq, N.H., Ahmed, M.E.** **Inhibitory Effects of Biosynthesized Copper Nanoparticles on Biofilm Formation of Proteus mirabilis** **(2024) Iraqi Journal of Science, 65 (1), pp. 65-78.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85185602707&doi=10.24996%2fijs.2024.64.1.7&partnerID=40&md5=7612a7204d787b502ba2c3dbc52a9e82** **DOI: 10.24996/ijs.2024.64.1.7** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Parlakyigit, A.S., Ergun, C., Gokcekaya, O.** **Synthesis of ZnO nanoparticles via spray atomization assisted inductively coupled plasma technique** **(2023) Ceramics International, 49 (14), pp. 23035-23044. Cited 3 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153346839&doi=10.1016%2fj.ceramint.2023.04.129&partnerID=40&md5=a10756544adf3523d615b064047b1545** **DOI: 10.1016/j.ceramint.2023.04.129** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Abouelkheir, S.S., Elsherbiny, B.A., Moffit, S.M., Mahmoud, N.H., Mohamed, J.H., Abdella, B., El-Sheekh, M.M.** **Nanobiotechnology: A sustainable approach for marine environment bioremediation** **(2023) Industrial Wastewater Reuse: Applications, Prospects and Challenges, pp. 165-187.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171519922&doi=10.1007%2f978-981-99-2489-9_8&partnerID=40&md5=a3a4f18e8c6b3ef78e010cee5480c8c0** **DOI: 10.1007/978-981-99-2489-9_8** **DOCUMENT TYPE: Book Chapter** **SOURCE: Scopus** **Li, X., Du, W., Xu, W., Ling, G., Zhang, P.** **Dissolving microneedles based on ZnO nanoparticles and an ionic liquid as synergistic antibacterial agents** **(2023) Journal of Materials Chemistry B, 11 (19), pp. 4354-4364. Cited 7 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159221953&doi=10.1039%2fd3tb00127j&partnerID=40&md5=d57ca85e4908884f3a32f437bf413423** **DOI: 10.1039/d3tb00127j** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Si, Y., Hu, Y., Zhang, F., Dong, H., She, Y.** **Biosynthesis of zinc oxide nanoparticles and its application to antibacterial [生物合成氧化锌纳米颗粒材料**	

	及其抗菌应用] (2023) Huagong Jinzhan/Chemical Industry and Engineering Progress, 42 (4), pp. 2013-2023. Cited 1 time. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159361348&doi=10.16085%2fj.issn.1000-6613.2022-1026&partnerID=40&md5=ce3aeccff52236ff3ae0cb8d00c12f88 DOI: 10.16085/j.issn.1000-6613.2022-1026 DOCUMENT TYPE: Article SOURCE: Scopus Motelica, L., Vasile, B.-S., Ficai, A., Surdu, A.-V., Ficai, D., Oprea, O.-C., Andronescu, E., Jinga, D.C., Holban, A.M. Influence of the Alcohols on the ZnO Synthesis and Its Properties: The Photocatalytic and Antimicrobial Activities (2022) Pharmaceutics, 14 (12), art. no. 2842, . Cited 41 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144837586&doi=10.3390%2fpharmaceutics14122842&partnerID=40&md5=a588f50de33ef12b5c8547d4167e9088 DOI: 10.3390/pharmaceutics14122842 DOCUMENT TYPE: Article SOURCE: Scopus Sindelo, A., Nene, L., Nyokong, T. Photodynamic antimicrobial chemotherapy with asymmetrical cationic or neutral metallophthalocyanines conjugated to amino-functionalized zinc oxide nanoparticles (spherical or pyramidal) against planktonic and biofilm microbial cultures (2022) Photodiagnosis and Photodynamic Therapy, 40, art. no. 103160, . Cited 3 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140321112&doi=10.1016%2fj.pdpdt.2022.103160&partnerID=40&md5=47fd5147a0816718e34bb71dda2faa60 DOI: 10.1016/j.pdpdt.2022.103160 DOCUMENT TYPE: Article SOURCE: Scopus Mercan, D.-A., Niculescu, A.-G., Grumezescu, A.M. Nanoparticles for Antimicrobial Agents Delivery—An Up-to-Date Review (2022) International Journal of Molecular Sciences, 23 (22), art. no. 13862, . Cited 13 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142858949&doi=10.3390%2fijms232213862&partnerID=40&md5=1d79de87ac6c5f4f7097b7a58f02b745 DOI: 10.3390/ijms232213862 DOCUMENT TYPE: Review SOURCE: Scopus Franco, D., Calabrese, G., Guglielmino, S.P.P., Conoci, S. Metal-Based Nanoparticles: Antibacterial Mechanisms and Biomedical Application (2022) Microorganisms, 10 (9), art. no. 1778, . Cited 80 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138709890&doi=10.3390%2fmicroorganisms10091778&partnerID=40&md5=5696061a3529387f591bc430cd771f01 DOI: 10.3390/microorganisms10091778 DOCUMENT TYPE: Review SOURCE: Scopus Bembenek, M., Popadyuk, O., Shihab, T., Ropyak, L., Uhryński, A., Vytvytskyi, V., Bulbuk, O. Optimization of Technological Parameters of the Process of Forming Therapeutic Biopolymer Nanofilled Films (2022) Nanomaterials, 12 (14), art. no. 2413, . Cited 7 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137333753&doi=10.3390%2fnano12142413&partnerID=40&md5=5e4a09e9a86e6e3391cff180e97f9bf7 DOI: 10.3390/nano12142413 DOCUMENT TYPE: Article	

	SOURCE: Scopus **Dzulkharnien, N.S.F., Rohani, R.** **A Review on Current Designation of Metallic Nanocomposite Hydrogel in Biomedical Applications** **(2022) Nanomaterials, 12 (10), art. no. 1629, . Cited 15 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129798235&doi=10.3390%2fnano12101629&partnerID=40&md5=7257a3fe5dded16d5fb38b8ab94be60b** **DOI: 10.3390/nano12101629** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Burdușel, A.-C., Gherasim, O., Andronescu, E., Grumezescu, A.M., Ficai, A.** **Inorganic Nanoparticles in Bone Healing Applications** **(2022) Pharmaceutics, 14 (4), art. no. 770, . Cited 26 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128391305&doi=10.3390%2fpharmaceutics14040770&partnerID=40&md5=e8b49b73e3fa7355911ad501c53b333e** **DOI: 10.3390/pharmaceutics14040770** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Kumar, S., Ye, F., Dobretsov, S., Dutta, J.** **Nanocoating Is a New Way for Biofouling Prevention** **(2021) Frontiers in Nanotechnology, 3, art. no. 771098, . Cited 13 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125150749&doi=10.3389%2ffnano.2021.771098&partnerID=40&md5=ab30d46ee27a857610d159b0355e5374** **DOI: 10.3389/fnano.2021.771098** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Socol, M., Preda, N., Socol, G.** **Organic thin films deposited by matrix-assisted pulsed laser evaporation (MAPLE) for photovoltaic cell applications: A review** **(2021) Coatings, 11 (11), art. no. 1368, . Cited 7 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119009049&doi=10.3390%2fcoatings11111368&partnerID=40&md5=defe305dfcee448851aa91eb7baff506** **DOI: 10.3390/coatings11111368** **DOCUMENT TYPE: Review** **SOURCE: Scopus**	
3	**Anti-Cancer Nanopowders and MAPLE-Fabricated Thin Films Based on SPIONs Surface Modified with Paclitaxel Loaded beta-Cyclodextrin, Puiu, RA; Balaure, PC*; Constantinescu, E; Grumezescu, AM; Andronescu, E; Oprea, OC; Vasile, BS; Grumezescu, V; Negut, I; Nica, IC; Stan, MS., Pharmaceutics, 2021, 13(9), Article Number: 1356, DOI: 10.3390/pharmaceutics13091356, WOS:000701408500001, Q1**	19
	Scopus EXPORT DATE:21 Apr 2024 Pant, A., Singh, G., Barnwal, R.P., Sharma, T., Singh, B. QbD-driven development and characterization of superparamagnetic iron oxide nanoparticles (SPIONS) of a bone-targeting peptide for early detection of osteoporosis (2024) International Journal of Pharmaceutics, 654, art. no. 123936, . https://www.scopus.com/inward/record.uri?eid=2-s2.0-85187139719&doi=10.1016%2fj.ijpharm.2024.123936&partnerID=40&md5=9c0627448f6dbb5a1d41106e747c04d1 DOI: 10.1016/j.ijpharm.2024.123936 DOCUMENT TYPE: Article SOURCE: Scopus	

Ramezanpour, A., Ansari, L., Rahimkhoei, V., Sharifi, S., Bigham, A., Lighvan, Z.M., Rezaie, J., Szafert, S., Mahdavinia, G.R., Akbari, A., Jabbari, E.
Recent advances in carbohydrate-based paclitaxel delivery systems
(2024) Polymer Bulletin, 81 (2), pp. 1043-1069. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151471111&doi=10.1007%2fs00289-023-04759-9&partnerID=40&md5=e8addd008e956a2596c6b038e0c393dd

DOI: 10.1007/s00289-023-04759-9
DOCUMENT TYPE: Review
SOURCE: Scopus

Marabada, D., Li, J., Wei, S., Huang, Q., Wang, Z.
Cyclodextrin based nanoparticles for smart drug delivery in colorectal cancer
(2023) Chemical Biology and Drug Design, 102 (6), pp. 1618-1631. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170696973&doi=10.1111%2fcbdd.14344&partnerID=40&md5=7d9217375f714b2981a959ef0a5b928b

DOI: 10.1111/cbdd.14344
DOCUMENT TYPE: Review
SOURCE: Scopus

Lu, Q.
Bioresponsive and multifunctional cyclodextrin-based non-viral nanocomplexes in cancer therapy: Building foundations for gene and drug delivery, immunotherapy and bioimaging
(2023) Environmental Research, 234, art. no. 116507, . Cited 4 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164327164&doi=10.1016%2fj.envres.2023.116507&partnerID=40&md5=f31bee39169589e5068af2c1d3ce3d48

DOI: 10.1016/j.envres.2023.116507
DOCUMENT TYPE: Review
SOURCE: Scopus

Chircov, C., Bîrcă, A.C., Dănciulescu, L.A., Neacșu, I.A., Oprea, O.-C., Truşcă, R.-D., Andronescu, E.
Usnic Acid-Loaded Magnetite Nanoparticles—A Comparative Study between Synthesis Methods
(2023) Molecules, 28 (13), art. no. 5198, . Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164846487&doi=10.3390%2fmolecules28135198&partnerID=40&md5=2d88cd5b14ed0009772dcbdacfb5d328

DOI: 10.3390/molecules28135198
DOCUMENT TYPE: Article
SOURCE: Scopus

Mamun, A., Sabantina, L.
Electrospun Magnetic Nanofiber Mats for Magnetic Hyperthermia in Cancer Treatment Applications—Technology, Mechanism, and Materials
(2023) Polymers, 15 (8), art. no. 1902, . Cited 6 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154066233&doi=10.3390%2fpolym15081902&partnerID=40&md5=6f74541a10cc5a3cbc857ab0a5d9e172

DOI: 10.3390/polym15081902
DOCUMENT TYPE: Review
SOURCE: Scopus

Ji, F., Ji, A., Zhang, J., Bo, L., Jiao, Q., Qi, N., Zhang, D., Du, M.
Preparation and biodistribution study of 131I-BEV-PTX-SPIONs [131I 标记贝伐单抗偶联载紫杉醇超顺磁性氧化铁纳米粒的制作及生物分布实验]
(2023) He Jishu/Nuclear Techniques, 46 (3), art. no. 030301, .
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161450890&doi=10.11889%2fj.0253-3219.2023.hjs.46.030301&partnerID=40&md5=b5b8d73b9a573b9451a2564b5e23d1e5

DOI: 10.11889/j.0253-3219.2023.hjs.46.030301
DOCUMENT TYPE: Article
SOURCE: Scopus

Spoială, A., Ilie, C.-I., Motelica, L., Ficai, D., Semenescu, A., Oprea, O.-C., Ficai, A.
Smart Magnetic Drug Delivery Systems for the Treatment of Cancer
(2023) Nanomaterials, 13 (5), art. no. 876, . Cited 14 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149678346&doi=10.3390%2fnano13050876&partnerID=40&md5=298154fdeba69ebfdf115de74214687f

DOI: 10.3390/nano13050876
DOCUMENT TYPE: Review
SOURCE: Scopus

Bousbaa, H.
Novel Anticancer Strategies II
(2023) Pharmaceutics, 15 (2), art. no. 605, .
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149106629&doi=10.3390%2fpharmaceutics15020605&partnerID=40&md5=f2ac86582fba2a13bd878cb8e27e9ee1

DOI: 10.3390/pharmaceutics15020605
DOCUMENT TYPE: Editorial
SOURCE: Scopus

Florea, D.A., Grumezescu, V., Bîrcă, A.C., Vasile, B.Ú., Mușat, M., Chircov, C., Stan, M.S., Grumezescu, A.M., Andronescu, E., Chifiriuc, M.C.
Design, Characterization, and Antibacterial Performance of MAPLE-Deposited Coatings of Magnesium Phosphate-Containing Silver Nanoparticles in Biocompatible Concentrations
(2022) International Journal of Molecular Sciences, 23 (14), art. no. 7910, . Cited 8 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135122758&doi=10.3390%2fijms23147910&partnerID=40&md5=7ad985058f96164a83235ecc008d33df

DOI: 10.3390/ijms23147910
DOCUMENT TYPE: Article
SOURCE: Scopus

Damanskienė, E., Balnytė, I., Valančiūtė, A., Alonso, M.M., Stakišaitis, D.
Different Effects of Valproic Acid on SLC12A2, SLC12A5 and SLC5A8 Gene Expression in Pediatric Glioblastoma Cells as an Approach to Personalised Therapy
(2022) Biomedicines, 10 (5), art. no. 968, . Cited 3 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129573161&doi=10.3390%2fbiomedicines10050968&partnerID=40&md5=71270680e67e53866e87028e9d6b9eb0

DOI: 10.3390/biomedicines10050968
DOCUMENT TYPE: Article
SOURCE: Scopus

Patel, R., Lacerda, Q., Oeffinger, B.E., Eisenbrey, J.R., Rochani, A.K., Kaushal, G., Wessner, C.E., Wheatley, M.A.
Development of a Dual Drug-Loaded, Surfactant-Stabilized Contrast Agent Containing Oxygen
(2022) Polymers, 14 (8), art. no. 1568, . Cited 3 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129027292&doi=10.3390%2fpolym14081568&partnerID=40&md5=6cb95a8d70372c2509eab5fe809e5ea4

DOI: 10.3390/polym14081568
DOCUMENT TYPE: Article
SOURCE: Scopus

Burdușel, A.-C., Gherasim, O., Andronescu, E., Grumezescu, A.M., Ficai, A.
Inorganic Nanoparticles in Bone Healing Applications
(2022) Pharmaceutics, 14 (4), art. no. 770, . Cited 26 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128391305&doi=10.3390%2fpharmaceutics14040770&partnerID=40&md5=e8b49b73e3fa7355911ad501c53b333e

DOI: 10.3390/pharmaceutics14040770

DOCUMENT TYPE: Review
SOURCE: Scopus

Pucci, C., Degl'Innocenti, A., Belenli Gümüş, M., Ciofani, G.
Superparamagnetic iron oxide nanoparticles for magnetic hyperthermia: recent advancements, molecular effects, and future directions in the omics era
(2022) Biomaterials Science, 10 (9), pp. 2103-2121. Cited 54 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127908570&doi=10.1039%2fd1bm01963e&partnerID=40&md5=43973e4ed0ba8d8fde064903bc8a1599

DOI: 10.1039/d1bm01963e
DOCUMENT TYPE: Review
SOURCE: Scopus

Wu, K., Yu, B., Li, D., Tian, Y., Liu, Y., Jiang, J.
Recent Advances in Nanoplatforms for the Treatment of Osteosarcoma
(2022) Frontiers in Oncology, 12, art. no. 805978, . Cited 22 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125869886&doi=10.3389%2ffonc.2022.805978&partnerID=40&md5=6f45a2b285e5f79230f9503a6ac315e0

DOI: 10.3389/fonc.2022.805978
DOCUMENT TYPE: Review
SOURCE: Scopus

Ilie, C.-I., Spoială, A., Ficai, D., Nicoară, A.-I., Oprea, O.-C., Surdu, V.-A., Trușcă, R.D., Andronescu, E., Dițu, L.-M., Ficai, A.
MAGNETIC PLATFORMS BASED ON MAGNETITE AND POLYPHENOLS WITH ANTIMICROBIAL ACTIVITY
(2022) UPB Scientific Bulletin, Series B: Chemistry and Materials Science, 84 (4), pp. 45-58.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144193926&partnerID=40&md5=2615a896d527401dc673586fdd567a9f

DOCUMENT TYPE: Article
SOURCE: Scopus

Nechifor, G., Păncescu, F.M., Albu, P.C., Grosu, A.R., Oprea, O., Tanczos, S.-K., Bungău, C., Grosu, V.-A., Ioan, M.-R., Nechifor, A.C.
Transport and separation of the silver ion with n–decanol liquid membranes based on 10–undecylenic acid, 10–undecen–1–ol and magnetic nanoparticles
(2021) Membranes, 11 (12), art. no. 936, . Cited 8 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120699268&doi=10.3390%2fmembranes11120936&partnerID=40&md5=2a57bf7cfa6988da2ec79b06229f388f

DOI: 10.3390/membranes11120936
DOCUMENT TYPE: Article
SOURCE: Scopus

Balderrama-González, A.-S., Piñón-Castillo, H.-A., Ramírez-Valdespino, C.-A., Landeros-Martínez, L.-L., Orrantia-Borunda, E., Esparza-Ponce, H.-E.
Antimicrobial resistance and inorganic nanoparticles
(2021) International Journal of Molecular Sciences, 22 (23), art. no. 12890, . Cited 32 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120056909&doi=10.3390%2fijms222312890&partnerID=40&md5=8fd4a0377483f39bdefd72308ba0cefb

DOI: 10.3390/ijms222312890
DOCUMENT TYPE: Review
SOURCE: Scopus

Socol, M., Preda, N., Socol, G.
Organic thin films deposited by matrix-assisted pulsed laser evaporation (MAPLE) for photovoltaic cell applications: A review
(2021) Coatings, 11 (11), art. no. 1368, . Cited 7 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119009049&doi=10.3390%2fcoatings11111368&partnerID=40&md5=defe305dfcee448851aa91eb7baff506

	DOI: 10.3390/coatings11111368 DOCUMENT TYPE: Review SOURCE: Scopus	
4	**Recent Advances in Surface Nanoengineering for Biofilm Prevention and Control. Part II: Active, Combined Active and Passive, and Smart Bacteria-Responsive Antibiofilm Nanocoatings, Balaure, PC; Grumezescu, AM., Nanomaterials, 2020, 10(8), Article Number: 1527, DOI:10.3390/nano10081527, WOS:000564757600001**	34
	Scopus **EXPORT DATE:21 Apr 2024** **Yao, S., Yan, H., Tian, S., Luo, R., Zhao, Y., Wang, J.** **Anti-fouling coatings for blood-contacting devices** **(2024) Smart Materials in Medicine, 5 (1), pp. 166-180.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179995420&doi=10.1016%2fj.smaim.2023.10.001&partnerID=40&md5=6c6760d97fd0601f6b2e5ca9339294eb** **DOI: 10.1016/j.smaim.2023.10.001** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Nguyen, Q.M., Hutchison, P., Palombo, E., Yu, A., Kingshott, P.** **Antibiofilm Activity of Eugenol-Loaded Chitosan Coatings against Common Medical-Device-Contaminating Bacteria** **(2024) ACS Applied Bio Materials, 7 (2), pp. 918-935.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85184900762&doi=10.1021%2facsabm.3c00949&partnerID=40&md5=ce3c84c52bec5bef983316918e8d959b** **DOI: 10.1021/acsabm.3c00949** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Constantinescu, S., Niculescu, A.-G., Hudiță, A., Grumezescu, V., Rădulescu, D., Bîrcă, A.C., Dorcioman, G., Gherasim, O., Holban, A.M., Gălățeanu, B., Vasile, B.Ú., Grumezescu, A.M., Bolocan, A., Rădulescu, R.** **Nanostructured Coatings Based on Graphene Oxide for the Management of Periprosthetic Infections** **(2024) International Journal of Molecular Sciences, 25 (4), art. no. 2389, .** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85185900590&doi=10.3390%2fijms25042389&partnerID=40&md5=5ea5b9eb49c0bf42a25e81def0e7ecc8** **DOI: 10.3390/ijms25042389** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Faiq, N.H., Ahmed, M.E.** **Effect of Biosynthesized Zinc oxide Nanoparticles on Phenotypic and Genotypic Biofilm Formation of Proteus mirabilis** **(2024) Baghdad Science Journal, 21 (3), pp. 894-908. Cited 1 time.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85187937252&doi=10.21123%2fbsj.2023.8067&partnerID=40&md5=89203da6b1b1cde32c10a6b1e7382814** **DOI: 10.21123/bsj.2023.8067** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Faiq, N.H., Ahmed, M.E.** **Inhibitory Effects of Biosynthesized Copper Nanoparticles on Biofilm Formation of Proteus mirabilis** **(2024) Iraqi Journal of Science, 65 (1), pp. 65-78.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85185602707&doi=10.24996%2fijs.2024.64.1.7&partnerID=40&md5=7612a7204d787b502ba2c3dbc52a9e82** **DOI: 10.24996/ijs.2024.64.1.7** **DOCUMENT TYPE: Article** **SOURCE: Scopus**	

Kim, J., Baek, K.J., Yu, S., Yang, H.S., Khaliq, N.U., Choi, W.I., Kim, H., Sung, D.
Ferrocene-based acrylate copolymer multilayers with efficient antifouling and electrochemical redox properties
(2023) Electrochimica Acta, 463, art. no. 142824, . Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164220125&doi=10.1016%2fj.electacta.2023.142824&partnerID=40&md5=e3c40c97f81d866133735769dc463bdb

DOI: 10.1016/j.electacta.2023.142824
DOCUMENT TYPE: Article
SOURCE: Scopus

Zaia, R., Quinto, G.M., Camargo, L.C.S., Ribeiro, R.T., Carmona-Ribeiro, A.M.
Transient Coatings from Nanoparticles Achieving Broad-Spectrum and High Antimicrobial Performance
(2023) Pharmaceuticals, 16 (6), art. no. 816, .
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163801700&doi=10.3390%2fph16060816&partnerID=40&md5=2396ba3a4c15990f44042b3c1f20d4fd

DOI: 10.3390/ph16060816
DOCUMENT TYPE: Article
SOURCE: Scopus

Xu, Y., You, Y., Yi, L., Wu, X., Zhao, Y., Yu, J., Liu, H., Shen, Y., Guo, J., Huang, C.
Dental plaque-inspired versatile nanosystem for caries prevention and tooth restoration
(2023) Bioactive Materials, 20, pp. 418-433. Cited 28 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132507767&doi=10.1016%2fj.bioactmat.2022.06.010&partnerID=40&md5=c320cb67d635f0b68a93ff20365811ff

DOI: 10.1016/j.bioactmat.2022.06.010
DOCUMENT TYPE: Article
SOURCE: Scopus

Turner, R.J.
The good, the bad, and the ugly of metals as antimicrobials
(2023) BioMetals, .
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180176303&doi=10.1007%2fs10534-023-00565-y&partnerID=40&md5=0a2ed539ab145513594247a0bf241b9a

DOI: 10.1007/s10534-023-00565-y
DOCUMENT TYPE: Review
SOURCE: Scopus

Panneerselvam, P., Chauhan, N.P.S., Simorgh, S.
Silicon-based polymers for biomedical application
(2023) Handbook of Polymers in Medicine, pp. 445-461.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176833743&doi=10.1016%2fB978-0-12-823797-7.00016-2&partnerID=40&md5=946237707e42b177e3047e59463669a8

DOI: 10.1016/B978-0-12-823797-7.00016-2
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Felix, L., Whitely, C., Tharmalingam, N., Mishra, B., Vera-Gonzalez, N., Mylonakis, E., Shukla, A., Fuchs, B.B.
Auranofin coated catheters inhibit bacterial and fungal biofilms in a murine subcutaneous model
(2023) Frontiers in Cellular and Infection Microbiology, 13, art. no. 1135942, . Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161908692&doi=10.3389%2ffcimb.2023.1135942&partnerID=40&md5=9fa2fb4e50fd3e332c6753d993d6a151

DOI: 10.3389/fcimb.2023.1135942
DOCUMENT TYPE: Article
SOURCE: Scopus

Varma, A., Warghane, A., Dhiman, N.K., Paserkar, N., Upadhye, V., Modi, A., Saini, R.
The role of nanocomposites against biofilm infections in humans
(2023) Frontiers in Cellular and Infection Microbiology, 13, art. no. 1104615, . Cited 7 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150212970&doi=10.3389%2ffcimb.2023.1104615&partnerID=40&md5=2e316d6605721e7af13397a8c794c65d

DOI: 10.3389/fcimb.2023.1104615
DOCUMENT TYPE: Review
SOURCE: Scopus

Zayed, M., El-Garawani, I.M., El-Sabbagh, S.M., Amr, B., Alsharif, S.M., Tayel, A.A., AlAjmi, M.F., Ibrahim, H.M.S., Shou, Q., Khalifa, S.A.M., El-Seedi, H.R., Elfeky, N.
Structural Diversity, LC-MS-MS Analysis and Potential Biological Activities of Brevibacillus laterosporus Extract
(2022) Metabolites, 12 (11), art. no. 1102, . Cited 4 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144724574&doi=10.3390%2fmetabo12111102&partnerID=40&md5=d8f9f730e10f6435abcb00086145cec3

DOI: 10.3390/metabo12111102
DOCUMENT TYPE: Article
SOURCE: Scopus

Filice, S., Sciuto, E.L., Scalese, S., Faro, G., Libertino, S., Corso, D., Timpanaro, R.M., Laganà, P., Coniglio, M.A.
Innovative Antibiofilm Smart Surface against Legionella for Water Systems
(2022) Microorganisms, 10 (5), art. no. 870, . Cited 10 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128521916&doi=10.3390%2fmicroorganisms10050870&partnerID=40&md5=118a9eb4a2b4d49d5cd5c7ccf59b53e8

DOI: 10.3390/microorganisms10050870
DOCUMENT TYPE: Article
SOURCE: Scopus

Maryami, F., Olad, A., Nofouzi, K.
Fabrication of slippery lubricant-infused porous surface for inhibition of microorganism adhesion on the porcelain surface
(2022) Journal of Industrial and Engineering Chemistry, 108, pp. 308-320. Cited 5 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123884608&doi=10.1016%2fj.jiec.2022.01.008&partnerID=40&md5=6a8ae5688cdc62fcf3aafa4500352e47

DOI: 10.1016/j.jiec.2022.01.008
DOCUMENT TYPE: Article
SOURCE: Scopus

Duan, S., Wu, R., Xiong, Y.-H., Ren, H.-M., Lei, C., Zhao, Y.-Q., Zhang, X.-Y., Xu, F.-J.
Multifunctional antimicrobial materials: From rational design to biomedical applications
(2022) Progress in Materials Science, 125, art. no. 100887, . Cited 117 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119400848&doi=10.1016%2fj.pmatsci.2021.100887&partnerID=40&md5=7a3c1d53e583cb8db2bd827bc5fa9a2b

DOI: 10.1016/j.pmatsci.2021.100887
DOCUMENT TYPE: Review
SOURCE: Scopus

An, X., Cheng, R., Liu, P., Reinhard, B.M.
Plasmonic photoreactors-coated plastic tubing as combined-active-and-passive antimicrobial flow sterilizer
(2022) Journal of Materials Chemistry B, 10 (12), pp. 2001-2010.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127895617&doi=10.1039%2fd1tb02250d&partnerID=40&md5=1e8b287b0590e8d037deafd84196dbf2

DOI: 10.1039/d1tb02250d
DOCUMENT TYPE: Article

SOURCE: Scopus

Funari, R., Shen, A.Q.
Detection and Characterization of Bacterial Biofilms and Biofilm-Based Sensors
(2022) ACS Sensors, 7 (2), pp. 347-357. Cited 69 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125289536&doi=10.1021%2facssensors.1c02722&partnerID=40&md5=b4f5255a2dd04131cc412744848060a5

DOI: 10.1021/acssensors.1c02722
DOCUMENT TYPE: Review
SOURCE: Scopus

Huang, H., Wei, X., Yang, J., Huang, Y., Wang, L., Yang, X., Li, J., Sun, T.
Antibiofilm Mechanism of ZnO-PDMS Superamphiphobic Films Against Shewanella putrefaciens [ZnO-PDMS 超双疏薄膜对腐败希瓦氏菌生物被膜的抑制机制]
(2022) Journal of Food Science and Technology (China), 40 (6), pp. 81-92. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147517988&doi=10.12301%2fspxb202200419&partnerID=40&md5=8f9040b5edfb3da826244f2c4a850d60

DOI: 10.12301/spxb202200419
DOCUMENT TYPE: Article
SOURCE: Scopus

Ghosh, S., Kikani, B.A., Turner, R.J.
Pseudomonas putida biofilm: development and dynamics
(2022) Application of Biofilms in Applied Microbiology, pp. 25-49.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143097671&doi=10.1016%2fB978-0-323-90513-8.00006-6&partnerID=40&md5=1670129f70f9584a19b150044d560e9b

DOI: 10.1016/B978-0-323-90513-8.00006-6
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Durand, H., Whiteley, A., Mailley, P., Nonglaton, G.
Combining Topography and Chemistry to Produce Antibiofouling Surfaces: A Review
(2022) ACS Applied Bio Materials, . Cited 5 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139461095&doi=10.1021%2facsabm.2c00586&partnerID=40&md5=6b06b88b883d921163464c99278e98bf

DOI: 10.1021/acsabm.2c00586
DOCUMENT TYPE: Review
SOURCE: Scopus

Caciandone, M., Niculescu, A.-G., Roșu, A.R., Grumezescu, V., Negut, I., Holban, A.M., Oprea, O., Vasile, B.Ș., Bîrcă, A.C., Grumezescu, A.M., Stan, M.S., Anghel, A.G., Anghel, I.
PEG-Functionalized Magnetite Nanoparticles for Modulation of Microbial Biofilms on Voice Prosthesis
(2022) Antibiotics, 11 (1), art. no. 39, . Cited 20 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122218461&doi=10.3390%2fantibiotics11010039&partnerID=40&md5=0e8e62c37951e8afdb269fb3eed08cb5

DOI: 10.3390/antibiotics11010039
DOCUMENT TYPE: Article
SOURCE: Scopus

Lee, H., Kim, S., Kim, W., Kang, S.-M., Kim, Y.H., Jang, J., Han, S.M., Bae, B.-S.
Highly transparent and resilient urethane-methacrylate siloxane composite for hard, yet stretchable protective coating
(2022) Progress in Organic Coatings, 162, art. no. 106567, . Cited 5 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118506105&doi=10.1016%2fj.porgcoat.2021.106567&partnerID=40&md5=66ec85eac1de0dc3bdcc09bf992e0394

DOI: 10.1016/j.porgcoat.2021.106567
DOCUMENT TYPE: Article
SOURCE: Scopus

Lin, E.M.J., Lay, C.L., Subramanian, G.S., Tan, W.S., Leong, S.S.J., Moh, L.C.H., Lim, K.
Control Release Coating for Urinary Catheters with Enhanced Released Profile for Sustained Antimicrobial Protection
(2021) ACS Applied Materials and Interfaces, 13 (49), pp. 59263-59274. Cited 10 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120864648&doi=10.1021%2facsami.1c17697&partnerID=40&md5=009b5ad5029c38539d67610162f21f49

DOI: 10.1021/acsami.1c17697
DOCUMENT TYPE: Article
SOURCE: Scopus

Rezaei, Z., Khanzadi, S., Salari, A.
Biofilm formation and antagonistic activity of Lacticaseibacillus rhamnosus (PTCC1712) and Lactiplantibacillus plantarum (PTCC1745)
(2021) AMB Express, 11 (1), art. no. 156, . Cited 17 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119996658&doi=10.1186%2fs13568-021-01320-7&partnerID=40&md5=832014a60bfe2d0add14ffd3fbdedf5f

DOI: 10.1186/s13568-021-01320-7
DOCUMENT TYPE: Article
SOURCE: Scopus

Shepherd, J.
Best served small: Nano battles in the war against wound biofilm infections
(2021) Emerging Topics in Life Sciences, 4 (6), pp. 567-580. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098729888&doi=10.1042%2fETLS20200155&partnerID=40&md5=15342c4edbcebe208f9d012064a8b75b

DOI: 10.1042/ETLS20200155
DOCUMENT TYPE: Review
SOURCE: Scopus

Yuan, M., Sun, T., Wu, J., Fei, Y., Yang, Y., Ling, Y., Zhang, Y., Huang, Z.
The Insights and Perspectives of Nitric Oxide-mediated Biofilm Eradication
(2021) Current Topics in Medicinal Chemistry, 21 (24), pp. 2213-2229. Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121148263&doi=10.2174%2f1568026621666210701113043&partnerID=40&md5=4530725267a7c4d3fea9c8ff80072b49

DOI: 10.2174/1568026621666210701113043
DOCUMENT TYPE: Review
SOURCE: Scopus

Gavara, R., de Llanos, R., Pérez-Laguna, V., Arnau del Valle, C., Miravet, J.F., Rezusta, A., Galindo, F.
Broad-Spectrum Photo-Antimicrobial Polymers Based on Cationic Polystyrene and Rose Bengal
(2021) Frontiers in Medicine, 8, art. no. 641646, . Cited 13 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107444707&doi=10.3389%2ffmed.2021.641646&partnerID=40&md5=48ea24ecd6263848d1cc4d2dadd8cff9

DOI: 10.3389/fmed.2021.641646
DOCUMENT TYPE: Article
SOURCE: Scopus

Mitra, D., Kang, E.-T., Neoh, K.G.
Polymer-Based Coatings with Integrated Antifouling and Bactericidal Properties for Targeted Biomedical Applications
(2021) ACS Applied Polymer Materials, 3 (5), pp. 2233-2263. Cited 73 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106603933&doi=10.1021%2facsapm.1c00125&partnerID=40&md5=4904628ea48d7eac400421ee46e72140

	DOI: 10.1021/acsapm.1c00125 **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Pormohammad, A., Monych, N.K., Ghosh, S., Turner, D.L., Turner, R.J.** **Nanomaterials in wound healing and infection control** **(2021) Antibiotics, 10 (5), art. no. 473, . Cited 66 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105303213&doi=10.3390%2fantibiotics10050473&partnerID=40&md5=bd452a4cc2cbc4dcc72da517533dfa73** **DOI: 10.3390/antibiotics10050473** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Kranjec, C., Angeles, D.M., Mårli, M.T., Fernández, L., García, P., Kjos, M., Diep, D.B.** **Staphylococcal biofilms: Challenges and novel therapeutic perspectives** **(2021) Antibiotics, 10 (2), art. no. 131, pp. 1-30. Cited 67 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100572960&doi=10.3390%2fantibiotics10020131&partnerID=40&md5=3f90625f5d6fb631482a29f6f05ec657** **DOI: 10.3390/antibiotics10020131** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Tarabal, V.S., Silva, F.G., Sinisterra, R.D., Gonçalves, D., Silva, J., Granjeiro, J.M., Speziali, M., Granjeiro, P.A.** **Impact of DMPEI on biofilm adhesion on latex urinary catheter** **(2021) Recent Patents on Biotechnology, 15 (1), pp. 51-66. Cited 2 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107113708&doi=10.2174%2f1872208315666210215084127&partnerID=40&md5=d5cdda62d1781d0bb6982241467b7b95** **DOI: 10.2174/1872208315666210215084127** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Gomes, I.B., Simões, M., Simões, L.C.** **Copper surfaces in biofilm control** **(2020) Nanomaterials, 10 (12), art. no. 2491, pp. 1-21. Cited 27 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097672317&doi=10.3390%2fnano10122491&partnerID=40&md5=09973331d100c4eb878c10202b64d455** **DOI: 10.3390/nano10122491** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Bai, R., Peng, L., Sun, Q., Zhang, Y., Zhang, L., Wei, Y., Han, B.** **Metallic antibacterial surface treatments of dental and orthopedic materials** **(2020) Materials, 13 (20), art. no. 4594, pp. 1-21. Cited 13 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093962518&doi=10.3390%2fma13204594&partnerID=40&md5=8cf02d76e5719dc17f053a04fc5290b0** **DOI: 10.3390/ma13204594** **DOCUMENT TYPE: Review** **SOURCE: Scopus**	
5	**Recent Advances in Surface Nanoengineering for Biofilm Prevention and Control. Part I: Molecular Basis of Biofilm Recalcitrance. Passive Anti-Biofouling Nanocoatings, Balaure, PC; Grumezescu, AM., Nanomaterials, 2020, 10(6), Article Number: 1230, DOI: 10.3390/nano10061230, WOS:000552438700001**	36
	Sangnim, T., Puri, V., Dheer, D., Venkatesh, D.N., Huanbutta, K., Sharma, A. **Nanomaterials in the Wound Healing Process: New Insights and Advancements** **(2024) Pharmaceutics, 16 (3), art. no. 300, . Cited 1 time.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85188996556&doi=10.3390%2fpharmaceutics16030300&partnerID=40&md5=9fc2b4d312d7a44310fcd2140**	

f595cd8

DOI: 10.3390/pharmaceutics16030300
DOCUMENT TYPE: Review
SOURCE: Scopus

Nguyen, Q.M., Hutchison, P., Palombo, E., Yu, A., Kingshott, P.
Antibiofilm Activity of Eugenol-Loaded Chitosan Coatings against Common Medical-Device-Contaminating Bacteria
(2024) ACS Applied Bio Materials, 7 (2), pp. 918-935.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85184900762&doi=10.1021%2facsabm.3c00949&partnerID=40&md5=ce3c84c52bec5bef983316918e8d959b

DOI: 10.1021/acsabm.3c00949
DOCUMENT TYPE: Article
SOURCE: Scopus

Zhu, M., Ma, L.
A review of recent advances in the effects of surface and interface properties on marine propellers
(2024) Friction, 12 (2), pp. 185-214. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158072330&doi=10.1007%2fs40544-022-0716-4&partnerID=40&md5=bfeaca8d3edae86ae2ab75a02c46e1fa

DOI: 10.1007/s40544-022-0716-4
DOCUMENT TYPE: Review
SOURCE: Scopus

Sadeghzadeh, R., Esfandiari, Z., Khaneghah, A.M., Rostami, M.
A Review of Challenges and Solutions of Biofilm Formation of Escherichia coli: Conventional and Novel Methods of Prevention and Control
(2024) Food and Bioprocess Technology, .
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183447909&doi=10.1007%2fs11947-023-03288-7&partnerID=40&md5=6f7eaa45cf89d11f9e9751927cf9e0c2

DOI: 10.1007/s11947-023-03288-7
DOCUMENT TYPE: Review
SOURCE: Scopus

Salvadores Fernandez, C., Jaufuraully, S., Bagchi, B., Chen, W., Datta, P., Gupta, P., David, A.L., Siassakos, D., Desjardins, A., Tiwari, M.K.
A Triboelectric Nanocomposite for Sterile Sensing, Energy Harvesting, and Haptic Diagnostics in Interventional Procedures from Surgical Gloves
(2023) Advanced Healthcare Materials, 12 (17), art. no. 2202673, . Cited 3 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150602258&doi=10.1002%2fadhm.202202673&partnerID=40&md5=34e87cc9b67a39b79035ec25706c38a9

DOI: 10.1002/adhm.202202673
DOCUMENT TYPE: Article
SOURCE: Scopus

Mejía-Manzano, L.A., Vázquez-Villegas, P., Prado-Cervantes, L.V., Franco-Gómez, K.X., Carbajal-Ocaña, S., Sotelo-Cortés, D.L., Atehortúa-Benítez, V., Delgado-Rodríguez, M., Membrillo-Hernández, J.
Advances in Material Modification with Smart Functional Polymers for Combating Biofilms in Biomedical Applications
(2023) Polymers, 15 (14), art. no. 3021, . Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166287210&doi=10.3390%2fpolym15143021&partnerID=40&md5=2328024c06d94abd76c8ea01a4dbcc64

DOI: 10.3390/polym15143021
DOCUMENT TYPE: Review
SOURCE: Scopus

Lüdecke, N., Bekir, M., Eickelmann, S., Hartlieb, M., Schlaad, H.
Toward Protein-Repellent Surface Coatings from Catechol-Containing Cationic Poly(2-ethyl-2-oxazoline)

(2023) ACS Applied Materials and Interfaces, 15 (15), pp. 19582-19592. Cited 5 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152206207&doi=10.1021%2facsami.2c22518&partnerID=40&md5=5273d3328da22412454a366c4c8db8ee

DOI: 10.1021/acsami.2c22518
DOCUMENT TYPE: Article
SOURCE: Scopus

Abu Jarad, N., Rachwalski, K., Bayat, F., Khan, S., Shakeri, A., MacLachlan, R., Villegas, M., Brown, E.D., Hosseinidoust, Z., Didar, T.F., Soleymani, L.
A Bifunctional Spray Coating Reduces Contamination on Surfaces by Repelling and Killing Pathogens
(2023) ACS Applied Materials and Interfaces, 15 (12), pp. 16253-16265. Cited 3 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150422630&doi=10.1021%2facsami.2c23119&partnerID=40&md5=58a9a202c27690d1a5d70400685b8762

DOI: 10.1021/acsami.2c23119
DOCUMENT TYPE: Article
SOURCE: Scopus

Yang, K., Dong, P., Liu, Y., Zhang, Y., Mao, Y., Liang, R., Luo, X., Zhu, L.
The Effect of pmrA on Biofilm Formation Ability of Acid Stressed Salmonella typhimurium [pmrA影响酸胁迫鼠伤寒沙门氏菌生物膜的形成能力]
(2023) Journal of Chinese Institute of Food Science and Technology, 23 (3), pp. 147-156.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160555620&doi=10.16429%2fj.1009-7848.2023.03.016&partnerID=40&md5=f987065f09b8f34eef471bb6102a3f20

DOI: 10.16429/j.1009-7848.2023.03.016
DOCUMENT TYPE: Article
SOURCE: Scopus

Dhar, J., Das, A., Biswas, S., Nishat Ahmed, T., Ghosh, S., Mitra, A.K.
Strategies to reduce microbial biofilm in medical prosthesis and other devices
(2023) Microbial Biofilms: Challenges and Advances in Metabolomic Study, pp. 289-314.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166083617&doi=10.1016%2fB978-0-323-95715-1.00006-6&partnerID=40&md5=372ebc1bcd91342f693314fc1fefcee8

DOI: 10.1016/B978-0-323-95715-1.00006-6
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Goswami, A., Pillai, S.C., McGranaghan, G.
Nanoscale polymer-based coatings for applications in marine antifouling
(2023) Polymer-Based Nanoscale Materials for Surface Coatings, pp. 501-546. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162086283&doi=10.1016%2fB978-0-32-390778-1.00030-X&partnerID=40&md5=292373d1233e396c8bf7a8a33a72bbce

DOI: 10.1016/B978-0-32-390778-1.00030-X
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Sanjeeva, S.G., Bajire, S.K., Shastry, R.P., Johnson, R.P.
Antimicrobial coatings based on polymeric materials
(2023) Antiviral and Antimicrobial Smart Coatings: Fundamentals and Applications, pp. 309-355.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150547670&doi=10.1016%2fB978-0-323-99291-6.00015-3&partnerID=40&md5=ab56bb75a1ba5ae310554cdd32f81ff5

DOI: 10.1016/B978-0-323-99291-6.00015-3
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Bessa, L.J., Botelho, J., Machado, V., Alves, R., Mendes, J.J.
Managing Oral Health in the Context of Antimicrobial Resistance
(2022) International Journal of Environmental Research and Public Health, 19 (24), art. no. 16448, . Cited

11 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144569497&doi=10.3390%2fijerph192416448&partnerID=40&md5=0eee71f9883753b5f5a7cb6c68fceaaa

DOI: 10.3390/ijerph192416448
DOCUMENT TYPE: Review
SOURCE: Scopus

Zarei, M., Rahimi, S., Saris, P.E.J., Yousefvand, A.
Pseudomonas fluorescens group bacterial strains interact differently with pathogens during dual-species biofilm formation on stainless steel surfaces in milk
(2022) Frontiers in Microbiology, 13, art. no. 1053239, . Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141552553&doi=10.3389%2ffmicb.2022.1053239&partnerID=40&md5=a4de06714192a89c4ac84b45e52e3f2a

DOI: 10.3389/fmicb.2022.1053239
DOCUMENT TYPE: Article
SOURCE: Scopus

Ciolacu, L., Zand, E., Negrau, C., Jaeger, H.
Bacterial Attachment and Biofilm Formation on Antimicrobial Sealants and Stainless Steel Surfaces
(2022) Foods, 11 (19), art. no. 3096, . Cited 5 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139824990&doi=10.3390%2ffoods11193096&partnerID=40&md5=b14f4f6c9691cee9de881b19e19556c0

DOI: 10.3390/foods11193096
DOCUMENT TYPE: Article
SOURCE: Scopus

Van Oirschot, B.A.J.A., Zhang, Y., Alghamdi, H.S., Cordeiro, J.M., Nagay, B.E., Barao, V.A.R., De Avila, E.D., Van Den Beucken, J.J.J.P.
Surface Engineering for Dental Implantology: Favoring Tissue Responses Along the Implant
(2022) Tissue Engineering - Part A, 28 (11-12), pp. 555-572. Cited 21 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132412772&doi=10.1089%2ften.tea.2021.0230&partnerID=40&md5=5b1127636e07e89570497e7d913c6f48

DOI: 10.1089/ten.tea.2021.0230
DOCUMENT TYPE: Review
SOURCE: Scopus

Qi, L., Liang, R., Jiang, T., Qin, W.
Anti-fouling polymeric membrane ion-selective electrodes
(2022) TrAC - Trends in Analytical Chemistry, 150, art. no. 116572, . Cited 17 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125817786&doi=10.1016%2fj.trac.2022.116572&partnerID=40&md5=f553b43256a91f77df093227125b77b6

DOI: 10.1016/j.trac.2022.116572
DOCUMENT TYPE: Review
SOURCE: Scopus

Nadar, S., Khan, T., Patching, S.G., Omri, A.
Development of Antibiofilm Therapeutics Strategies to Overcome Antimicrobial Drug Resistance
(2022) Microorganisms, 10 (2), art. no. 303, . Cited 37 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123410709&doi=10.3390%2fmicroorganisms10020303&partnerID=40&md5=2410abd212ba92139cc92819986ae38b

DOI: 10.3390/microorganisms10020303
DOCUMENT TYPE: Review
SOURCE: Scopus

Ghosh, S., Kikani, B.A., Turner, R.J.

Pseudomonas putida biofilm: development and dynamics
(2022) Application of Biofilms in Applied Microbiology, pp. 25-49.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143097671&doi=10.1016%2fB978-0-323-90513-8.00006-6&partnerID=40&md5=1670129f70f9584a19b150044d560e9b

DOI: 10.1016/B978-0-323-90513-8.00006-6
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Silva, V., Capelo, J.L., Igrejas, G., Poeta, P.
Molecular Mechanisms of Antimicrobial Resistance in Staphylococcus aureus Biofilms
(2022) Emerging Modalities in Mitigation of Antimicrobial Resistance, pp. 291-314. Cited 8 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140902967&doi=10.1007%2f978-3-030-84126-3_12&partnerID=40&md5=abac3755a76d04950553869e1044c66f

DOI: 10.1007/978-3-030-84126-3_12
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Mihai, M.M., Holban, A.-M., Ion, A., Bălăceanu, B., Gurău, C.-D., Lazăr, V.
Nano-targeted drug delivery approaches for biofilm-associated infections
(2022) Emerging Nanomaterials and Nano-based Drug Delivery Approaches to Combat Antimicrobial Resistance, pp. 97-138.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137920561&doi=10.1016%2fB978-0-323-90792-7.00008-7&partnerID=40&md5=c4ec3657550254a1d53b9b1a80e3e1b5

DOI: 10.1016/B978-0-323-90792-7.00008-7
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Kulshrestha, A., Gupta, P.
Polymicrobial interaction in biofilm: mechanistic insights
(2022) Pathogens and Disease, 80 (1), art. no. ftac010, . Cited 10 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133101168&doi=10.1093%2ffemspd%2fftac010&partnerID=40&md5=3cb5cb7f4aaaaa2aee3784e99674e27b

DOI: 10.1093/femspd/ftac010
DOCUMENT TYPE: Article
SOURCE: Scopus

Kanekar, S., Fathima, F., Rekha, P.-D.
Carvone–a quorum sensing inhibitor blocks biofilm formation in Chromobacterium violaceum
(2022) Natural Product Research, 36 (17), pp. 4546-4551. Cited 4 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117479430&doi=10.1080%2f14786419.2021.1993214&partnerID=40&md5=4e086782ac7c882b6acf871deaef53cf

DOI: 10.1080/14786419.2021.1993214
DOCUMENT TYPE: Article
SOURCE: Scopus

Shepherd, J.
Best served small: Nano battles in the war against wound biofilm infections
(2021) Emerging Topics in Life Sciences, 4 (6), pp. 567-580. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098729888&doi=10.1042%2fETLS20200155&partnerID=40&md5=15342c4edbcebe208f9d012064a8b75b

DOI: 10.1042/ETLS20200155
DOCUMENT TYPE: Review
SOURCE: Scopus

Silva, V., Almeida, L., Gaio, V., Cerca, N., Manageiro, V., Caniça, M., Capelo, J.L., Igrejas, G., Poeta, P.
Biofilm formation of multidrug-resistant mrsa strains isolated from different types of human infections
(2021) Pathogens, 10 (8), art. no. 970, . Cited 30 times.

https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112660063&doi=10.3390%2fpathogens10080970&partnerID=40&md5=e358550d56c47131f33e0acde700ec94

DOI: 10.3390/pathogens10080970
DOCUMENT TYPE: Article
SOURCE: Scopus

Camps, J., Castañé, H., Rodríguez-Tomàs, E., Baiges-Gaya, G., Hernández-Aguilera, A., Arenas, M., Iftimie, S., Joven, J.
On the role of paraoxonase-1 and chemokine ligand 2 (C-c motif) in metabolic alterations linked to inflammation and disease. a 2021 update
(2021) Biomolecules, 11 (7), art. no. 971, . Cited 19 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108962988&doi=10.3390%2fbiom11070971&partnerID=40&md5=9b2ed146add1c9616958cd05394d78a6

DOI: 10.3390/biom11070971
DOCUMENT TYPE: Review
SOURCE: Scopus

Hemmingsen, L.M., Giordani, B., Pettersen, A.K., Vitali, B., Basnet, P., Škalko-Basnet, N.
Liposomes-in-chitosan hydrogel boosts potential of chlorhexidine in biofilm eradication in vitro
(2021) Carbohydrate Polymers, 262, art. no. 117939, . Cited 39 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102873493&doi=10.1016%2fj.carbpol.2021.117939&partnerID=40&md5=f31772d84141a359f21c0767152eb0be

DOI: 10.1016/j.carbpol.2021.117939
DOCUMENT TYPE: Article
SOURCE: Scopus

Paulitsch-Fuchs, A.H., Wolrab, L., Eck, N., Dyer, N.P., Bödendorfer, B., Lohberger, B.
Tial6v4 alloy surface modifications and their impact on biofilm development of s. Aureus and s. epidermidis
(2021) Journal of Functional Biomaterials, 12 (2), art. no. 36, . Cited 7 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107178484&doi=10.3390%2fJFB12020036&partnerID=40&md5=0227e333a7fe29b01eb0c9b091b1ca75

DOI: 10.3390/JFB12020036
DOCUMENT TYPE: Article
SOURCE: Scopus

Pormohammad, A., Monych, N.K., Ghosh, S., Turner, D.L., Turner, R.J.
Nanomaterials in wound healing and infection control
(2021) Antibiotics, 10 (5), art. no. 473, . Cited 66 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105303213&doi=10.3390%2fantibiotics10050473&partnerID=40&md5=bd452a4cc2cbc4dcc72da517533dfa73

DOI: 10.3390/antibiotics10050473
DOCUMENT TYPE: Review
SOURCE: Scopus

Rapacka-zdonczyk, A., Wozniak, A., Nakonieczna, J., Grinholc, M.
Development of antimicrobial phototreatment tolerance: why the methodology matters
(2021) International Journal of Molecular Sciences, 22 (4), art. no. 2224, pp. 1-27. Cited 18 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101345688&doi=10.3390%2fijms22042224&partnerID=40&md5=b8b2a75f9aa41c136e03dc5f115e724a

DOI: 10.3390/ijms22042224
DOCUMENT TYPE: Review
SOURCE: Scopus

Gherasim, O., Grumezescu, A.M., Grumezescu, V., Negut, I., Dumitrescu, M.F., Stan, M.S., Nica, I.C., Holban, A.M., Socol, G., Andronescu, E.
Bioactive coatings based on hydroxyapatite, kanamycin, and growth factor for biofilm modulation

	(2021) Antibiotics, 10 (2), art. no. 160, pp. 1-19. Cited 15 times. **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100963740&doi=10.3390%2fantibiotics10020160&partnerID=40&md5=84dbcb5781fd4508b64fda112e2ca09f** **DOI: 10.3390/antibiotics10020160** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Ghosh, S., Turner, R.J., Bhagwat, T., Webster, T.J.** **Novel and Future Treatment Strategies for Biofilm-Associated Infections** **(2021) Biofilm-Mediated Diseases: Causes and Controls, pp. 239-276. Cited 3 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150147260&doi=10.1007%2f978-981-16-0745-5_10&partnerID=40&md5=3d449b52592cc6751a0e8337c31ea399** **DOI: 10.1007/978-981-16-0745-5_10** **DOCUMENT TYPE: Book Chapter** **SOURCE: Scopus** **Žiemytė, M., Carda-Diéguez, M., Rodríguez-Díaz, J.C., Ventero, M.P., Mira, A., Ferrer, M.D.** **Real-time monitoring of Pseudomonas aeruginosa biofilm growth dynamics and persister cells' eradication** **(2021) Emerging Microbes and Infections, 10 (1), pp. 2062-2075. Cited 18 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119117714&doi=10.1080%2f22221751.2021.1994355&partnerID=40&md5=696b6cf63b6c2e3f0f594971fd1766bc** **DOI: 10.1080/22221751.2021.1994355** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Khan, F., Bamunuarachchi, N.I., Pham, D.T.N., Tabassum, N., Khan, M.S.A., Kim, Y.-M.** **Mixed biofilms of pathogenic Candida-bacteria: regulation mechanisms and treatment strategies** **(2021) Critical Reviews in Microbiology, 47 (6), pp. 699-727. Cited 26 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106336859&doi=10.1080%2f1040841X.2021.1921696&partnerID=40&md5=00538b85842dadc752f0b2817a12b959** **DOI: 10.1080/1040841X.2021.1921696** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Gomes, I.B., Simões, M., Simões, L.C.** **Copper surfaces in biofilm control** **(2020) Nanomaterials, 10 (12), art. no. 2491, pp. 1-21. Cited 27 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097672317&doi=10.3390%2fnano10122491&partnerID=40&md5=09973331d100c4eb878c10202b64d455** **DOI: 10.3390/nano10122491** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Talapko, J., Škrlec, I.** **The principles, mechanisms, and benefits of unconventional agents in the treatment of biofilm infection** **(2020) Pharmaceuticals, 13 (10), art. no. 299, pp. 1-13. Cited 18 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092473629&doi=10.3390%2fph13100299&partnerID=40&md5=d77e110f6ac044aa15e0f5255b73a822** **DOI: 10.3390/ph13100299** **DOCUMENT TYPE: Review** **SOURCE: Scopus**	
6	**In vitro and in vivo studies of novel fabricated bioactive dressings based on collagen and zinc oxide 3D scaffolds, Balaure, PC; Holban, AM; Grumezescu, AM; Mogosanu, GD; Balseanu, TA; Stan, MS; Dinischiotu, A; Volceanov, A; Mogoanta, L., International Journal Of Pharmaceutics, 2019, 557, 199-207, WOS: 000457290600023, Q1**	69

Vagena, I.-A., Gatou, M.-A., Theocharous, G., Pantelis, P., Gazouli, M., Pippa, N., Gorgoulis, V.G., Pavlatou, E.A., Lagopati, N.
Functionalized ZnO-Based Nanocomposites for Diverse Biological Applications: Current Trends and Future Perspectives
(2024) Nanomaterials, 14 (5), art. no. 397, .
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85187458742&doi=10.3390%2fnano14050397&partnerID=40&md5=bc1456b9109a6d809324aa99f32ce149

DOI: 10.3390/nano14050397
DOCUMENT TYPE: Review
SOURCE: Scopus

Jain, A., Abraham, S., Krishnamurthy, S., Desai, K., Basappa Veerabhadraiah, B.
Development of PU foam dressings loaded with extract of Plectranthus amboinicus for burn wound healing
(2024) Drug Development and Industrial Pharmacy, 50 (3), pp. 248-261.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85185661838&doi=10.1080%2f03639045.2024.2315494&partnerID=40&md5=87b0f3e3904b6d5a27dc56601e05d5d0

DOI: 10.1080/03639045.2024.2315494
DOCUMENT TYPE: Article
SOURCE: Scopus

Andonegi, M., Meira, R.M., Correia, D.M., Pereira, N., Costa, C.M., Lanceros-Mendez, S., de la Caba, K., Guerrero, P.
Biodegradable and biocompatible collagen-based hybrid materials for force sensing applications
(2024) International Journal of Biological Macromolecules, 256, art. no. 128486, .
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178166898&doi=10.1016%2fj.ijbiomac.2023.128486&partnerID=40&md5=b45a37fde5edd8922a71487b693135ea

DOI: 10.1016/j.ijbiomac.2023.128486
DOCUMENT TYPE: Article
SOURCE: Scopus

Jia, S., Wang, J., Li, S., Wang, X., Liu, Q., Li, Y., Shad, M., Ma, B., Wang, L., Li, C., Li, X.
Genetically encoded zinc-binding collagen-like protein hybrid hydrogels for wound repair
(2024) International Journal of Biological Macromolecules, 254, art. no. 127592, . Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175877232&doi=10.1016%2fj.ijbiomac.2023.127592&partnerID=40&md5=3ceab4364235b5247f34ed262eae61db

DOI: 10.1016/j.ijbiomac.2023.127592
DOCUMENT TYPE: Article
SOURCE: Scopus

Sharma, C., Verma, M., Abidi, S.M.S., Shukla, A.K., Acharya, A.
Functional fluorescent nanomaterials for the detection, diagnosis and control of bacterial infection and biofilm formation: Insight towards mechanistic aspects and advanced applications
(2023) Colloids and Surfaces B: Biointerfaces, 232, art. no. 113583, .
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173824877&doi=10.1016%2fj.colsurfb.2023.113583&partnerID=40&md5=9988b473cae6efc2e11b5caab50b9e55

DOI: 10.1016/j.colsurfb.2023.113583
DOCUMENT TYPE: Review
SOURCE: Scopus

Selvido, D.I., Skallevold, H.E., Kathayat, G., Sapkota, J., Sanohkan, S., Rokaya, D.
Polyurethane for Medical and Dental Applications: An Update
(2023) ACS Symposium Series, 1454, pp. 101-114.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179128630&doi=10.1021%2fbk-2023-1454.ch005&partnerID=40&md5=07c8068f508b1ff9e2fbe174cad70eb6

DOI: 10.1021/bk-2023-1454.ch005

DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Andonegi, M., Correia, D.M., Pereira, N., Costa, C.M., Lanceros-Mendez, S., de la Caba, K., Guerrero, P.
Sustainable Collagen Composites with Graphene Oxide for Bending Resistive Sensing
(2023) Polymers, 15 (19), art. no. 3855, .
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173798368&doi=10.3390%2fpolym15193855&partnerID=40&md5=2b21024891c95a93a3ffc088e866d3d9

DOI: 10.3390/polym15193855
DOCUMENT TYPE: Article
SOURCE: Scopus

Kumar, M., Keshwania, P., Chopra, S., Mahmood, S., Bhatia, A.
Therapeutic Potential of Nanocarrier-Mediated Delivery of Phytoconstituents for Wound Healing: Their Current Status and Future Perspective
(2023) AAPS PharmSciTech, 24 (6), art. no. 155, . Cited 14 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165338039&doi=10.1208%2fs12249-023-02616-6&partnerID=40&md5=f15f3fbec433b90a78fccf9f67fac3a2

DOI: 10.1208/s12249-023-02616-6
DOCUMENT TYPE: Review
SOURCE: Scopus

Dam, P., Celik, M., Ustun, M., Saha, S., Saha, C., Kacar, E.A., Kugu, S., Karagulle, E.N., Tasoglu, S., Buyukserin, F., Mondal, R., Roy, P., Macedo, M.L.R., Franco, O.L., Cardoso, M.H., Altuntas, S., Mandal, A.K.
Wound healing strategies based on nanoparticles incorporated in hydrogel wound patches
(2023) RSC Advances, 13 (31), pp. 21345-21364. Cited 9 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166313648&doi=10.1039%2fd3ra03477a&partnerID=40&md5=ed6468d1c891a938a32dbd7f69114bce

DOI: 10.1039/d3ra03477a
DOCUMENT TYPE: Review
SOURCE: Scopus

Verma, S.K., Anjali, Dubey, D., Verma, R.K.
Recent advancements in Skin tissue engineering in the application of Nanotechnology
(2023) Research Journal of Biotechnology, 18 (2), pp. 127-136. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149135351&doi=10.25303%2f1802rjbt1270136&partnerID=40&md5=b7a20823e33a0358d57f52f308435527

DOI: 10.25303/1802rjbt1270136
DOCUMENT TYPE: Review
SOURCE: Scopus

Liu, T., Lu, Y., Zhan, R., Qian, W., Luo, G.
Nanomaterials and nanomaterials-based drug delivery to promote cutaneous wound healing
(2023) Advanced Drug Delivery Reviews, 193, art. no. 114670, . Cited 33 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145263867&doi=10.1016%2fj.addr.2022.114670&partnerID=40&md5=7c921eebd9d147cd133a00b5f0b25477

DOI: 10.1016/j.addr.2022.114670
DOCUMENT TYPE: Review
SOURCE: Scopus

Gnatowski, P., Gwizdała, K., Piłat, E., Kucińska-Lipka, J.
Polymers for burn dressings and skin substitutes
(2023) Polymeric Materials for Biomedical Implants: Characterization, Properties, and Applications, pp. 319-336.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85189595120&doi=10.1016%2fB978-0-323-99690-7.00011-X&partnerID=40&md5=ac521213e320136eec71ed475692702a

DOI: 10.1016/B978-0-323-99690-7.00011-X
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Hamed, S.H., Azooz, E.A., Al-Mulla, E.A.J.
Nanoparticles-assisted Wound Healing: A Review
(2023) Nano Biomedicine and Engineering, 15 (4), pp. 425-435. Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178356855&doi=10.26599%2fNBE.2023.9290039&partnerID=40&md5=7ce86290feebc403a9f148c44fcc688f

DOI: 10.26599/NBE.2023.9290039
DOCUMENT TYPE: Review
SOURCE: Scopus

Sharma, A., Shambhwani, D., Pandey, M.M., Pandey, S., Kumar, D.
Nanoparticle-based materials for wound management
(2023) Nanotechnological Aspects for Next-Generation Wound Management, pp. 131-147.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176326539&doi=10.1016%2fB978-0-323-99165-0.00015-0&partnerID=40&md5=a6f5feeaf607215e9bfcd951fab9801f

DOI: 10.1016/B978-0-323-99165-0.00015-0
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Verma, D., Yadav, A.K., Solanki, P.R.
Nanocomposites applications in wound management
(2023) Nanotechnological Aspects for Next-Generation Wound Management, pp. 149-167.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176314971&doi=10.1016%2fB978-0-323-99165-0.00003-4&partnerID=40&md5=ddc19bcbb32ef26e2db585939769d6e1

DOI: 10.1016/B978-0-323-99165-0.00003-4
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Singh, M., Archana, Kumar, A., RB Singh, K., Singh, J., Singh, R.P., Solanki, P.R.
Introduction to nanotechnological aspects in wound management
(2023) Nanotechnological Aspects for Next-Generation Wound Management, pp. 1-20.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176292966&doi=10.1016%2fB978-0-323-99165-0.00001-0&partnerID=40&md5=a4bea654bccbdf2ef4fe63813b1e8baa

DOI: 10.1016/B978-0-323-99165-0.00001-0
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Chopra, H., Mohanta, Y.K., Mahanta, S., Mohanta, T.K., Singh, I., Avula, S.K., Mallick, S.P., Rabaan, A.A., Alsaihati, H., Alsayyah, A., Alissa, M., Alturaifi, H.R., Alalwan, B., Attia, M.S., Chakraborty, S., Dhama, K.
Recent updates in nanotechnological advances for wound healing: A narrative review
(2023) Nanotechnology Reviews, 12 (1), art. no. 20230129, .
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175352107&doi=10.1515%2fntrev-2023-0129&partnerID=40&md5=03461957fe41f87a4835490384440da5

DOI: 10.1515/ntrev-2023-0129
DOCUMENT TYPE: Review
SOURCE: Scopus

Kabir, A., Sarkar, A., Barui, A.
Acute and Chronic Wound Management: Assessment, Therapy and Monitoring Strategies
(2023) Regenerative Medicine: Emerging Techniques to Translation Approaches, pp. 97-125.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160180949&doi=10.1007%2f978-981-19-6008-6_6&partnerID=40&md5=97939243dce6a5a36ac39cd165284f02

DOI: 10.1007/978-981-19-6008-6_6
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Prakashan, D., Roberts, A., Gandhi, S.
Recent advancement of nanotherapeutics in accelerating chronic wound healing process for surgical wounds and diabetic ulcers
(2023) Biotechnology and Genetic Engineering Reviews, . Cited 6 times.

https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146308134&doi=10.1080%2f02648725.2023.2167432&partnerID=40&md5=507bf87b9c8c133011606816d1e00fd4

DOI: 10.1080/02648725.2023.2167432
DOCUMENT TYPE: Review
SOURCE: Scopus

Lukhey, M.S., Shende, P.
Advancement in wound healing treatment using functional nanocarriers
(2023) International Journal of Polymeric Materials and Polymeric Biomaterials, 72 (17), pp. 1406-1421. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134567074&doi=10.1080%2f00914037.2022.2099393&partnerID=40&md5=87d276dc769d5fa597ba2d151a6fdd8b

DOI: 10.1080/00914037.2022.2099393
DOCUMENT TYPE: Review
SOURCE: Scopus

Zhang, C., Liu, J., Ahmeda, A., Liu, Y., Feng, J., Guan, H., Li, C., Nowrozi, M., Zangeneh, M.M., Zangeneh, A., Almasi, M.
Biosynthesis of zinc nanoparticles using Allium saralicum R.M. Fritsch leaf extract; Chemical characterization and analysis of their cytotoxicity, antioxidant, antibacterial, antifungal, and cutaneous wound healing properties
(2022) Applied Organometallic Chemistry, 36 (12), art. no. e5564, .
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141339533&doi=10.1002%2faoc.5564&partnerID=40&md5=ff93ea58d54448c27cd8ac9121fb6038

DOI: 10.1002/aoc.5564
DOCUMENT TYPE: Article
SOURCE: Scopus

Sawah, D., Sahloul, M., Ciftci, F.
Nano-material utilization in stem cells for regenerative medicine
(2022) Biomedizinische Technik, 67 (6), pp. 429-442. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138227821&doi=10.1515%2fbmt-2022-0123&partnerID=40&md5=8e87f064461b040e5b041ca162b73e9d

DOI: 10.1515/bmt-2022-0123
DOCUMENT TYPE: Review
SOURCE: Scopus

Rahman, M.A., Barkat, H.A., Harwansh, R.K., Deshmukh, R.
Carbon-based Nanomaterials: Carbon Nanotubes, Graphene, and Fullerenes for the Control of Burn Infections and Wound Healing
(2022) Current Pharmaceutical Biotechnology, 23 (12), pp. 1483-1496. Cited 13 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138448907&doi=10.2174%2f1389201023666220309152340&partnerID=40&md5=2e0478e47ed290e2c1d34ad96e982c2a

DOI: 10.2174/1389201023666220309152340
DOCUMENT TYPE: Article
SOURCE: Scopus

Nessbach, P., Schwarz, S., Becke, T.D., Clausen-Schaumann, H., Machens, H.-G., Sudhop, S.
Angiogenic Potential of Co-Cultured Human Umbilical Vein Endothelial Cells and Adipose Stromal Cells in Customizable 3D Engineered Collagen Sheets
(2022) Journal of Functional Biomaterials, 13 (3), art. no. 107, . Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138599231&doi=10.3390%2fjfb13030107&partnerID=40&md5=903a03903bda77f1e3ba933cc3db0b15

DOI: 10.3390/jfb13030107
DOCUMENT TYPE: Article
SOURCE: Scopus

Chandraprabha, M.N., Krishna, R.H., Samrat, K., Pradeepa, K., Patil, N.C., Sasikumar, M.
Biogenic Collagen-Nano ZnO Composite Membrane as Potential Wound Dressing Material: Structural Characterization, Antibacterial Studies and In Vivo Wound Healing Studies
(2022) Journal of Inorganic and Organometallic Polymers and Materials, 32 (9), pp. 3429-3444. Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131547854&doi=10.1007%2fs10904-022-02351-8&partnerID=40&md5=a2358ecc3a27f36fff90f687254c93f4

DOI: 10.1007/s10904-022-02351-8
DOCUMENT TYPE: Article
SOURCE: Scopus

Andonegi, M., Correia, D.M., Costa, C.M., Lanceros-Mendez, S., Caba, K.D.L., Guerrero, P.
Tailoring physicochemical properties of collagen-based composites with ionic liquids and wool for advanced applications
(2022) Polymer, 252, art. no. 124943, . Cited 5 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129985391&doi=10.1016%2fj.polymer.2022.124943&partnerID=40&md5=ac85eec2efab03d2735c83d85cac4630

DOI: 10.1016/j.polymer.2022.124943
DOCUMENT TYPE: Article
SOURCE: Scopus

Pahlevanzadeh, F., Setayeshmehr, M., Bakhsheshi-Rad, H.R., Emadi, R., Kharaziha, M., Poursamar, S.A., Ismail, A.F., Sharif, S., Chen, X., Berto, F.
A Review on Antibacterial Biomaterials in Biomedical Applications: From Materials Perspective to Bioinks Design
(2022) Polymers, 14 (11), art. no. 2238, . Cited 26 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131747429&doi=10.3390%2fpolym14112238&partnerID=40&md5=2d52f309606a63cbc6cb9ee82ba17814

DOI: 10.3390/polym14112238
DOCUMENT TYPE: Review
SOURCE: Scopus

Jiang, L., Han, Y., Xu, J., Wang, T.
Preparation and study of cellulose-based ZnO NPs@HEC/C-β-CD/Menthol hydrogel as wound dressing
(2022) Biochemical Engineering Journal, 184, art. no. 108488, . Cited 7 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130905958&doi=10.1016%2fj.bej.2022.108488&partnerID=40&md5=93d54d869ec5557e66eca913fab6397a

DOI: 10.1016/j.bej.2022.108488
DOCUMENT TYPE: Article
SOURCE: Scopus

de Souza, A., de Almeida Cruz, M., de Araújo, T.A.T., Parisi, J.R., do Vale, G.C.A., dos Santos Jorge Sousa, K., Ribeiro, D.A., Granito, R.N., Renno, A.C.M.
Fish collagen for skin wound healing: a systematic review in experimental animal studies
(2022) Cell and Tissue Research, 388 (3), pp. 489-502. Cited 10 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128743526&doi=10.1007%2fs00441-022-03625-w&partnerID=40&md5=91d2510a2bc44395321bf2b9d69216c3

DOI: 10.1007/s00441-022-03625-w
DOCUMENT TYPE: Review
SOURCE: Scopus

Gorain, B., Pandey, M., Leng, N.H., Yan, C.W., Nie, K.W., Kaur, S.J., Marshall, V., Sisinthy, S.P., Panneerselvam, J., Molugulu, N., Kesharwani, P., Choudhury, H.
Advanced drug delivery systems containing herbal components for wound healing
(2022) International Journal of Pharmaceutics, 617, art. no. 121617, . Cited 43 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125219912&doi=10.1016%2fj.ijpharm.2022.121617&partnerID=40&md5=926aa0de8743ab3717c3dc55c1abe821

DOI: 10.1016/j.ijpharm.2022.121617

DOCUMENT TYPE: Review
SOURCE: Scopus

Shalaby, M.A., Anwar, M.M., Saeed, H.
Nanomaterials for application in wound Healing: current state-of-the-art and future perspectives
(2022) Journal of Polymer Research, 29 (3), art. no. 91, . Cited 38 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125385044&doi=10.1007%2fs10965-021-02870-x&partnerID=40&md5=0c7a1a4f6e33cd98c385cf6e16edded0

DOI: 10.1007/s10965-021-02870-x
DOCUMENT TYPE: Review
SOURCE: Scopus

Kushwaha, A., Goswami, L., Kim, B.S.
Nanomaterial-Based Therapy for Wound Healing
(2022) Nanomaterials, 12 (4), art. no. 618, . Cited 58 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124496501&doi=10.3390%2fnano12040618&partnerID=40&md5=eae6a6dce0245e5a9a8a5dfbebc558b8

DOI: 10.3390/nano12040618
DOCUMENT TYPE: Review
SOURCE: Scopus

Jiang, T., Li, Q., Qiu, J., Chen, J., Du, S., Xu, X., Yang, X., Chen, Z., Chen, T., Wu, Z.
Nanobiotechnology: Applications in Chronic Wound Healing
(2022) International Journal of Nanomedicine, 17, pp. 3125-3145. Cited 17 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134514565&doi=10.2147%2fIJN.S372211&partnerID=40&md5=71c493af51582740c20cad8d18fa6303

DOI: 10.2147/IJN.S372211
DOCUMENT TYPE: Review
SOURCE: Scopus

Girija, A.R., Balasubramanian, S., Cowin, A.J.
Nanomaterials-based Drug Delivery Approaches for Wound Healing
(2022) Current Pharmaceutical Design, 28 (9), pp. 711-726. Cited 11 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130013493&doi=10.2174%2f1381612828666220328121211&partnerID=40&md5=499c2557dbbe1ca7d39ace033502c45d

DOI: 10.2174/1381612828666220328121211
DOCUMENT TYPE: Article
SOURCE: Scopus

Pundir, A., Chopra, L.
Comprehensive study of synthetic tool for ZnO based nanoparticles
(2022) Materials Today: Proceedings, 52, pp. 339-344. Cited 3 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127382186&doi=10.1016%2fj.matpr.2021.09.044&partnerID=40&md5=6eb224a758b02bd9add1f9eec9699d68

DOI: 10.1016/j.matpr.2021.09.044
DOCUMENT TYPE: Conference Paper
SOURCE: Scopus

Vedhanayagam, M., kumar, A.S., Nair, B.U., Sreeram, K.J.
Dendrimer-Functionalized Metal Oxide Nanoparticle-Mediated Self-Assembled Collagen Scaffold for Skin Regenerative Application: Function of Metal in Metal Oxides
(2022) Applied Biochemistry and Biotechnology, 194 (1), pp. 266-290. Cited 5 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120622666&doi=10.1007%2fs12010-021-03764-w&partnerID=40&md5=77769b8357acbb1e391ee0f51bdfef73

DOI: 10.1007/s12010-021-03764-w
DOCUMENT TYPE: Article
SOURCE: Scopus

Malaikozhundan, B., Vinodhini, J., Manivannan, N., Boopathi, T., Vijayakumar, S.
Bioapplications of nanoparticles
(2021) Nano-Bioremediation: Fundamentals and Applications, pp. 213-239. Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126161053&doi=10.1016%2fB978-0-12-823962-9.00005-2&partnerID=40&md5=21887e30cfe1abf0ac9c24e18645690c

DOI: 10.1016/B978-0-12-823962-9.00005-2
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Moholkar, D.N., Sadalage, P.S., Peixoto, D., Paiva-Santos, A.C., Pawar, K.D.
Recent advances in biopolymer-based formulations for wound healing applications
(2021) European Polymer Journal, 160, art. no. 110784, . Cited 32 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118765280&doi=10.1016%2fj.eurpolymj.2021.110784&partnerID=40&md5=f235e8da1e8c4906692f9347f94fff3

DOI: 10.1016/j.eurpolymj.2021.110784
DOCUMENT TYPE: Review
SOURCE: Scopus

Zhang, Q., Zhang, H., Hui, A., Ding, J., Liu, X., Wang, A.
Synergistic effect of glycyrrhizic acid and zno/palygorskite on improving chitosan-based films and their potential application in wound healing
(2021) Polymers, 13 (22), art. no. 3878, . Cited 9 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119277363&doi=10.3390%2fpolym13223878&partnerID=40&md5=c8c28058a26c45b6e118e46bf5e3d7c0

DOI: 10.3390/polym13223878
DOCUMENT TYPE: Article
SOURCE: Scopus

Wiesmann, N., Mendler, S., Buhr, C.R., Ritz, U., Kämmerer, P.W., Brieger, J.
Zinc oxide nanoparticles exhibit favorable properties to promote tissue integration of biomaterials
(2021) Biomedicines, 9 (10), art. no. 1462, . Cited 15 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118336471&doi=10.3390%2fbiomedicines9101462&partnerID=40&md5=f453dc71b7469ae019bf57943dfc681e

DOI: 10.3390/biomedicines9101462
DOCUMENT TYPE: Article
SOURCE: Scopus

Kalirajan, C., Dukle, A., Nathanael, A.J., Oh, T.-H., Manivasagam, G.
A critical review on polymeric biomaterials for biomedical applications
(2021) Polymers, 13 (17), art. no. 3015, . Cited 45 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114507258&doi=10.3390%2fpolym13173015&partnerID=40&md5=72c5631bcb74102597346a69e3102019

DOI: 10.3390/polym13173015
DOCUMENT TYPE: Review
SOURCE: Scopus

Araujo, T.A.T., Almeida, M.C., Avanzi, I., Parisi, J., Simon Sales, A.F., Na, Y., Renno, A.
Collagen membranes for skin wound repair: A systematic review
(2021) Journal of Biomaterials Applications, 36 (1), pp. 95-112. Cited 17 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097928462&doi=10.1177%2f0885328220980278&partnerID=40&md5=0df3a896a75cd00c7aa20a245acc03d5

DOI: 10.1177/0885328220980278
DOCUMENT TYPE: Review
SOURCE: Scopus

Mohamed Abudhahir, K., Murugesan, R., Vijayashree, R., Selvamurugan, N., Chung, T.-W., Moorthi, A.
Metal doped calcium silicate biomaterial for skin tissue regeneration in vitro

(2021) Journal of Biomaterials Applications, 36 (1), pp. 140-151. Cited 10 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092615152&doi=10.1177%2f0885328220962607&partnerID=40&md5=004d1c28c9ce092597402456c82eb2c5

DOI: 10.1177/0885328220962607
DOCUMENT TYPE: Article
SOURCE: Scopus

Banerjee, K., Madhyastha, R., Nakajima, Y., Maruyama, M., Madhyastha, H.
Nanoceutical adjuvants as wound healing material: Precepts and prospects
(2021) International Journal of Molecular Sciences, 22 (9), art. no. 4748, . Cited 25 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105481880&doi=10.3390%2fijms22094748&partnerID=40&md5=dd8f134dc035db6f99b16c251083cc96

DOI: 10.3390/ijms22094748
DOCUMENT TYPE: Review
SOURCE: Scopus

Gherasim, O., Popescu, R.C., Grumezescu, V., Mogoșanu, G.D., Mogoantă, L., Iordache, F., Holban, A.M., Vasile, B.Ș., Bîrcă, A.C., Oprea, O.-C., Grumezescu, A.M., Andronescu, E.
MAPLE coatings embedded with essential oil-conjugated magnetite for anti-biofilm applications
(2021) Materials, 14 (7), art. no. 1612, . Cited 31 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103843431&doi=10.3390%2fma14071612&partnerID=40&md5=3f28cf9ab5ea4d937c7e4adbbb4b497f

DOI: 10.3390/ma14071612
DOCUMENT TYPE: Article
SOURCE: Scopus

Gherasim, O., Grumezescu, A.M., Ficai, A., Grumezescu, V., Holban, A.M., Gălățeanu, B., Hudiță, A.
Composite p(3hb-3hv)-cs spheres for enhanced antibiotic efficiency
(2021) Polymers, 13 (6), art. no. 989, . Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103826410&doi=10.3390%2fpolym13060989&partnerID=40&md5=5f9ec3c650a97140ccc548a3808dc12a

DOI: 10.3390/polym13060989
DOCUMENT TYPE: Article
SOURCE: Scopus

Li, D., Dai, F., Li, H., Wang, C., Shi, X., Cheng, Y., Deng, H.
Chitosan and collagen layer-by-layer assembly modified oriented nanofibers and their biological properties
(2021) Carbohydrate Polymers, 254, art. no. 117438, . Cited 35 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097346731&doi=10.1016%2fj.carbpol.2020.117438&partnerID=40&md5=fc546637792ca96e6fde3e02f6fb9dd0

DOI: 10.1016/j.carbpol.2020.117438
DOCUMENT TYPE: Article
SOURCE: Scopus

El-Aassar, M.R., El-Beheri, N.G., Agwa, M.M., Eltaher, H.M., Alseqely, M., Sadik, W.S., El-Khordagui, L.
Antibiotic-free combinational hyaluronic acid blend nanofibers for wound healing enhancement
(2021) International Journal of Biological Macromolecules, 167, pp. 1552-1563. Cited 53 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096879093&doi=10.1016%2fj.ijbiomac.2020.11.109&partnerID=40&md5=f646c9c3f69164451c9f33dcd432d1d0

DOI: 10.1016/j.ijbiomac.2020.11.109
DOCUMENT TYPE: Article
SOURCE: Scopus

Abbasi, Y.F., Bera, H.
Biopolymer-metal oxide composites in biomedical applications
(2021) Tailor-Made and Functionalized Biopolymer Systems: For Drug Delivery and Biomedical Applications, pp. 203-251.

https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127713085&doi=10.1016%2fB978-0-12-821437-4.00008-6&partnerID=40&md5=654bd43f45f3bb7f03a767d1b9818cdb

DOI: 10.1016/B978-0-12-821437-4.00008-6
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Mondal, S., Sharif, A.
Antimicrobial biocomposites
(2021) Green Biocomposites for Biomedical Engineering: Design, Properties, and Applications, pp. 37-63. Cited 3 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127650240&doi=10.1016%2fB978-0-12-821553-1.00006-5&partnerID=40&md5=6c282654c0966d2ed8fc825e24b71091

DOI: 10.1016/B978-0-12-821553-1.00006-5
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Thapa, R.K., Grønlien, K.G., Tønnesen, H.H.
Protein-Based Systems for Topical Antibacterial Therapy
(2021) Frontiers in Medical Technology, 3, art. no. 685686, . Cited 4 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127436424&doi=10.3389%2ffmedt.2021.685686&partnerID=40&md5=d715669075b49b8752a898095674c8d0

DOI: 10.3389/fmedt.2021.685686
DOCUMENT TYPE: Review
SOURCE: Scopus

Gherasim, O., Popescu-Pelin, G., Florian, P., Icriverzi, M., Roseanu, A., Mitran, V., Cimpean, A., Socol, G.
Bioactive ibuprofen-loaded plga coatings for multifunctional surface modification of medical devices
(2021) Polymers, 13 (9), art. no. 1413, . Cited 9 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105726011&doi=10.3390%2fpolym13091413&partnerID=40&md5=c1ee85d7545175c9c30edef2fc7e2207

DOI: 10.3390/polym13091413
DOCUMENT TYPE: Article
SOURCE: Scopus

Gherasim, O., Puiu, R.A., Bîrca, A.C., Burduşel, A.-C., Grumezescu, A.M.
An updated review on silver nanoparticles in biomedicine
(2020) Nanomaterials, 10 (11), art. no. 2318, pp. 1-44. Cited 129 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096973921&doi=10.3390%2fnano10112318&partnerID=40&md5=d99f15d0f199726022e2523f2d9913b8

DOI: 10.3390/nano10112318
DOCUMENT TYPE: Review
SOURCE: Scopus

Rezaei, F., Damoogh, S., Reis, R.L., Kundu, S.C., Mottaghitalab, F., Farokhi, M.
Dual drug delivery system based on pH-sensitive silk fibroin/alginate nanoparticles entrapped in PNIPAM hydrogel for treating severe infected burn wound
(2020) Biofabrication, 13 (1), art. no. 015005, . Cited 58 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093910941&doi=10.1088%2f1758-5090%2fabbb82&partnerID=40&md5=b6db6fcdaa87a386f67f4b2c74db4a2f

DOI: 10.1088/1758-5090/abbb82
DOCUMENT TYPE: Article
SOURCE: Scopus

Bakil, S.N.A., Kamal, H., Abdullah, H.Z., Idris, M.I.
Sodium alginate-zinc oxide nanocomposite film for antibacterial wound healing applications
(2020) Biointerface Research in Applied Chemistry, 10 (5), pp. 6245-6252. Cited 23 times.

https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085557718&doi=10.33263%2fBRIAC105.62456252&partnerID=40&md5=6ed308b113a85cea5dc4e21e91d50072

DOI: 10.33263/BRIAC105.62456252
DOCUMENT TYPE: Article
SOURCE: Scopus

Gherasim, O., Grumezescu, A.M., Mogoşanu, G.D., Vasile, B.Ş., Bejenaru, C., Bejenaru, L.E., Andronescu, E., Mogoantă, L.
Biodistribution of essential oil-conjugated silver nanoparticles
(2020) Romanian Journal of Morphology and Embryology, 61 (4), pp. 1099-1109. Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109931310&doi=10.47162%2fRJME.61.4.12&partnerID=40&md5=dcb93e7d82547758e54b4e6d33403010

DOI: 10.47162/RJME.61.4.12
DOCUMENT TYPE: Article
SOURCE: Scopus

Wu, C., Zhang, Z., Zhou, K., Chen, W., Tao, J., Li, C., Xin, H., Song, Y., Ai, F.
Preparation and characterization of borosilicate-bioglass-incorporated sodium alginate composite wound dressing for accelerated full-thickness skin wound healing
(2020) Biomedical Materials (Bristol), 15 (5), art. no. 055009, . Cited 21 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088610345&doi=10.1088%2f1748-605X%2fab9421&partnerID=40&md5=9b609a6ce811fc7e0e279251c4ba479b

DOI: 10.1088/1748-605X/ab9421
DOCUMENT TYPE: Retracted
SOURCE: Scopus

Xu, C., Akakuru, O.U., Ma, X., Zheng, J., Zheng, J., Wu, A.
Nanoparticle-Based Wound Dressing: Recent Progress in the Detection and Therapy of Bacterial Infections
(2020) Bioconjugate Chemistry, 31 (7), pp. 1708-1723. Cited 83 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088179946&doi=10.1021%2facs.bioconjchem.0c00297&partnerID=40&md5=8cab8205769c4a100b44708dbf491e38

DOI: 10.1021/acs.bioconjchem.0c00297
DOCUMENT TYPE: Review
SOURCE: Scopus

Naskar, A., Kim, K.-S.
Recent advances in nanomaterial-based wound-healing therapeutics
(2020) Pharmaceutics, 12 (6), art. no. 499, . Cited 128 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085868585&doi=10.3390%2fpharmaceutics12060499&partnerID=40&md5=19d1ff723be8b6b8892ec063226ffc69

DOI: 10.3390/pharmaceutics12060499
DOCUMENT TYPE: Review
SOURCE: Scopus

Andonegi, M., Peñalba, M., de la Caba, K., Guerrero, P.
ZnO nanoparticle-incorporated native collagen films with electro-conductive properties
(2020) Materials Science and Engineering C, 108, art. no. 110394, . Cited 34 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074494406&doi=10.1016%2fj.msec.2019.110394&partnerID=40&md5=5bedb6b6ad5c6735cd937e89f7e3db73

DOI: 10.1016/j.msec.2019.110394
DOCUMENT TYPE: Article
SOURCE: Scopus

Docea, A.O., Calina, D., Buga, A.M., Zlatian, O., Paoliello, M.M.B., Mogosanu, G.D., Streba, C.T., Popescu, E.L., Stoica, A.E., Bîrcă, A.C., Vasile, B.Ș., Grumezescu, A.M., Mogoanta, L.
The effect of silver nanoparticles on antioxidant/pro-oxidant balance in a murine model

(2020) International Journal of Molecular Sciences, 21 (4), art. no. 1233, . Cited 69 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079545066&doi=10.3390%2fijms21041233&partnerID=40&md5=c76b85371c48e8c5c051acf2bc52abd1

DOI: 10.3390/ijms21041233
DOCUMENT TYPE: Article
SOURCE: Scopus

Krishnaswami, V., Raju, N.S., Alagarsamy, S., Kandasamy, R.
Novel nanocarriers for the treatment of wound healing
(2020) Current Pharmaceutical Design, 26 (36), pp. 4591-4600. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090844393&doi=10.2174%2f1381612826666200701203432&partnerID=40&md5=1cb170aabc5f60621413fb74618301a5

DOI: 10.2174/1381612826666200701203432
DOCUMENT TYPE: Article
SOURCE: Scopus

Zgura, I., Preda, N., Enculescu, M., Diamandescu, L., Negrila, C., Bacalum, M., Ungureanu, C., Barbinta-Patrascu, M.E.
Cytotoxicity, antioxidant, antibacterial, and photocatalytic activities of ZnO-CdS powders
(2020) Materials, 13 (1), p. 182. Cited 16 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079817609&doi=10.3390%2fma13010182&partnerID=40&md5=126d3b3e5306203e19d7cc424a9c4234

DOI: 10.3390/ma13010182
DOCUMENT TYPE: Article
SOURCE: Scopus

Jin, S.-E., Jin, H.-E.
Synthesis, characterization, and three-dimensional structure generation of zinc oxide-based nanomedicine for biomedical applications
(2019) Pharmaceutics, 11 (11), art. no. 575, . Cited 79 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074669603&doi=10.3390%2fpharmaceutics11110575&partnerID=40&md5=01355581673a46592c57f676c63d8263

DOI: 10.3390/pharmaceutics11110575
DOCUMENT TYPE: Review
SOURCE: Scopus

Soriano-Ruiz, J.L., Gálvez-Martín, P., López-Ruiz, E., Suñer-Carbó, J., Calpena-Campmany, A.C., Marchal, J.A., Clares-Naveros, B.
Design and evaluation of mesenchymal stem cells seeded chitosan/glycosaminoglycans quaternary hydrogel scaffolds for wound healing applications
(2019) International Journal of Pharmaceutics, 570, art. no. 118632, . Cited 18 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071298045&doi=10.1016%2fj.ijpharm.2019.118632&partnerID=40&md5=d516b0a2b5f204a3eff3608f19560f24

DOI: 10.1016/j.ijpharm.2019.118632
DOCUMENT TYPE: Article
SOURCE: Scopus

Sun, L., Han, J., Liu, Z., Wei, S., Su, X., Zhang, G.
The facile fabrication of wound compatible anti-microbial nanoparticles encapsulated Collagenous Chitosan matrices for effective inhibition of poly-microbial infections and wound repairing in burn injury care: Exhaustive in vivo evaluations
(2019) Journal of Photochemistry and Photobiology B: Biology, 197, art. no. 111539, . Cited 42 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068530439&doi=10.1016%2fj.jphotobiol.2019.111539&partnerID=40&md5=40bf229d51c298e3af34e206145c5f53

DOI: 10.1016/j.jphotobiol.2019.111539

	DOCUMENT TYPE: Article SOURCE: Scopus Mihai, M.M., Dima, M.B., Dima, B., Holban, A.M. Nanomaterials for wound healing and infection control (2019) Materials, 12 (13), art. no. 2176, . Cited 259 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068865103&doi=10.3390%2fma12132176&partnerID=40&md5=29156e2bca816a6ba8ed5546cd456fd4 DOI: 10.3390/ma12132176 DOCUMENT TYPE: Review SOURCE: Scopus Muñoz-Bonilla, A., Echeverria, C., Sonseca, Á., Arrieta, M.P., Fernández-García, M. Bio-based polymers with antimicrobial properties towards sustainable development (2019) Materials, 12 (4), art. no. 641, . Cited 122 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062244948&doi=10.3390%2fma12040641&partnerID=40&md5=6f36865fc3d589ca160d023b67218f4d DOI: 10.3390/ma12040641 DOCUMENT TYPE: Review SOURCE: Scopus Grecu, A.F., Popa, D.G., Lungulescu, C.V., Ciucă, E.M., Camen, A., Danielamarinescu, D., Nica, O., Busuioc, C.J., Chen, F.I., Ciurea, M.E. Histological findings from rat calvaria defect augmented with platelet-rich fibrin by using two consecutive periosteal incisions (2019) Romanian Journal of Morphology and Embryology, 60 (1), pp. 111-118. Cited 2 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069267723&partnerID=40&md5=3d2a8c61b219edfc845b1bf4540e8fe0 DOCUMENT TYPE: Article SOURCE: Scopus	
7	**Smart Triggered Release in Controlled Drug Delivery, Balaure, PC; Gudovan, D; Gudovan, IA, CURRENT DRUG TARGETS, 2018, Volume: 19 Issue: 4 Pages: 318-327, DOI10.2174/1389450117666160401125034, WOS:000426208400003**	11
	Parvathi, K., Kesavan, M.P., Bhaskar, R., Renukadevi, C.R., Ayyanaar, S. Targeted drug release and in vitro anticancer activities of iron oxide@folic acid/chitosan-based nano-niosomes (2024) Colloids and Surfaces A: Physicochemical and Engineering Aspects, 686, art. no. 133366, . https://www.scopus.com/inward/record.uri?eid=2-s2.0-85185402278&doi=10.1016%2fj.colsurfa.2024.133366&partnerID=40&md5=e429c5050b598df46b03f5f24bb66f45 DOI: 10.1016/j.colsurfa.2024.133366 DOCUMENT TYPE: Article SOURCE: Scopus Zhao, C., Zhu, X., Tan, J., Mei, C., Cai, X., Kong, F. Lipid-based nanoparticles to address the limitations of GBM therapy by overcoming the blood-brain barrier, targeting glioblastoma stem cells, and counteracting the immunosuppressive tumor microenvironment (2024) Biomedicine and Pharmacotherapy, 171, art. no. 116113, . Cited 2 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181833749&doi=10.1016%2fj.biopha.2023.116113&partnerID=40&md5=222b887da76937bf22662a4e8a85c0f1 DOI: 10.1016/j.biopha.2023.116113 DOCUMENT TYPE: Review SOURCE: Scopus Ayyanaar, S., Kesavan, M.P. Magnetic iron oxide nanoparticles@lecithin/poly (l-lactic acid) microspheres for targeted drug release in cancer therapy (2023) International Journal of Biological Macromolecules, 253, art. no. 127480, . Cited 1 time.	

https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174615303&doi=10.1016%2fj.ijbiomac.2023.127480&partnerID=40&md5=03f40132e49a6f8d96358978a4872a44

DOI: 10.1016/j.ijbiomac.2023.127480
DOCUMENT TYPE: Article
SOURCE: Scopus

Pisani, S., Bertino, G., Prina-Mello, A., Locati, L.D., Mauramati, S., Genta, I., Dorati, R., Conti, B., Benazzo, M.
Electroporation in Head-and-Neck Cancer: An Innovative Approach with Immunotherapy and Nanotechnology Combination
(2022) Cancers, 14 (21), art. no. 5363, . Cited 9 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141705242&doi=10.3390%2fcancers14215363&partnerID=40&md5=dd761484d1b5a1fd87c69c6bd6c91d07

DOI: 10.3390/cancers14215363
DOCUMENT TYPE: Review
SOURCE: Scopus

Lu, K., Wang, Y., Zhang, H., Tian, C., Wang, W., Yang, T., Qi, B., Wu, S.
Rational Design of a Theranostic Agent Triggered by Endogenous Nitric Oxide in a Cellular Model of Alzheimer's Disease
(2022) Journal of Medicinal Chemistry, 65 (13), pp. 9193-9205. Cited 3 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134428881&doi=10.1021%2facs.jmedchem.2c00399&partnerID=40&md5=8e7ee2ef23c89a1f652fb22f104eb1da

DOI: 10.1021/acs.jmedchem.2c00399
DOCUMENT TYPE: Article
SOURCE: Scopus

Ayyanaar, S., Bhaskar, R., Esthar, S., Vadivel, M., Rajesh, J., Rajagopal, G.
Design and development of 5-fluorouracil loaded biodegradable magnetic microspheres as site-specific drug delivery vehicle for cancer therapy
(2022) Journal of Magnetism and Magnetic Materials, 546, art. no. 168853, . Cited 18 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119971567&doi=10.1016%2fj.jmmm.2021.168853&partnerID=40&md5=edf1d3317aac5fa30ac4ca9985d8c94d

DOI: 10.1016/j.jmmm.2021.168853
DOCUMENT TYPE: Article
SOURCE: Scopus

Lyu, Q., Peng, L., Hong, X., Fan, T., Li, J., Cui, Y., Zhang, H., Zhao, J.
Smart nano-micro platforms for ophthalmological applications: The state-of-the-art and future perspectives
(2021) Biomaterials, 270, art. no. 120682, . Cited 32 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100099891&doi=10.1016%2fj.biomaterials.2021.120682&partnerID=40&md5=ac4930a0cb2675435fd0bba18da5cf70

DOI: 10.1016/j.biomaterials.2021.120682
DOCUMENT TYPE: Review
SOURCE: Scopus

Karges, J., Stokes, R.W., Cohen, S.M.
Photorelease of a metal-binding pharmacophore from a Ru(ii) polypyridine complex
(2021) Dalton Transactions, 50 (8), pp. 2757-2765. Cited 11 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101993717&doi=10.1039%2fd0dt04290k&partnerID=40&md5=a4ae2980732d6886df2a04b64d66ed0b

DOI: 10.1039/d0dt04290k
DOCUMENT TYPE: Article
SOURCE: Scopus

Ayyanaar, S., Kesavan, M.P., Sivaraman, G., Raja, R.P., Vijayakumar, V., Rajesh, J., Rajagopal, G.

	Reactive oxygen species (ROS)-responsive microspheres for targeted drug delivery of camptothecin (2019) Journal of Drug Delivery Science and Technology, 52, pp. 722-729. Cited 17 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067915589&doi=10.1016%2fj.jddst.2019.05.036&partnerID=40&md5=9cbc70997edd2e5e118413f28e227e5a DOI: 10.1016/j.jddst.2019.05.036 DOCUMENT TYPE: Article SOURCE: Scopus Richard, P.U., Craciun, I., Gaitzsch, J., Weiner, L., Palivan, C.G. Delivery of ROS Generating Anthraquinones Using Reduction-Responsive Peptide-Based Nanoparticles (2018) Helvetica Chimica Acta, 101 (7), art. no. e1800064, . Cited 4 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049563310&doi=10.1002%2fhlca.201800064&partnerID=40&md5=7866348c5fabb34903bc044002611d1c DOI: 10.1002/hlca.201800064 DOCUMENT TYPE: Article SOURCE: Scopus Hardenia, A., Maheshwari, N., Hardenia, S.S., Dwivedi, S.K., Maheshwari, R., Tekade, R.K. Scientific rationale for designing controlled drug delivery systems (2018) Basic Fundamentals of Drug Delivery, pp. 1-28. Cited 20 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082032761&doi=10.1016%2fB978-0-12-817909-3.00001-7&partnerID=40&md5=1bfe85bf75b086e5a6d083b786ddb521 DOI: 10.1016/B978-0-12-817909-3.00001-7 DOCUMENT TYPE: Book Chapter SOURCE: Scopus	
8	**Bioactive mesoporous silica nanostructures with anti-microbial and anti-biofilm properties, Balaure, PC; Boarca, B; Popescu, RC; Savu, D; Trusca, R; Vasile, BS; Grumezescu, AM; Holban, AM; Bolocan, A; Andronescu, E., International Journal Of Pharmaceutics, 2017, 531(1), 35-46, DOI10.1016/j.ijpharm.2017.08.062, WOS:000410648200004, Q1**	32
	Scopus EXPORT DATE:21 Apr 2024 Su, X., Li, B., Chen, S., Wang, X., Song, H., Shen, B., Zheng, Q., Yang, M., Yue, P. Pore engineering of micro/mesoporous nanomaterials for encapsulation, controlled release and variegated applications of essential oils (2024) Journal of Controlled Release, 367, pp. 107-134. Cited 1 time. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183205560&doi=10.1016%2fj.jconrel.2024.01.005&partnerID=40&md5=9b5ea3a8be8158c2f9368b995d72051c DOI: 10.1016/j.jconrel.2024.01.005 DOCUMENT TYPE: Review SOURCE: Scopus Cheng, M., Yan, X., Wang, X., Wang, Y., Zhao, P., Wang, J. Fabrication, Characterization, and Antifungal Assessment of Oregano Essential Oil-Loaded Nano-silica Against Curvularia lunata in Brown Rot of Agaricus bisporus Storage (2023) Food and Bioprocess Technology, 16 (12), pp. 2921-2934. Cited 1 time. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159323433&doi=10.1007%2fs11947-023-03125-x&partnerID=40&md5=8f3d9fba4f2669aedbd51f5e43290182 DOI: 10.1007/s11947-023-03125-x DOCUMENT TYPE: Article SOURCE: Scopus Natsheh, I.Y., Elkhader, M.T., Al-Bakheit, A.A., Alsaleh, M.M., El-Eswed, B.I., Hosein, N.F., Albadawi, D.K. Inhibition of Acinetobacter baumannii Biofilm Formation Using Different Treatments of Silica Nanoparticles (2023) Antibiotics, 12 (9), art. no. 1365, . Cited 2 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172272692&doi=10.3390%2fantibiotics12091365&partnerID=40&md5=b1404f5993698a9f5aa4c1d56da9fc16	

DOI: 10.3390/antibiotics12091365
DOCUMENT TYPE: Article
SOURCE: Scopus

Tornero-Gutiérrez, F., Ortiz-Ramírez, J.A., López-Romero, E., Cuéllar-Cruz, M.
Materials used to prevent adhesion, growth, and biofilm formation of Candida species
(2023) Medical Mycology, 61 (7), art. no. myad065, . Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166363955&doi=10.1093%2fmmy%2fmyad065&partnerID=40&md5=2444fedd881f685e9f88d69ab15ee4cc

DOI: 10.1093/mmy/myad065
DOCUMENT TYPE: Review
SOURCE: Scopus

Jafarzadeh, S., Forough, M., Kouzegaran, V.J., Zargar, M., Garavand, F., Azizi-Lalabadi, M., Abdollahi, M., Jafari, S.M.
Improving the functionality of biodegradable food packaging materials via porous nanomaterials
(2023) Comprehensive Reviews in Food Science and Food Safety, 22 (4), pp. 2850-2886. Cited 9 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156229278&doi=10.1111%2f1541-4337.13164&partnerID=40&md5=bd98fd4461d16c2604012ce15c1a8171

DOI: 10.1111/1541-4337.13164
DOCUMENT TYPE: Review
SOURCE: Scopus

Chakroun, Y., Snoussi, Y., Chehimi, M.M., Abderrabba, M., Savoie, J.-M., Oueslati, S.
Encapsulation of Ammoides pusila Essential Oil into Mesoporous Silica Particles for the Enhancement of Their Activity against Fusarium avenaceum and Its Enniatins Production
(2023) Molecules, 28 (7), art. no. 3194, . Cited 4 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152351494&doi=10.3390%2fmolecules28073194&partnerID=40&md5=713b46b49f19c54dc1dbf93e1bf6df1c

DOI: 10.3390/molecules28073194
DOCUMENT TYPE: Article
SOURCE: Scopus

Hirao, R., Shigetoh, K., Inagaki, S., Ishida, N.
Virus Inactivation Based on Optimal Surfactant Reservoir of Mesoporous Silica
(2023) ACS Applied Bio Materials, 6 (3), pp. 1032-1040. Cited 4 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148434745&doi=10.1021%2facsabm.2c00901&partnerID=40&md5=84aae1a9264799bf69f88a845c292940

DOI: 10.1021/acsabm.2c00901
DOCUMENT TYPE: Article
SOURCE: Scopus

Cui, Y., Zhang, R., Wang, L., Cheng, M., Guo, Y., Wang, X.
Quantitative study on release kinetics of thymol in food packaging films
(2023) Journal of Food Engineering, 340, art. no. 111307, . Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140141208&doi=10.1016%2fj.jfoodeng.2022.111307&partnerID=40&md5=a08b0243fa5566ded32f9af17e0e3cf1

DOI: 10.1016/j.jfoodeng.2022.111307
DOCUMENT TYPE: Article
SOURCE: Scopus

Arunachalam, K., Krishnan, G.P., Sethuraman, S., Abraham, S.V.P.I., Krishnan, S.T., Venkateswar, A., Arunkumar, J., Shi, C., MubarakAli, D.
Exploring Possible Ways to Enhance the Potential and Use of Natural Products through Nanotechnology in the Battle against Biofilms of Foodborne Bacterial Pathogens
(2023) Pathogens, 12 (2), art. no. 270, . Cited 3 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148731538&doi=10.3390%2fpathogens12020270&partnerID=40&md5=026633ed96b7b40d5b362e697a8e5d9f

DOI: 10.3390/pathogens12020270
DOCUMENT TYPE: Review
SOURCE: Scopus

Sil, M., Mukherjee, D., Goswami, A., Nag, M., Lahiri, D., Bhattacharya, D.
Antibiofilm activity of mesoporous silica nanoparticles against the biofilm associated infections
(2023) Naunyn-Schmiedeberg's Archives of Pharmacology, .
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178427994&doi=10.1007%2fs00210-023-02872-0&partnerID=40&md5=2939d3f1f20251ca28451fbefca39660

DOI: 10.1007/s00210-023-02872-0
DOCUMENT TYPE: Review
SOURCE: Scopus

Cui, Y., Zhang, R., Cheng, M., Guo, Y., Wang, X.
Sustained release and antioxidant activity of active potato starch packaging films encapsulating thymol with MCM-41
(2023) LWT, 173, art. no. 114342, . Cited 4 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145168801&doi=10.1016%2fj.lwt.2022.114342&partnerID=40&md5=a1bbff0af85afca98ad3a6f657c86178

DOI: 10.1016/j.lwt.2022.114342
DOCUMENT TYPE: Article
SOURCE: Scopus

Zhang, L., Gao, F., Ge, J., Li, H., Xia, F., Bai, H., Piao, X., Shi, L.
Potential of Aromatic Plant-Derived Essential Oils for the Control of Foodborne Bacteria and Antibiotic Resistance in Animal Production: A Review
(2022) Antibiotics, 11 (11), art. no. 1673, . Cited 9 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146273466&doi=10.3390%2fantibiotics11111673&partnerID=40&md5=c13346331aec0022b85c2e9fae8aa99e

DOI: 10.3390/antibiotics11111673
DOCUMENT TYPE: Review
SOURCE: Scopus

Didehdar, M., Chegini, Z., Tabaeian, S.P., Razavi, S., Shariati, A.
Cinnamomum: The New Therapeutic Agents for Inhibition of Bacterial and Fungal Biofilm-Associated Infection
(2022) Frontiers in Cellular and Infection Microbiology, 12, art. no. 930624, . Cited 9 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134695447&doi=10.3389%2ffcimb.2022.930624&partnerID=40&md5=6eb7cbe796f9c42430659a41403816ec

DOI: 10.3389/fcimb.2022.930624
DOCUMENT TYPE: Review
SOURCE: Scopus

Rathinavel, S., Indrakumar, J., Korrapati, P.S., Dharmalingam, S.
Synthesis and fabrication of amine functionalized SBA-15 incorporated PVA/Curcumin nanofiber for skin wound healing application
(2022) Colloids and Surfaces A: Physicochemical and Engineering Aspects, 637, art. no. 128185, . Cited 15 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123254805&doi=10.1016%2fj.colsurfa.2021.128185&partnerID=40&md5=af04d2c7c0b31a16a0d79de010355c42

DOI: 10.1016/j.colsurfa.2021.128185
DOCUMENT TYPE: Article
SOURCE: Scopus

Barve, S., Singh, N.V.V., Rasbhara, C., Sarkar, P., Jeelani, P.G., Mossa, A.-T., Chidambaram, R.
Silica-based nanocomposites for preservation of post-harvest produce
(2022) Nanotechnology Applications for Food Safety and Quality Monitoring, pp. 373-394.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151170898&doi=10.1016%2fB978-0-323-85791-8.00005-7&partnerID=40&md5=42a956fb48386f5625fdbadeae505d93

DOI: 10.1016/B978-0-323-85791-8.00005-7

DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Aghbolaghi, N., Maleki Dizaj, S., Negahdari, R., Jamei Khosroshahi, A.R., Rezaei, Y., Bohlouli, S., Ghavimi, M.A.
Effect of Adding Silica Nanoparticles on the Physicochemical Properties, Antimicrobial Action, and the Hardness of Dental Stone Type 4
(2022) International Journal of Dentistry, 2022, art. no. 4762017, . Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129912578&doi=10.1155%2f2022%2f4762017&partnerID=40&md5=09a87983815f08db3f46f4b0c1b5619e

DOI: 10.1155/2022/4762017
DOCUMENT TYPE: Article
SOURCE: Scopus

Asghar, S., Khan, I.U., Salman, S., Khalid, S.H., Ashfaq, R., Vandamme, T.F.
Plant-derived nanotherapeutic systems to counter the overgrowing threat of resistant microbes and biofilms
(2021) Advanced Drug Delivery Reviews, 179, art. no. 114019, . Cited 10 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118558832&doi=10.1016%2fj.addr.2021.114019&partnerID=40&md5=d046a2cdf3a4b9934e9ffe8646fc34c1

DOI: 10.1016/j.addr.2021.114019
DOCUMENT TYPE: Review
SOURCE: Scopus

Zhang, R., Cui, Y., Cheng, M., Guo, Y., Wang, X., Wang, J.
Antifungal activity and mechanism of cinnamon essential oil loaded into mesoporous silica nanoparticles
(2021) Industrial Crops and Products, 171, art. no. 113846, . Cited 31 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110558416&doi=10.1016%2fj.indcrop.2021.113846&partnerID=40&md5=1a5b1daabd88b39d5ef0f986289d0472

DOI: 10.1016/j.indcrop.2021.113846
DOCUMENT TYPE: Article
SOURCE: Scopus

Lu, W., Chen, M., Cheng, M., Yan, X., Zhang, R., Kong, R., Wang, J., Wang, X.
Development of antioxidant and antimicrobial bioactive films based on Oregano essential oil/mesoporous nano-silica/sodium alginate
(2021) Food Packaging and Shelf Life, 29, art. no. 100691, . Cited 42 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106620896&doi=10.1016%2fj.fpsl.2021.100691&partnerID=40&md5=11d2bd2f1c4e5855be56018379464343

DOI: 10.1016/j.fpsl.2021.100691
DOCUMENT TYPE: Article
SOURCE: Scopus

Cui, Y., Cheng, M., Han, M., Zhang, R., Wang, X.
Characterization and release kinetics study of potato starch nanocomposite films containing mesoporous nano-silica incorporated with Thyme essential oil
(2021) International Journal of Biological Macromolecules, 184, pp. 566-573. Cited 40 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109561880&doi=10.1016%2fj.ijbiomac.2021.06.134&partnerID=40&md5=af273ffb3bd50c3f7b1871809a6ccc5e

DOI: 10.1016/j.ijbiomac.2021.06.134
DOCUMENT TYPE: Article
SOURCE: Scopus

Qiu, S., Gao, F., Liang, Z., Zhong, X., Hao, L., Chen, H., Zhou, X., Zhou, H.
Rosin modified aminated mesoporous silica adsorbed tea tree oil sustained-release system for improve synergistic antibacterial and long-term antibacterial effects
(2021) Nanotechnology, 32 (27), art. no. 275707, . Cited 13 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105439140&doi=10.1088%2f1361-6528%2fabf26c&partnerID=40&md5=4e5d645b7fbdebf8cf6c302b96322ee7

DOI: 10.1088/1361-6528/abf26c
DOCUMENT TYPE: Article
SOURCE: Scopus

Hooshmand, S., Mollazadeh, S., Akrami, N., Ghanad, M., El-Fiqi, A., Baino, F., Nazarnezhad, S., Kargozar, S.
Mesoporous silica nanoparticles and mesoporous bioactive glasses for wound management: From skin regeneration to cancer therapy
(2021) Materials, 14 (12), art. no. 3337, . Cited 28 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127574881&doi=10.3390%2fma14123337&partnerID=40&md5=f9064235fce72d939b38ad76e5cce372

DOI: 10.3390/ma14123337
DOCUMENT TYPE: Review
SOURCE: Scopus

Lu, W., Cui, R., Zhu, B., Qin, Y., Cheng, G., Li, L., Yuan, M.
Influence of clove essential oil immobilized in mesoporous silica nanoparticles on the functional properties of poly(lactic acid) biocomposite food packaging film
(2021) Journal of Materials Research and Technology, 11, pp. 1152-1161. Cited 70 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103034914&doi=10.1016%2fj.jmrt.2021.01.098&partnerID=40&md5=01bf9e5b991e04278785d97644663c4c

DOI: 10.1016/j.jmrt.2021.01.098
DOCUMENT TYPE: Article
SOURCE: Scopus

Castillo, R.R., Vallet-Regí, M.
Recent advances toward the use of mesoporous silica nanoparticles for the treatment of bacterial infections
(2021) International Journal of Nanomedicine, 16, pp. 4409-4430. Cited 27 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109830930&doi=10.2147%2fIJN.S273064&partnerID=40&md5=fe39dc951a14c40077bdeccfc9987797

DOI: 10.2147/IJN.S273064
DOCUMENT TYPE: Review
SOURCE: Scopus

Memar, M.Y., Yekani, M., Ghanbari, H., Shahi, S., Sharifi, S., Maleki Dizaj, S.
Biocompatibility, cytotoxicity and antibacterial effects of meropenem-loaded mesoporous silica nanoparticles against carbapenem-resistant Enterobacteriaceae
(2020) Artificial Cells, Nanomedicine and Biotechnology, 48 (1), pp. 1354-1361. Cited 20 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096778063&doi=10.1080%2f21691401.2020.1850466&partnerID=40&md5=b2b65ff9aa349ed1d47ff3a8a11b7e33

DOI: 10.1080/21691401.2020.1850466
DOCUMENT TYPE: Article
SOURCE: Scopus

Barros, C.H.N., Casey, E.
A Review of Nanomaterials and Technologies for Enhancing the Antibiofilm Activity of Natural Products and Phytochemicals
(2020) ACS Applied Nano Materials, 3 (9), pp. 8537-8556. Cited 36 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094644713&doi=10.1021%2facsanm.0c01586&partnerID=40&md5=9d1b63ff5f25d631df4bc32a9d835382

DOI: 10.1021/acsanm.0c01586
DOCUMENT TYPE: Review
SOURCE: Scopus

Reichling, J.
Anti-biofilm and Virulence Factor-Reducing Activities of Essential Oils and Oil Components as a Possible Option for Bacterial Infection Control
(2020) Planta Medica, 86 (8), pp. 520-537. Cited 40 times.

	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085539496&doi=10.1055%2fa-1147-4671&partnerID=40&md5=96ebb55c870ab9472b06e62a89d3c70a DOI: 10.1055/a-1147-4671 DOCUMENT TYPE: Review SOURCE: Scopus Lakshmi, P., Pola, S. Mesoporous Silica Nanomaterials as Antibacterial and Antibiofilm Agents (2020) Nanotechnology in the Life Sciences, pp. 375-397. Cited 2 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102111147&doi=10.1007%2f978-3-030-40337-9_16&partnerID=40&md5=0e7403f76c5cdf5fd2b3fc60ae4cf2f5 DOI: 10.1007/978-3-030-40337-9_16 DOCUMENT TYPE: Book Chapter SOURCE: Scopus Seethalakshmi, P.S., Rajeev, R., Kiran, G.S., Selvin, J. Promising treatment strategies to combat Staphylococcus aureus biofilm infections: an updated review (2020) Biofouling, 36 (10), pp. 1159-1181. Cited 10 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097960769&doi=10.1080%2f08927014.2020.1857743&partnerID=40&md5=b337e7aaa2d16691fa48d9999547bd09 DOI: 10.1080/08927014.2020.1857743 DOCUMENT TYPE: Article SOURCE: Scopus Zhang, R., Cheng, M., Wang, X., Wang, J. Bioactive mesoporous nano-silica/potato starch films against molds commonly found in post-harvest white mushrooms (2019) Food Hydrocolloids, 95, pp. 517-525. Cited 55 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065834047&doi=10.1016%2fj.foodhyd.2019.04.060&partnerID=40&md5=1669727724931c33660c9ac6331b7f58 DOI: 10.1016/j.foodhyd.2019.04.060 DOCUMENT TYPE: Article SOURCE: Scopus Bernardos, A., Piacenza, E., Sancenón, F., Hamidi, M., Maleki, A., Turner, R.J., Martínez-Máñez, R. Mesoporous Silica-Based Materials with Bactericidal Properties (2019) Small, 15 (24), art. no. 1900669, . Cited 128 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065210458&doi=10.1002%2fsmll.201900669&partnerID=40&md5=96deb0d046f49f85dda3900599c27aa9 DOI: 10.1002/smll.201900669 DOCUMENT TYPE: Review SOURCE: Scopus Martínez-Carmona, M., Gun'ko, Y.K., Vallet-Regí, M. Mesoporous silica materials as drug delivery: "the nightmare" of bacterial infection (2018) Pharmaceutics, 10 (4), art. no. 279, . Cited 73 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059350009&doi=10.3390%2fpharmaceutics10040279&partnerID=40&md5=84ac2b4d5c2949af330794d8215c5d5a DOI: 10.3390/pharmaceutics10040279 DOCUMENT TYPE: Review SOURCE: Scopus	
9	**Biocompatible hybrid silica nanobiocomposites for the efficient delivery of anti-staphylococcal drugs, Balaure, P.C., Popa R.A., Grumezescu, A.M., Voicu, G., Rădulescu, M., Mogoantă, L., Balseanu, T.A., Mogoșanu, G.D., Chifiriuc, M.C., Bleotu C., Holban A.M., Bolocan, A., International Journal of Pharmaceutics, 2016, 510(2), 532-542, DOI10.1016/j.ijpharm.2016.03.037, WOS:000380754500016, Q1**	10

Scopus
EXPORT DATE:21 Apr 2024

Hudiță, A., Grumezescu, V., Gherasim, O., Grumezescu, A.M., Dorcioman, G., Negut, I., Oprea, O.-C., Vasile, B.Ú., Gălățeanu, B., Curuțiu, C., Holban, A.M.
MAPLE Processed Nanostructures for Antimicrobial Coatings
(2022) International Journal of Molecular Sciences, 23 (23), art. no. 15355, . Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143709536&doi=10.3390%2fijms232315355&partnerID=40&md5=24d33a86ed6a0d46811bdcc0802491d5

DOI: 10.3390/ijms232315355
DOCUMENT TYPE: Article
SOURCE: Scopus

Darbasizadeh, B., Feyzi-barnaji, B., Naderi, N.
Toxicity and biocompatibility of nanomaterials: In vivo studies
(2022) Emerging Nanomaterials and Nano-based Drug Delivery Approaches to Combat Antimicrobial Resistance, pp. 701-732.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137933301&doi=10.1016%2fB978-0-323-90792-7.00014-2&partnerID=40&md5=7866b5e3b752c2b434495c7a9e0f38ba

DOI: 10.1016/B978-0-323-90792-7.00014-2
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Zheng, S., Bawazir, M., Dhall, A., Kim, H.-E., He, L., Heo, J., Hwang, G.
Implication of Surface Properties, Bacterial Motility, and Hydrodynamic Conditions on Bacterial Surface Sensing and Their Initial Adhesion
(2021) Frontiers in Bioengineering and Biotechnology, 9, art. no. 643722, . Cited 299 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101811508&doi=10.3389%2ffbioe.2021.643722&partnerID=40&md5=8836ec205030434265e5bfc0bd4f4e52

DOI: 10.3389/fbioe.2021.643722
DOCUMENT TYPE: Review
SOURCE: Scopus

Teleanu, D.M., Chircov, C., Grumezescu, A.M., Teleanu, R.I.
Neurotoxicity of nanomaterials: An up-to-date overview
(2019) Nanomaterials, 9 (1), art. no. 96, . Cited 105 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060095593&doi=10.3390%2fnano9010096&partnerID=40&md5=62d7fd046114921c669394159a03e6be

DOI: 10.3390/nano9010096
DOCUMENT TYPE: Review
SOURCE: Scopus

Behzadi, F., Darouie, S., Alavi, S.M., Shariati, P., Singh, G., Dolatshahi-Pirouz, A., Arpanaei, A.
Stability and Antimicrobial Activity of Nisin-Loaded Mesoporous Silica Nanoparticles: A Game-Changer in the War against Maleficent Microbes
(2018) Journal of Agricultural and Food Chemistry, 66 (16), pp. 4233-4243. Cited 30 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045999741&doi=10.1021%2facs.jafc.7b05492&partnerID=40&md5=5cc6ad6969eff20d768ebe5bbc2b8340

DOI: 10.1021/acs.jafc.7b05492
DOCUMENT TYPE: Article
SOURCE: Scopus

Perni, S., Martini-Gilching, K., Prokopovich, P.
Controlling release kinetics of gentamicin from silica nano-carriers
(2018) Colloids and Surfaces A: Physicochemical and Engineering Aspects, 541, pp. 212-221. Cited 16 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041815538&doi=10.1016%2fj.colsurfa.2017.04.063&partnerID=40&md5=de400bbe990128b998d8081e1e087c3e

	DOI: 10.1016/j.colsurfa.2017.04.063 **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Fufă, O., Popescu, R.C., Gherasim, T.G., Grumezescu, A.M., Andronescu, E.** **Silver-based nanostructures for cancer therapy** **(2017) Nanostructures for Cancer Therapy, pp. 405-428.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040561981&doi=10.1016%2fB978-0-323-46144-3.00016-7&partnerID=40&md5=96784a642b3748590d2590140d28dc2b** **DOI: 10.1016/B978-0-323-46144-3.00016-7** **DOCUMENT TYPE: Book Chapter** **SOURCE: Scopus** **Cruz, J.M.G.D., Robidillo, C.J.T.** **Fluorescent tryptophan-doped silica microparticles prepared through a reverse microemulsion method** **(2017) Philippine Journal of Science, 146 (1), pp. 37-46.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066405703&partnerID=40&md5=9888a857f79db76b8b51b4e7aef2a1ad** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Maboudi, S.A., Shojaosadati, S.A., Arpanaei, A.** **Synthesis and characterization of multilayered nanobiohybrid magnetic particles for biomedical applications** **(2017) Materials and Design, 115, pp. 317-324. Cited 31 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84997521936&doi=10.1016%2fj.matdes.2016.11.064&partnerID=40&md5=31bda7c2361781b34994fe76a61e8ef1** **DOI: 10.1016/j.matdes.2016.11.064** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **de Carvalho, J.F., de Azevedo, Í.M., Rocha, K.B.F., Medeiros, A.C., Carriço, A.S.** **Oxacillin magnetically targeted for the treatment of Methicillin-Resistant S. Aureus infection in rats** **(2017) Acta Cirurgica Brasileira, 32 (1), pp. 46-55. Cited 5 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85013102372&doi=10.1590%2fs0102-865020170106&partnerID=40&md5=0b7447390b15502a99c2a8be27a4996f** **DOI: 10.1590/s0102-865020170106** **DOCUMENT TYPE: Article** **SOURCE: Scopus**	
10	**Functionalized magnetic nanoparticles for biomedical applications, Gudovan, D., Balaure, P.C. *, Mihaiescu, D.E., Fudulu, A., Purcareanu, B., Radu, M., Current Pharmaceutical Design, 2015, 21 (42), 6038-6054, DOI10.2174/1381612821666151027151702, WOS:000366196700002**	19
	Kharazmi, S., Taheri-Kafrani, A. Bi-enzymatic nanobiocatalyst based on immobilization of xylanase and pectinase onto functionalized magnetic nanoparticles for efficient fruit juice clarification (2023) LWT, 183, art. no. 114914, . Cited 5 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160726744&doi=10.1016%2fj.lwt.2023.114914&partnerID=40&md5=b9bcf32d75de2eb86968a021b88e99d8 DOI: 10.1016/j.lwt.2023.114914 DOCUMENT TYPE: Article SOURCE: Scopus Dash, S., Das, T., Patel, P., Panda, P.K., Suar, M., Verma, S.K. Emerging trends in the nanomedicine applications of functionalized magnetic nanoparticles as novel therapies for acute and chronic diseases (2022) Journal of Nanobiotechnology, 20 (1), art. no. 393, . Cited 14 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137039898&doi=10.1186%2fs12951-022-01595-3&partnerID=40&md5=208386c0375ecb09699341c146340450	

DOI: 10.1186/s12951-022-01595-3
DOCUMENT TYPE: Review
SOURCE: Scopus

Yi, J., Qiu, M., Zhu, Z., Dong, X., Andrew Decker, E., McClements, D.J.
Robust and recyclable magnetic nanobiocatalysts for extraction of anthocyanin from black rice
(2021) Food Chemistry, 364, art. no. 130447, . Cited 13 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108870241&doi=10.1016%2fj.foodchem.2021.130447&partnerID=40&md5=4cca30206080a16db0220017b0be708d

DOI: 10.1016/j.foodchem.2021.130447
DOCUMENT TYPE: Article
SOURCE: Scopus

Grillo, R., Fraceto, L.F.
Impacts of Magnetic Iron Oxide Nanoparticles in Terrestrial and Aquatic Environments
(2021) Toxicology of Nanoparticles and Nanomaterials in Human, Terrestrial and Aquatic Systems, pp. 147-164. Cited 5 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138785221&doi=10.1002%2f9781119316329.ch7&partnerID=40&md5=5bb7cb2ba1fa769911e463af902340f3

DOI: 10.1002/9781119316329.ch7
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Ghafarifar, F., Molaie, S., Abazari, R., Hasan, Z.-M., Foroutan, M.
Fe3O4@bio-MOF nanoparticles combined with artemisinin, glu-cantime®, or shark cartilage extract on iranian strain of leishmania major (MRHO/IR/75/ER): An in-vitro and in-vivo study
(2020) Iranian Journal of Parasitology, 15 (4), pp. 537-548. Cited 11 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097369999&partnerID=40&md5=7c9a9da4dcf1499f1a7b6b8dadb521f6

DOCUMENT TYPE: Article
SOURCE: Scopus

Eivazzadeh-Keihan, R., Bahojb Noruzi, E., Khanmohammadi Chenab, K., Jafari, A., Radinekiyan, F., Hashemi, S.M., Ahmadpour, F., Behboudi, A., Mosafer, J., Mokhtarzadeh, A., Maleki, A., Hamblin, M.R.
Metal-based nanoparticles for bone tissue engineering
(2020) Journal of Tissue Engineering and Regenerative Medicine, 14 (12), pp. 1687-1714. Cited 110 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091730433&doi=10.1002%2fterm.3131&partnerID=40&md5=a6e475515af27db51e572c320ac1694a

DOI: 10.1002/term.3131
DOCUMENT TYPE: Review
SOURCE: Scopus

Kharazmi, S., Taheri-Kafrani, A., Soozanipour, A., Nasrollahzadeh, M., Varma, R.S.
Xylanase immobilization onto trichlorotriazine-functionalized polyethylene glycol grafted magnetic nanoparticles: A thermostable and robust nanobiocatalyst for fruit juice clarification
(2020) International Journal of Biological Macromolecules, 163, pp. 402-413. Cited 25 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088863211&doi=10.1016%2fj.ijbiomac.2020.06.273&partnerID=40&md5=f40592a18f8edffafb6334f67cfc0fbd

DOI: 10.1016/j.ijbiomac.2020.06.273
DOCUMENT TYPE: Article
SOURCE: Scopus

Kharazmi, S., Taheri-Kafrani, A., Soozanipour, A.
Efficient immobilization of pectinase on trichlorotriazine-functionalized polyethylene glycol-grafted magnetic nanoparticles: A stable and robust nanobiocatalyst for fruit juice clarification
(2020) Food Chemistry, 325, art. no. 126890, . Cited 45 times.

https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088577125&doi=10.1016%2fj.foodchem.2020.126890&partnerID=40&md5=bb80387bcd2458c89073ca8df2999f86

DOI: 10.1016/j.foodchem.2020.126890
DOCUMENT TYPE: Article
SOURCE: Scopus

Kadu, K., Kowshik, M., Ramanan, S.R.
Effect of doping and surface functionalization on the conformational changes of protein upon interaction with hydroxyapatite nanoparticles
(2020) Biotechnology and Biological Sciences-Proceedings of the 3rd International Conference of Biotechnology and Biological Sciences, BIOSPECTRUM 2019, pp. 3-8. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85083400265&doi=10.1201%2f9781003001614-1&partnerID=40&md5=1cad343a822acf2e172fce43e45ded5d

DOI: 10.1201/9781003001614-1
DOCUMENT TYPE: Conference Paper
SOURCE: Scopus

Slimani, Y., Hannachi, E., Tombuloglu, H., Güner, S., Almessiere, M.A., Baykal, A., Aljafary, M.A., Al-Suhaimi, E.A., Nawaz, M., Ercan, I.
Magnetic nanoparticles based nanocontainers for biomedical application
(2019) Smart Nanocontainers: Micro and Nano Technologies, pp. 229-250. Cited 6 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094180135&doi=10.1016%2fB978-0-12-816770-0.00014-9&partnerID=40&md5=4e843335f7adaf2c54161804c68cd9ee

DOI: 10.1016/B978-0-12-816770-0.00014-9
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Li, G., Yu, B., Yang, B., Cong, H.
Applications of Fe3O4 magnetic-fluorescent nanoparticles in modern biomedical engineering
(2019) Materials for Biomedical Engineering: Bioactive Materials for Antimicrobial, Anticancer, and Gene Therapy, pp. 247-282.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094611780&doi=10.1016%2fB978-0-12-818435-6.00009-8&partnerID=40&md5=13d65d0d614f196811a28b2eb3a1839f

DOI: 10.1016/B978-0-12-818435-6.00009-8
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Kaliamurthi, S., Demir-Korkmaz, A., Selvaraj, G., Gokce-Polat, E., Wei, Y.-K., Almessiere, M.A., Baykal, A., Gu, K., Wei, D.-Q.
Viewing the emphasis on state-of-the-art magnetic nanoparticles: Synthesis, physical properties, and applications in cancer theranostics
(2019) Current Pharmaceutical Design, 25 (13), pp. 1505-1523. Cited 17 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071786189&doi=10.2174%2f1381612825666190523105004&partnerID=40&md5=86c8c74aedc7fe0777ef99c265764450

DOI: 10.2174/1381612825666190523105004
DOCUMENT TYPE: Review
SOURCE: Scopus

Fudulu, A., Purcareanu, B., Olariu, L., Meghea, A., Radu, M., Stan, L.G.R., Fierascu, R.C., Vasilievici, G., Istrati, D., Mihaiescu, D.E., Ene, D.M., Gudovan, I., Florea, M.A., Olariu, E., Papacocea, T., Dumitriu, B.G.
Antiproliferative effect of Fe3O4/Methotrexate nanoparticles on metastatic prostate carcinoma cells DU145
(2018) UPB Scientific Bulletin, Series B: Chemistry and Materials Science, 80 (3), pp. 3-12.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051209888&partnerID=40&md5=0509248bc3492b5986e1cadf50e37fac

DOCUMENT TYPE: Article
SOURCE: Scopus

Ardelean, I.L., Ficai, D., Ficai, A., Nechifor, G., Dragu, D., Bleotu, C.
Synthesis and characterization of new magnetite nanoparticles by using the different amino acids such as stabilizing agents
(2018) UPB Scientific Bulletin, Series B: Chemistry and Materials Science, 80 (1), pp. 33-46. Cited 3 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042845254&partnerID=40&md5=365569de26d6aedbeede6e41f873b053

DOCUMENT TYPE: Article
SOURCE: Scopus

Wong, J., Prout, J., Seifalian, A.
Magnetic nanoparticles: New perspectives in drug delivery
(2017) Current Pharmaceutical Design, 23 (20), pp. 2908-2917. Cited 38 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85029621162&doi=10.2174%2f1381612823666170215104659&partnerID=40&md5=77901ec2159f3c9cd69df0ba2d614088

DOI: 10.2174/1381612823666170215104659
DOCUMENT TYPE: Review
SOURCE: Scopus

Şendemir Ürkmez, A., Bayir, E., Bilgi, E., Özen, M.Ö.
Biocompatible polymeric coatings do not inherently reduce the cytotoxicity of iron oxide nanoparticles
(2017) Turkish Journal of Biology, 41 (2), pp. 322-332. Cited 4 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85018847841&doi=10.3906%2fbiy-1608-61&partnerID=40&md5=fc287b6d6c16c79f33a9529018d99d2f

DOI: 10.3906/biy-1608-61
DOCUMENT TYPE: Article
SOURCE: Scopus

Chakraborty, S., Jagan Mohan Rao, T., Goyal, A.
Immobilization of recombinant pectate lyase from Clostridium thermocellum ATCC-27405 on magnetic nanoparticles for bioscouring of cotton fabric
(2017) Biotechnology Progress, 33 (1), pp. 236-244. Cited 16 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84995646197&doi=10.1002%2fbtpr.2379&partnerID=40&md5=d19fa683fc2c1b90cc188d3ee8f8db14

DOI: 10.1002/btpr.2379
DOCUMENT TYPE: Article
SOURCE: Scopus

Farzin, A., Emadi, R., Fathi, M.
Novel sol–gel-derived hardystonite-based biomagnetic nanoparticles for hyperthermia applications
(2016) Journal of Sol-Gel Science and Technology, 80 (2), pp. 402-410. Cited 15 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84973596388&doi=10.1007%2fs10971-016-4100-6&partnerID=40&md5=dc37004f39ce6a40b90b7e08480bf160

DOI: 10.1007/s10971-016-4100-6
DOCUMENT TYPE: Article
SOURCE: Scopus

Zhong, J.
Nanotechnology for drug delivery: Part III
(2015) Current Pharmaceutical Design, 21 (42), p. 6037. Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84957583326&doi=10.2174%2f1381612821421512071456 57&partnerID=40&md5=40cd856331f269a75318efa907be4a53

DOI: 10.2174/1381612821421512071456 57
DOCUMENT TYPE: Editorial
SOURCE: Scopus

11	**Smart synthetic polymer nanocarriers for controlled and site-specific drug delivery, Balaure, P.C., Grumezescu, A.M., Current Topics in Medicinal Chemistry, 2015, 15 (15), 1424-1490, WOS:000355196100002**	18
	Desmond, L., Margini, S., Barchiesi, E., Pontrelli, G., Phan, A.N., Gentile, P. **Layer-by-layer assembly of nanotheranostic particles for simultaneous delivery of docetaxel and doxorubicin to target osteosarcoma** **(2024) APL Bioengineering, 8 (1), art. no. 016113, .** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85186381624&doi=10.1063%2f5.0180831&partnerID=40&md5=9d164d7061c81a6023784b6a6a72e05d** **DOI: 10.1063/5.0180831** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Shi, P., Cheng, Z., Zhao, K., Chen, Y., Zhang, A., Gan, W., Zhang, Y.** **Active targeting schemes for nano-drug delivery systems in osteosarcoma therapeutics** **(2023) Journal of Nanobiotechnology, 21 (1), art. no. 103, . Cited 21 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150892516&doi=10.1186%2fs12951-023-01826-1&partnerID=40&md5=ac3603e543771608a41c867a8f7efac4** **DOI: 10.1186/s12951-023-01826-1** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Rao, G.S.N.K., Alavala, R.R., Sivadasu, P., Budha, R.R., Yadav, K.S.** **Quantum dots in diagnostic imaging** **(2023) Green Sustainable Process for Chemical and Environmental Engineering and Science: Recent Advances in Nanocarriers, pp. 141-167.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161945438&doi=10.1016%2fB978-0-323-95171-5.00007-8&partnerID=40&md5=76c1b9ca379ae3b47ce8ef8025415aec** **DOI: 10.1016/B978-0-323-95171-5.00007-8** **DOCUMENT TYPE: Book Chapter** **SOURCE: Scopus** **Iudin, D., Vasilieva, M., Knyazeva, E., Korzhikov-Vlakh, V., Demyanova, E., Lavrentieva, A., Skorik, Y., Korzhikova-Vlakh, E.** **Hybrid Nanoparticles and Composite Hydrogel Systems for Delivery of Peptide Antibiotics** **(2022) International Journal of Molecular Sciences, 23 (5), art. no. 2771, . Cited 8 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125417388&doi=10.3390%2fijms23052771&partnerID=40&md5=34204b7d0647892cfcad493168fa8a63** **DOI: 10.3390/ijms23052771** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Subham, J.N., Somanna, P., Patil, A.B.** **Application of Quantum Dots in Drug Delivery** **(2022) Nanoscience and Nanotechnology - Asia, 12 (1), art. no. e070921191305, . Cited 3 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116149117&doi=10.2174%2f2210681211666210211092823&partnerID=40&md5=646b51f4f8ecc77e20c878c046852c15** **DOI: 10.2174/2210681211666210211092823** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Feng, H., Liu, Y., Dong, Y., Yu, X., Gong, K.** **Preparation of Reduction-Responsive Liver-Targeted Polymeric Micelles and Their Drug-Loading Properties [还原响应性肝靶向聚合物胶束的制备及其载药性能]** **(2022) Journal of Functional Polymers, 35 (6), pp. 566-574. Cited 1 time.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163604052&doi=10.14133%2fj.cnki.1008-9357.20220329001&partnerID=40&md5=1afde35c841620017a8c123a55802462**	

DOI: 10.14133/j.cnki.1008-9357.20220329001
DOCUMENT TYPE: Article
SOURCE: Scopus

Das, S., Ranjan, O.P., Rao, V., Ravichandiran, V., Kumar, N.
Multifunctional liposome-quantum dot hybrid nanocarriers for drug targeting to brain tumors
(2022) Nanocarriers for Drug-Targeting Brain Tumors, pp. 649-677. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137563204&doi=10.1016%2fB978-0-323-90773-6.00020-8&partnerID=40&md5=e5fb9174a0921d3c79639fd5d33ca8a4

DOI: 10.1016/B978-0-323-90773-6.00020-8
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Pamidimarri, S.D.V.N., Velramar, B., Madavi, T., Pandey, S., Ratre, Y.K., Sharma, P.K., Chauhan, S.
Quantum Dots: Characteristics and Prospects from Diagnosis to Treatment
(2022) Nanotechnology in the Life Sciences, pp. 175-204. Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125930566&doi=10.1007%2f978-3-030-82918-6_8&partnerID=40&md5=01b5e3cf6945ad71b824290f54fa759b

DOI: 10.1007/978-3-030-82918-6_8
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Ginghină, O., Hudiță, A., Zaharia, C., Tsatsakis, A., Mezhuev, Y., Costache, M., Gălățeanu, B.
Current landscape in organic nanosized materials advances for improved management of colorectal cancer patients
(2021) Materials, 14 (9), art. no. 2440, . Cited 12 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106555236&doi=10.3390%2fma14092440&partnerID=40&md5=bb5579412aab6b4a9b94a8d556eb942f

DOI: 10.3390/ma14092440
DOCUMENT TYPE: Review
SOURCE: Scopus

Zhang, L.-P., Liu, Z.
Stimuli Responsive Imprinted DDS
(2021) Molecularly Imprinted Polymers as Advanced Drug Delivery Systems: Synthesis, Character and Application, pp. 93-109.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150104980&doi=10.1007%2f978-981-16-0227-6_5&partnerID=40&md5=5104dfac2f0c41629579be892918ad55

DOI: 10.1007/978-981-16-0227-6_5
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Abasian, P., Ghanavati, S., Rahebi, S., Nouri Khorasani, S., Khalili, S.
Polymeric nanocarriers in targeted drug delivery systems: A review
(2020) Polymers for Advanced Technologies, 31 (12), pp. 2939-2954. Cited 39 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089098194&doi=10.1002%2fpat.5031&partnerID=40&md5=09d01af14baa012160f9b4811dc08006

DOI: 10.1002/pat.5031
DOCUMENT TYPE: Review
SOURCE: Scopus

Aladesuyi, O.A., Oluwafemi, O.S.
Synthesis strategies and application of ternary quantum dots — in cancer therapy
(2020) Nano-Structures and Nano-Objects, 24, art. no. 100568, . Cited 17 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090326112&doi=10.1016%2fj.nanoso.2020.100568&partnerID=40&md5=7d60c4f2481df632786c49cc512c142f

DOI: 10.1016/j.nanoso.2020.100568
DOCUMENT TYPE: Review

SOURCE: Scopus

Samavedi, S., Joy, N.
Identifying specific combinations of matrix properties that promote controlled and sustained release of a hydrophobic drug from electrospun meshes
(2020) ACS Omega, 5 (26), pp. 15865-15876. Cited 11 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087886606&doi=10.1021%2facsomega.0c00954&partnerID=40&md5=a17cdecda0d586896c838c62e592995e

DOI: 10.1021/acsomega.0c00954
DOCUMENT TYPE: Article
SOURCE: Scopus

Dragicevic, N., Maibach, H.
Combined use of nanocarriers and physical methods for percutaneous penetration enhancement
(2018) Advanced Drug Delivery Reviews, 127, pp. 58-84. Cited 73 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046151153&doi=10.1016%2fj.addr.2018.02.003&partnerID=40&md5=c715743ae2054a3e7361ac303a4db31c

DOI: 10.1016/j.addr.2018.02.003
DOCUMENT TYPE: Article
SOURCE: Scopus

Maitz, M.F., Zitzmann, J., Hanke, J., Renneberg, C., Tsurkan, M.V., Sperling, C., Freudenberg, U., Werner, C.
Adaptive release of heparin from anticoagulant hydrogels triggered by different blood coagulation factors
(2017) Biomaterials, 135, pp. 53-61. Cited 35 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85018330987&doi=10.1016%2fj.biomaterials.2017.04.044&partnerID=40&md5=0c81ec93b8c9abf9a52ff394d06b288e

DOI: 10.1016/j.biomaterials.2017.04.044
DOCUMENT TYPE: Article
SOURCE: Scopus

Dan, N.
Bilayer degradation in reactive environments
(2017) AIMS Biophysics, 4 (1), pp. 33-42.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85018626069&doi=10.3934%2fbiophy.2017.1.33&partnerID=40&md5=fe81229d6e36c90858cd083377776916

DOI: 10.3934/biophy.2017.1.33
DOCUMENT TYPE: Article
SOURCE: Scopus

Zhao, M.-X., Zhu, B.-J.
The Research and Applications of Quantum Dots as Nano-Carriers for Targeted Drug Delivery and Cancer Therapy
(2016) Nanoscale Research Letters, 11 (1), art. no. 207, . Cited 151 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84964260851&doi=10.1186%2fs11671-016-1394-9&partnerID=40&md5=7879181c06bf621d3b712e70195b6888

DOI: 10.1186/s11671-016-1394-9
DOCUMENT TYPE: Review
SOURCE: Scopus

Al Asmari, A.K., Ullah, Z., Tariq, M., Fatani, A.
Preparation, characterization, and in vivo evaluation of intranasally administered liposomal formulation of donepezil
(2016) Drug Design, Development and Therapy, 10, pp. 205-215. Cited 124 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84955139262&doi=10.2147%2fDDDT.S93937&partnerID=40&md5=72d13d05b1b95691f6a971a4a173fc0b

	DOI: 10.2147/DDDT.S93937 **DOCUMENT TYPE: Article** **SOURCE: Scopus**	
12	**Methods for synthesizing the macromolecular components of smart nanosized carriers for controlled drug delivery, Balaure P.C., Grumezescu A.M., Current Medicinal Chemistry, 2014, 21 (29), 3333-3374, WOS:000341968600004, Q1**	8
	Li, X., Chen, Y., Xu, J., Lynch, I., Guo, Z., Xie, C., Zhang, P. **Advanced nanopesticides: Advantage and action mechanisms** **(2023) Plant Physiology and Biochemistry, 203, art. no. 108051, . Cited 7 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173242771&doi=10.1016%2fj.plaphy.2023.108051&partnerID=40&md5=f79fffe339fab4ce65a159540ef4a679** **DOI: 10.1016/j.plaphy.2023.108051** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Li, Q., Zhao, R., Lu, Z., Xiao, L., Hou, L.** **Energy transfer photocatalyst enabled by covalent organic framework induced reversible complexation-mediated polymerization under white LED light irradiation and the mechanism study** **(2022) Materials Today Chemistry, 26, art. no. 101253, . Cited 2 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143252308&doi=10.1016%2fj.mtchem.2022.101253&partnerID=40&md5=41ef938630fd10d42a17e07e0f088543** **DOI: 10.1016/j.mtchem.2022.101253** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Aziz, T., Ullah, A., Ali, A., Shabeer, M., Shah, M.N., Haq, F., Iqbal, M., Ullah, R., Khan, F.U.** **Manufactures of bio-degradable and bio-based polymers for bio-materials in the pharmaceutical field** **(2022) Journal of Applied Polymer Science, 139 (29), art. no. e52624, . Cited 37 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130496480&doi=10.1002%2fapp.52624&partnerID=40&md5=c1d5186b5362dc3918a22d0b43c13219** **DOI: 10.1002/app.52624** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Del Prado-Audelo, M.L., Bernal-Chávez, S.A., Gutiérrez-Ruíz, S.C., Hernández-Parra, H., Kerdan, I.G., Reyna-González, J.M., Sharifi-Rad, J., Leyva-Gómez, G.** **Stability Phenomena Associated with the Development of Polymer-Based Nanopesticides** **(2022) Oxidative Medicine and Cellular Longevity, 2022, art. no. 5766199, . Cited 8 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129408427&doi=10.1155%2f2022%2f5766199&partnerID=40&md5=aabc06a4a6d318f96581b76b29ee5ffb** **DOI: 10.1155/2022/5766199** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Yadav, J., Jasrotia, P., Kashyap, P.L., Bhardwaj, A.K., Kumar, S., Singh, M., Singh, G.P.** **Nanopesticides: Current status and scope for their application in agriculture** **(2022) Plant Protection Science, 58 (1), pp. 1-17. Cited 22 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123514464&doi=10.17221%2f102%2f2020-PPS&partnerID=40&md5=9cfd068e92d34a8a2887bb07c473ed4c** **DOI: 10.17221/102/2020-PPS** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Malytskyi, V., Moreau, J., Callewaert, M., Rigaux, G., Cadiou, C., Laurent, S., Chuburu, F.** **Organic nanoparticles and gadolinium chelates: seeking hypersensitive probes for T1 magnetic resonance**	

	imaging **(2019) Materials for Biomedical Engineering: Organic Micro and Nanostructures, pp. 425-476. Cited 1 time.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127018436&doi=10.1016%2fB978-0-12-818433-2.00013-3&partnerID=40&md5=542a4b461f792f32106354fd27b723d5** **DOI: 10.1016/B978-0-12-818433-2.00013-3** **DOCUMENT TYPE: Book Chapter** **SOURCE: Scopus** **Veiga, M.-D., Ruiz-Caro, R., Notario-Pérez, F., Martín-Illana, A., Cazorla-Luna, R.** **Hydrogels** **(2018) Design and Development of New Nanocarriers, pp. 509-554. Cited 1 time.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078745296&doi=10.1016%2fB978-0-12-813627-0.00014-4&partnerID=40&md5=6bfce03918962c9ec9404c4850c1cc50** **DOI: 10.1016/B978-0-12-813627-0.00014-4** **DOCUMENT TYPE: Book Chapter** **SOURCE: Scopus** **Bashmakov, Y.K., Petyaev, I.M.** **Dendrimers, Carotenoids, and Monoclonal Antibodies** **(2017) Monoclonal Antibodies in Immunodiagnosis and Immunotherapy, 36 (5), pp. 208-213. Cited 3 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032010745&doi=10.1089%2fmab.2017.0032&partnerID=40&md5=8c150f2c5ed86048eede86df3cb1402f** **DOI: 10.1089/mab.2017.0032** **DOCUMENT TYPE: Article** **SOURCE: Scopus**	
13	**Water dispersible cross-linked magnetic chitosan beads for increasing the antimicrobial efficiency of aminoglycoside antibiotics, Grumezescu, A.M., Andronescu, E., Holban, A.M., Ficai, A., Ficai, D., Voicu, G., Grumezescu, V., Balaure, P.C.*, Chifiriuc, C.M., International Journal of Pharmaceutics, 454 (1), 2013, 233-240, DOI10.1016/j.ijpharm.2013.06.054, WOS:000323854600028, Q1**	70
	Scopus EXPORT DATE:21 Apr 2024 Gao, Y., Wang, H., Niu, X. A hydrogen-bonded curdlan-chitosan/polyvinyl alcohol edible dual functional hydrogel bandage against MRSA promotes wound healing (2024) International Journal of Biological Macromolecules, 259, art. no. 129351, . https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182510778&doi=10.1016%2fj.ijbiomac.2024.129351&partnerID=40&md5=25c1cffc590587791b80e774d1a15854 DOI: 10.1016/j.ijbiomac.2024.129351 DOCUMENT TYPE: Article SOURCE: Scopus Kharga, K., Jha, S., Vishwakarma, T., Kumar, L. Current developments and prospects of the antibiotic delivery systems (2024) Critical Reviews in Microbiology, . https://www.scopus.com/inward/record.uri?eid=2-s2.0-85186924831&doi=10.1080%2f1040841X.2024.2321480&partnerID=40&md5=3a159e6a7157f48943ac1d9b344f6899 DOI: 10.1080/1040841X.2024.2321480 DOCUMENT TYPE: Review SOURCE: Scopus Shahadat, M., Jha, A., Shahid-ul-Islam, Adnan, R., Ali, S.W., Ismail, I.M.I., Oves, M., Ahammad, S.Z. Recent advances in chitosan-polyaniline based nanocomposites for environmental applications: A review (2022) Polymer, 254, art. no. 124975, . Cited 22 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132705592&doi=10.1016%2fj.polymer.2022.124975&partnerID=40&md5=2579d61ec6bf58e93dbca8b42e4124e9	

DOI: 10.1016/j.polymer.2022.124975
DOCUMENT TYPE: Review
SOURCE: Scopus

Xu, X., Zheng, J., He, Y., Lin, K., Li, S., Zhang, Y., Song, P., Zhou, Y., Chen, X.
Nanocarriers for Inner Ear Disease Therapy
(2021) Frontiers in Cellular Neuroscience, 15, art. no. 791573, . Cited 9 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121379067&doi=10.3389%2ffncel.2021.791573&partnerID=40&md5=89cf1df93da9b36fdc53f655452a1085

DOI: 10.3389/fncel.2021.791573
DOCUMENT TYPE: Review
SOURCE: Scopus

Corbu, V.M., Gheorghe, I., Marinaș, I.C., Geană, E.I., Moza, M.I., Csutak, O., Chifiriuc, M.C.
Demonstration of allium sativum extract inhibitory effect on biodeteriogenic microbial strain growth, biofilm development, and enzymatic and organic acid production
(2021) Molecules, 26 (23), art. no. 7195, . Cited 20 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120657468&doi=10.3390%2fmolecules26237195&partnerID=40&md5=68300dc579a649739c172ae404a7475c

DOI: 10.3390/molecules26237195
DOCUMENT TYPE: Article
SOURCE: Scopus

Mirda, E., Idroes, R., Khairan, K., Tallei, T.E., Ramli, M., Earlia, N., Maulana, A., Idroes, G.M., Muslem, M., Jalil, Z.
Synthesis of silver nanoparticles–chitosan composite particles spheres and their antimicrobial activities
(2021) Polymers, 13 (22), art. no. 3990, . Cited 24 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119717509&doi=10.3390%2fpolym13223990&partnerID=40&md5=5792ac81ff0b0120b104e576b8df7146

DOI: 10.3390/polym13223990
DOCUMENT TYPE: Article
SOURCE: Scopus

Cooper, O., Tiralongo, J.
Profiling Carbohydrate-Protein Interaction Using Nanotechnology
(2021) Comprehensive Glycoscience: Second Edition, pp. 538-565. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118160149&doi=10.1016%2fB978-0-12-819475-1.00012-2&partnerID=40&md5=bf622128370cb667e845685eab84e7cc

DOI: 10.1016/B978-0-12-819475-1.00012-2
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Mosaiab, T., Farr, D.C., Kiefel, M.J., Houston, T.A.
Carbohydrate Modified Non-Metallic Nanomaterials and Their Application Against Infectious Diseases
(2021) Comprehensive Glycoscience: Second Edition, pp. 406-432.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118115310&doi=10.1016%2fB978-0-12-819475-1.00096-1&partnerID=40&md5=c1ac86bc386a43ea3fa31f307c26efea

DOI: 10.1016/B978-0-12-819475-1.00096-1
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Gheorghe, D.C., Niculescu, A.-G., Bîrcă, A.C., Grumezescu, A.M.
Nanoparticles for the treatment of inner ear infections
(2021) Nanomaterials, 11 (5), art. no. 1311, . Cited 17 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105821752&doi=10.3390%2fnano11051311&partnerID=40&md5=45749c73b131732a0d8105e5d59078eb

DOI: 10.3390/nano11051311
DOCUMENT TYPE: Article

SOURCE: Scopus

Gherasim, O., Grumezescu, A.M., Ficai, A., Grumezescu, V., Holban, A.M., Gălățeanu, B., Hudiță, A.
Composite p(3hb-3hv)-cs spheres for enhanced antibiotic efficiency
(2021) Polymers, 13 (6), art. no. 989, . Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103826410&doi=10.3390%2fpolym13060989&partnerID=40&md5=5f9ec3c650a97140ccc548a3808dc12a

DOI: 10.3390/polym13060989
DOCUMENT TYPE: Article
SOURCE: Scopus

Vlad, I.M., Nuță, D.C., Ancuceanu, R.V., Caproiou, M.T., Dumitrascu, F., Marinas, I.C., Chifiriuc, M.C., Măruţescu, L.G., Zarafu, I., Papacocea, I.R., Vasile, B.Ș., Nicoară, A.I., Ilie, C.-I., Ficai, A., Limban, C.
New o-aryl-carbamoyl-oxymino-fluorene derivatives with mi-crobicidal and antibiofilm activity enhanced by combination with iron oxide nanoparticles
(2021) Molecules, 26 (10), art. no. 3002, . Cited 6 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106871341&doi=10.3390%2fmolecules26103002&partnerID=40&md5=f85418da4cc67d0c26e1ae148ba6ef3d

DOI: 10.3390/molecules26103002
DOCUMENT TYPE: Article
SOURCE: Scopus

Rani, P., Johar, R., Jassal, P.S.
Adsorption of nickel (II) ions from wastewater using glutaraldehyde cross-linked magnetic chitosan beads: Isotherm, kinetics and thermodynamics
(2020) Water Science and Technology, 82 (10), pp. 2193-2202. Cited 9 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097211284&doi=10.2166%2fwst.2020.459&partnerID=40&md5=0a32ec8367c36a927e6f59dd4ec82d7e

DOI: 10.2166/wst.2020.459
DOCUMENT TYPE: Article
SOURCE: Scopus

Jaid, G.M., Bohan, A.J., Salman, G.K.
Artificial neural network modeling for removal of Cd (II) and Pb (II) from wastewater by using three ferrite nanomaterials (Cu0.9Zn0.1Fe2O4, Cu0.8Zn0.2Fe2O4, and Cu0.7Zn0.3Fe2O4) and study the antimicrobial effectiveness of these ferrite substances
(2020) Revista de Chimie, 71 (10), pp. 67-80. Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096460743&doi=10.37358%2fRC.20.10.8351&partnerID=40&md5=29d1b628368cb285fc6af96da86a3290

DOI: 10.37358/RC.20.10.8351
DOCUMENT TYPE: Article
SOURCE: Scopus

Negut, I., Grumezescu, V., Grumezescu, A.M., Bîrcă, A.C., Holban, A.M., Urzica, I., Avramescu, S.M., Gălăţeanu, B., Hudiţă, A.
Nanostructured thin coatings containing anthriscus sylvestris extract with dual bioactivity
(2020) Molecules, 25 (17), art. no. 25173866, . Cited 6 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090014926&doi=10.3390%2fmolecules25173866&partnerID=40&md5=7793cae17190d04863fd8dd49eb9e138

DOI: 10.3390/molecules25173866
DOCUMENT TYPE: Article
SOURCE: Scopus

Zheng, C., Zheng, H., Hu, C., Wang, Y., Wang, Y., Zhao, C., Ding, W., Sun, Q.
Structural design of magnetic biosorbents for the removal of ciprofloxacin from water
(2020) Bioresource Technology, 296, art. no. 122288, . Cited 64 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074137377&doi=10.1016%2fj.biortech.2019.122288&partnerID=40&md5=eddf0d143b56fb6813575f1bf0340b09

DOI: 10.1016/j.biortech.2019.122288
DOCUMENT TYPE: Article
SOURCE: Scopus

Chirgwin, M.E., Dedloff, M.R., Holban, A.M., Gestal, M.C.
Novel therapeutic strategies applied to pseudomonas aeruginosa infections in Cystic fibrosis
(2019) Materials, 12 (24), art. no. 4093, . Cited 15 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079631037&doi=10.3390%2fMA12244093&partnerID=40&md5=7d4210c66e8dd7bc7d6978c3dc23dc87

DOI: 10.3390/MA12244093
DOCUMENT TYPE: Review
SOURCE: Scopus

Moleavin, I.-A.T., Fifere, A., Lungoci, A.-L., Rosca, I., Coroaba, A., Peptanariu, D., Nastasa, V., Pasca, S.-A., Bostanaru, A.-C., Mares, M., Pinteala, M.
In vitro and in vivo antioxidant activity of the new magnetic-cerium oxide nanoconjugates
(2019) Nanomaterials, 9 (11), art. no. 1565, . Cited 24 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075009609&doi=10.3390%2fnano9111565&partnerID=40&md5=d68636b35a3f9055942f526d18e1824c

DOI: 10.3390/nano9111565
DOCUMENT TYPE: Article
SOURCE: Scopus

Mosaiab, T., Farr, D.C., Kiefel, M.J., Houston, T.A.
Carbohydrate-based nanocarriers and their application to target macrophages and deliver antimicrobial agents
(2019) Advanced Drug Delivery Reviews, 151-152, pp. 94-129. Cited 70 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074394656&doi=10.1016%2fj.addr.2019.09.002&partnerID=40&md5=86d1fe25b348005c098cd87db6d65a0f

DOI: 10.1016/j.addr.2019.09.002
DOCUMENT TYPE: Review
SOURCE: Scopus

Grumezescu, V., Gherasim, O., Negut, I., Banita, S., Holban, A.M., Florian, P., Icriverzi, M., Socol, G.
Nanomagnetite-embedded PLGA spheres for multipurpose medical applications
(2019) Materials, 12 (16), art. no. 2521, . Cited 10 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070553665&doi=10.3390%2fma12162521&partnerID=40&md5=edfc01b398d98361a5f7350102f41253

DOI: 10.3390/ma12162521
DOCUMENT TYPE: Article
SOURCE: Scopus

Visan, A.I., Popescu-Pelin, G., Gherasim, O., Grumezescu, V., Socol, M., Zgura, I., Florica, C., Popescu, R.C., Savu, D., Holban, A.M., Cristescu, R., Matei, C.E., Socol, G.
Laser processed antimicrobial nanocomposite based on polyaniline grafted lignin loaded with Gentamicin-functionalized magnetite
(2019) Polymers, 11 (2), art. no. 283, . Cited 14 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061184244&doi=10.3390%2fpolym11020283&partnerID=40&md5=56d93664332742b7999f3e4d71ba1445

DOI: 10.3390/polym11020283
DOCUMENT TYPE: Article
SOURCE: Scopus

Chen, B., Xie, H., Zhang, A., Liu, N., Li, Q., Guo, J., Su, B.
Synthesis of PEI-Functionalized Magnetic Nanoparticles for Capturing Bacteria
(2019) Journal Wuhan University of Technology, Materials Science Edition, 34 (1), pp. 236-242. Cited 7 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061771178&doi=10.1007%2fs11595-019-2041-y&partnerID=40&md5=6f53d0921fcb8c0ddc83606038674266

DOI: 10.1007/s11595-019-2041-y
DOCUMENT TYPE: Article

SOURCE: Scopus

Krishnamoorthy, G., Pugazhenthi, G., Ramaiah, D.
Resorbable polymer matrices: Chitosan-substituted collagen-based biomaterials
(2019) Materials for Biomedical Engineering: Absorbable Polymers, pp. 245-278. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094562613&doi=10.1016%2fB978-0-12-818415-8.00009-7&partnerID=40&md5=ac9b2971dd27ba8707930d42255fa5a7

DOI: 10.1016/B978-0-12-818415-8.00009-7
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Wang, C., Cen, C., Qu, X., Wang, J., Luo, C., Li, M., Liu, X., Jiang, D., Jiang, L., Wu, J.
Superparamagnetic chitosan nanoparticles for a vancomycin delivery system: Optimized fabrication and in vitro characterization
(2019) Journal of Biomedical Nanotechnology, 15 (10), pp. 2121-2129. Cited 3 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071614754&doi=10.1166%2fjbn.2019.2831&partnerID=40&md5=b34eaec12bbd960e884cf517cafaa633

DOI: 10.1166/jbn.2019.2831
DOCUMENT TYPE: Article
SOURCE: Scopus

Dendisová, M., Jeništová, A., Parchaňská-Kokaislová, A., Matějka, P., Prokopec, V., Švecová, M.
The use of infrared spectroscopic techniques to characterize nanomaterials and nanostructures: A review
(2018) Analytica Chimica Acta, 1031, pp. 1-14. Cited 52 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047429585&doi=10.1016%2fj.aca.2018.05.046&partnerID=40&md5=83f6849030ddc4288739e52c15d73a9c

DOI: 10.1016/j.aca.2018.05.046
DOCUMENT TYPE: Review
SOURCE: Scopus

Negut, I., Grumezescu, V., Ficai, A., Grumezescu, A.M., Holban, A.M., Popescu, R.C., Savu, D., Vasile, B.S., Socol, G.
MAPLE deposition of Nigella sativa functionalized Fe 3 O 4 nanoparticles for antimicrobial coatings
(2018) Applied Surface Science, 455, pp. 513-521. Cited 24 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048568744&doi=10.1016%2fj.apsusc.2018.05.202&partnerID=40&md5=9fea694e4a5582907a6be6416d52f500

DOI: 10.1016/j.apsusc.2018.05.202
DOCUMENT TYPE: Article
SOURCE: Scopus

Ficai, D., Grumezescu, V., Fufă, O.M., Popescu, R.C., Holban, A.M., Ficai, A., Grumezescu, A.M., Mogoanta, L., Mogosanu, G.D., Andronescu, E.
Antibiofilm coatings based on PLGA and nanostructured cefepime-functionalized magnetite
(2018) Nanomaterials, 8 (9), art. no. 633, . Cited 22 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052659214&doi=10.3390%2fnano8090633&partnerID=40&md5=e3b2501950b7f0e503a6fbfa05071d39

DOI: 10.3390/nano8090633
DOCUMENT TYPE: Article
SOURCE: Scopus

Douzandeh-Mobarrez, B., Ansari-Dogaheh, M., Eslaminejad, T., Kazemipour, M., Shakibaie, M.
Preparation and evaluation of the antibacterial effect of magnetic nanoparticles containing gentamicin: A preliminary in vitro study
(2018) Iranian Journal of Biotechnology, 16 (4), art. no. e1559, pp. 287-293. Cited 13 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073769125&doi=10.21859%2fIJB.1559&partnerID=40&md5=ee909ef3480242755be3be4a72dd74b9

DOI: 10.21859/IJB.1559
DOCUMENT TYPE: Article

SOURCE: Scopus

Zhao, C., Liu, X., Zhang, X., Yan, H., Qian, Z., Li, X., Ma, Z., Han, Q., Pei, C.
A facile one-step method for preparation of Fe3O4/CS/INH nanoparticles as a targeted drug delivery for tuberculosis
(2017) Materials Science and Engineering C, 77, pp. 1182-1188. Cited 26 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85017564353&doi=10.1016%2fj.msec.2017.03.137&partnerID=40&md5=c3ae9aa458464ab766d03ca8a1841500

DOI: 10.1016/j.msec.2017.03.137
DOCUMENT TYPE: Article
SOURCE: Scopus

Seabra, A.B., Pelegrino, M.T., Haddad, P.S.
Antimicrobial Applications of Superparamagnetic Iron Oxide Nanoparticles: Perspectives and Challenges
(2017) Nanostructures for Antimicrobial Therapy: Nanostructures in Therapeutic Medicine Series, pp. 531-550. Cited 36 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032678864&doi=10.1016%2fB978-0-323-46152-8.00024-X&partnerID=40&md5=147c280ceb2f3eeb7fed8408963719b2

DOI: 10.1016/B978-0-323-46152-8.00024-X
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Albuquerque, I.L.T., Santos, P.T.A., Cornejo, D.R., Bicalho, S.M.C.M., Oliveira, L.S.C., Costa, A.C.F.M.
Surface modification of Fe2O3/Fe3O4 nanocomposites for use in immobilization of glucose oxidase [Modificação da superfície de nanocompósitos de Fe2O3/Fe3O4 visando seu uso para imobilização da glicose oxidase]
(2017) Ceramica, 63 (366), pp. 244-252. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85019880020&doi=10.1590%2f0366-69132017633662080&partnerID=40&md5=bd5ea11c5235749e37558ec127fb9f42

DOI: 10.1590/0366-69132017633662080
DOCUMENT TYPE: Article
SOURCE: Scopus

Jabeen, S., Islam, A., Ghaffar, A., Gull, N., Hameed, A., Bashir, A., Jamil, T., Hussain, T.
Development of a novel pH sensitive silane crosslinked injectable hydrogel for controlled release of neomycin sulfate
(2017) International Journal of Biological Macromolecules, 97, pp. 218-227. Cited 70 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85009107928&doi=10.1016%2fj.ijbiomac.2017.01.014&partnerID=40&md5=699d1085d177a4d5340388bb8ae2562a

DOI: 10.1016/j.ijbiomac.2017.01.014
DOCUMENT TYPE: Article
SOURCE: Scopus

Takebe, H., Kobayashi, S., Aono, H., Yamamuro, S.
Fabrication and characterization of natural/synthesized, micro-, and nanostructured materials for biomedical applications
(2017) Nanostructures for Novel Therapy: Synthesis, Characterization and Applications, pp. 81-106. Cited 4 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85027255907&doi=10.1016%2fB978-0-323-46142-9.00004-9&partnerID=40&md5=919ee04132a51b494e64069f6cd3c57e

DOI: 10.1016/B978-0-323-46142-9.00004-9
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Bhardwaj, A.K., Shukla, A., Mishra, R.K., Singh, S.C., Mishra, V., Uttam, K.N., Singh, M.P., Sharma, S., Gopal, R.
Power and time dependent microwave assisted fabrication of silver nanoparticles decorated cotton (SNDC) fibers for bacterial decontamination
(2017) Frontiers in Microbiology, 8 (MAR), art. no. 330, . Cited 21 times.

https://www.scopus.com/inward/record.uri?eid=2-s2.0-85018334897&doi=10.3389%2ffmicb.2017.00330&partnerID=40&md5=138268bf828a401a85ee58fe88c77646

DOI: 10.3389/fmicb.2017.00330
DOCUMENT TYPE: Article
SOURCE: Scopus

Borgheti-Cardoso, L.N., Vicentini, F.T.M.C., Cunha Filho, M.S.S., Gelfuso, G.M.
Pharmaceutical delivery systems composed of chitosan
(2017) Handbook of Composites from Renewable Materials, 1-8, pp. 285-308. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85050921433&doi=10.1002%2f9781119441632.ch115&partnerID=40&md5=48afd93a44bd5095a2bf564dfe09a1c6

DOI: 10.1002/9781119441632.ch115
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Curutiu, C., Grumezescu, V., Chifiriuc, M.C., Huang, K.-S., Iordache, F., Lin, Y.-M., Holban, A.M.
Nanostructured approaches for the targeted delivery of antibiotics in difficult infections
(2017) Current Organic Chemistry, 21 (1), pp. 45-52. Cited 3 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85018403923&doi=10.2174%2f1385272820666160510170450&partnerID=40&md5=3a2d8f455ed9b9ebaca3f95b24fafc3d

DOI: 10.2174/1385272820666160510170450
DOCUMENT TYPE: Review
SOURCE: Scopus

Stoica, P., Chifiriuc, M.C., Rapa, M., Lazăr, V.
Overview of biofilm-related problems in medical devices
(2017) Biofilms and Implantable Medical Devices: Infection and Control, pp. 3-23. Cited 36 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85009841571&doi=10.1016%2fB978-0-08-100382-4.00001-0&partnerID=40&md5=cba0189c8dc87fbe31dcc0dc3298b6af

DOI: 10.1016/B978-0-08-100382-4.00001-0
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Harris, M., Alexander, C., Wells, C.M., Bumgardner, J.D., Carpenter, D.P., Jennings, J.A.
Chitosan for the delivery of antibiotics
(2017) Chitosan Based Biomaterials, 2, pp. 147-173. Cited 11 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85009692628&doi=10.1016%2fB978-0-08-100228-5.00006-7&partnerID=40&md5=12ee7ee1601bfe5ec7f8bf77809762dc

DOI: 10.1016/B978-0-08-100228-5.00006-7
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Zhou, Q., Qu, L., Chan, H.-K.
Pulmonary delivery of antibiotics for respiratory infections
(2016) Advances in Pulmonary Drug Delivery, pp. 131-149.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051958268&doi=10.1201%2f9781315311975&partnerID=40&md5=f2830be75e86218da16e14f7af0723a2

DOI: 10.1201/9781315311975
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Liakos, I.L., D'autilia, F., Garzoni, A., Bonferoni, C., Scarpellini, A., Brunetti, V., Carzino, R., Bianchini, P., Pompa, P.P., Athanassiou, A.
All natural cellulose acetate—Lemongrass essential oil antimicrobial nanocapsules
(2016) International Journal of Pharmaceutics, 510 (2), pp. 508-515. Cited 47 times.

https://www.scopus.com/inward/record.uri?eid=2-s2.0-84957927660&doi=10.1016%2fj.ijpharm.2016.01.060&partnerID=40&md5=cc321c522bdf2f0011fc9d10b91b484f

DOI: 10.1016/j.ijpharm.2016.01.060
DOCUMENT TYPE: Article
SOURCE: Scopus

Yang, C.-H., Wang, L.-S., Chen, S.-Y., Huang, M.-C., Li, Y.-H., Lin, Y.-C., Chen, P.-F., Shaw, J.-F., Huang, K.-S.
Microfluidic assisted synthesis of silver nanoparticle–chitosan composite microparticles for antibacterial applications
(2016) International Journal of Pharmaceutics, 510 (2), pp. 493-500. Cited 79 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84955518414&doi=10.1016%2fj.ijpharm.2016.01.010&partnerID=40&md5=aa784d23e5ac93a85273236835a49299

DOI: 10.1016/j.ijpharm.2016.01.010
DOCUMENT TYPE: Article
SOURCE: Scopus

Cristescu, R., Visan, A., Socol, G., Surdu, A.V., Oprea, A.E., Grumezescu, A.M., Chifiriuc, M.C., Boehm, R.D., Yamaleyeva, D., Taylor, M., Narayan, R.J., Chrisey, D.B.
Antimicrobial activity of biopolymeric thin films containing flavonoid natural compounds and silver nanoparticles fabricated by MAPLE: A comparative study
(2016) Applied Surface Science, 374, pp. 290-296. Cited 24 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84951095765&doi=10.1016%2fj.apsusc.2015.11.252&partnerID=40&md5=e8fb1b79fc97938425ef97c67b8cdf4d

DOI: 10.1016/j.apsusc.2015.11.252
DOCUMENT TYPE: Article
SOURCE: Scopus

Ghaseminezhad, S.M., Shojaosadati, S.A.
Evaluation of the antibacterial activity of Ag/Fe3O4 nanocomposites synthesized using starch
(2016) Carbohydrate Polymers, 144, pp. 454-463. Cited 62 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84962308039&doi=10.1016%2fj.carbpol.2016.03.007&partnerID=40&md5=6935c74d765b9a93e9718c0a56cd5e87

DOI: 10.1016/j.carbpol.2016.03.007
DOCUMENT TYPE: Article
SOURCE: Scopus

Grumezescu, V., Holban, A.M., Barbu, I., Popescu, R.C., Oprea, A.E., Lazar, V., Grumezescu, A.M., Chifiriuc, M.C.
Nanoarchitectonics Used in Antiinfective Therapy
(2016) Antibiotic Resistance: Mechanisms and New Antimicrobial Approaches, pp. 145-166. Cited 13 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84987904749&doi=10.1016%2fB978-0-12-803642-6.00007-1&partnerID=40&md5=442aaacbdbdf1a85ecc8390fad9d069f

DOI: 10.1016/B978-0-12-803642-6.00007-1
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Muzzalupo, R., Tavano, L.
Advances on magnetic nanocarriers based on natural polymers
(2016) Current Pharmaceutical Design, 22 (22), pp. 3353-3363. Cited 8 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84975767681&doi=10.2174%2f1381612822666160209152214&partnerID=40&md5=3bf237e8026fa3fd04a4183b8f5a1e25

DOI: 10.2174/1381612822666160209152214
DOCUMENT TYPE: Review
SOURCE: Scopus

Liakos, I.L., Abdellatif, M.H., Innocenti, C., Scarpellini, A., Carzino, R., Brunetti, V., Marras, S., Brescia, R., Drago, F., Pompa, P.
Antimicrobial Lemongrass Essential Oil-Copper Ferrite Cellulose Acetate Nanocapsules
(2016) Molecules, 21 (4), art. no. 520, . Cited 26 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84967211825&doi=10.3390%2fmolecules21040520&partnerID=40&md5=70a4e7d2d68608f7362e982e8cf8686e

DOI: 10.3390/molecules21040520
DOCUMENT TYPE: Article
SOURCE: Scopus

Arora, D., Sharma, N., Sharma, V., Abrol, V., Shankar, R., Jaglan, S.
An update on polysaccharide-based nanomaterials for antimicrobial applications
(2016) Applied Microbiology and Biotechnology, 100 (6), pp. 2603-2615. Cited 45 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84956975699&doi=10.1007%2fs00253-016-7315-0&partnerID=40&md5=4acb9cc322db4af44e85f1cb54c0b554

DOI: 10.1007/s00253-016-7315-0
DOCUMENT TYPE: Review
SOURCE: Scopus

Ion, A., Andronescu, E., Řadulescu, D., Řadulescu, M., Iordache, F., Vasile, B.S., Surdu, A.V., Albu, M.G., Maniu, H., Chifiriuc, M.C., Grumezescu, A.M., Holban, A.M.
Biocompatible 3d matrix with antimicrobial properties
(2016) Molecules, 21 (1), art. no. 21010115, . Cited 7 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85000443625&doi=10.3390%2fmolecules21010115&partnerID=40&md5=374a240509a134835497ade13c8e19f2

DOI: 10.3390/molecules21010115
DOCUMENT TYPE: Article
SOURCE: Scopus

Holban, A.M., Grumezescu, A.M., Andronescu, E.
Inorganic nanoarchitectonics designed for drug delivery and anti-infective surfaces
(2016) Surface Chemistry of Nanobiomaterials: Applications of Nanobiomaterials, pp. 301-327. Cited 31 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84979683192&doi=10.1016%2fB978-0-323-42861-3.00010-8&partnerID=40&md5=c347dc67d37a1d478d061a365e16bd58

DOI: 10.1016/B978-0-323-42861-3.00010-8
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Hasanova, U.A., Ramazanov, M.A., Maharramov, A.M., Hajiyeva, S.F., Parfyonova, Y.V., Eyvazova, G.M., Hajiyeva, F.V., Guliyeva, N.A., Veliyeva, S.B.
The Improvement of Antimicrobial Activity of Kanamycin and Ciprofloxacin Antibiotics Coupled with Biocompatible Magnetite Nanoparticles and Characterization of Their Structure
(2015) Journal of Nanotechnology in Engineering and Medicine, 6 (4), art. no. 041006, . Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84971538882&doi=10.1115%2f1.4033126&partnerID=40&md5=619f61919cffecdee76c2bab2ddc2510

DOI: 10.1115/1.4033126
DOCUMENT TYPE: Article
SOURCE: Scopus

Holban, A.M., Grumezescu, A.M.
Novel molecular approaches in targeting microbial virulence for handling infections
(2015) Novel Molecular Approaches in Targeting Microbial Virulence for Handling Infections, pp. 1-81. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84979678542&doi=10.1515%2f9783110449501&partnerID=40&md5=9ac5e68106c8ef4f34ec95e22468a9be

DOI: 10.1515/9783110449501
DOCUMENT TYPE: Book
SOURCE: Scopus

Zhou, H.Y., Cao, P.P., Li, J.B., Zhang, F.L., Ding, P.P.
Preparation and release kinetics of carboxymethyl chitosan/cellulose acetate microspheres as drug delivery system
(2015) Journal of Applied Polymer Science, 132 (26), art. no. 42152, . Cited 22 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84926483224&doi=10.1002%2fapp.42152&partnerID=40&md5=8471470a82b93edd1a0151568a7a82b6

DOI: 10.1002/app.42152
DOCUMENT TYPE: Article
SOURCE: Scopus

Taresco, V., Francolini, I., Padella, F., Bellusci, M., Boni, A., Innocenti, C., Martinelli, A., D'Ilario, L., Piozzi, A.
Design and characterization of antimicrobial usnic acid loaded-core/shell magnetic nanoparticles
(2015) Materials Science and Engineering C, 52, pp. 72-81. Cited 38 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84925746171&doi=10.1016%2fj.msec.2015.03.044&partnerID=40&md5=267827b619e65198378c6eda0176ecd5

DOI: 10.1016/j.msec.2015.03.044
DOCUMENT TYPE: Article
SOURCE: Scopus

Ivashchenko, O., Lewandowski, M., Peplińska, B., Jarek, M., Nowaczyk, G., Wiesner, M., Załęski, K., Babutina, T., Warowicka, A., Jurga, S.
Synthesis and characterization of magnetite/silver/antibiotic nanocomposites for targeted antimicrobial therapy
(2015) Materials Science and Engineering C, 55, pp. 343-359. Cited 36 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84930645977&doi=10.1016%2fj.msec.2015.05.023&partnerID=40&md5=d2da93f5b021acaa10ac8f6c01770b26

DOI: 10.1016/j.msec.2015.05.023
DOCUMENT TYPE: Article
SOURCE: Scopus

Voicu, G., Dogaru, I., Meliţă, D., Meştercă, R., Spirescu, V., Stan, E., Tote, E., Mogoantă, L., Mogoşanu, G.D., Grumezescu, A.M., Truşcă, R., Vasile, E., Iordache, F., Chifiriuc, M.-C., Holban, A.M.
Nanostructured mesoporous silica: new perspectives for fighting antimicrobial resistance
(2015) Journal of Nanoparticle Research, 17 (5), 13 p. Cited 4 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84928914649&doi=10.1007%2fs11051-015-3004-7&partnerID=40&md5=389e82de7926cbc0ffb2082474ed57bf

DOI: 10.1007/s11051-015-3004-7
DOCUMENT TYPE: Article
SOURCE: Scopus

Grumezescu, V., Andronescu, E., Holban, A.M., Mogoantə, L., Mogoşanu, G.D., Grumezescu, A.M., Stənculescu, A., Socol, G., Iordache, F., Maniu, H., Chifiriuc, M.C.
MAPLE fabrication of thin films based on kanamycin functionalized magnetite nanoparticles with anti-pathogenic properties
(2015) Applied Surface Science, 336, pp. 188-195. Cited 23 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84925452106&doi=10.1016%2fj.apsusc.2014.10.177&partnerID=40&md5=b8ec0a1fca04e05694850ee877ee9603

DOI: 10.1016/j.apsusc.2014.10.177
DOCUMENT TYPE: Conference Paper
SOURCE: Scopus

Grumezescu, V., Andronescu, E., Holban, A.M., Socol, G., Grumezescu, A.M., Ficai, A., Lazar, V., Chifiriuc, M.C., Trusca, R., Iordache, F.
Fabrication and characterization of functionalized surfaces with 3-amino propyltrimethoxysilane films for anti-infective therapy applications
(2015) Applied Surface Science, 336, pp. 401-406. Cited 12 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84925392528&doi=10.1016%2fj.apsusc.2015.01.080&partnerID=40&md5=0d8f7edfc7c74fa1bba204aba5a0e616

DOI: 10.1016/j.apsusc.2015.01.080

DOCUMENT TYPE: Conference Paper
SOURCE: Scopus

Grumezescu, A.M., Andronescu, E., Oprea, A.E., Holban, A.M., Socol, G., Grumezescu, V., Chifiriuc, M.C., Iordache, F., Maniu, H.
MAPLE fabricated magnetite@Melissa officinalis and poly lactic acid: chitosan coated surfaces with anti-staphylococcal properties
(2015) Journal of Sol-Gel Science and Technology, 73 (3), pp. 612-619. Cited 11 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84925539712&doi=10.1007%2fs10971-014-3558-3&partnerID=40&md5=6ee44440ed04434f71321f0eff069021

DOI: 10.1007/s10971-014-3558-3
DOCUMENT TYPE: Article
SOURCE: Scopus

Holban, A.M.
Magnetite nanoshuttles for fighting staphylococcus aureus infections: A recent review
(2015) Current Topics in Medicinal Chemistry, 15 (16), pp. 1589-1595. Cited 9 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84930912192&doi=10.2174%2f1568026615666150414152431&partnerID=40&md5=b5ba276e0a2fee83a23ebf8947fd3e3f

DOI: 10.2174/1568026615666150414152431
DOCUMENT TYPE: Article
SOURCE: Scopus

Holban, A.M., Iordanskii, A., Grumezescu, A.M., Bychkova, A., Andronescu, E., Mogoantă, L.I., Mogo Ș Anu, G.D., Iordache, F.
Prosthetic devices with nanostructurated surfaces for increased resistance to microbial colonization
(2015) Current Pharmaceutical Biotechnology, 16 (2), pp. 112-120. Cited 5 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84926151693&doi=10.2174%2f1389201016021501121503 03&partnerID=40&md5=22d3da349bcff860a938e14404f75301

DOI: 10.2174/138920101602150112150303
DOCUMENT TYPE: Article
SOURCE: Scopus

Bilcu, M., Grumezescu, A.M., Oprea, A.E., Popescu, R.C., Mogoanu, G.D., Hristu, R., Stanciu, G.A., Mihailescu, D.F., Lazar, V., Bezirtzoglou, E., Chifiriuc, M.C.
Efficiency of vanilla, patchouli and ylang ylang essential oils stabilized by iron oxide@C14 nanostructures against bacterial adherence and biofilms formed by staphylococcus aureus and klebsiella pneumoniae clinical strains
(2014) Molecules, 19 (11), pp. 17943-17956. Cited 46 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84915756292&doi=10.3390%2fmolecules191117943&partnerID=40&md5=a56081b85a29b796ee4be75f95bb7794

DOI: 10.3390/molecules191117943
DOCUMENT TYPE: Article
SOURCE: Scopus

Grumezescu, V., Holban, A.M., Iordache, F., Socol, G., Mogoşanu, G.D., Grumezescu, A.M., Ficai, A., Vasile, B.Ş., Truşcă, R., Chifiriuc, M.C., Maniu, H.
MAPLE fabricated magnetite@eugenol and (3-hidroxybutyric acid-co-3-hidroxyvaleric acid)-polyvinyl alcohol microspheres coated surfaces with anti-microbial properties
(2014) Applied Surface Science, 306, pp. 16-22. Cited 51 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84901197796&doi=10.1016%2fj.apsusc.2014.01.126&partnerID=40&md5=c6390b5cc7c7a47d77e89f67e35b0e08

DOI: 10.1016/j.apsusc.2014.01.126
DOCUMENT TYPE: Conference Paper
SOURCE: Scopus

Bertesteanu, S., Triaridis, S., Stankovic, M., Lazar, V., Chifiriuc, M.C., Vlad, M., Grigore, R.

Polymicrobial wound infections: Pathophysiology and current therapeutic approaches
(2014) International Journal of Pharmaceutics, 463 (2), pp. 119-126. Cited 86 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84894225530&doi=10.1016%2fj.ijpharm.2013.12.012&partnerID=40&md5=098c555d17f56daf21ad00aaac632bf5

DOI: 10.1016/j.ijpharm.2013.12.012
DOCUMENT TYPE: Article
SOURCE: Scopus

Popescu, R.C., Grumezescu, A.M.
Magnetite nanostructures with applications in cancer therapy
(2014) Current Proteomics, 11 (2), pp. 128-138. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84911494316&doi=10.2174%2f15701646110214091712262 1&partnerID=40&md5=022d7bb336a63c4b8ecc1a70b67b2cac

DOI: 10.2174/157016461102140917122621
DOCUMENT TYPE: Article
SOURCE: Scopus

Gheorghe, I., Chifiriuc, M.C., Cotar, A.I., Lazar, V.
Extended-spectrum beta-lactamase production in Pseudomonas aeruginosa and Acinetobacter baumannii strains: Epidemiology, molecular characterization and novel proteomics-based diagnostic tools
(2014) Current Proteomics, 11 (2), pp. 108-115.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84911491789&doi=10.2174%2f15701646110214091712210 3&partnerID=40&md5=ad173aef5619397ad411d6d5a58394f9

DOI: 10.2174/157016461102140917122103
DOCUMENT TYPE: Article
SOURCE: Scopus

Limban, C., Missir, A.V., Grumezescu, A.M., Oprea, A.E., Grumezescu, V., Vasile, B.Ş., Socol, G., Truşcă, R., Caproiu, M.T., Chifiriuc, M.C., Gălăţeanu, B., Costache, M., Moruşciag, L., Pîrcălăbioru, G., Nuţă, D.C.
Bioevaluation of novel anti-biofilm coatings based on PVP/Fe 3O4 nanostructures and 2-((4-Ethylphenoxy)methyl)-N- (arylcarbamothioyl)benzamides
(2014) Molecules, 19 (8), pp. 12011-12030. Cited 18 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84906689710&doi=10.3390%2fmolecules190812011&partnerID=40&md5=e8ca00f5bc6ee65fda3d0ae4b0617484

DOI: 10.3390/molecules190812011
DOCUMENT TYPE: Article
SOURCE: Scopus

Liakos, I., Grumezescu, A.M., Holban, A.M.
Magnetite nanostructures as novel strategies for anti-infectious therapy
(2014) Molecules, 19 (8), pp. 12710-12726. Cited 58 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84906660445&doi=10.3390%2fmolecules190812710&partnerID=40&md5=e6e04e700e9ac358f6a63e9b29d8e455

DOI: 10.3390/molecules190812710
DOCUMENT TYPE: Review
SOURCE: Scopus

Holban, A.M., Gestal, M.C., Grumezescu, A.M.
New molecular strategies for reducing implantable medical devices associated infections
(2014) Current Medicinal Chemistry, 21 (29), pp. 3375-3382. Cited 21 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904800821&doi=10.2174%2f09298673216661403041038 10&partnerID=40&md5=ced3e88c5e132e3620c4614249680d7e

DOI: 10.2174/092986732166614030410381 0

	DOCUMENT TYPE: Article SOURCE: Scopus Holban, A.M., Grumezescu, V., Grumezescu, A.M., Vasile, B.S., Truşcă, R., Cristescu, R., Socol, G., Iordache, F. Antimicrobial nanospheres thin coatings prepared by advanced pulsed laser technique (2014) Beilstein Journal of Nanotechnology, 5 (1), pp. 872-880. Cited 32 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-84902655881&doi=10.3762%2fbjnano.5.99&partnerID=40&md5=36287668e505bcbef34093a0c4823fbb DOI: 10.3762/bjnano.5.99 DOCUMENT TYPE: Article SOURCE: Scopus Grumezescu, A.M., Gesta, M.C., Holban, A.M., Grumezescu, V., Vasile, B.S., Mogoanta, L., Iordache, F., Bleotu, C., Dan Mogosanu, G. Biocompatible Fe3O4 increases the efficacy of amoxicillin delivery against gram-positive and gram-negative bacteria (2014) Molecules, 19 (4), pp. 5013-5027. Cited 62 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-84899574770&doi=10.3390%2fmolecules19045013&partnerID=40&md5=dfe91cea5a589690ac321ce489890405 DOI: 10.3390/molecules19045013 DOCUMENT TYPE: Article SOURCE: Scopus Grumezescu, V., Holban, A.M., Grumezescu, A.M., Socol, G., Ficai, A., Vasile, B.S., Truscă, R., Bleotu, C., Lazar, V., Chifiriuc, C.M., Mogosanu, G.D. Usnic acid-loaded biocompatible magnetic PLGA-PVA microsphere thin films fabricated by MAPLE with increased resistance to staphylococcal colonization (2014) Biofabrication, 6 (3), art. no. 035002, . Cited 47 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-84899565695&doi=10.1088%2f1758-5082%2f6%2f3%2f035002&partnerID=40&md5=e1689d52862f63852573ef8490f35ba3 DOI: 10.1088/1758-5082/6/3/035002 DOCUMENT TYPE: Article SOURCE: Scopus	
14	**Fabrication, characterization and in vitro profile based interaction with eukaryotic and prokaryotic cells of alginate-chitosan-silica biocomposite, Balaure, P.C., Andronescu, E., Grumezescu, A.M., Ficai, A., Huang, K.-S., Yang, C.-H., Chifiriuc, C.M., Lin, Y.-S., International Journal of Pharmaceutics, 441 (1-2), 2013, 555-561, DOI10.1016/j.ijpharm.2012.10.045, WOS:000314054200066, Q1**	40
	Scopus EXPORT DATE:21 Apr 2024 Kolathupalayam Shanmugam, B., Murugan, V., Karthik, A., Rangaraj, S., Subramani, K., Srinivasan, S., Kandhasamy, N., Aicher, W.K., Rajendran, V. Silica incorporated chitosan-sodium alginate nanocomposite scaffolds for tissue engineering applications (2023) International Journal of Polymeric Materials and Polymeric Biomaterials, 72 (7), pp. 537-549. Cited 5 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125288282&doi=10.1080%2f00914037.2022.2032703&partnerID=40&md5=289ed199c0ea22a8879dfd77a5c339ff DOI: 10.1080/00914037.2022.2032703 DOCUMENT TYPE: Article SOURCE: Scopus Xiong, X., Xiao, W., Zhou, S., Cui, R., Xu, H.H.K., Qu, S. Enhanced proliferation and angiogenic phenotype of endothelial cells via negatively-charged alginate and chondroitin sulfate microsphere hydrogels (2021) Biomedical Materials (Bristol), 16 (2), art. no. 025012, . Cited 12 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101609581&doi=10.1088%2f1748-605X%2fabd994&partnerID=40&md5=9183c5d904da4fb412874a7f0fe2b2e9 DOI: 10.1088/1748-605X/abd994	

DOCUMENT TYPE: Article
SOURCE: Scopus

Jayakumar, A., Heera, K.V., Sumi, T.S., Joseph, M., Radhakrishnan, E.K.
Advances with synthesis and applications of green bionanomaterials
(2020) Advanced Structured Materials, 126, pp. 209-226. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85083429493&doi=10.1007%2f978-981-15-3560-4_8&partnerID=40&md5=9a62e1b304232b1b21204aa1be8c1f1d

DOI: 10.1007/978-981-15-3560-4_8
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Costa, M.P.M., Prates, L.M., Baptista, L., Cruz, M.T.M., Ferreira, I.L.M.
Interaction of polyelectrolyte complex between sodium alginate and chitosan dimers with a single glyphosate molecule: A DFT and NBO study
(2018) Carbohydrate Polymers, 198, pp. 51-60. Cited 46 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048713110&doi=10.1016%2fj.carbpol.2018.06.052&partnerID=40&md5=d179cfa00fa34bc6f4d3eb08bf71c5d7

DOI: 10.1016/j.carbpol.2018.06.052
DOCUMENT TYPE: Article
SOURCE: Scopus

Ficai, D., Grumezescu, V., Fufă, O.M., Popescu, R.C., Holban, A.M., Ficai, A., Grumezescu, A.M., Mogoanta, L., Mogosanu, G.D., Andronescu, E.
Antibiofilm coatings based on PLGA and nanostructured cefepime-functionalized magnetite
(2018) Nanomaterials, 8 (9), art. no. 633, . Cited 22 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052659214&doi=10.3390%2fnano8090633&partnerID=40&md5=e3b2501950b7f0e503a6fbfa05071d39

DOI: 10.3390/nano8090633
DOCUMENT TYPE: Article
SOURCE: Scopus

Liu, J., Xiao, J., Li, F., Shi, Y., Li, D., Huang, Q.
Chitosan-sodium alginate nanoparticle as a delivery system for ε-polylysine: Preparation, characterization and antimicrobial activity
(2018) Food Control, 91, pp. 302-310. Cited 83 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047500561&doi=10.1016%2fj.foodcont.2018.04.020&partnerID=40&md5=fa6c2edfc6f01661297cec99cabb8c41

DOI: 10.1016/j.foodcont.2018.04.020
DOCUMENT TYPE: Article
SOURCE: Scopus

Bi, Y.
Controlled Release Properties of a Time-controlled/pH-dependent Colonic Drug Delivery System for Berberine Hydrochloride [时间控制/pH依赖型盐酸黄连素结肠给药系统的控释性能]
(2018) Cailiao Daobao/Materials Review, 32 (6), pp. 1973-1977. Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056703698&doi=10.11896%2fj.issn.1005-023X.2018.12.006&partnerID=40&md5=4b9b9879edbc8ea34be1f37a27d6c71e

DOI: 10.11896/j.issn.1005-023X.2018.12.006
DOCUMENT TYPE: Article
SOURCE: Scopus

Yuvaraj, D., Jai Preethi, P., Saravanan, A., Smila, K.H.
Sustained release of nanoformulation of Diethyl carbamazine (Dec) for filariasis - A review
(2018) International Journal of Engineering and Technology(UAE), 7 (3.34 Special Issue 34), pp. 439-441.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082357288&partnerID=40&md5=1f560ffb47a03be24d47bbed10cbfb42

DOCUMENT TYPE: Article
SOURCE: Scopus

Jampílek, J., Jampílek, K.K.
Application of nanobioformulations for controlled release and targeted biodistribution of drugs
(2018) Nanobiomaterials: Applications in Drug Delivery, pp. 131-208. Cited 31 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053977413&doi=10.1201%2f9781315204918&partnerID=40&md5=409b6d9b38089c65db8ae136fb1e342b

DOI: 10.1201/9781315204918
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Gina Vasile Scăet, E., Chifiriuc, M.C., Bleotu, C., Kamerzan, C., Luminița Măru, T., Daniliuc, C.G., Maxim, C., Calu, L., Olar, R., Badea, M.
Synthesis, structural characterization, antimicrobial activity, and in vitro biocompatibility of new unsaturated carboxylate complexes with 2,2'-bipyridine
(2018) Molecules, 23 (1), art. no. 157, . Cited 32 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040513122&doi=10.3390%2fmolecules23010157&partnerID=40&md5=b5ce5404c0a17a5f3e84ee03b2f89ceb

DOI: 10.3390/molecules23010157
DOCUMENT TYPE: Article
SOURCE: Scopus

Oniga, S.D., Araniciu, C., Palage, M.D., Popa, M., Chifiriuc, M.C., Marc, G., Pirnau, A., Stoica, C.I., Lagoudis, I., Dragoumis, T., Oniga, O.
New 2-phenylthiazoles as potential sortase a inhibitors: Synthesis, biological evaluation and molecular docking
(2017) Molecules, 22 (11), art. no. 1827, . Cited 26 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85033805087&doi=10.3390%2fmolecules22111827&partnerID=40&md5=2f68b83b60709b441045c6a5824fa5d4

DOI: 10.3390/molecules22111827
DOCUMENT TYPE: Article
SOURCE: Scopus

Venkatesan, J., Anil, S., Singh, S.K., Kim, S.-K.
Preparations and Applications of Alginate Nanoparticles
(2017) Seaweed Polysaccharides: Isolation, Biological and Biomedical Applications, pp. 251-268. Cited 16 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048084080&doi=10.1016%2fB978-0-12-809816-5.00013-X&partnerID=40&md5=9fbe798863c91f44ac772e6e784f6221

DOI: 10.1016/B978-0-12-809816-5.00013-X
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Nica, I.C., Stan, M.S., Popa, M., Chifiriuc, M.C., Lazar, V., Pircalabioru, G.G., Dumitrescu, I., Ignat, M., Feder, M., Tanase, L.C., Mercioniu, I., Diamandescu, L., Dinischiotu, A.
Interaction of new-developed tio2-based photocatalytic nanoparticles with pathogenic microorganisms and human dermal and pulmonary fibroblasts
(2017) International Journal of Molecular Sciences, 18 (2), art. no. 249, . Cited 25 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85011015628&doi=10.3390%2fijms18020249&partnerID=40&md5=c0045092de249a6c9698c984f0c3402b

DOI: 10.3390/ijms18020249
DOCUMENT TYPE: Article
SOURCE: Scopus

Liu, Z., Wang, C., Liu, Y., Peng, D.
Cefepime loaded O-carboxymethyl chitosan microspheres with sustained bactericidal activity and enhanced biocompatibility

	(2017) Journal of Biomaterials Science, Polymer Edition, 28 (1), pp. 79-92. Cited 8 times. **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84992213060&doi=10.1080%2f09205063.2016.1244372&partnerID=40&md5=4e9a624e47d0ac83257786749478025a** **DOI: 10.1080/09205063.2016.1244372** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Dorneanu, R., Cioancă, O., Chifiriuc, O., Albu, E., Tuchiluş, C., Mircea, C., Salamon, I., Hăncianu, M.** **Synergic benefits of Aronia melanocarpa anthocyanin – Rich extracts and antibiotics used for urinary tract infections** **(2017) Farmacia, 65 (5), pp. 778-783. Cited 12 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032388197&partnerID=40&md5=98c7358dafe5b9f99a16f3e9c0616920** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Huang, S.-L., Lin, Y.-S.** **The Size Stability of Alginate Beads by Different Ionic Crosslinkers** **(2017) Advances in Materials Science and Engineering, 2017, art. no. 9304592, . Cited 20 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85029675595&doi=10.1155%2f2017%2f9304592&partnerID=40&md5=0582d34a12e269b54c645139bdda3e9b** **DOI: 10.1155/2017/9304592** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Chuang, J.-J., Huang, Y.-Y., Lo, S.-H., Hsu, T.-F., Huang, W.-Y., Huang, S.-L., Lin, Y.-S.** **Effects of pH on the Shape of Alginate Particles and Its Release Behavior** **(2017) International Journal of Polymer Science, 2017, art. no. 3902704, . Cited 104 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85011003399&doi=10.1155%2f2017%2f3902704&partnerID=40&md5=94c67cc7319e1620e63038fb03aca617** **DOI: 10.1155/2017/3902704** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Marinescu, G., Culita, D.C., Patron, L., Stanica, N., Nita, S., Musuc, A.M., Bleotu, C., Popa, M., Kamerzan, C., Chifiriuc, M.C.** **Synthesis, characterization and evaluation of the antimicrobial and cytotoxic activity of two novel complexes of Gd(III) with piroxicam and meloxicam** **(2016) Revue Roumaine de Chimie, 61 (10), pp. 779-786. Cited 1 time.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85029542641&partnerID=40&md5=baa5a2bed3f47459b62e4e0b61955b4c** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Venkatesan, J., Anil, S., Kim, S.-K., Shim, M.S.** **Seaweed polysaccharide-based nanoparticles: Preparation and applications for drug delivery** **(2016) Polymers, 8 (2), art. no. 30, . Cited 132 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84960101401&doi=10.3390%2fpolym8020030&partnerID=40&md5=4e010db5190d95134aa11679049229dc** **DOI: 10.3390/polym8020030** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Popa, C.L., Ciobanu, C.S., Voicu, G., Vasile, E., Chifiriuc, M.C., Iconaru, S.L., Predoi, D.** **Influence of Thermal Treatment on the Antimicrobial Activity of Silver-Doped Biological Apatite** **(2015) Nanoscale Research Letters, 10 (1), art. no. 502, pp. 1-10. Cited 19 times.**	

https://www.scopus.com/inward/record.uri?eid=2-s2.0-84952019991&doi=10.1186%2fs11671-015-1211-x&partnerID=40&md5=a86b85b35c235483932dc9b7cb7f9558

DOI: 10.1186/s11671-015-1211-x
DOCUMENT TYPE: Article
SOURCE: Scopus

Lee, H.J., Kim, Y.B., Ahn, S.H., Lee, J..-S., Jang, C.H., Yoon, H., Chun, W., Kim, G.H.
A New Approach for Fabricating Collagen/ECM-Based Bioinks Using Preosteoblasts and Human Adipose Stem Cells
(2015) Advanced Healthcare Materials, 4 (9), pp. 1359-1368. Cited 124 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84932192410&doi=10.1002%2fadhm.201500193&partnerID=40&md5=15297f63bf3d9e9ebe88a5c8fc6cb5ac

DOI: 10.1002/adhm.201500193
DOCUMENT TYPE: Article
SOURCE: Scopus

Lin, Y.-S., Lee, M.-Y., Yang, C.-H., Huang, K.-S.
Active targeted drug delivery for microbes using nano-carriers
(2015) Current Topics in Medicinal Chemistry, 15 (15), pp. 1525-1531. Cited 19 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84930737200&doi=10.2174%2f1568026615666150414123157&partnerID=40&md5=858ed694522f72992f610a1fa815dfc8

DOI: 10.2174/1568026615666150414123157
DOCUMENT TYPE: Article
SOURCE: Scopus

Holban, A.M., Grumezescu, A.M., Iordache, F.
Magnetite Nanostructures: Trends in Anti-Infectious Therapy
(2015) Nanotechnology in Diagnosis, Treatment and Prophylaxis of Infectious Diseases, pp. 51-67. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054206401&doi=10.1016%2fB978-0-12-801317-5.00004-9&partnerID=40&md5=1654798c4619b2fb18f9d0d76b8563ea

DOI: 10.1016/B978-0-12-801317-5.00004-9
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Voicu, G., Dogaru, I., Meliţă, D., Meştercă, R., Spirescu, V., Stan, E., Tote, E., Mogoantă, L., Mogoşanu, G.D., Grumezescu, A.M., Truşcă, R., Vasile, E., Iordache, F., Chifiriuc, M.-C., Holban, A.M.
Nanostructured mesoporous silica: new perspectives for fighting antimicrobial resistance
(2015) Journal of Nanoparticle Research, 17 (5), 13 p. Cited 4 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84928914649&doi=10.1007%2fs11051-015-3004-7&partnerID=40&md5=389e82de7926cbc0ffb2082474ed57bf

DOI: 10.1007/s11051-015-3004-7
DOCUMENT TYPE: Article
SOURCE: Scopus

Grumezescu, V., Andronescu, E., Holban, A.M., Socol, G., Grumezescu, A.M., Ficai, A., Lazar, V., Chifiriuc, M.C., Trusca, R., Iordache, F.
Fabrication and characterization of functionalized surfaces with 3-amino propyltrimethoxysilane films for anti-infective therapy applications
(2015) Applied Surface Science, 336, pp. 401-406. Cited 12 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84925392528&doi=10.1016%2fj.apsusc.2015.01.080&partnerID=40&md5=0d8f7edfc7c74fa1bba204aba5a0e616

DOI: 10.1016/j.apsusc.2015.01.080
DOCUMENT TYPE: Conference Paper
SOURCE: Scopus

Holban, A.M., Iordanskii, A., Grumezescu, A.M., Bychkova, A., Andronescu, E., Mogoantă, L.I., Mogo Ş

Anu, G.D., Iordache, F.
Prosthetic devices with nanostructurated surfaces for increased resistance to microbial colonization
(2015) Current Pharmaceutical Biotechnology, 16 (2), pp. 112-120. Cited 5 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84926151693&doi=10.2174%2f1389201016021501121503 03&partnerID=40&md5=22d3da349bcff860a938e14404f75301

DOI: 10.2174/138920101602150112150303
DOCUMENT TYPE: Article
SOURCE: Scopus

Grumezescu, A.M., Holban, A.M., Andronescu, E., Mogoşanu, G.D., Vasile, B.S., Chifiriuc, M.C., Lazar, V., Andrei, E., Constantinescu, A., Maniu, H.
Anionic polymers and 10 nm Fe3O4@UA wound dressings support human foetal stem cells normal development and exhibit great antimicrobial properties
(2014) International Journal of Pharmaceutics, 463 (2), pp. 146-154. Cited 42 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84894239021&doi=10.1016%2fj.ijpharm.2013.08.026&partnerID=40&md5=c9d013c4aa676059cfec9b914185c898

DOI: 10.1016/j.ijpharm.2013.08.026
DOCUMENT TYPE: Article
SOURCE: Scopus

Bertesteanu, S., Triaridis, S., Stankovic, M., Lazar, V., Chifiriuc, M.C., Vlad, M., Grigore, R.
Polymicrobial wound infections: Pathophysiology and current therapeutic approaches
(2014) International Journal of Pharmaceutics, 463 (2), pp. 119-126. Cited 86 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84894225530&doi=10.1016%2fj.ijpharm.2013.12.012&partnerID=40&md5=098c555d17f56daf21ad00aaac632bf5

DOI: 10.1016/j.ijpharm.2013.12.012
DOCUMENT TYPE: Article
SOURCE: Scopus

Gheorghe, I., Chifiriuc, M.C., Cotar, A.I., Lazar, V.
Extended-spectrum beta-lactamase production in Pseudomonas aeruginosa and Acinetobacter baumannii strains: Epidemiology, molecular characterization and novel proteomics-based diagnostic tools
(2014) Current Proteomics, 11 (2), pp. 108-115.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84911491789&doi=10.2174%2f15701646110214091712210 3&partnerID=40&md5=ad173aef5619397ad411d6d5a58394f9

DOI: 10.2174/157016461102140917122103
DOCUMENT TYPE: Article
SOURCE: Scopus

Yang, C.-H., Lin, Y.-S., Shih, M.-C., Chiu, H.-C., Huang, K.-S.
Droplet-based microfluidic technology applications in polymer science
(2014) Current Proteomics, 11 (2), pp. 92-97. Cited 3 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84911460825&doi=10.2174%2f15701646110214091712173 9&partnerID=40&md5=295ff399652d4467ee329034a21a9dbb

DOI: 10.2174/157016461102140917121739
DOCUMENT TYPE: Article
SOURCE: Scopus

Chan, C.-F., Huang, K.-S., Lee, M.-Y., Yang, C.-H., Wang, C.-Y., Lin, Y.-S.
Applications of nanoparticles for antimicrobial activity and drug delivery
(2014) Current Organic Chemistry, 18 (2), pp. 204-215. Cited 13 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84894064702&doi=10.2174%2f13852728113176660144&partnerID=40&md5=92ca8fd2762812002ee465af66ea8827

DOI: 10.2174/13852728113176660144
DOCUMENT TYPE: Review
SOURCE: Scopus

Yang, C.-H., Wang, W.-T., Grumezescu, A.M., Huang, K.-S., Lin, Y.-S.
One-step synthesis of platinum nanoparticles loaded in alginate bubbles
(2014) Nanoscale Research Letters, 9 (1), art. no. 277, pp. 1-10. Cited 10 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84940350573&doi=10.1186%2f1556-276X-9-277&partnerID=40&md5=6c7041c42a885f43d29d29ab567d415f

DOI: 10.1186/1556-276X-9-277
DOCUMENT TYPE: Article
SOURCE: Scopus

Huang, K.-S., Chang, S.-C., Yang, C.-H., Wang, C.-Y.
Advances in bio-hybrid nanostructures with anti-pathogenic activity
(2014) Current Medicinal Chemistry, 21 (29), pp. 3323-3332. Cited 3 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84926343314&doi=10.2174%2f0929867321666140304102120&partnerID=40&md5=c5ac9aa47e8750d6f1bfc3c7814387e9

DOI: 10.2174/0929867321666140304102120
DOCUMENT TYPE: Article
SOURCE: Scopus

Mendoza-Novelo, B., Lona-Ramos, M.C., González-García, G., Castellano, L.E., Delgado, J., Cuellar-Mata, P., Flores-Moreno, J.M., Vargas, J., Gutiérrez, J.A., Ávila, E.E., Mata-Mata, J.L.
Incorporation of silica particles into decellularized tissue biomaterial and its effect on macrophage activation
(2014) RSC Advances, 4 (108), pp. 63457-63465. Cited 4 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84913528833&doi=10.1039%2fc4ra08984g&partnerID=40&md5=23cf929ec70a08025e573747ccb55dcc

DOI: 10.1039/c4ra08984g
DOCUMENT TYPE: Article
SOURCE: Scopus

Holban, A.M., Gestal, M.C., Grumezescu, A.M.
New molecular strategies for reducing implantable medical devices associated infections
(2014) Current Medicinal Chemistry, 21 (29), pp. 3375-3382. Cited 21 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904800821&doi=10.2174%2f0929867321666140304103810&partnerID=40&md5=ced3e88c5e132e3620c4614249680d7e

DOI: 10.2174/0929867321666140304103810
DOCUMENT TYPE: Article
SOURCE: Scopus

Hornyák, I., Madácsi, E., Kalugyer, P., Vácz, G., Horváthy, D.B., Szendroi, M., Han, W., Lacza, Z.
Increased release time of antibiotics from bone allografts through a novel biodegradable coating
(2014) BioMed Research International, 2014, art. no. 459867, . Cited 13 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904202681&doi=10.1155%2f2014%2f459867&partnerID=40&md5=623d750a6f73e8c0f5d99aa9c3f3bab8

DOI: 10.1155/2014/459867
DOCUMENT TYPE: Article
SOURCE: Scopus

Holban, A.M., Grumezescu, V., Grumezescu, A.M., Vasile, B.S., Truşcă, R., Cristescu, R., Socol, G., Iordache, F.
Antimicrobial nanospheres thin coatings prepared by advanced pulsed laser technique
(2014) Beilstein Journal of Nanotechnology, 5 (1), pp. 872-880. Cited 32 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84902655881&doi=10.3762%2fbjnano.5.99&partnerID=40&md5=36287668e505bcbef34093a0c4823fbb

	DOI: 10.3762/bjnano.5.99 **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Huang, K.-S., Lin, Y.-S., Chang, W.-R., Wang, Y.-L., Yang, C.-H.** **A facile fabrication of alginate microbubbles using a gas foaming reaction** **(2013) Molecules, 18 (8), pp. 9594-9602. Cited 13 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84883158134&doi=10.3390%2fmolecules18089594&partnerID=40&md5=9252c470b17dcde9042e90aa9bbb99e4** **DOI: 10.3390/molecules18089594** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Grumezescu, A.M., Andronescu, E., Ficai, A., Voicu, G., Cocoş, O., Chifiriuc, M.C.** **Eugenia caryophyllata essential oil-SiO2 biohybrid structure for the potentiation of antibiotics' activity [Structură biohibridă bazată pe ulei esenţial de Eugenia caryophyllata şi SiO2 pentru potenţarea activităţii antibioticelor]** **(2013) Revista Romana de Materiale/ Romanian Journal of Materials, 43 (2), pp. 160-166. Cited 10 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84879133129&partnerID=40&md5=fb846227f867c441eb84697df2e20d51** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Grumezescu, V., Chifiriuc, C.M., Holban, A.M., Stoica, P., Grumezescu, A.M., Voicu, G., Socol, G., Huang, K.S., Bleotu, C., Radulescu, R.** **Antimicrobial and biocompatibility assay of newly fabricated materials based copper or zinc alginate and SIO2 network** **(2013) Digest Journal of Nanomaterials and Biostructures, 8 (2), pp. 869-876. Cited 5 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84878974978&partnerID=40&md5=cc00095f1de6e506f8d36466e5ab54a8** **DOCUMENT TYPE: Article** **SOURCE: Scopus**	
15	**Synthesis of new dibenzo[b,f]azepine derivatives, Balaure, P.C., Costea, I., Iordache, F., Drăghici, C., Enache, C., Revue Roumaine de Chimie, 54 (11-12), 2009, 935-942, WOS:000276497500010**	8
	Scopus **EXPORT DATE:21 Apr 2024** **Kaur, N.** **8-Membered Heterocycle Synthesis** **(2023) 8-Membered Heterocycle Synthesis, pp. 1-543. Cited 1 time.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152803619&doi=10.1016%2fC2021-0-03322-8&partnerID=40&md5=2390003355c99b5ffa3888cbe42eda5d** **DOI: 10.1016/C2021-0-03322-8** **DOCUMENT TYPE: Book** **SOURCE: Scopus** **Souri, Z., Masoudi Khoram, M., Nematollahi, D., Mazloum-Ardakani, M., Alizadeh, H.** **A green protocol for the electrochemical synthesis of a fluorescent dye with antibacterial activity from imipramine oxidation** **(2022) Scientific Reports, 12 (1), art. no. 4921, . Cited 2 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126840445&doi=10.1038%2fs41598-022-08770-4&partnerID=40&md5=d2533f1fd309d55985f7cf049869133a** **DOI: 10.1038/s41598-022-08770-4** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Wang, R., Jin, R.-X., Qin, Z.-Y., Bian, K.-J., Wang, X.-S.** **Novel and facile synthesis of 1-benzazepines via copper-catalyzed oxidative C(sp3)-H/C(sp2)-H cross-coupling**	

	(2017) Chemical Communications, 53 (90), pp. 12229-12232. Cited 43 times. **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85033579483&doi=10.1039%2fc7cc07027f&partnerID=40&md5=1b2b64ac2cb3e2f547bf4ffef0537726** **DOI: 10.1039/c7cc07027f** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Tian, M., Abdelrahman, A., Weinhausen, S., Hinz, S., Weyer, S., Dosa, S., El-Tayeb, A., Müller, C.E.** **Carbamazepine derivatives with P2X4 receptor-blocking activity** **(2014) Bioorganic and Medicinal Chemistry, 22 (3), pp. 1077-1088. Cited 38 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84892829829&doi=10.1016%2fj.bmc.2013.12.035&partnerID=40&md5=9076c9d86f23cc0e8b88e10ad055b951** **DOI: 10.1016/j.bmc.2013.12.035** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **El-Aal, H.A.K.A., Khalaf, A.A.** **Friedel-crafts chemistry. Part 39. unprecedented facile route to the synthesis of benzo[b][1]benzazepines via intramolecular friedel-crafts cyclialkylations** **(2013) Australian Journal of Chemistry, 66 (6), pp. 635-645. Cited 8 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84879540190&doi=10.1071%2fCH12548&partnerID=40&md5=ab0484f63b5ed813591c3c0944032053** **DOI: 10.1071/CH12548** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Nedolya, N.A., Trofimov, B.A.** **-Electrocyclization reactions in the synthesis of azepine derivatives** **(2013) Chemistry of Heterocyclic Compounds, 49 (1), pp. 152-176. Cited 21 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84877617304&doi=10.1007%2fs10593-013-1236-y&partnerID=40&md5=f228cf50e52a5d0abeacc245ada5ccfc** **DOI: 10.1007/s10593-013-1236-y** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Abd El-Aal, H.A.K., Khalaf, A.A.** **Friedel-Crafts chemistry. Part 40. An expedient novel synthesis of some dibenz-azepines, -azocines, 11H-benzo[f]pyrido[2,3-b]azepines and 6H-benzo[g]pyrido[2,3-c]azocines** **(2013) Arkivoc, 2013 (4), pp. 306-322. Cited 10 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84884873296&doi=10.3998%2fark.5550190.p008.163&partnerID=40&md5=01306ea503261e3f8cefdb0eb7944d40** **DOI: 10.3998/ark.5550190.p008.163** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Yousuf, S., Khan, M., Fazal, S., Butt, M., Basha, F.Z.** **5-(Prop-2-yn-yl)-5H-dibenzo[b,f]azepine** **(2012) Acta Crystallographica Section E: Structure Reports Online, 68 (4), pp. o1101. Cited 6 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84860290316&doi=10.1107%2fS1600536812007866&partnerID=40&md5=29a156b3ce95cbe618873b71119fa13a** **DOI: 10.1107/S1600536812007866** **DOCUMENT TYPE: Article** **SOURCE: Scopus**	
16	**Domino reactions - A versatile synthetic methodology in organic chemistry. Part II. Hetero-domino reactions, Balaure, PCF; Filip, PIA, REVUE ROUMAINE DE CHIMIE, 2001, 46(8), 809-833, WOS:000177989900001**	17

Scopus
EXPORT DATE:21 Apr 2024

Pellissier, H.
Recent Developments in Enantioselective Multicatalyzed Tandem Reactions
(2020) Advanced Synthesis and Catalysis, 362 (12), pp. 2289-2325. Cited 42 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084576379&doi=10.1002%2fadsc.202000210&partnerID=40&md5=98a7d1b37ee6cc539f82889b50734d57

DOI: 10.1002/adsc.202000210
DOCUMENT TYPE: Review
SOURCE: Scopus

Pellissier, H.
Asymmetric metal catalysis in enantioselective domino reactions
(2019) Asymmetric Metal Catalysis in Enantioselective Domino Reactions, pp. 1-383. Cited 22 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088926466&doi=10.1002%2f9783527822539&partnerID=40&md5=774c8a250925f50679a52bafeed42f4e

DOI: 10.1002/9783527822539
DOCUMENT TYPE: Book
SOURCE: Scopus

Pellissier, H.
Recent Developments in the [5+2] Cycloaddition
(2018) Advanced Synthesis and Catalysis, 360 (8), pp. 1551-1583. Cited 78 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041022041&doi=10.1002%2fadsc.201701379&partnerID=40&md5=7af7dd31641da615f89989507b735e64

DOI: 10.1002/adsc.201701379
DOCUMENT TYPE: Review
SOURCE: Scopus

Bhar, S., Ramana, M.M.V.
Domino reactions in drug design and discovery
(2016) Current Drug Discovery Technologies, 13 (3), pp. 170-187. Cited 5 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84995792498&doi=10.2174%2f1570163813666160819105059&partnerID=40&md5=4ad66a96a1ed8c3cd4b1d167de07e793

DOI: 10.2174/1570163813666160819105059
DOCUMENT TYPE: Article
SOURCE: Scopus

Pellissier, H.
Recent Developments in Enantioselective Metal-Catalyzed Domino Reactions
(2016) Advanced Synthesis and Catalysis, 358 (14), pp. 2194-2259. Cited 96 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84978187204&doi=10.1002%2fadsc.201600462&partnerID=40&md5=67c19eccc9b54df158077cc191fbb684

DOI: 10.1002/adsc.201600462
DOCUMENT TYPE: Review
SOURCE: Scopus

Pellissier, H.
Introduction to Asymmetric Domino Reactions
(2016) Domino and Intramolecular Rearrangement Reactions as Advanced Synthetic Methods in Glycoscience, pp. 1-15.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84977463295&doi=10.1002%2f9781119044222.ch1&partnerID=40&md5=311b6304e8869a90c65cfa2ddd14c222

DOI: 10.1002/9781119044222.ch1
DOCUMENT TYPE: Editorial
SOURCE: Scopus

Pellissier, H.
Enantioselective Titanium-Catalysed Transformation
(2016) Enantioselective Titanium-Catalysed Transformations, pp. 1-265. Cited 21 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127165529&doi=10.1142%2fp1065&partnerID=40&md5=4bf172f14e8bfa5402b32a369d27e45e

DOI: 10.1142/p1065
DOCUMENT TYPE: Book
SOURCE: Scopus

Enantioselective nickel(II)-catalysed conjugate addition reactions
(2016) RSC Catalysis Series, 2016-January (26), pp. 36-102. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84974691162&doi=10.1039%2f9781782626701-00036&partnerID=40&md5=4b4b42e95587ac3aa81646434bb9e24b

DOI: 10.1039/9781782626701-00036
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Pellissier, H.
Recent Developments in Enantioselective Nickel(II)-Catalyzed Conjugate Additions
(2015) Advanced Synthesis and Catalysis, 357 (13), pp. 2745-2780. Cited 54 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84941801803&doi=10.1002%2fadsc.201500512&partnerID=40&md5=5e640265603848b558a481e40afa4b67

DOI: 10.1002/adsc.201500512
DOCUMENT TYPE: Review
SOURCE: Scopus

Volla, C.M.R., Atodiresei, I., Rueping, M.
Catalytic C-C bond-forming multi-component cascade or domino reactions: Pushing the boundaries of complexity in asymmetric organocatalysis
(2014) Chemical Reviews, 114 (4), pp. 2390-2431. Cited 967 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84897671012&doi=10.1021%2fcr400215u&partnerID=40&md5=633c7cd7b07cd56f89b8f94724b5c247

DOI: 10.1021/cr400215u
DOCUMENT TYPE: Review
SOURCE: Scopus

Pellissier, H.
Organocatalysis in domino processes
(2013) Domino Reactions: Concepts for Efficient Organic Synthesis, pp. 325-418. Cited 11 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85017371120&doi=10.1002%2f9783527671304.ch10&partnerID=40&md5=a24c45b94e1a529d78383e34ff1e20ec

DOI: 10.1002/9783527671304.ch10
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Pellissier, H.
Recent developments in enantioselective multicatalysed tandem reactions
(2013) Tetrahedron, 69 (35), pp. 7171-7210. Cited 152 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84880716607&doi=10.1016%2fj.tet.2013.06.020&partnerID=40&md5=2959536f93f07d4431f968bdb91b488e

DOI: 10.1016/j.tet.2013.06.020
DOCUMENT TYPE: Review
SOURCE: Scopus

Pellissier, H.
Formation of 3-, 4-and 5-Membered Cycles by Intermolecular Reactions
(2013) Comprehensive Enantioselective Organocatalysis: Catalysts, Reactions, and Applications, 3-3, pp. 1091-1130. Cited 3 times.

	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84929375986&doi=10.1002%2f9783527658862.ch37&partnerID=40&md5=719f6328d1cc314f85cb4fc985686cfb DOI: 10.1002/9783527658862.ch37 DOCUMENT TYPE: Book Chapter SOURCE: Scopus Pellissier, H. Stereocontrolled domino reactions (2013) Chemical Reviews, 113 (1), pp. 442-524. Cited 617 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-84872244061&doi=10.1021%2fcr300271k&partnerID=40&md5=c397300305563a4fcbc897df2e8fdcb1 DOI: 10.1021/cr300271k DOCUMENT TYPE: Review SOURCE: Scopus Clavier, H., Pellissier, H. Recent developments in enantioselective metal-catalyzed domino reactions (2012) Advanced Synthesis and Catalysis, 354 (18), pp. 3347-3403. Cited 176 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-84871051265&doi=10.1002%2fadsc.201200254&partnerID=40&md5=c2be8c2315b820a7a3e56e58cf9a32d6 DOI: 10.1002/adsc.201200254 DOCUMENT TYPE: Review SOURCE: Scopus Pellissier, H. Recent developments in asymmetric organocatalytic domino reactions (2012) Advanced Synthesis and Catalysis, 354 (2-3), pp. 237-294. Cited 553 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-84857258027&doi=10.1002%2fadsc.201100714&partnerID=40&md5=d1e2b7512aaef1ab0e9d02e403b4f6a0 DOI: 10.1002/adsc.201100714 DOCUMENT TYPE: Review SOURCE: Scopus Ramachary, D.B., Anebouselvy, K., Chowdari, N.S., Barbas III, C.F. Direct organocatalytic asymmetric heterodomino reactions: The Knoevenagel/Diels-Alder/epimerization sequence for the highly diastereoselective synthesis of symmetrical and nonsymmetrical synthons of benzoannelated centropolyquinanes (2004) Journal of Organic Chemistry, 69 (18), pp. 5838-5849. Cited 182 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-4344651568&doi=10.1021%2fjo049581r&partnerID=40&md5=cf9f0417031ac906729b7c36ba4c3ca0 DOI: 10.1021/jo049581r DOCUMENT TYPE: Article SOURCE: Scopus	
17	**Domino reactions - A versatile synthetic methodology in organic chemistry. Part I. Homo-domino reactions, Balaure, PCF; Filip, PIA, REVUE ROUMAINE DE CHIMIE, 2001, 46(7), 679--702**	2
	Scopus EXPORT DATE:21 Apr 2024 Volla, C.M.R., Atodiresei, I., Rueping, M. Catalytic C-C bond-forming multi-component cascade or domino reactions: Pushing the boundaries of complexity in asymmetric organocatalysis (2014) Chemical Reviews, 114 (4), pp. 2390-2431. Cited 967 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-84897671012&doi=10.1021%2fcr400215u&partnerID=40&md5=633c7cd7b07cd56f89b8f94724b5c247 DOI: 10.1021/cr400215u DOCUMENT TYPE: Review SOURCE: Scopus	

	Ramachary, D.B., Anebouselvy, K., Chowdari, N.S., Barbas III, C.F. Direct organocatalytic asymmetric heterodomino reactions: The Knoevenagel/Diels-Alder/epimerization sequence for the highly diastereoselective synthesis of symmetrical and nonsymmetrical synthons of benzoannelated centropolyquinanes (2004) Journal of Organic Chemistry, 69 (18), pp. 5838-5849. Cited 182 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-4344651568&doi=10.1021%2fjo049581r&partnerID=40&md5=cf9f0417031ac906729b7c36ba4c3ca0 DOI: 10.1021/jo049581r DOCUMENT TYPE: Article SOURCE: Scopus	
18	**Ring opening reactions in benzocyclobutenonic systems, Balaure, PCF; Cornilescu, NA; Petride, AG; Filip, PIA; Badescu, VM; Radu, MS, REVUE ROUMAINE DE CHIMIE, 2000, Volume: 45 Issue: 7-8 Pages: 779-793, WOS:000168499800024**	
19	**A NEW SYNTHESIS OF ISOBENZOFURAN-1(3H)-ONE, BALAURE, P; CORNILESCU, N; FILIP, P, REVUE ROUMAINE DE CHIMIE, 1992, Volume: 37 Issue: 9 Pages: 1063-1065, WOS:A1992JZ34100013**	
20	**MEMBRANES IN SEPARATION PROCESSES .3. PERVAPORATION, BALAURE, P; POPESCU, G, REVISTA DE CHIMIE, 1990, Volume: 41 Issue: 4 Pages: 320-328, WOS:A1990DX17000005**	
21	**Organic Polymeric Nanomaterials as Advanced Tools in the Fight Against Antibiotic-Resistant Infections, Balaure, P.C., Gudovan, D., Gudovan, I., FUNCTIONALIZED NANOMATERIALS FOR THE MANAGEMENT OF MICROBIAL INFECTION: A STRATEGY TO ADDRESS MICROBIAL DRUG RESISTANCE Edited by:Boukherroub, R; Szunerits, S; Drider, D Book Series: Micro & Nano Technologies, Pages: 153-265, Published: 2017, DOI10.1016/B978-0-323-41625-2.00006-5, WOS:000426404600007**	5
	Scopus **EXPORT DATE:21 Apr 2024** **Hajimohammadi, S., Momtaz, H., Tajbakhsh, E.** **Fabrication and antimicrobial properties of novel meropenem-honey encapsulated chitosan nanoparticles against multiresistant and biofilm-forming Staphylococcus aureus as a new antimicrobial agent** **(2024) Veterinary Medicine and Science, 10 (3), art. no. e1440, .** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85190368563&doi=10.1002%2fvms3.1440&partnerID=40&md5=08580f1d891bc0a01c6cbbb6861d3159** **DOI: 10.1002/vms3.1440** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Verma, R.K., Nagar, V., Sharma, A., Mavry, B., Kumari, P., Lohar, S., Singhal, A., Prajapati, M.K., Singh, A., Awasthi, K.K., Sankhla, M.S.** **Green Synthesized Nanoparticles Targeting Antimicrobial Activities** **(2023) Biointerface Research in Applied Chemistry, 13 (5), art. no. 469, . Cited 1 time.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145709421&doi=10.33263%2fBRIAC135.469&partnerID=40&md5=76353bc450f17238eea3a1f012fa2268** **DOI: 10.33263/BRIAC135.469** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Elhadad, A.A., Alcudia, A., Begines, B., Pérez-Soriano, E.M., Torres, Y.** **A multidisciplinary perspective on the latest trends in artificial cartilage fabrication to mimic real tissue** **(2022) Applied Materials Today, 29, art. no. 101603, . Cited 5 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134887680&doi=10.1016%2fj.apmt.2022.101603&partnerID=40&md5=1d3328ad2ade29ece1d8463c9ce64696** **DOI: 10.1016/j.apmt.2022.101603** **DOCUMENT TYPE: Review** **SOURCE: Scopus**	

	Graves, J.L., Jr. **Principles and Applications of Antimicrobial Nanomaterials** **(2021) Principles and Applications of Antimicrobial Nanomaterials, pp. 1-335. Cited 4 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128007392&doi=10.1016%2fB978-0-12-822105-1.00019-6&partnerID=40&md5=e59352e077c7fcd1d4fcb447fa1cb6de** **DOI: 10.1016/B978-0-12-822105-1.00019-6** **DOCUMENT TYPE: Book** **SOURCE: Scopus** **Ellinas, K., Kefallinou, D., Stamatakis, K., Gogolides, E., Tserepi, A.** **Is There a Threshold in the Antibacterial Action of Superhydrophobic Surfaces?** **(2017) ACS Applied Materials and Interfaces, 9 (45), pp. 39781-39789. Cited 104 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034622021&doi=10.1021%2facsami.7b11402&partnerID=40&md5=9c56d5c77877180612f996ce7129d3b7** **DOI: 10.1021/acsami.7b11402** **DOCUMENT TYPE: Article** **SOURCE: Scopus**	
22	**NANOTECHNOLOGY DEPOLLUTION OF HEAVY METALS PRESENT IN POTABLE WATER, Balaure, P.C., Gudovan, D., Gudovan, I. WATER PURIFICATION Edited by:Grumezescu, AM Book Series: Nanotechnology in the Agri-Food Industry, Volume: 9 Pages: 551-586** **DOI: 10.1016/B978-0-12-804300-4.00016-2** **Published: 2017, WOS: 000422862100019**	7
	Scopus **EXPORT DATE:21 Apr 2024** **Dey, S., Manna, K., Pradhan, P., Sarkar, A.N., Roy, A., Pal, S.** **Review of Polymeric Nanocomposites for Photocatalytic Wastewater Treatment** **(2024) ACS Applied Nano Materials, 7 (5), pp. 4588-4614.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85186076868&doi=10.1021%2facsanm.3c05427&partnerID=40&md5=2869871954ce6942fd28b30fa31f8b1a** **DOI: 10.1021/acsanm.3c05427** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Hezarjaribi, M., Bakeri, G., Sillanpää, M., Chaichi, M.J., Akbari, S., Rahimpour, A.** **New strategy to enhance heavy metal ions removal from synthetic wastewater by mercapto-functionalized hydrous manganese oxide via adsorption and membrane separation** **(2021) Environmental Science and Pollution Research, 28 (37), pp. 51808-51825. Cited 12 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105963561&doi=10.1007%2fs11356-021-14326-2&partnerID=40&md5=a708318566aa4cc15160553b894a6be5** **DOI: 10.1007/s11356-021-14326-2** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Hezarjaribi, M., Bakeri, G., Sillanpää, M., Chaichi, M.J., Akbari, S., Rahimpour, A.** **Novel adsorptive PVC nanofibrous/thiol-functionalized TNT composite UF membranes for effective dynamic removal of heavy metal ions** **(2021) Journal of Environmental Management, 284, art. no. 111996, . Cited 40 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100050405&doi=10.1016%2fj.jenvman.2021.111996&partnerID=40&md5=7e5deb18b31b084b324aab9c0ecd61f8** **DOI: 10.1016/j.jenvman.2021.111996** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Saya, L., Gautam, D., Malik, V., Singh, W.R., Hooda, S.** **Natural Polysaccharide Based Graphene Oxide Nanocomposites for Removal of Dyes from Wastewater: A Review** **(2021) Journal of Chemical and Engineering Data, 66 (1), pp. 11-37. Cited 47 times.**	

	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096605023&doi=10.1021%2facs.jced.0c00743&partnerID=40&md5=0130cae9e56c370ace2fe0ee23cfa935 **DOI: 10.1021/acs.jced.0c00743** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Hezarjaribi, M., Bakeri, G., Sillanpää, M., Chaichi, M.J., Akbari, S.** **Novel adsorptive membrane through embedding thiol-functionalized hydrous manganese oxide into PVC electrospun nanofiber for dynamic removal of Cu(II) and Ni(II) ions from aqueous solution** **(2020) Journal of Water Process Engineering, 37, art. no. 101401, . Cited 23 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087854551&doi=10.1016%2fj.jwpe.2020.101401&partnerID=40&md5=b2466e17d4b231ef00f93fa13782e928** **DOI: 10.1016/j.jwpe.2020.101401** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Akshaya, K.B., Reenamole, G., Sasitharan, K., Vinod, T.P., Varghese, A., George, L.** **Trace level determination of Hg 2+ ions in environmental samples with a mercaptotriazole-functionalized TiO 2 nanostructure-based fluorescent probe** **(2019) Analytical Methods, 11 (4), pp. 537-547. Cited 5 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060587760&doi=10.1039%2fc8ay02109k&partnerID=40&md5=9ffba58178e994f1da01e380eafd3092** **DOI: 10.1039/c8ay02109k** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Palacio, J.A.J., Bello, E.W.B., Cagigas, J.A.M., Arnache, O., Landínez-Téllez, D.A., Roa-Rojas, J.** **Structure and physical properties of the LaBiFe2O6 perovskite produced by the modified pechini method** **(2017) Materials Research, 20 (5), pp. 1309-1316. Cited 7 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85031280009&doi=10.1590%2f1980-5373-MR-2017-0290&partnerID=40&md5=7cd4b7d32522a15460d5292d2db45c9b** **DOI: 10.1590/1980-5373-MR-2017-0290** **DOCUMENT TYPE: Article** **SOURCE: ScopusArticole ISI**	
	ARTICOLE ISI	
23	**Mesoporous silica coatings for cephalosporin active release at the bone-implant interface, Rădulescu, D., Voicu, G., Oprea, A.E., Andronescu, E., Grumezescu, V., Holban, A.M., Vasile, B.S., Surdu, A.V., Grumezescu, A.M. , Socol, G., Mogoantă, L., Mogoşanu, G.D., Balaure, P.C., Rădulescu, R., Chifiriuc, M.C., Applied Surface Science, 2016, 374, 165-171, DOI: 10.1016/j.apsusc.2015.10.183, WOS: 000375937300027**	19
	Scopus EXPORT DATE:21 Apr 2024 Constantinescu, S., Niculescu, A.-G., Hudiță, A., Grumezescu, V., Rădulescu, D., Bîrcă, A.C., Dorcioman, G., Gherasim, O., Holban, A.M., Gălățeanu, B., Vasile, B.Ú., Grumezescu, A.M., Bolocan, A., Rădulescu, R. Nanostructured Coatings Based on Graphene Oxide for the Management of Periprosthetic Infections (2024) International Journal of Molecular Sciences, 25 (4), art. no. 2389, . https://www.scopus.com/inward/record.uri?eid=2-s2.0-85185900590&doi=10.3390%2fijms25042389&partnerID=40&md5=5ea5b9eb49c0bf42a25e81def0e7ecc8 DOI: 10.3390/ijms25042389 DOCUMENT TYPE: Article SOURCE: Scopus Yekani, M., Azargun, R., Sharifi, S., Sadri Nahand, J., Hasani, A., Ghanbari, H., Sadat Seyyedi, Z., Memar, M.Y., Maleki Dizaj, S. Preparation, Physicochemical Characterization, Antimicrobial Effects, Biocompatibility and Cytotoxicity of Co-Loaded Meropenem and Vancomycin in Mesoporous Silica Nanoparticles (2023) Biomedicines, 11 (11), art. no. 3075, . https://www.scopus.com/inward/record.uri?eid=2-s2.0-	

85178343452&doi=10.3390%2fbiomedicines11113075&partnerID=40&md5=db7d7510fec771c0e9e9bd5b19b1de06

DOI: 10.3390/biomedicines11113075
DOCUMENT TYPE: Article
SOURCE: Scopus

Aldeek, Z.A.O.
Toward sustainable landscape irrigation using a novel design for water collection systems that use atmospheric moisture condensation
(2023) Journal of Water and Climate Change, 14 (9), pp. 3054-3070.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173218073&doi=10.2166%2fwcc.2023.135&partnerID=40&md5=21ca47f67ec5bc68f94f655635e87cb0

DOI: 10.2166/wcc.2023.135
DOCUMENT TYPE: Article
SOURCE: Scopus

Memar, M.Y., Yekani, M., Farajnia, S., Ghadiri Moghaddam, F., Nabizadeh, E., Sharifi, S., Maleki Dizaj, S.
Antibacterial and biofilm-inhibitory effects of vancomycin-loaded mesoporous silica nanoparticles on methicillin-resistant staphylococcus aureus and gram-negative bacteria
(2023) Archives of Microbiology, 205 (4), art. no. 109, . Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150000936&doi=10.1007%2fs00203-023-03447-6&partnerID=40&md5=33c6e3ed33154bc92559242db3d1b082

DOI: 10.1007/s00203-023-03447-6
DOCUMENT TYPE: Article
SOURCE: Scopus

Memar, M.Y., Yekani, M., Ghanbari, H., Nabizadeh, E., Vahed, S.Z., Dizaj, S.M., Sharifi, S.
Antimicrobial and antibiofilm activities of meropenem loaded-mesoporous silica nanoparticles against carbapenem-resistant Pseudomonas aeruginosa
(2021) Journal of Biomaterials Applications, 36 (4), pp. 605-612. Cited 10 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102710516&doi=10.1177%2f08853282211003848&partnerID=40&md5=c278ca09c43333419eb30a268d2a7da1

DOI: 10.1177/08853282211003848
DOCUMENT TYPE: Article
SOURCE: Scopus

Sartori, B., Amenitsch, H., Marmiroli, B.
Functionalized mesoporous thin films for biotechnology
(2021) Micromachines, 12 (7), art. no. 740, . Cited 8 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109184747&doi=10.3390%2fmi12070740&partnerID=40&md5=e045f8dac2a778ff5b7bb2e5591bc310

DOI: 10.3390/mi12070740
DOCUMENT TYPE: Review
SOURCE: Scopus

Grumezescu, V., Negut, I., Gherasim, O., Birca, A.C., Grumezescu, A.M., Hudita, A., Galateanu, B., Costache, M., Andronescu, E., Holban, A.M.
Antimicrobial applications of MAPLE processed coatings based on PLGA and lincomycin functionalized magnetite nanoparticles
(2019) Applied Surface Science, 484, pp. 587-599. Cited 14 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064445365&doi=10.1016%2fj.apsusc.2019.04.112&partnerID=40&md5=7b2b9dd22dc972129693995c2d309cea

DOI: 10.1016/j.apsusc.2019.04.112
DOCUMENT TYPE: Article
SOURCE: Scopus

Bernardos, A., Piacenza, E., Sancenón, F., Hamidi, M., Maleki, A., Turner, R.J., Martínez-Máñez, R.

Mesoporous Silica-Based Materials with Bactericidal Properties
(2019) Small, 15 (24), art. no. 1900669, . Cited 128 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065210458&doi=10.1002%2fsmll.201900669&partnerID=40&md5=96deb0d046f49f85dda3900599c27aa9

DOI: 10.1002/smll.201900669
DOCUMENT TYPE: Review
SOURCE: Scopus

Scilletta, N.A., Municoy, S., Bellino, M.G., Soler-Illia, G.J.A.A., Desimone, M.F., Catalano, P.N.
Advanced coating nanomaterials for drug release applications
(2019) Photoenergy and Thin Film Materials, pp. 413-471. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102157983&doi=10.1002%2f9781119580546.ch10&partnerID=40&md5=8aff9d213c4e322559a58276fc80126b

DOI: 10.1002/9781119580546.ch10
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Gherasim, O., Grumezescu, V., Socol, G., Ficai, A.
Nanoarchitectonics prepared by laser processing and their biomedicinal applications
(2019) Nanoarchitectonics in Biomedicine, pp. 23-53. Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082579412&doi=10.1016%2fB978-0-12-816200-2.00018-9&partnerID=40&md5=b792dffadf24f4d2d4f03228fbe45c30

DOI: 10.1016/B978-0-12-816200-2.00018-9
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Martínez-Carmona, M., Gun'ko, Y.K., Vallet-Regí, M.
Mesoporous silica materials as drug delivery: "the nightmare" of bacterial infection
(2018) Pharmaceutics, 10 (4), art. no. 279, . Cited 73 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059350009&doi=10.3390%2fpharmaceutics10040279&partnerID=40&md5=84ac2b4d5c2949af330794d8215c5d5a

DOI: 10.3390/pharmaceutics10040279
DOCUMENT TYPE: Review
SOURCE: Scopus

Yu, X., Wang, L., Yang, P., Xu, J., Moloney, M.G., Liu, L., Pan, Y., Wang, Y.
Preparation, Post-Modification, and Antibacterial Application of Gelatin Electrospun Membranes
(2018) Macromolecular Bioscience, 18 (8), art. no. 1800093, . Cited 5 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051290664&doi=10.1002%2fmabi.201800093&partnerID=40&md5=c7c31f3f504c90081afdbc877d68575f

DOI: 10.1002/mabi.201800093
DOCUMENT TYPE: Article
SOURCE: Scopus

Aydogdu, M.O., Oprea, A.E., Trusca, R., Surdu, A.V., Ficai, A., Holban, A.M., Iordache, F., Paduraru, A.V., Filip, D.G., Altun, E., Ekren, N., Oktar, F.N., Gunduz, O.
Production and Characterization of Antimicrobial Electrospun Nanofibers Containing Polyurethane, Zirconium Oxide and Zeolite
(2018) BioNanoScience, 8 (1), pp. 154-165. Cited 9 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044368660&doi=10.1007%2fs12668-017-0443-x&partnerID=40&md5=37d4860e170b7aee7fcfbc4619765126

DOI: 10.1007/s12668-017-0443-x
DOCUMENT TYPE: Article
SOURCE: Scopus

Ning, L.G., Kang, E.-T., Wang, Y.B., Hu, X.F., Xu, L.Q.
Recent developments in controlled release of antibiotics

	(2018) Current Pharmaceutical Design, 24 (8), pp. 911-925. Cited 12 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048871785&doi=10.2174%2f1381612824666180315094947&partnerID=40&md5=78bf2cd7f29a66aadddfe8052b5c10b1 DOI: 10.2174/1381612824666180315094947 DOCUMENT TYPE: Review SOURCE: Scopus Lin, J., Pan, Z., Song, L., Zhang, Y., Li, Y., Hou, Z., Lin, C. Design and in vitro evaluation of self-assembled indometacin prodrug nanoparticles for sustained/controlled release and reduced normal cell toxicity (2017) Applied Surface Science, 425, pp. 674-681. Cited 12 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85024501972&doi=10.1016%2fj.apsusc.2017.07.034&partnerID=40&md5=92a68e7feaa25d1a8b7f0143e683a61b DOI: 10.1016/j.apsusc.2017.07.034 DOCUMENT TYPE: Article SOURCE: Scopus Popescu, R.-C., Fufa, O., Apostol, A.I., Popescu, D., Grumezescu, A.M., Andronescu, E. Antimicrobial Thin Coatings Prepared by Laser Processing (2017) Nanostructures for Antimicrobial Therapy: Nanostructures in Therapeutic Medicine Series, pp. 223-236. Cited 3 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032682197&doi=10.1016%2fB978-0-323-46152-8.00009-3&partnerID=40&md5=376d0d86b9d25f4e1d130e5fbdb91f7a DOI: 10.1016/B978-0-323-46152-8.00009-3 DOCUMENT TYPE: Book Chapter SOURCE: Scopus Ficai, D., Ficai, A., Melinescu, A., Andronescu, E. Nanotechnology: A challenge in hard tissue engineering with emphasis on bone cancer therapy (2017) Nanostructures for Cancer Therapy, pp. 513-539. Cited 4 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040618986&doi=10.1016%2fB978-0-323-46144-3.00020-9&partnerID=40&md5=52cbbf8a20d883382b04006e37d9a793 DOI: 10.1016/B978-0-323-46144-3.00020-9 DOCUMENT TYPE: Book Chapter SOURCE: Scopus Bao, Y., Wang, T., Kang, Q., Shi, C., Ma, J. Micelle-template synthesis of hollow silica spheres for improving water vapor permeability of waterborne polyurethane membrane (2017) Scientific Reports, 7, art. no. 46638, . Cited 70 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85030543830&doi=10.1038%2fsrep46638&partnerID=40&md5=060f43a2445311b38af3c79bd60f3792 DOI: 10.1038/srep46638 DOCUMENT TYPE: Article SOURCE: Scopus Yang, P., Moloney, M.G. Surface modification using crosslinking of diamine and a bis(diarylcarbene): Synthesis, characterization, and antibacterial activity: Via binding hydrogen peroxide (2017) RSC Advances, 7 (47), pp. 29645-29655. Cited 14 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85021661862&doi=10.1039%2fc7ra05258h&partnerID=40&md5=ff19c10f003a88cd5c28c97166827321 DOI: 10.1039/c7ra05258h DOCUMENT TYPE: Article SOURCE: Scopus	
24	**Functionalized antibiofilm thin coatings based on PLA-PVA microspheres loaded with usnic acid natural compounds fabricated by MAPLE, Grumezescu, V., Socol, G., Grumezescu, A.M., Holban, A.M., Ficai, A.,**	63

	Trușcă, R., Bleotu, C., Balaure, P.C., Cristescu, R., Chifiriuc, M.C., Applied Surface Science, 302, 2014, 262-267, DOI: 10.1016/j.apsusc.2013.09.081, WOS:000333405800053	
	Scopus **EXPORT DATE:21 Apr 2024** **Zhang, T., Liu, Z., Zhao, J., Zhang, H., Chen, W., Li, H., Lu, W., Xiao, Y., Zhou, X.** **Multi-omics analysis of the biofilm forming mechanism of Bifidobacterium longum** **(2023) LWT, 188, art. no. 115415, .** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174173805&doi=10.1016%2fj.lwt.2023.115415&partnerID=40&md5=ecd2396ecb46d7067dc886a8352916ac** **DOI: 10.1016/j.lwt.2023.115415** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Stoica, A.E., Albuleț, D., Bîrcă, A.C., Iordache, F., Ficai, A., Grumezescu, A.M., Vasile, B.Ú., Andronescu, E., Marinescu, F., Holban, A.M.** **Electrospun Nanofibrous Mesh Based on PVA, Chitosan, and Usnic Acid for Applications in Wound Healing** **(2023) International Journal of Molecular Sciences, 24 (13), art. no. 11037, . Cited 3 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164847002&doi=10.3390%2fijms241311037&partnerID=40&md5=0ca5815853ece7059906b55f32d10de4** **DOI: 10.3390/ijms241311037** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Bîrcă, A.C., Chircov, C., Niculescu, A.G., Hildegard, H., Baltă, C., Roșu, M., Mladin, B., Gherasim, O., Mihaiescu, D.E., Vasile, B.Ú., Grumezescu, A.M., Andronescu, E., Hermenean, A.O.** **H2O2-PLA-(Alg)2Ca Hydrogel Enriched in Matrigel® Promotes Diabetic Wound Healing** **(2023) Pharmaceutics, 15 (3), art. no. 857, . Cited 6 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151473102&doi=10.3390%2fpharmaceutics15030857&partnerID=40&md5=b421036678092661c55d5f8fecc29b80** **DOI: 10.3390/pharmaceutics15030857** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Gherasim, O., Grumezescu, V., Irimiciuc, S.A.** **Overview of Antimicrobial Biodegradable Polyester-Based Formulations** **(2023) International Journal of Molecular Sciences, 24 (3), art. no. 2945, . Cited 1 time.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147894096&doi=10.3390%2fijms24032945&partnerID=40&md5=7681e1152400d3584904293078649235** **DOI: 10.3390/ijms24032945** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Zhang, T., Liu, Z., Wang, H., Zhang, H., Li, H., Lu, W., Zhu, J.** **Multi-omics analysis reveals genes and metabolites involved in Bifidobacterium pseudocatenulatum biofilm formation** **(2023) Frontiers in Microbiology, 14, art. no. 1287680, .** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177646071&doi=10.3389%2ffmicb.2023.1287680&partnerID=40&md5=56adeea4f96447e6fd279d56438bacac** **DOI: 10.3389/fmicb.2023.1287680** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Glinka, M., Filatova, K., Kucińska-Lipka, J., Šopík, T., Domincová Bergerová, E., Mikulcová, V., Wasik, A., Sedlařík, V.** **Antibacterial Porous Systems Based on Polylactide Loaded with Amikacin**	

	(2022) Molecules, 27 (20), art. no. 7045, . Cited 2 times. **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140908933&doi=10.3390%2fmolecules27207045&partnerID=40&md5=2443fdd999c5e759d3a4a066b54cd1c0** **DOI: 10.3390/molecules27207045** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Mostafavi, E., Dubey, A.K., Walkowiak, B., Kaushik, A., Ramakrishna, S., Teodori, L.** **Antimicrobial surfaces for implantable cardiovascular devices** **(2022) Current Opinion in Biomedical Engineering, 23, art. no. 100406, . Cited 12 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136501543&doi=10.1016%2fj.cobme.2022.100406&partnerID=40&md5=93f6f93c1bbe375131c21fe2366a6572** **DOI: 10.1016/j.cobme.2022.100406** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Yu, N., Zhang, D., Lei, Y., Wang, J., Dong, Y., Chen, Y.** **Innovative Coating–Etching Method of Biocarrier Fabrication for Treating Wastewater with a Low C/N Ratio** **(2022) Polymers, 14 (15), art. no. 3010, . Cited 1 time.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137120754&doi=10.3390%2fpolym14153010&partnerID=40&md5=a4125e0c1c84548d904bc8bb2b00fb57** **DOI: 10.3390/polym14153010** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Caciandone, M., Niculescu, A.-G., Grumezescu, V., Bîrcă, A.C., Ghica, I.C., Vasile, B.Ș., Oprea, O., Nica, I.C., Stan, M.S., Holban, A.M., Grumezescu, A.M., Anghel, I., Anghel, A.G.** **Magnetite Nanoparticles Functionalized with Therapeutic Agents for Enhanced ENT Antimicrobial Properties** **(2022) Antibiotics, 11 (5), art. no. 623, . Cited 14 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130646288&doi=10.3390%2fantibiotics11050623&partnerID=40&md5=cf9e6129a05943e0e7ef0a637aefbdb0** **DOI: 10.3390/antibiotics11050623** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Badiceanu, M., Anghel, S., Mihailescu, N., Visan, A.I., Mihailescu, C.N., Mihailescu, I.N.** **Coatings Functionalization via Laser versus Other Deposition Techniques for Medical Applications: A Comparative Review** **(2022) Coatings, 12 (1), art. no. 71, . Cited 11 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123678467&doi=10.3390%2fcoatings12010071&partnerID=40&md5=1bcbf0779179223518958ec3af602952** **DOI: 10.3390/coatings12010071** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Glinka, M., Filatova, K., Kucińska-Lipka, J., Bergerova, E.D., Wasik, A., Sedlařík, V.** **Encapsulation of Amikacin into Microparticles Based on Low-Molecular-Weight Poly(lactic acid) and Poly(lactic acid- co-polyethylene glycol)** **(2021) Molecular Pharmaceutics, 18 (8), pp. 2986-2996. Cited 8 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110959915&doi=10.1021%2facs.molpharmaceut.1c00193&partnerID=40&md5=1ad3e0888f1585c9cc4edf2863afa029** **DOI: 10.1021/acs.molpharmaceut.1c00193**	

DOCUMENT TYPE: Article
SOURCE: Scopus

Grumezescu, V., Negut, I., Cristescu, R., Grumezescu, A.M., Holban, A.M., Iordache, F., Chifiriuc, M.C., Narayan, R.J., Chrisey, D.B.
Isoflavonoid-antibiotic thin films fabricated by maple with improved resistance to microbial colonization
(2021) Molecules, 26 (12), art. no. 3634, . Cited 3 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110288251&doi=10.3390%2fmolecules26123634&partnerID=40&md5=dcf09c7c8a98f48b35a81533a7ecb5ef

DOI: 10.3390/molecules26123634
DOCUMENT TYPE: Article
SOURCE: Scopus

Rao, H., Choo, S., Mahalingam, S.R.R., Adisuri, D.S., Madhavan, P., Akim, A.Md., Chong, P.P.
Approaches for mitigating microbial biofilm-related drug resistance: a focus on micro- and nanotechnologies
(2021) Molecules, 26 (7), art. no. 1870, . Cited 19 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103862658&doi=10.3390%2fmolecules26071870&partnerID=40&md5=3801792d263ec64834ea406fe1a1838f

DOI: 10.3390/molecules26071870
DOCUMENT TYPE: Review
SOURCE: Scopus

Liu, Z., Li, L., Wang, Q., Sadiq, F.A., Lee, Y., Zhao, J., Zhang, H., Chen, W., Li, H., Lu, W.
Transcriptome analysis reveals the genes involved in bifidobacterium longum fgszy16m3 biofilm formation
(2021) Microorganisms, 9 (2), art. no. 385, pp. 1-16. Cited 15 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100731893&doi=10.3390%2fmicroorganisms9020385&partnerID=40&md5=90faf59c231954b070a713213ebc2e4f

DOI: 10.3390/microorganisms9020385
DOCUMENT TYPE: Article
SOURCE: Scopus

Negut, I., Grumezescu, V., Grumezescu, A.M., Bîrcă, A.C., Holban, A.M., Urzica, I., Avramescu, S.M., Gălăţeanu, B., Hudiţă, A.
Nanostructured thin coatings containing anthriscus sylvestris extract with dual bioactivity
(2020) Molecules, 25 (17), art. no. 25173866, . Cited 6 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090014926&doi=10.3390%2fmolecules25173866&partnerID=40&md5=7793cae17190d04863fd8dd49eb9e138

DOI: 10.3390/molecules25173866
DOCUMENT TYPE: Article
SOURCE: Scopus

Shemesh, M., Ostrov, I.
Role of Bacillus species in biofilm persistence and emerging antibiofilm strategies in the dairy industry
(2020) Journal of the Science of Food and Agriculture, 100 (6), pp. 2327-2336. Cited 24 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079402769&doi=10.1002%2fjsfa.10285&partnerID=40&md5=60dfa3749b7a0f8fb31c876cdeba4605

DOI: 10.1002/jsfa.10285
DOCUMENT TYPE: Review
SOURCE: Scopus

Zugic, A., Tadic, V., Savic, S.
Nano-and microcarriers as drug delivery systems for usnic acid: Review of literature
(2020) Pharmaceutics, 12 (2), art. no. 156, . Cited 23 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079679870&doi=10.3390%2fpharmaceutics12020156&partnerID=40&md5=9e3a3b8d4190b7c20993f0074

dae387a

DOI: 10.3390/pharmaceutics12020156
DOCUMENT TYPE: Review
SOURCE: Scopus

Grumezescu, V., Gherasim, O., Negut, I., Banita, S., Holban, A.M., Florian, P., Icriverzi, M., Socol, G.
Nanomagnetite-embedded PLGA spheres for multipurpose medical applications
(2019) Materials, 12 (16), art. no. 2521, . Cited 10 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070553665&doi=10.3390%2fma12162521&partnerID=40&md5=edfc01b398d98361a5f7350102f41253

DOI: 10.3390/ma12162521
DOCUMENT TYPE: Article
SOURCE: Scopus

Grumezescu, V., Negut, I., Gherasim, O., Birca, A.C., Grumezescu, A.M., Hudita, A., Galateanu, B., Costache, M., Andronescu, E., Holban, A.M.
Antimicrobial applications of MAPLE processed coatings based on PLGA and lincomycin functionalized magnetite nanoparticles
(2019) Applied Surface Science, 484, pp. 587-599. Cited 14 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064445365&doi=10.1016%2fj.apsusc.2019.04.112&partnerID=40&md5=7b2b9dd22dc972129693995c2d309cea

DOI: 10.1016/j.apsusc.2019.04.112
DOCUMENT TYPE: Article
SOURCE: Scopus

Keshavarzi, S., Babaei, A., Goudarzi, A., Shakeri, A.
ZnO nanoparticles as chain elasticity reducer and structural elasticity enhancer: Correlating the degradating role and localization of ZnO with the morphological and mechanical properties of PLA/PP/ZnO nanocomposite
(2019) Polymers for Advanced Technologies, 30 (4), pp. 1083-1095. Cited 18 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060556686&doi=10.1002%2fpat.4542&partnerID=40&md5=43fac8b1f15bd1513eb13ab78ed3b4e8

DOI: 10.1002/pat.4542
DOCUMENT TYPE: Article
SOURCE: Scopus

Gherasim, O., Grumezescu, V., Socol, G., Ficai, A.
Nanoarchitectonics prepared by laser processing and their biomedicinal applications
(2019) Nanoarchitectonics in Biomedicine, pp. 23-53. Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082579412&doi=10.1016%2fB978-0-12-816200-2.00018-9&partnerID=40&md5=b792dffadf24f4d2d4f03228fbe45c30

DOI: 10.1016/B978-0-12-816200-2.00018-9
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Han, X., Chen, L., He, D., He, J., Ma, Y., Wang, J., Liu, C.
Bacteria-immobilized prepartion as the microbial probe for electrochemical susceptibility test
(2019) International Journal of Electrochemical Science, 14 (3), pp. 2833-2845.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064010136&doi=10.20964%2f2019.03.45&partnerID=40&md5=28da7e7467c476652764542104250afe

DOI: 10.20964/2019.03.45
DOCUMENT TYPE: Article
SOURCE: Scopus

Yang, S., Zhang, J.
Deposition of YBCO nanoparticles on graphene nanosheets by using matrix-assisted pulsed laser evaporation
(2019) Optics and Laser Technology, 109, pp. 465-469. Cited 11 times.

https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052053897&doi=10.1016%2fj.optlastec.2018.08.039&partnerID=40&md5=48095fa00a510a0474521b3bcc478b52

DOI: 10.1016/j.optlastec.2018.08.039
DOCUMENT TYPE: Article
SOURCE: Scopus

Sarkar, R., Mittal, N., Sorensen, J., Sen, T.
A comparison of the bioactivity of usnic acid versus methylphloroacetophenone
(2018) Natural Product Communications, 13 (12), pp. 1673-1676. Cited 4 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059551916&doi=10.1177%2f1934578x1801301224&partnerID=40&md5=02167719986a5951b542eaca63817c1e

DOI: 10.1177/1934578x1801301224
DOCUMENT TYPE: Article
SOURCE: Scopus

Popescu-Pelin, G., Fufă, O., Popescu, R.C., Savu, D., Socol, M., Zgură, I., Holban, A.M., Vasile, B.Ș., Grumezescu, V., Socol, G.
Lincomycin–embedded PANI–based coatings for biomedical applications
(2018) Applied Surface Science, 455, pp. 653-666. Cited 7 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048210610&doi=10.1016%2fj.apsusc.2018.06.016&partnerID=40&md5=8ce3d9906ddf3d7c864c91a240a99d08

DOI: 10.1016/j.apsusc.2018.06.016
DOCUMENT TYPE: Article
SOURCE: Scopus

Grumezescu, V., Negut, I., Grumezescu, A.M., Ficai, A., Dorcioman, G., Socol, G., Iordache, F., Truşcă, R., Vasile, B.S., Holban, A.M.
MAPLE fabricated coatings based on magnetite nanoparticles embedded into biopolymeric spheres resistant to microbial colonization
(2018) Applied Surface Science, 448, pp. 230-236. Cited 15 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045761723&doi=10.1016%2fj.apsusc.2018.04.053&partnerID=40&md5=63239a8ee6bef1e822d4b8b621141ed7

DOI: 10.1016/j.apsusc.2018.04.053
DOCUMENT TYPE: Article
SOURCE: Scopus

Rigo, S., Cai, C., Gunkel-Grabole, G., Maurizi, L., Zhang, X., Xu, J., Palivan, C.G.
Nanoscience-Based Strategies to Engineer Antimicrobial Surfaces
(2018) Advanced Science, 5 (5), art. no. 1700892, . Cited 89 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043385117&doi=10.1002%2fadvs.201700892&partnerID=40&md5=f4061c6a2f4059a5030ed960ff9bce2e

DOI: 10.1002/advs.201700892
DOCUMENT TYPE: Review
SOURCE: Scopus

Da Costa, R.C., Pereira, E.D., Silva, F.M., De Jesus, E.O., Souza, F.G., Jr.
Drug micro-carriers based on polymers and their sterilization
(2018) Chemistry and Chemical Technology, 12 (4), pp. 473-487. Cited 10 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058168913&doi=10.23939%2fchcht12.04.473&partnerID=40&md5=f7fd91a24069611e55be003ce1bf685f

DOI: 10.23939/chcht12.04.473
DOCUMENT TYPE: Article
SOURCE: Scopus

Bellotti, N., Deyá, C.

Natural Products Applied to Antimicrobial Coatings
(2018) Studies in Natural Products Chemistry, 60, pp. 485-508. Cited 9 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057833740&doi=10.1016%2fB978-0-444-64181-6.00014-0&partnerID=40&md5=5d70c372eeec509687abdee06c9db381

DOI: 10.1016/B978-0-444-64181-6.00014-0
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Caricato, A.P., Ge, W., Stiff-Roberts, A.D.
UV- and RIR-MAPLE: Fundamentals and applications
(2018) Springer Series in Materials Science, 274, pp. 275-308. Cited 13 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054337206&doi=10.1007%2f978-3-319-96845-2_10&partnerID=40&md5=9af39478eb19bd92da4da44029cf64d3

DOI: 10.1007/978-3-319-96845-2_10
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Rașoga, O., Sima, L., Chirițoiu, M., Popescu-Pelin, G., Fufă, O., Grumezescu, V., Socol, M., Stănculescu, A., Zgură, I., Socol, G.
Biocomposite coatings based on Poly(3-hydroxybutyrate-co-3-hydroxyvalerate)/calcium phosphates obtained by MAPLE for bone tissue engineering
(2017) Applied Surface Science, 417, pp. 204-212. Cited 19 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85011949122&doi=10.1016%2fj.apsusc.2017.01.205&partnerID=40&md5=69a88f3ec2ccd3c9cba2e6982448da85

DOI: 10.1016/j.apsusc.2017.01.205
DOCUMENT TYPE: Article
SOURCE: Scopus

Popescu, R.-C., Fufa, O., Apostol, A.I., Popescu, D., Grumezescu, A.M., Andronescu, E.
Antimicrobial Thin Coatings Prepared by Laser Processing
(2017) Nanostructures for Antimicrobial Therapy: Nanostructures in Therapeutic Medicine Series, pp. 223-236. Cited 3 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032682197&doi=10.1016%2fB978-0-323-46152-8.00009-3&partnerID=40&md5=376d0d86b9d25f4e1d130e5fbdb91f7a

DOI: 10.1016/B978-0-323-46152-8.00009-3
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Chifiriuc, M.C., Kamerzan, C., Lazar, V.
Essential Oils and Nanoparticles: New Strategy to Prevent Microbial Biofilms
(2017) Nanostructures for Antimicrobial Therapy: Nanostructures in Therapeutic Medicine Series, pp. 279-291. Cited 11 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032678645&doi=10.1016%2fB978-0-323-46152-8.00012-3&partnerID=40&md5=b831e2b40ec831fc37c14958b1ecff26

DOI: 10.1016/B978-0-323-46152-8.00012-3
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Dasgupta, Q., Madras, G., Chatterjee, K.
Controlled Release of Usnic Acid from Biodegradable Polyesters to Inhibit Biofilm Formation
(2017) ACS Biomaterials Science and Engineering, 3 (3), pp. 291-303. Cited 8 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85015203483&doi=10.1021%2facsbiomaterials.6b00680&partnerID=40&md5=2390239f2b55716312f6822f54c1c08c

DOI: 10.1021/acsbiomaterials.6b00680
DOCUMENT TYPE: Article
SOURCE: Scopus

Darwish, A.M., Moore, S., Mohammad, A., Alexander, D., Bastian, T., Dorlus, W., Sarkisov, S., Patel, D., Mele, P., Koplitz, B., Hui, D.
Polymer nano-composite films with inorganic upconversion phosphor and electro-optic additives made by concurrent triple-beam matrix assisted and direct pulsed laser deposition
(2017) Composites Part B: Engineering, 109, pp. 82-90. Cited 25 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84994056527&doi=10.1016%2fj.compositesb.2016.10.053&partnerID=40&md5=04241d1d0d3fe158862cec80aae58aa9

DOI: 10.1016/j.compositesb.2016.10.053
DOCUMENT TYPE: Article
SOURCE: Scopus

Liakos, I.L., Grumezescu, A.M., Holban, A.M., Florin, I., D'Autilia, F., Carzino, R., Bianchini, P., Athanassiou, A.
Polylactic acid-lemongrass essential oil nanocapsules with antimicrobial properties
(2016) Pharmaceuticals, 9 (3), art. no. 42, . Cited 46 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84978634560&doi=10.3390%2fph9030042&partnerID=40&md5=f296395850b73b0699112608e6dabf7b

DOI: 10.3390/ph9030042
DOCUMENT TYPE: Article
SOURCE: Scopus

Schrekker, C.M.L., Sokolovicz, Y.C.A., Raucci, M.G., Selukar, B.S., Klitzke, J.S., Lopes, W., Leal, C.A.M., De Souza, I.O.P., Galland, G.B., Dos Santos, J.H.Z., Mauler, R.S., Kol, M., Dagorne, S., Ambrosio, L., Teixeira, M.L., Morais, J., Landers, R., Fuentefria, A.M., Schrekker, H.S.
Multitask Imidazolium Salt Additives for Innovative Poly(L-lactide) Biomaterials: Morphology Control, Candida spp. Biofilm Inhibition, Human Mesenchymal Stem Cell Biocompatibility, and Skin Tolerance
(2016) ACS Applied Materials and Interfaces, 8 (33), pp. 21163-21176. Cited 22 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84983503028&doi=10.1021%2facsami.6b06005&partnerID=40&md5=e6dfe003cb0a5e9d0320fdde7830f042

DOI: 10.1021/acsami.6b06005
DOCUMENT TYPE: Article
SOURCE: Scopus

RĂdulescu, D., Grumezescu, V., Andronescu, E., Holban, A.M., Grumezescu, A.M., Socol, G., Oprea, A.E., RĂdulescu, M., Surdu, A., Trusca, R., RĂdulescu, R., Chifiriuc, M.C., Stan, M.S., Constanda, S., Dinischiotu, A.
Biocompatible cephalosporin-hydroxyapatite-poly(lactic-co-glycolic acid)-coatings fabricated by MAPLE technique for the prevention of bone implant associated infections
(2016) Applied Surface Science, 374, pp. 387-396. Cited 18 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85013341571&doi=10.1016%2fj.apsusc.2016.02.072&partnerID=40&md5=dbaccc4bd1ea6a45bada7ec073e90177

DOI: 10.1016/j.apsusc.2016.02.072
DOCUMENT TYPE: Article
SOURCE: Scopus

Stan, M.S., Constanda, S., Grumezescu, V., Andronescu, E., Ene, A.M., Holban, A.M., Vasile, B.S., MogoantĂ, L., BĂlşeanu, T.-A., Mogoşanu, G.D., Socol, G., Grumezescu, A.M., Dinischiotu, A., Lazar, V., Chifiriuc, M.C.
Thin coatings based on ZnO@C 18 -usnic acid nanoparticles prepared by MAPLE inhibit the development of Salmonella enterica early biofilm growth
(2016) Applied Surface Science, 374, pp. 318-325. Cited 18 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84953248243&doi=10.1016%2fj.apsusc.2015.12.063&partnerID=40&md5=aa382295264f6aceeca28cdcb3976604

DOI: 10.1016/j.apsusc.2015.12.063
DOCUMENT TYPE: Article
SOURCE: Scopus

Cristescu, R., Visan, A., Socol, G., Surdu, A.V., Oprea, A.E., Grumezescu, A.M., Chifiriuc, M.C., Boehm, R.D., Yamaleyeva, D., Taylor, M., Narayan, R.J., Chrisey, D.B.
Antimicrobial activity of biopolymeric thin films containing flavonoid natural compounds and silver nanoparticles fabricated by MAPLE: A comparative study
(2016) Applied Surface Science, 374, pp. 290-296. Cited 24 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84951095765&doi=10.1016%2fj.apsusc.2015.11.252&partnerID=40&md5=e8fb1b79fc97938425ef97c67b8cdf4d

DOI: 10.1016/j.apsusc.2015.11.252
DOCUMENT TYPE: Article
SOURCE: Scopus

Abdel-Hameed, M., Bertrand, R.L., Piercey-Normore, M.D., Sorensen, J.L.
Identification of 6-Hydroxymellein Synthase and Accessory Genes in the Lichen Cladonia uncialis
(2016) Journal of Natural Products, 79 (6), pp. 1645-1650. Cited 19 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84976417020&doi=10.1021%2facs.jnatprod.6b00257&partnerID=40&md5=9eab850b2d31d9f8ae6bcc8a5d59ac5d

DOI: 10.1021/acs.jnatprod.6b00257
DOCUMENT TYPE: Article
SOURCE: Scopus

Zhang, Y., Ye, L.
Recent research of functional modification of polyvinyl alcohol hydrogel
(2016) Cailiao Daobao/Materials Review, 30 (5), pp. 151-157. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046240788&doi=10.11896%2fj.issn.1005-023X.2016.09.025&partnerID=40&md5=f0685c547cf4f7c8074801662afed38f

DOI: 10.11896/j.issn.1005-023X.2016.09.025
DOCUMENT TYPE: Article
SOURCE: Scopus

Luzina, O.A., Salakhutdinov, N.F.
Biological activity of usnic acid and its derivatives: Part 1. Activity against unicellular organisms
(2016) Russian Journal of Bioorganic Chemistry, 42 (2), pp. 115-132. Cited 39 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84962670044&doi=10.1134%2fS1068162016020084&partnerID=40&md5=8591aa073b242a47ae3fbca79280ddc8

DOI: 10.1134/S1068162016020084
DOCUMENT TYPE: Article
SOURCE: Scopus

Abdal-Hay, A., Hussein, K.H., Casettari, L., Khalil, K.A., Hamdy, A.S.
Fabrication of novel high performance ductile poly(lactic acid) nanofiber scaffold coated with poly(vinyl alcohol) for tissue engineering applications
(2016) Materials Science and Engineering C, 60, pp. 143-150. Cited 90 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84947214090&doi=10.1016%2fj.msec.2015.11.024&partnerID=40&md5=c94196b70c1e60b7e6166db88b9906e7

DOI: 10.1016/j.msec.2015.11.024
DOCUMENT TYPE: Article
SOURCE: Scopus

Oprea, A.E., Pandel, L.M., Dumitrescu, A.M., Andronescu, E., Grumezescu, V., Chifiriuc, M.C., MogoantĂ, L., BĂlşeanu, T.-A., Mogoşanu, G.D., Socol, G., Grumezescu, A.M., Iordache, F., Maniu, H., Chirea, M., Holban, A.M.
Bioactive ZnO coatings deposited by MAPLE - An appropriate strategy to produce efficient anti-biofilm surfaces
(2016) Molecules, 21 (2), art. no. 220, . Cited 24 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84964523355&doi=10.3390%2fmolecules21020220&partnerID=40&md5=714bdb7bb960d1d24c146030b8ca

711d

DOI: 10.3390/molecules21020220
DOCUMENT TYPE: Article
SOURCE: Scopus

Ion, A., Andronescu, E., Ňadulescu, D., Ňadulescu, M., Iordache, F., Vasile, B.S., Surdu, A.V., Albu, M.G., Maniu, H., Chifiriuc, M.C., Grumezescu, A.M., Holban, A.M.
Biocompatible 3d matrix with antimicrobial properties
(2016) Molecules, 21 (1), art. no. 21010115, . Cited 7 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85000443625&doi=10.3390%2fmolecules21010115&partnerID=40&md5=374a240509a134835497ade13c8e19f2

DOI: 10.3390/molecules21010115
DOCUMENT TYPE: Article
SOURCE: Scopus

Zhu, Y.-F., Xu, Y.-N., Wu, C.-H., Jiang, F., Zhou, X., Xiao, Y.-J., Shen, X.-C., Tao, L.
Preparation and characterization of tanshinone IIA OH-PDLLA-OR microspheres
(2016) Journal of Drug Delivery Science and Technology, 32, pp. 43-48. Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84958979970&doi=10.1016%2fj.jddst.2016.02.001&partnerID=40&md5=a144dce5771de4dcebbf6b9fc7d5adb5

DOI: 10.1016/j.jddst.2016.02.001
DOCUMENT TYPE: Article
SOURCE: Scopus

Popescu, R.C., Grumezescu, A.M.
Pharmaceutical Polymers: Bioactive and Synthetic Hybrid Polymers
(2015) Handbook of Polymers for Pharmaceutical Technologies, 4, pp. 315-340.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85019363546&doi=10.1002%2f9781119041559.ch14&partnerID=40&md5=d116239b7a6593120251d1d5a126899c

DOI: 10.1002/9781119041559.ch14
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Holban, A.M., Grumezescu, A.M.
Novel molecular approaches in targeting microbial virulence for handling infections
(2015) Novel Molecular Approaches in Targeting Microbial Virulence for Handling Infections, pp. 1-81. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84979678542&doi=10.1515%2f9783110449501&partnerID=40&md5=9ac5e68106c8ef4f34ec95e22468a9be

DOI: 10.1515/9783110449501
DOCUMENT TYPE: Book
SOURCE: Scopus

Holban, A.M., Grumezescu, A.M., Saviuc, C.M.
Magnetite nanocomposites thin coatings prepared by MAPLE to prevent microbial colonization of medical surfaces
(2015) Advanced Structured Materials, 74, pp. 311-339. Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84937799240&doi=10.1007%2f978-81-322-2473-0_10&partnerID=40&md5=2943728200e53f793bdc42ec570789d1

DOI: 10.1007/978-81-322-2473-0_10
DOCUMENT TYPE: Article
SOURCE: Scopus

Ni, C., Lu, R., Tao, L., Shi, G., Li, X., Qin, C.
Synthesis of poly(vinyl alcohol-graft-lactic acid) copolymer and its application as medical anti-tissue adhesion thin film

(2015) Polymer Bulletin, 72 (6), pp. 1515-1529. Cited 7 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84939966708&doi=10.1007%2fs00289-015-1353-0&partnerID=40&md5=ebc3e196f698f7a609d85075722c5875

DOI: 10.1007/s00289-015-1353-0
DOCUMENT TYPE: Article
SOURCE: Scopus

Grumezescu, V., Andronescu, E., Holban, A.M., Mogoantă, L., Mogoşanu, G.D., Grumezescu, A.M., Stănculescu, A., Socol, G., Iordache, F., Maniu, H., Chifiriuc, M.C.
MAPLE fabrication of thin films based on kanamycin functionalized magnetite nanoparticles with anti-pathogenic properties
(2015) Applied Surface Science, 336, pp. 188-195. Cited 23 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84925452106&doi=10.1016%2fj.apsusc.2014.10.177&partnerID=40&md5=b8ec0a1fca04e05694850ee877ee9603

DOI: 10.1016/j.apsusc.2014.10.177
DOCUMENT TYPE: Conference Paper
SOURCE: Scopus

Iordache, F., Grumezescu, V., Grumezescu, A.M., Curuţiu, C., Dițu, L.M., Socol, G., Ficai, A., Truşcə, R., Holban, A.M.
Gamma-cyclodextrin/usnic acid thin film fabricated by MAPLE for improving the resistance of medical surfaces to Staphylococcus aureus colonization
(2015) Applied Surface Science, 336, pp. 407-412. Cited 19 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84925402685&doi=10.1016%2fj.apsusc.2015.01.081&partnerID=40&md5=80e11c0636091e38bc6fe30b054cfe09

DOI: 10.1016/j.apsusc.2015.01.081
DOCUMENT TYPE: Conference Paper
SOURCE: Scopus

Grumezescu, V., Andronescu, E., Holban, A.M., Socol, G., Grumezescu, A.M., Ficai, A., Lazar, V., Chifiriuc, M.C., Trusca, R., Iordache, F.
Fabrication and characterization of functionalized surfaces with 3-amino propyltrimethoxysilane films for anti-infective therapy applications
(2015) Applied Surface Science, 336, pp. 401-406. Cited 12 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84925392528&doi=10.1016%2fj.apsusc.2015.01.080&partnerID=40&md5=0d8f7edfc7c74fa1bba204aba5a0e616

DOI: 10.1016/j.apsusc.2015.01.080
DOCUMENT TYPE: Conference Paper
SOURCE: Scopus

Grumezescu, A.M., Andronescu, E., Oprea, A.E., Holban, A.M., Socol, G., Grumezescu, V., Chifiriuc, M.C., Iordache, F., Maniu, H.
MAPLE fabricated magnetite@Melissa officinalis and poly lactic acid: chitosan coated surfaces with anti-staphylococcal properties
(2015) Journal of Sol-Gel Science and Technology, 73 (3), pp. 612-619. Cited 11 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84925539712&doi=10.1007%2fs10971-014-3558-3&partnerID=40&md5=6ee44440ed04434f71321f0eff069021

DOI: 10.1007/s10971-014-3558-3
DOCUMENT TYPE: Article
SOURCE: Scopus

Iordache, F., Oprea, A.E., Grumezescu, V., Andronescu, E., Socol, G., Grumezescu, A.M., Popa, M., Mogoşanu, G.D., Holban, A.M., Maniu, H.
Poly(lactic-co-glycolic) acid/chitosan microsphere thin films functionalized with Cinnamomi aetheroleum and magnetite nanoparticles for preventing the microbial colonization of medical surfaces
(2015) Journal of Sol-Gel Science and Technology, 73 (3), pp. 679-686. Cited 7 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84925485740&doi=10.1007%2fs10971-015-3659-

7&partnerID=40&md5=e0702822904fc7648923f79e2c47d753

DOI: 10.1007/s10971-015-3659-7
DOCUMENT TYPE: Article
SOURCE: Scopus

Popescu, R.C., Grumezescu, A.M.
Nanoarchitectonics prepared by MAPLE for biomedical applications
(2015) Green Processes for Nanotechnology: From Inorganic to Bioinspired Nanomaterials, pp. 303-325. Cited 3 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84943788685&doi=10.1007%2f978-3-319-15461-9_11&partnerID=40&md5=06c32e3581ae35f4a186824f885b7e7c

DOI: 10.1007/978-3-319-15461-9_11
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Holban, A.M., Iordanskii, A., Grumezescu, A.M., Bychkova, A., Andronescu, E., Mogoantă, L.I., Mogoș Anu, G.D., Iordache, F.
Prosthetic devices with nanostructurated surfaces for increased resistance to microbial colonization
(2015) Current Pharmaceutical Biotechnology, 16 (2), pp. 112-120. Cited 5 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84926151693&doi=10.2174%2f1389201016021501121503 03&partnerID=40&md5=22d3da349bcff860a938e14404f75301

DOI: 10.2174/138920101602150112150303
DOCUMENT TYPE: Article
SOURCE: Scopus

Wang, C.-Y., Chang, S.-C., Huang, K.-S., Yang, C.-H.
The application of optical technology in microfluidic systems
(2014) Current Proteomics, 11 (2), pp. 80-85. Cited 3 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84911478941&doi=10.2174%2f1570164611021409171215 17&partnerID=40&md5=249e3e921c5d46ec307c90c963be5c94

DOI: 10.2174/157016461102140917121517
DOCUMENT TYPE: Article
SOURCE: Scopus

Anghel, A.G., Grumezescu, A.M., Chirea, M., Grumezescu, V., Socol, G., Iordache, F., Oprea, A.E., Anghel, I., Holban, A.M.
MAPLE fabricated Fe3O4@Cinnamomum verum antimicrobial surfaces for improved gastrostomy tubes
(2014) Molecules, 19 (7), pp. 8981-8994. Cited 43 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904810365&doi=10.3390%2fmolecules19078981&partnerID=40&md5=05a8f7cf46312860c6bc7472db1da731

DOI: 10.3390/molecules19078981
DOCUMENT TYPE: Article
SOURCE: Scopus

Holban, A.M., Gestal, M.C., Grumezescu, A.M.
New molecular strategies for reducing implantable medical devices associated infections
(2014) Current Medicinal Chemistry, 21 (29), pp. 3375-3382. Cited 21 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904800821&doi=10.2174%2f09298673216661403041038 10&partnerID=40&md5=ced3e88c5e132e3620c4614249680d7e

DOI: 10.2174/092986732166614030410381 0
DOCUMENT TYPE: Article
SOURCE: Scopus

Holban, A.M., Grumezescu, V., Grumezescu, A.M., Vasile, B.S., Truşcă, R., Cristescu, R., Socol, G., Iordache, F.

	Antimicrobial nanospheres thin coatings prepared by advanced pulsed laser technique **(2014) Beilstein Journal of Nanotechnology, 5 (1), pp. 872-880. Cited 32 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84902655881&doi=10.3762%2fbjnano.5.99&partnerID=40&md5=36287668e505bcbef34093a0c4823fbb** **DOI: 10.3762/bjnano.5.99** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Grumezescu, V., Holban, A.M., Grumezescu, A.M., Socol, G., Ficai, A., Vasile, B.S., Truscă, R., Bleotu, C., Lazar, V., Chifiriuc, C.M., Mogosanu, G.D.** **Usnic acid-loaded biocompatible magnetic PLGA-PVA microsphere thin films fabricated by MAPLE with increased resistance to staphylococcal colonization** **(2014) Biofabrication, 6 (3), art. no. 035002, . Cited 47 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84899565695&doi=10.1088%2f1758-5082%2f6%2f3%2f035002&partnerID=40&md5=e1689d52862f63852573ef8490f35ba3** **DOI: 10.1088/1758-5082/6/3/035002** **DOCUMENT TYPE: Article** **SOURCE: Scopus**	
25	**Improved activity of aminoglycosides entrapped in silica networks against microbial strains isolated from otolaryngological infections, Anghel, I., Grumezescu, A.M., Holban, A.M., Gheorghe, I., Vlad, M., Anghel, G.A., Balaure, P.C., Chifiriuc, C.M., Ciuca, I.M., Farmacia, 62(1), 2014, 69-78, WOS: 000331664700007**	6
	Scopus EXPORT DATE:21 Apr 2024 Nicoara, A.I., Stoica, A.E., Ene, D.-I., Vasile, B.S., Holban, A.M., Neacsu, I.A. In situ and ex situ designed hydroxyapatite: Bacterial cellulose materials with biomedical applications (2020) Materials, 13 (21), art. no. 4793, pp. 1-17. Cited 18 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094581373&doi=10.3390%2fma13214793&partnerID=40&md5=7524f80cf8f42a8a1ff17d97967f7d7a DOI: 10.3390/ma13214793 DOCUMENT TYPE: Article SOURCE: Scopus Bibire, N., Olariu, R.I., Agoroaei, L., Vieriu, M., Panainte, A.D., Cernat, R.I., Arsene, C. Reversed-phase high performance liquid chromatographic analysis of three first line anti-tuberculosis drugs (2018) Revista de Chimie, 69 (12), pp. 3590-3592. Cited 1 time. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062667768&doi=10.37358%2frc.18.12.6799&partnerID=40&md5=5478ae515c465e07388d6aaa40cf88a4 DOI: 10.37358/rc.18.12.6799 DOCUMENT TYPE: Article SOURCE: Scopus Sarbu, I., Pelinescu, D., Stoica, I., Robertina, I., Dascalu, L., Alexandru, I., Carmen, C., Rusu, E., Ioana, N., Vassu, T. Influence of non-steroidal anti-inflammatory drugs on antifungal resistance of Candida strains isolated from vulvovaginal infections (2016) Farmacia, 64 (2), pp. 274-277. Cited 4 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-84964203450&partnerID=40&md5=e2fea6a81479792e50ffa0c6b9df29d1 DOCUMENT TYPE: Article SOURCE: Scopus Băncescu, G., Defta, C., Băncescu, A., Hîrjău, M. The susceptibility to antibiotics of some Streptococcus constellatus strains isolated from odontogenic infections (2016) Farmacia, 64 (1), pp. 58-60. Cited 3 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-84959198353&partnerID=40&md5=df2d31e730bca3448867019285cb64af DOCUMENT TYPE: Article SOURCE: Scopus	

	Voicu, G., Dogaru, I., Meliţă, D., Meştercă, R., Spirescu, V., Stan, E., Tote, E., Mogoantă, L., Mogoşanu, G.D., Grumezescu, A.M., Truşcă, R., Vasile, E., Iordache, F., Chifiriuc, M.-C., Holban, A.M. Nanostructured mesoporous silica: new perspectives for fighting antimicrobial resistance (2015) Journal of Nanoparticle Research, 17 (5), 13 p. Cited 4 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-84928914649&doi=10.1007%2fs11051-015-3004-7&partnerID=40&md5=389e82de7926cbc0ffb2082474ed57bf DOI: 10.1007/s11051-015-3004-7 DOCUMENT TYPE: Article SOURCE: Scopus Anghel, A.G., Grumezescu, A.M., Chirea, M., Grumezescu, V., Socol, G., Iordache, F., Oprea, A.E., Anghel, I., Holban, A.M. MAPLE fabricated Fe3O4@Cinnamomum verum antimicrobial surfaces for improved gastrostomy tubes (2014) Molecules, 19 (7), pp. 8981-8994. Cited 43 times. https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904810365&doi=10.3390%2fmolecules19078981&partnerID=40&md5=05a8f7cf46312860c6bc7472db1da731 DOI: 10.3390/molecules19078981 DOCUMENT TYPE: Article SOURCE: Scopus	
26	**Culture methods versus flow cytometry for the comparative assessment of the antifungal activity of Eugenia caryophyllata thunb. (Myrtaceae) essential oil, Saviuc, M.C., Grumezescu, A.M., Bleotu, C., Holban, A.M, Chifiriuc, M.C., Balaure, P., Predan, G., Lazar, V., Farmacia 61(5), 2013, 912-919, WOS:000325909700008**	5
	Scopus **EXPORT DATE:21 Apr 2024** **Lazar, V., Oprea, E., Ditu, L.-M.** **Resistance, Tolerance, Virulence and Bacterial Pathogen Fitness—Current State and Envisioned Solutions for the Near Future** **(2023) Pathogens, 12 (5), art. no. 746, . Cited 2 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160291650&doi=10.3390%2fpathogens12050746&partnerID=40&md5=fd35e51fac09b7039fe57158fa0877dd** **DOI: 10.3390/pathogens12050746** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Azeez, D.A.** **Antifungal activity of mixture eugenia aromaticum and thymus vulgaris essential oils against Candida albicans clinical strains in Al-Muthanna province, Iraq** **(2020) Plant Archives, 20, pp. 172-174.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85080119861&partnerID=40&md5=542359948d6bd61c940bffd78a644be0** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Marinas, I.C., Oprea, E., Chifiriuc, M.C., Badea, I.A., Buleandra, M., Lazar, V.** **Chemical Composition and Antipathogenic Activity of Artemisia annua Essential Oil from Romania** **(2015) Chemistry and Biodiversity, 12 (10), pp. 1554-1564. Cited 43 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84943776275&doi=10.1002%2fcbdv.201400340&partnerID=40&md5=7e56a67ce5ebda18232f5daee024530f** **DOI: 10.1002/cbdv.201400340** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Holban, A.M.** **Magnetite nanoshuttles for fighting staphylococcus aureus infections: A recent review** **(2015) Current Topics in Medicinal Chemistry, 15 (16), pp. 1589-1595. Cited 9 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84930912192&doi=10.2174%2f1568026615666150414152431&partnerID=40&md5=b5ba276e0a2fee83a23e**	

	bf8947fd3e3f **DOI: 10.2174/1568026615666150414152431** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Anghel, A.G., Grumezescu, A.M., Chirea, M., Grumezescu, V., Socol, G., Iordache, F., Oprea, A.E., Anghel, I., Holban, A.M.** **MAPLE fabricated Fe3O4@Cinnamomum verum antimicrobial surfaces for improved gastrostomy tubes** **(2014) Molecules, 19 (7), pp. 8981-8994. Cited 43 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904810365&doi=10.3390%2fmolecules19078981&partnerID=40&md5=05a8f7cf46312860c6bc7472db1da731** **DOI: 10.3390/molecules19078981** **DOCUMENT TYPE: Article** **SOURCE: Scopus**	
27	**Development of amperometric biosensors based on nanostructured tyrosinase-conducting polymer composite electrodes, Lupu, S., Lete, C., Balaure, P.C., Caval, D.I., Mihailciuc, C., Lakard, B., Hihn, J.Y., Javier del Campo, F., Sensors (Basel, Switzerland), 13 (5), 2013, 6759-6774, DOI: 10.3390/s130506759, WOS: 000319445600074**	55
	Scopus **EXPORT DATE:21 Apr 2024** **Mohammadpour, Z., Kamankesh, M., Shokrollahi Barough, M., Walsh, T., Ghorbanzadeh, S., Hamdi, D., Akbari, M., Zare, Y., Rhee, K.Y., Seyfoori, A.** **A review on polymeric nanocomposites for the electrochemical sensing of breast cancer biomarkers** **(2023) Microchemical Journal, 195, art. no. 109528, .** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174734398&doi=10.1016%2fj.microc.2023.109528&partnerID=40&md5=cda0799dfc5a45e7db2c1f9f196ec162** **DOI: 10.1016/j.microc.2023.109528** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Agrahari, S., Singh, A.K., Gautam, R.K., Tiwari, I.** **Millimolar analysis of para benzoquinone in water samples using MnO2 coupled bimetallic MOF-functionalized carbon nanotubes-based nanocomposite** **(2023) Materials Research Bulletin, 164, art. no. 112249, . Cited 4 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152138226&doi=10.1016%2fj.materresbull.2023.112249&partnerID=40&md5=a8944933b4511c4f54624d0b177fd951** **DOI: 10.1016/j.materresbull.2023.112249** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Chelmea, L., Badea, M., Scarneciu, I., Moga, M.A., Dima, L., Restani, P., Murdaca, C., Ciurescu, D., Gaman, L.E.** **New Trends in Uric Acid Electroanalysis** **(2023) Chemosensors, 11 (6), art. no. 341, . Cited 1 time.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166528259&doi=10.3390%2fchemosensors11060341&partnerID=40&md5=a2f99282e525d1ed1d5c5de0ffeac36e** **DOI: 10.3390/chemosensors11060341** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Leau, S.-A., Lete, C., Lupu, S.** **Nanocomposite Materials based on Metal Nanoparticles for the Electrochemical Sensing of Neurotransmitters** **(2023) Chemosensors, 11 (3), art. no. 179, . Cited 12 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-**	

85151152914&doi=10.3390%2fchemosensors11030179&partnerID=40&md5=b437902ecb3926a7c4d1f800b8598428

DOI: 10.3390/chemosensors11030179
DOCUMENT TYPE: Review
SOURCE: Scopus

Çetin, M.Z., Apetrei, R.-M., Guven, N., Camurlu, P.
Ultrasensitive Catechol Detection via Core-Shell Nanofibers: Effect of Type of Conducting Polymer and MWCNT Reinforcement
(2023) Journal of the Electrochemical Society, 170 (10), art. no. 107503, . Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182274584&doi=10.1149%2f1945-7111%2facff1e&partnerID=40&md5=1c78489b6cc36f74f88271a46b03d01e

DOI: 10.1149/1945-7111/acff1e
DOCUMENT TYPE: Article
SOURCE: Scopus

Pilo, M.I., Baluta, S., Loria, A.C., Sanna, G., Spano, N.
Poly(Thiophene)/Graphene Oxide-Modified Electrodes for Amperometric Glucose Biosensing
(2022) Nanomaterials, 12 (16), art. no. 2840, . Cited 3 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137390804&doi=10.3390%2fnano12162840&partnerID=40&md5=d9c08edaa10da30770b86a156a7af691

DOI: 10.3390/nano12162840
DOCUMENT TYPE: Article
SOURCE: Scopus

Rahman, M.T., López-Iglesias, D., Sierra-Padilla, A., García-Guzmán, J.J., Cubillana-Aguilera, L.M., Bellido-Milla, D., Palacios-Santander, J.M.
How Meaningful Are Minor Details in the Generation of Nanomodified Electrochemical Enzyme Biosensors? Exploring the Scenario with Sinusoidal Approaches
(2022) Chemosensors, 10 (8), art. no. 316, .
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137383658&doi=10.3390%2fchemosensors10080316&partnerID=40&md5=0d346f96b4958f93acc8305b5459551f

DOI: 10.3390/chemosensors10080316
DOCUMENT TYPE: Article
SOURCE: Scopus

Gigli, V., Tortolini, C., Capecchi, E., Angeloni, A., Lenzi, A., Antiochia, R.
Novel Amperometric Biosensor Based on Tyrosinase/Chitosan Nanoparticles for Sensitive and Interference-Free Detection of Total Catecholamine
(2022) Biosensors, 12 (7), art. no. 519, . Cited 12 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135119074&doi=10.3390%2fbios12070519&partnerID=40&md5=65931c6decb14c2e0848a018f882ead3

DOI: 10.3390/bios12070519
DOCUMENT TYPE: Article
SOURCE: Scopus

Idumah, C.I.
Recent advancements in conducting polymer bionanocomposites and hydrogels for biomedical applications
(2022) International Journal of Polymeric Materials and Polymeric Biomaterials, 71 (7), pp. 513-530. Cited 55 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097892763&doi=10.1080%2f00914037.2020.1857384&partnerID=40&md5=242cd63b45037e0fdee928c2dbd89768

DOI: 10.1080/00914037.2020.1857384
DOCUMENT TYPE: Article
SOURCE: Scopus

García-Guzmán, J.J., López-Iglesias, D., Cubillana-Aguilera, L., Bellido-Milla, D., Palacios-Santander,

J.M., Marin, M., Grigorescu, S.D., Lete, C., Lupu, S.
Silver nanostructures - poly(3,4-ethylenedioxythiophene) sensing material prepared by sinusoidal voltage procedure for detection of antioxidants
(2021) Electrochimica Acta, 393, art. no. 139082, . Cited 8 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113274343&doi=10.1016%2fj.electacta.2021.139082&partnerID=40&md5=8d08550a4313bdd7b2c617afc7f14c18

DOI: 10.1016/j.electacta.2021.139082
DOCUMENT TYPE: Article
SOURCE: Scopus

Soldatkin, O.O., Kucherenko, I.S., Siediuko, D.V., Kucherenko, D.Y., Dzyadevych, S.V., Soldatkin, A.P.
Development of Enzyme Conductometric Biosensor for Dopamine Determination in Aqueous Samples
(2021) Electroanalysis, 33 (10), pp. 2187-2195. Cited 9 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111405922&doi=10.1002%2felan.202100257&partnerID=40&md5=f42e93aa65470928db9b730cf84063c6

DOI: 10.1002/elan.202100257
DOCUMENT TYPE: Article
SOURCE: Scopus

Sierra-Padilla, A., García-Guzmán, J.J., López-Iglesias, D., Palacios-Santander, J.M., Cubillana-Aguilera, L.
E-tongues/noses based on conducting polymers and composite materials: Expanding the possibilities in complex analytical sensing
(2021) Sensors, 21 (15), art. no. 4976, . Cited 17 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110588705&doi=10.3390%2fs21154976&partnerID=40&md5=82ad79542d39c29b98016f5880f61a61

DOI: 10.3390/s21154976
DOCUMENT TYPE: Review
SOURCE: Scopus

Lakard, S., Pavel, I.-A., Lakard, B.
Electrochemical biosensing of dopamine neurotransmitter: A review
(2021) Biosensors, 11 (6), art. no. 179, . Cited 101 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108573539&doi=10.3390%2fbios11060179&partnerID=40&md5=62fac18111f4532e769482af2487163c

DOI: 10.3390/bios11060179
DOCUMENT TYPE: Review
SOURCE: Scopus

Meloni, F., Pilo, M.I., Sanna, G., Spano, N., Zucca, A.
Ru(terpy)-based conducting polymer in electrochemical biosensing of epinephrine
(2021) Applied Sciences (Switzerland), 11 (5), art. no. 2065, pp. 1-12. Cited 4 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106547890&doi=10.3390%2fapp11052065&partnerID=40&md5=d058a4004c2679b7c218a49ea728d37d

DOI: 10.3390/app11052065
DOCUMENT TYPE: Article
SOURCE: Scopus

Idumah, C.I.
Novel trends in conductive polymeric nanocomposites, and bionanocomposites
(2021) Synthetic Metals, 273, art. no. 116674, . Cited 82 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098714582&doi=10.1016%2fj.synthmet.2020.116674&partnerID=40&md5=99336909d9854c2d3747cef1fea97d5c

DOI: 10.1016/j.synthmet.2020.116674
DOCUMENT TYPE: Review
SOURCE: Scopus

Yaneva, S., Velinov, T.
IN SITU INVESTIGATION OF TYROSINASE IMMOBILIZATION ON POLY-(ACRYLONITRILE-CO-ACRYLAMIDE) BY QUARTZ CRYSTAL MICROBALANCE
(2021) Journal of Chemical Technology and Metallurgy, 56 (4), pp. 678-685.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106584535&partnerID=40&md5=ff3c6d6998e2792f741d7d223f2d9110

DOCUMENT TYPE: Article
SOURCE: Scopus

Bounegru, A.V., Apetrei, C.
Voltamperometric sensors and biosensors based on carbon nanomaterials used for detecting caffeic acid—a review
(2020) International Journal of Molecular Sciences, 21 (23), art. no. 9275, pp. 1-32. Cited 24 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097396034&doi=10.3390%2fijms21239275&partnerID=40&md5=623c32018ecfdcea99f4f4fabd9a82fb

DOI: 10.3390/ijms21239275
DOCUMENT TYPE: Article
SOURCE: Scopus

Kumar, H., Kumari, N., Sharma, R.
Nanocomposites (conducting polymer and nanoparticles) based electrochemical biosensor for the detection of environment pollutant: Its issues and challenges
(2020) Environmental Impact Assessment Review, 85, art. no. 106438, . Cited 54 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088370472&doi=10.1016%2fj.eiar.2020.106438&partnerID=40&md5=670df0130fc6d441a5fa711797371b34

DOI: 10.1016/j.eiar.2020.106438
DOCUMENT TYPE: Review
SOURCE: Scopus

Hashim, H.S., Fen, Y.W., Omar, N.A.S., Daniyal, W.M.E.M.M., Saleviter, S., Abdullah, J.
Structural, optical and potential sensing properties of tyrosinase immobilized graphene oxide thin film on gold surface
(2020) Optik, 212, art. no. 164786, . Cited 14 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85083762097&doi=10.1016%2fj.ijleo.2020.164786&partnerID=40&md5=c37dc3b6c367bf32739a022e72662e91

DOI: 10.1016/j.ijleo.2020.164786
DOCUMENT TYPE: Article
SOURCE: Scopus

Casanova, A., Cuartero, M., Alacid, Y., Almagro, C.M., García-Cánovas, F., García, M.S., Ortuño, J.A.
A sustainable amperometric biosensor for the analysis of ascorbic, benzoic, gallic and kojic acids through catechol detection. Innovation and signal processing
(2020) Analyst, 145 (10), pp. 3645-3655. Cited 8 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084936775&doi=10.1039%2fc9an02523e&partnerID=40&md5=9a145572279d474750117e328a9bff79

DOI: 10.1039/c9an02523e
DOCUMENT TYPE: Article
SOURCE: Scopus

Sýs, M., Obluková, M., Kolivoška, V., Sokolová, R., Korecká, L., Mikysek, T.
Catalytic properties of variously immobilized mushroom tyrosinase: A kinetic study for future development of biomimetic amperometric biosensors
(2020) Journal of Electroanalytical Chemistry, 864, art. no. 114066, . Cited 10 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082804107&doi=10.1016%2fj.jelechem.2020.114066&partnerID=40&md5=340747e975f5c338ff8d37f1359d4b7e

DOI: 10.1016/j.jelechem.2020.114066

DOCUMENT TYPE: Article
SOURCE: Scopus

Phelane, L., Gouveia-Caridade, C., Barsan, M.M., Baker, P.G.L., Brett, C.M.A., Iwuoha, E.I.
Electrochemical Determination of Tyrosine using a Novel Tyrosinase Multi-Walled Carbon Nanotube (MWCNT) Polysulfone Modified Glassy Carbon Electrode (GCE)
(2020) Analytical Letters, 53 (2), pp. 308-321. Cited 14 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070471639&doi=10.1080%2f00032719.2019.1649417&partnerID=40&md5=54bc232d3039637287669b0a5f716020

DOI: 10.1080/00032719.2019.1649417
DOCUMENT TYPE: Article
SOURCE: Scopus

Bottari, D., Pigani, L., Zanardi, C., Terzi, F., Paturca, S.V., Grigorescu, S.D., Matei, C., Lete, C., Lupu, S.
Electrochemical sensing of caffeic acid using gold nanoparticles embedded in poly(3,4-ethylenedioxythiophene) layer by sinusoidal voltage procedure
(2019) Chemosensors, 7 (4), art. no. 65, . Cited 17 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078919207&doi=10.3390%2fchemosensors7040065&partnerID=40&md5=ec6fe5c60d118b3a40d2c4e76282e556

DOI: 10.3390/chemosensors7040065
DOCUMENT TYPE: Article
SOURCE: Scopus

Karabozhikova, V., Tsakova, V., Lete, C., Marin, M., Lupu, S.
Poly(3,4-ethylenedioxythiophene)-modified electrodes for tryptophan voltammetric sensing
(2019) Journal of Electroanalytical Chemistry, 848, art. no. 113309, . Cited 13 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069638780&doi=10.1016%2fj.jelechem.2019.113309&partnerID=40&md5=71048e630f442ac87c49c7fcf7ac0755

DOI: 10.1016/j.jelechem.2019.113309
DOCUMENT TYPE: Article
SOURCE: Scopus

Prajapati, D.G., Kandasubramanian, B.
Progress in the Development of Intrinsically Conducting Polymer Composites as Biosensors
(2019) Macromolecular Chemistry and Physics, 220 (10), art. no. 1800561, . Cited 87 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064665521&doi=10.1002%2fmacp.201800561&partnerID=40&md5=f9d1105944713a2c9fa026e2ad8593c2

DOI: 10.1002/macp.201800561
DOCUMENT TYPE: Review
SOURCE: Scopus

Laranjo, M.T., Morawski, F.M., Dias, S.L.P., Benvenutti, E.V., Arenas, L.T., Costa, T.M.H.
Silica/titania graphite composite modified with chitosan and tyrosinase employed as a sensitive biosensor for phenolic compounds
(2019) Journal of the Brazilian Chemical Society, 30 (12), pp. 2660-2671. Cited 14 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077170128&doi=10.21577%2f0103-5053.20190190&partnerID=40&md5=2c6b7d47d5c7d58040d631f0c664173b

DOI: 10.21577/0103-5053.20190190
DOCUMENT TYPE: Article
SOURCE: Scopus

Ribovski, L., dos Santos, F.A., Zucolotto, V., Janegitz, B.C.
Gold nanorods and poly(amido amine) dendrimer thin film for biosensing
(2019) Journal of Solid State Electrochemistry, . Cited 5 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064203569&doi=10.1007%2fs10008-019-04247-z&partnerID=40&md5=9b02f86879890a5be24aa4af0d7c7c9a

DOI: 10.1007/s10008-019-04247-z
DOCUMENT TYPE: Article
SOURCE: Scopus

García Guzmán, J.J., Aguilera, L.C., Milla, D.B., Rodríguez, I.N., Lete, C., Palacios Santander, J.M., Lupu, S.
Development of Sonogel-Carbon based biosensors using sinusoidal voltages and currents methods
(2018) Sensors and Actuators, B: Chemical, 255, pp. 1525-1535. Cited 11 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85028607625&doi=10.1016%2fj.snb.2017.08.161&partnerID=40&md5=ae5e3c06ee7e73fdd7476353fa56d903

DOI: 10.1016/j.snb.2017.08.161
DOCUMENT TYPE: Article
SOURCE: Scopus

Sýs, M., Vytřas, K.
Tyrosinase electrochemical biosensors monitoring medicinally significant substances
(2018) Current Medicinal Chemistry, 25 (33), pp. 3988-4006. Cited 6 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055669722&doi=10.2174%2f0929867324666170727121327&partnerID=40&md5=97bcbcd036791cef0a244238223b5781

DOI: 10.2174/0929867324666170727121327
DOCUMENT TYPE: Review
SOURCE: Scopus

Pilo, M., Farre, R., Lachowicz, J.I., Masolo, E., Panzanelli, A., Sanna, G., Senes, N., Sobral, A., Spano, N.
Design of Amperometric Biosensors for the Detection of Glucose Prepared by Immobilization of Glucose Oxidase on Conducting (Poly)Thiophene Films
(2018) Journal of Analytical Methods in Chemistry, 2018, art. no. 1849439, . Cited 21 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044027190&doi=10.1155%2f2018%2f1849439&partnerID=40&md5=7267eea74cbf7882c421c294405cb8c0

DOI: 10.1155/2018/1849439
DOCUMENT TYPE: Article
SOURCE: Scopus

Vlamidis, Y., Gualandi, I., Tonelli, D.
Amperometric biosensors based on reduced GO and MWCNTs composite for polyphenols detection in fruit juices
(2017) Journal of Electroanalytical Chemistry, 799, pp. 285-292. Cited 49 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85020799292&doi=10.1016%2fj.jelechem.2017.06.012&partnerID=40&md5=0c2220218425b18d62b9d888ea25e3d6

DOI: 10.1016/j.jelechem.2017.06.012
DOCUMENT TYPE: Article
SOURCE: Scopus

Florescu, M., David, M.
Tyrosinase-based biosensors for selective dopamine detection
(2017) Sensors (Switzerland), 17 (6), art. no. 1314, . Cited 51 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85020454019&doi=10.3390%2fs17061314&partnerID=40&md5=d093db9c9286642bb2eb6bec32b8b030

DOI: 10.3390/s17061314
DOCUMENT TYPE: Article
SOURCE: Scopus

Fartas, F.M., Abdullah, J., Yusof, N.A., Sulaiman, Y., Saiman, M.I.
Biosensor based on tyrosinase immobilized on graphene-decorated gold nanoparticle/chitosan for phenolic detection in aqueous

(2017) Sensors (Switzerland), 17 (5), art. no. 1132, . Cited 62 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85019649086&doi=10.3390%2fs17051132&partnerID=40&md5=d6ec48a0ee9387b3e51bbb289340fc0c

DOI: 10.3390/s17051132
DOCUMENT TYPE: Article
SOURCE: Scopus

Stoytcheva, M., Zlatev, R., Velkova, Z., Gochev, V., Montero, G., Toscano, L., Olivas, A.
Advances in the electrochemical analysis of dopamine
(2017) Current Analytical Chemistry, 13 (2), pp. 89-103. Cited 15 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85018512958&doi=10.2174%2f1573411012999160401130209&partnerID=40&md5=a14a428623b3f70b78fce841e0b2d596

DOI: 10.2174/1573411012999160401130209
DOCUMENT TYPE: Review
SOURCE: Scopus

Lete, C., Lakard, B., Hihn, J.-Y., del Campo, F.J., Lupu, S.
Use of sinusoidal voltages with fixed frequency in the preparation of tyrosinase based electrochemical biosensors for dopamine electroanalysis
(2017) Sensors and Actuators, B: Chemical, 240, pp. 801-809. Cited 36 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84990248458&doi=10.1016%2fj.snb.2016.09.045&partnerID=40&md5=3a28852caec5e2ed25779d26d0ebe0af

DOI: 10.1016/j.snb.2016.09.045
DOCUMENT TYPE: Article
SOURCE: Scopus

Situmorang, M., Nurwahyuni, I.
The development of reproducible and selective uric acid biosensor by using electrodeposited polytyramine as matrix polymer
(2017) Indonesian Journal of Chemistry, 17 (3), pp. 461-470. Cited 4 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85038254637&doi=10.22146%2fijc.25818&partnerID=40&md5=c91f430aa02ae154c22921d137d1f5a7

DOI: 10.22146/ijc.25818
DOCUMENT TYPE: Article
SOURCE: Scopus

Lete, C., Berger, D., Matei, C., Lupu, S.
Electrochemical and microgravimetric studies of poly[3,4-ethylenedioxythiophene]-tyrosinase biocomposite material electrodeposited onto gold electrodes by a sinusoidal voltages method
(2016) Journal of Solid State Electrochemistry, 20 (11), pp. 3043-3051. Cited 7 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84991248389&doi=10.1007%2fs10008-016-3270-z&partnerID=40&md5=da6f713e3c0e74d312c4fca12014fa72

DOI: 10.1007/s10008-016-3270-z
DOCUMENT TYPE: Article
SOURCE: Scopus

Stoytcheva, M., Zlatev, R., Gonzalez Navarro, F.F., Velkova, Z., Gochev, V., Montero, G., Ayala Bautista, A.G., Toscano-Palomar, L.
PVA-AWP/tyrosinase functionalized screen-printed electrodes for dopamine determination
(2016) Analytical Methods, 8 (26), pp. 5197-5203. Cited 6 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84977142712&doi=10.1039%2fc6ay01395c&partnerID=40&md5=c52f8fd4100d00d5aabdb2461c1092ea

DOI: 10.1039/c6ay01395c
DOCUMENT TYPE: Article
SOURCE: Scopus

Sekretaryova, A.N., Eriksson, M., Turner, A.P.F.

Bioelectrocatalytic systems for health applications
(2016) Biotechnology Advances, 34 (3), pp. 177-197. Cited 47 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84952014039&doi=10.1016%2fj.biotechadv.2015.12.005&partnerID=40&md5=32caa2f3fb6e5ba340f72a6801d3237c

DOI: 10.1016/j.biotechadv.2015.12.005
DOCUMENT TYPE: Review
SOURCE: Scopus

Daneshpour, M., moradi, L.S., Izadi, P., Omidfar, K.
Femtomolar level detection of RASSF1A tumor suppressor gene methylation by electrochemical nano-genosensor based on Fe3O4/TMC/Au nanocomposite and PT-modified electrode
(2016) Biosensors and Bioelectronics, 77, pp. 1095-1103. Cited 68 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84946593258&doi=10.1016%2fj.bios.2015.11.007&partnerID=40&md5=a369317f350cd90193af1195b728e715

DOI: 10.1016/j.bios.2015.11.007
DOCUMENT TYPE: Article
SOURCE: Scopus

García-Hernández, C., García-Cabezón, C., Martín-Pedrosa, F., De Saja, J.A., Rodríguez-Méndez, M.L.
Layered composites of PEDOT/PSS/nanoparticles and PEDOT/PSS/phthalocyanines as electron mediators for sensors and biosensors
(2016) Beilstein Journal of Nanotechnology, 7, pp. 1948-1959. Cited 19 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042865573&doi=10.3762%2fbjnano.7.186&partnerID=40&md5=a12abf686768025145d5f097c8dc5cae

DOI: 10.3762/bjnano.7.186
DOCUMENT TYPE: Article
SOURCE: Scopus

Soussou, A., Gammoudi, I., Moroté, F., Mathelié-Guinlet, M., Kalboussi, A., Baccar, Z.M., Cohen-Bouhacina, T., Grauby-Heywang, C.
Amperometric Polyphenol Biosensor Based on Tyrosinase Immobilization on CoAl Layered Double Hydroxide Thins Films
(2016) Procedia Engineering, 168, pp. 1131-1134. Cited 6 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85009971497&doi=10.1016%2fj.proeng.2016.11.371&partnerID=40&md5=f55aba279459ca8c970b0e302fad8a26

DOI: 10.1016/j.proeng.2016.11.371
DOCUMENT TYPE: Conference Paper
SOURCE: Scopus

Apetrei, I.M., Apetrei, C.
Biosensing Application of Hybrid Thin-Film Layers-Based Biosensors
(2015) IEEE Sensors Journal, 15 (12), art. no. 7225109, pp. 6926-6932. Cited 8 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84944128515&doi=10.1109%2fJSEN.2015.2473796&partnerID=40&md5=ec138ae6a0dafc382277b2c59d8f64e3

DOI: 10.1109/JSEN.2015.2473796
DOCUMENT TYPE: Article
SOURCE: Scopus

Omidfar, K., Darzianiazizi, M., Ahmadi, A., Daneshpour, M., Shirazi, H.
A high sensitive electrochemical nanoimmunosensor based on Fe3O4/TMC/Au nanocomposite and PT-modified electrode for the detection of cancer biomarker epidermal growth factor receptor
(2015) Sensors and Actuators, B: Chemical, 220, pp. 1311-1319. Cited 45 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84938351877&doi=10.1016%2fj.snb.2015.07.021&partnerID=40&md5=8cad7b1a19ef3d14b504efc581dd4339

DOI: 10.1016/j.snb.2015.07.021
DOCUMENT TYPE: Article
SOURCE: Scopus

Lupu, S., Lete, C., Lakard, B., Hihn, J.-Y., Sánchez-Molas, D., del Campo, F.J.
Electrochemical deposition and patterning of composite nanomaterials for electrochemical sensors and biosensors
(2015) Comprehensive Guide for Nanocoatings Technology, Volume 4: Application and Commercialization, pp. 359-406.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152980730&partnerID=40&md5=c4487d7e2c23a75a16d32e9db62a902d

DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Lupu, S., Lete, C., JavierdelCampo, F.
Dopamine Electroanalysis Using Electrochemical Biosensors Prepared by a Sinusoidal Voltages Method
(2015) Electroanalysis, 27 (7), pp. 1649-1659. Cited 19 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84934437670&doi=10.1002%2felan.201400680&partnerID=40&md5=6a11054f2d98687c9fb1f71ad8c5da85

DOI: 10.1002/elan.201400680
DOCUMENT TYPE: Article
SOURCE: Scopus

Lete, C., Lupu, S., Lakard, B., Hihn, J.-Y., Del Campo, F.J.
Multi-analyte determination of dopamine and catechol at single-walled carbon nanotubes - Conducting polymer - Tyrosinase based electrochemical biosensors
(2015) Journal of Electroanalytical Chemistry, 744, pp. 53-61. Cited 54 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84924943224&doi=10.1016%2fj.jelechem.2015.03.005&partnerID=40&md5=a97e0e1111d331f6ee3b8846dea07dca

DOI: 10.1016/j.jelechem.2015.03.005
DOCUMENT TYPE: Article
SOURCE: Scopus

Rafique, S., Bin, W., Bhatti, A.S.
Electrochemical immunosensor for prostate-specific antigens using a label-free second antibody based on silica nanoparticles and polymer brush
(2015) Bioelectrochemistry, 101, pp. 75-83. Cited 38 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84907303689&doi=10.1016%2fj.bioelechem.2014.08.001&partnerID=40&md5=407aee3e911cd43e49a94925ceebd6df

DOI: 10.1016/j.bioelechem.2014.08.001
DOCUMENT TYPE: Article
SOURCE: Scopus

Esmaeili, C., Ghasemi, M., Heng, L.Y., Hassan, S.H.A., Abdi, M.M., Daud, W.R.W., Ilbeygi, H., Ismail, A.F.
Synthesis and application of polypyrrole/carrageenan nano-bio composite as a cathode catalyst in microbial fuel cells
(2014) Carbohydrate Polymers, 114, pp. 253-259. Cited 59 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84906847692&doi=10.1016%2fj.carbpol.2014.07.072&partnerID=40&md5=a41968357067750afb9b39eb7a6e81dd

DOI: 10.1016/j.carbpol.2014.07.072
DOCUMENT TYPE: Article
SOURCE: Scopus

Stoytcheva, M., Zlatev, R., Gochev, V., Velkova, Z., Montero, G., Beleño, M.T.
Amperometric biosensors precision improvement. Application to phenolic pollutants determination
(2014) Electrochimica Acta, 147, pp. 25-30. Cited 22 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-

	84907525118&doi=10.1016%2fj.electacta.2014.09.106&partnerID=40&md5=f07aab0d5476fa45ea3f3adcb538cd4d **DOI: 10.1016/j.electacta.2014.09.106** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Brisolari, A., Gonçalves, D.** **Immobilization of tyrosinase from avocado crude extract in polypyrrole films for inhibitive detection of benzoic acid** **(2014) Chemosensors, 2 (3), pp. 182-192. Cited 3 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85025613595&doi=10.3390%2fchemosensors2030182&partnerID=40&md5=c9b167d5a90afe512ae509cb90cc1092** **DOI: 10.3390/chemosensors2030182** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Lungu, A., Ciucu, A.A., Bala, D., Mihailciuc, C.** **Investigations of hydroquinone oxidation inside the reaction layer of banana tissue with scanning electrochemical microscopy and double pulse amperometry** **(2014) Revue Roumaine de Chimie, 59 (6-7), pp. 421-428.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84924421961&partnerID=40&md5=7a71d9c5cd8b02876f8c070b2af631ab** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Apetrei, I.M., Popa, C.V., Apetrei, C., Tutunaru, D.** **Biosensors based on graphene modified screen-printed electrodes for the detection of catecholamines** **(2014) Romanian Biotechnological Letters, 19 (5), pp. 9801-9809. Cited 14 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84917705612&partnerID=40&md5=1d4159e95edcfb215fad5ea9fae50bd3** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Fan, J., Shao, W., Xu, G., Cui, X.T., Luo, X.** **Preparation and electrochemical catalytic application of nanocrystalline cellulose doped poly(3,4-ethylenedioxythiophene) conducting polymer nanocomposites** **(2014) RSC Advances, 4 (46), pp. 24328-24333. Cited 32 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84902310919&doi=10.1039%2fc4ra02796e&partnerID=40&md5=eeb9ee22a4536ebf784c1a1fe73905cb** **DOI: 10.1039/c4ra02796e** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Wang, G.W., Lu, Y.N., Wang, L.P., Wang, H.J., Wang, J.Y.** **Nanostructured conducting polymers and their biomedical applications** **(2014) Journal of Nanoscience and Nanotechnology, 14 (1), pp. 596-612. Cited 16 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84893791994&doi=10.1166%2fjnn.2014.9084&partnerID=40&md5=1faf57755a1ac5fe8dd77fe2b5b4ac56** **DOI: 10.1166/jnn.2014.9084** **DOCUMENT TYPE: Review** **SOURCE: Scopus**	
28	**In situ electrodeposition of biocomposite materials by sinusoidal voltages on microelectrodes array for tyrosinase based amperometric biosensor development, Lupu, S., Lete, C., Balaure, P.C., Campo, F.J.D., Muñoz, F.X., Lakard, B., Hihn, J.-Y., Sensors and Actuators, B: Chemical, 181, 2013, 136-143, DOI: 10.1016/j.snb.2013.01.060, WOS: 000317941100020**	32
	Scopus **EXPORT DATE:21 Apr 2024**	

Korolczuk, M., Ochab, M., Gęca, I.
Anodic Stripping Voltammetric Procedure of Thallium(I) Determination by Means of a Bismuth-Plated Gold-Based Microelectrode Array
(2024) Sensors, 24 (4), art. no. 1206, .
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85185858242&doi=10.3390%2fs24041206&partnerID=40&md5=b9da5166af6e506883d592300f5c11cc

DOI: 10.3390/s24041206
DOCUMENT TYPE: Article
SOURCE: Scopus

Leau, S.-A., Lete, C., Lupu, S.
Nanocomposite Materials based on Metal Nanoparticles for the Electrochemical Sensing of Neurotransmitters
(2023) Chemosensors, 11 (3), art. no. 179, . Cited 12 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151152914&doi=10.3390%2fchemosensors11030179&partnerID=40&md5=b437902ecb3926a7c4d1f800b8598428

DOI: 10.3390/chemosensors11030179
DOCUMENT TYPE: Review
SOURCE: Scopus

Çetin, M.Z., Apetrei, R.-M., Guven, N., Camurlu, P.
Ultrasensitive Catechol Detection via Core-Shell Nanofibers: Effect of Type of Conducting Polymer and MWCNT Reinforcement
(2023) Journal of the Electrochemical Society, 170 (10), art. no. 107503, . Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182274584&doi=10.1149%2f1945-7111%2facff1e&partnerID=40&md5=1c78489b6cc36f74f88271a46b03d01e

DOI: 10.1149/1945-7111/acff1e
DOCUMENT TYPE: Article
SOURCE: Scopus

García-Guzmán, J.J., López-Iglesias, D., Cubillana-Aguilera, L., Bellido-Milla, D., Palacios-Santander, J.M., Marin, M., Grigorescu, S.D., Lete, C., Lupu, S.
Silver nanostructures - poly(3,4-ethylenedioxythiophene) sensing material prepared by sinusoidal voltage procedure for detection of antioxidants
(2021) Electrochimica Acta, 393, art. no. 139082, . Cited 8 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113274343&doi=10.1016%2fj.electacta.2021.139082&partnerID=40&md5=8d08550a4313bdd7b2c617afc7f14c18

DOI: 10.1016/j.electacta.2021.139082
DOCUMENT TYPE: Article
SOURCE: Scopus

da Silva, W., Brett, C.M.A.
Electrosynthesis and characterisation of novel poly(Nile blue)-deep eutectic solvent/Prussian blue nanoparticle modified electrodes and their biosensing application
(2021) Journal of Electroanalytical Chemistry, 896, art. no. 115188, . Cited 4 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113960930&doi=10.1016%2fj.jelechem.2021.115188&partnerID=40&md5=fb93be46bd9efcd5c72d1f4f3683dd16

DOI: 10.1016/j.jelechem.2021.115188
DOCUMENT TYPE: Article
SOURCE: Scopus

Hashim, H.S., Fen, Y.W., Omar, N.A.S., Daniyal, W.M.E.M.M., Saleviter, S., Abdullah, J.
Structural, optical and potential sensing properties of tyrosinase immobilized graphene oxide thin film on gold surface
(2020) Optik, 212, art. no. 164786, . Cited 14 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85083762097&doi=10.1016%2fj.ijleo.2020.164786&partnerID=40&md5=c37dc3b6c367bf32739a022e72662e

91

DOI: 10.1016/j.ijleo.2020.164786
DOCUMENT TYPE: Article
SOURCE: Scopus

Hashim, H.S., Fen, Y.W., Sheh Omar, N.A., Abdullah, J., Mustaqim Mohd Daniyal, W.M.E., Saleviter, S.
Detection of phenol by incorporation of gold modified-enzyme based graphene oxide thin film with surface plasmon resonance technique
(2020) Optics Express, 28 (7), pp. 9738-9752. Cited 33 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082732218&doi=10.1364%2fOE.387027&partnerID=40&md5=b01a109636c3e464f1903cdd4e8130a4

DOI: 10.1364/OE.387027
DOCUMENT TYPE: Article
SOURCE: Scopus

Bottari, D., Pigani, L., Zanardi, C., Terzi, F., Paturca, S.V., Grigorescu, S.D., Matei, C., Lete, C., Lupu, S.
Electrochemical sensing of caffeic acid using gold nanoparticles embedded in poly(3,4-ethylenedioxythiophene) layer by sinusoidal voltage procedure
(2019) Chemosensors, 7 (4), art. no. 65, . Cited 17 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078919207&doi=10.3390%2fchemosensors7040065&partnerID=40&md5=ec6fe5c60d118b3a40d2c4e76282e556

DOI: 10.3390/chemosensors7040065
DOCUMENT TYPE: Article
SOURCE: Scopus

Karabozhikova, V., Tsakova, V., Lete, C., Marin, M., Lupu, S.
Poly(3,4-ethylenedioxythiophene)-modified electrodes for tryptophan voltammetric sensing
(2019) Journal of Electroanalytical Chemistry, 848, art. no. 113309, . Cited 13 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069638780&doi=10.1016%2fj.jelechem.2019.113309&partnerID=40&md5=71048e630f442ac87c49c7fcf7ac0755

DOI: 10.1016/j.jelechem.2019.113309
DOCUMENT TYPE: Article
SOURCE: Scopus

Laranjo, M.T., Morawski, F.M., Dias, S.L.P., Benvenutti, E.V., Arenas, L.T., Costa, T.M.H.
Silica/titania graphite composite modified with chitosan and tyrosinase employed as a sensitive biosensor for phenolic compounds
(2019) Journal of the Brazilian Chemical Society, 30 (12), pp. 2660-2671. Cited 14 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077170128&doi=10.21577%2f0103-5053.20190190&partnerID=40&md5=2c6b7d47d5c7d58040d631f0c664173b

DOI: 10.21577/0103-5053.20190190
DOCUMENT TYPE: Article
SOURCE: Scopus

Ribovski, L., dos Santos, F.A., Zucolotto, V., Janegitz, B.C.
Gold nanorods and poly(amido amine) dendrimer thin film for biosensing
(2019) Journal of Solid State Electrochemistry, . Cited 5 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064203569&doi=10.1007%2fs10008-019-04247-z&partnerID=40&md5=9b02f86879890a5be24aa4af0d7c7c9a

DOI: 10.1007/s10008-019-04247-z
DOCUMENT TYPE: Article
SOURCE: Scopus

García-Guzmán, J.J., López-Iglesias, D., Cubillana-Aguilera, L., Lete, C., Lupu, S., Palacios-Santander, J.M., Bellido-Milla, D.
Assessment of the polyphenol indices and antioxidant capacity for beers and wines using a tyrosinase-based biosensor prepared by sinusoidal current method

(2019) Sensors (Switzerland), 19 (1), art. no. 66, . Cited 32 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059117529&doi=10.3390%2fs19010066&partnerID=40&md5=4254c2ac675b822ea97bba2c8aca0214

DOI: 10.3390/s19010066
DOCUMENT TYPE: Article
SOURCE: Scopus

Josypčuk, O., Barek, J., Josypčuk, B.
Amperometric Determination of Catecholamines by Enzymatic Biosensors in Flow Systems
(2018) Electroanalysis, 30 (6), pp. 1163-1171. Cited 14 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043703846&doi=10.1002%2felan.201800078&partnerID=40&md5=c4ee2c8e27b14b5b85b4d881638f5821

DOI: 10.1002/elan.201800078
DOCUMENT TYPE: Article
SOURCE: Scopus

Bastos-Arrieta, J., Montes, R., Ocaña, C., Espinoza, M., Muñoz, M., Baeza, M.
In situ characterization of size, spatial distribution, chemical composition, and electroanalytical response of hybrid nanocomposite materials
(2018) In-situ Characterization Techniques for Nanomaterials, pp. 251-288. Cited 6 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058733809&doi=10.1007%2f978-3-662-56322-9_8&partnerID=40&md5=081edc2a7becfab6a3167104505c6d3b

DOI: 10.1007/978-3-662-56322-9_8
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Morawski, F.D.M., Deon, M., Nicolodi, S., de Menezes, E.W., Costa, T.M.H., Dias, S.L.P., Benvenutti, E.V., Arenas, L.T.
Magnetic silica/titania xerogel applied as electrochemical biosensor for catechol and catecholamines
(2018) Electrochimica Acta, 264, pp. 319-328. Cited 33 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041403874&doi=10.1016%2fj.electacta.2018.01.127&partnerID=40&md5=ab579b15fef0b83045fa89c43f6aca26

DOI: 10.1016/j.electacta.2018.01.127
DOCUMENT TYPE: Article
SOURCE: Scopus

Kahlouche, K., Jijie, R., Hosu, I., Barras, A., Gharbi, T., Yahiaoui, R., Herlem, G., Ferhat, M., Szunerits, S., Boukherroub, R.
Controlled modification of electrochemical microsystems with polyethylenimine/reduced graphene oxide using electrophoretic deposition: Sensing of dopamine levels in meat samples
(2018) Talanta, 178, pp. 432-440. Cited 30 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85030326865&doi=10.1016%2fj.talanta.2017.09.065&partnerID=40&md5=3a3b0134c07ca86a3a28faa1fa0b1983

DOI: 10.1016/j.talanta.2017.09.065
DOCUMENT TYPE: Article
SOURCE: Scopus

García Guzmán, J.J., Aguilera, L.C., Milla, D.B., Rodríguez, I.N., Lete, C., Palacios Santander, J.M., Lupu, S.
Development of Sonogel-Carbon based biosensors using sinusoidal voltages and currents methods
(2018) Sensors and Actuators, B: Chemical, 255, pp. 1525-1535. Cited 11 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85028607625&doi=10.1016%2fj.snb.2017.08.161&partnerID=40&md5=ae5e3c06ee7e73fdd7476353fa56d903

DOI: 10.1016/j.snb.2017.08.161
DOCUMENT TYPE: Article
SOURCE: Scopus

Karazehir, T., Gokce, Z.G., Ates, M., Sarac, A.S.
Gold nanoparticle/nickel oxide/poly(Pyrrole-N-propionic acid) hybrid multilayer film: Electrochemical study and its application in biosensing
(2017) Express Polymer Letters, 11 (6), pp. 449-466. Cited 11 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85016646559&doi=10.3144%2fexpresspolymlett.2017.43&partnerID=40&md5=b3632be5b259c5db8c89680dea2333ca

DOI: 10.3144/expresspolymlett.2017.43
DOCUMENT TYPE: Article
SOURCE: Scopus

Lete, C., Lakard, B., Hihn, J.-Y., del Campo, F.J., Lupu, S.
Use of sinusoidal voltages with fixed frequency in the preparation of tyrosinase based electrochemical biosensors for dopamine electroanalysis
(2017) Sensors and Actuators, B: Chemical, 240, pp. 801-809. Cited 36 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84990248458&doi=10.1016%2fj.snb.2016.09.045&partnerID=40&md5=3a28852caec5e2ed25779d26d0ebe0af

DOI: 10.1016/j.snb.2016.09.045
DOCUMENT TYPE: Article
SOURCE: Scopus

Rahman, S.F., Min, K., Park, S.-H., Park, J.-H., Yoo, J.C., Park, D.-H.
Highly sensitive and selective dopamine detection by an amperometric biosensor based on tyrosinase/MWNT/GCE
(2016) Korean Journal of Chemical Engineering, 33 (12), pp. 3442-3447. Cited 20 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84984906852&doi=10.1007%2fs11814-016-0207-2&partnerID=40&md5=8b5f7d950d2be742b471e9dc0a670c02

DOI: 10.1007/s11814-016-0207-2
DOCUMENT TYPE: Article
SOURCE: Scopus

Lete, C., Berger, D., Matei, C., Lupu, S.
Electrochemical and microgravimetric studies of poly[3,4-ethylenedioxythiophene]-tyrosinase biocomposite material electrodeposited onto gold electrodes by a sinusoidal voltages method
(2016) Journal of Solid State Electrochemistry, 20 (11), pp. 3043-3051. Cited 7 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84991248389&doi=10.1007%2fs10008-016-3270-z&partnerID=40&md5=da6f713e3c0e74d312c4fca12014fa72

DOI: 10.1007/s10008-016-3270-z
DOCUMENT TYPE: Article
SOURCE: Scopus

Lupu, S., Lete, C., Lakard, B., Hihn, J.-Y., Sánchez-Molas, D., del Campo, F.J.
Electrochemical deposition and patterning of composite nanomaterials for electrochemical sensors and biosensors
(2015) Comprehensive Guide for Nanocoatings Technology, Volume 4: Application and Commercialization, pp. 359-406.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152980730&partnerID=40&md5=c4487d7e2c23a75a16d32e9db62a902d

DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Lupu, S., Lete, C., JavierdelCampo, F.
Dopamine Electroanalysis Using Electrochemical Biosensors Prepared by a Sinusoidal Voltages Method
(2015) Electroanalysis, 27 (7), pp. 1649-1659. Cited 19 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84934437670&doi=10.1002%2felan.201400680&partnerID=40&md5=6a11054f2d98687c9fb1f71ad8c5da85

DOI: 10.1002/elan.201400680

DOCUMENT TYPE: Article
SOURCE: Scopus

Lete, C., Teodorescu, F., Anghel, E.M., Lupu, S., Spataru, T.
The influence of supporting electrolyte on the electrochemical properties of copolymer films based on azulene and 3-thiophene acetic acid
(2015) Journal of Solid State Electrochemistry, 19 (6), art. no. 32, pp. 1875-1883. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84937760531&doi=10.1007%2fs10008-015-2844-5&partnerID=40&md5=c72d004730b1a3b6fa425b1cfb4dd48a

DOI: 10.1007/s10008-015-2844-5
DOCUMENT TYPE: Article
SOURCE: Scopus

Haddaoui, M., Raouafi, N.
Chlortoluron-induced enzymatic activity inhibition in tyrosinase/ZnO NPs/SPCE biosensor for the detection of ppb levels of herbicide
(2015) Sensors and Actuators, B: Chemical, 219, pp. 171-178. Cited 44 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84930945581&doi=10.1016%2fj.snb.2015.05.023&partnerID=40&md5=c2028f7e4d0eb5fe4d589f72e2224dfd

DOI: 10.1016/j.snb.2015.05.023
DOCUMENT TYPE: Article
SOURCE: Scopus

Lete, C., Lupu, S., Lakard, B., Hihn, J.-Y., Del Campo, F.J.
Multi-analyte determination of dopamine and catechol at single-walled carbon nanotubes - Conducting polymer - Tyrosinase based electrochemical biosensors
(2015) Journal of Electroanalytical Chemistry, 744, pp. 53-61. Cited 54 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84924943224&doi=10.1016%2fj.jelechem.2015.03.005&partnerID=40&md5=a97e0e1111d331f6ee3b8846dea07dca

DOI: 10.1016/j.jelechem.2015.03.005
DOCUMENT TYPE: Article
SOURCE: Scopus

Lete, C., Gadgil, B., Kvarnström, C.
The electrochemistry of copolymer films based on azulene and 3 thiophene acetic acid
(2015) Journal of Electroanalytical Chemistry, 742, pp. 30-36. Cited 12 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84923171520&doi=10.1016%2fj.jelechem.2015.01.023&partnerID=40&md5=958ae12387efed9798fd63cf0487e43d

DOI: 10.1016/j.jelechem.2015.01.023
DOCUMENT TYPE: Article
SOURCE: Scopus

Şenyurt, O., Eyidołan, F., Yilmaz, R., Öz, M.T., Özalp, V.C., Arica, Y., Öktem, H.A.
Development of a paper-type tyrosinase biosensor for detection of phenolic compounds
(2015) Biotechnology and Applied Biochemistry, 62 (1), pp. 132-136. Cited 13 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84922929301&doi=10.1002%2fbab.1246&partnerID=40&md5=28d1db38972cee410b9abebcd4dce554

DOI: 10.1002/bab.1246
DOCUMENT TYPE: Article
SOURCE: Scopus

Rodríguez-Sevilla, E., Ramírez-Silva, M.-T., Romero-Romo, M., Ibarra-Escutia, P., Palomar-Pardavé, M.
Electrochemical quantification of the antioxidant capacity of medicinal plants using biosensors
(2014) Sensors (Switzerland), 14 (8), pp. 14423-14439. Cited 36 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84927937967&doi=10.3390%2fs140814423&partnerID=40&md5=810102f7b60ae1fb9ad0af41030c3e67

DOI: 10.3390/s140814423

	DOCUMENT TYPE: Article **SOURCE: Scopus** **Liu, Y., Kim, E., Lee, M.E., Zhang, B., Elabd, Y.A., Wang, Q., White, I.M., Bentley, W.E., Payne, G.F.** **Enzymatic writing to soft films: Potential to filter, store, and analyze biologically relevant chemical information** **(2014) Advanced Functional Materials, 24 (4), pp. 480-491. Cited 15 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84892932293&doi=10.1002%2fadfm.201301434&partnerID=40&md5=0ae79c9d41e434be81e1bea75ac5e03d** **DOI: 10.1002/adfm.201301434** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Rodríguez-Sevilla, E., Ramírez-Silvaa, M.T., Palomar-Pardavéb, M., Romero-Romob, M.A., Marty, J.L., Ibarra-Escutiad, P.** **A novel tyrosinase base biosensor for the quantification of antioxidan capacity. evaluation on infusions of medicinal plants** **(2014) ECS Transactions, 64 (1), pp. 49-57. Cited 1 time.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84921062182&doi=10.1149%2f06401.0049ecst&partnerID=40&md5=05a218febf08653872ce3a1610029a93** **DOI: 10.1149/06401.0049ecst** **DOCUMENT TYPE: Conference Paper** **SOURCE: Scopus** **Fan, J., Shao, W., Xu, G., Cui, X.T., Luo, X.** **Preparation and electrochemical catalytic application of nanocrystalline cellulose doped poly(3,4-ethylenedioxythiophene) conducting polymer nanocomposites** **(2014) RSC Advances, 4 (46), pp. 24328-24333. Cited 32 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84902310919&doi=10.1039%2fc4ra02796e&partnerID=40&md5=eeb9ee22a4536ebf784c1a1fe73905cb** **DOI: 10.1039/c4ra02796e** **DOCUMENT TYPE: Article** **SOURCE: Scopus**	
29	**Biocompatible magnetic MWCNTs based on phytocomponents from Eugenia carryophyllata, Saviuc, C., Grumezescu, A.M., Banu, O., Chifiriuc, C., Mihaiescu, D., Balaure, P., Lazar, V., Revista de Chimie, 63 (5), 2012, 531-535, WOS:000304494200017**	5
	Scopus **EXPORT DATE:21 Apr 2024** **Mozayyeni, N., Morsali, A., Bozorgmehr, M.R., Beyramabadi, S.A.** **Quantum Mechanical Study of the Covalent Bonding of Troxacitabine with Functionalized Carbon Nanotubes** **(2021) Moscow University Chemistry Bulletin, 76 (4), pp. 269-276.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113723314&doi=10.3103%2fS0027131421040052&partnerID=40&md5=4d5fd361f38c9af32ad135ace631bfed** **DOI: 10.3103/S0027131421040052** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Mozayyeni, N., Morsali, A., Bozorgmehr, M.R., Ali Beyramabadi, S.** **Quantum chemical insight into the adsorption mechanisms of troxacitabine onto functionalized carbon nanotubes** **(2018) Revista de Chimie, 69 (9), pp. 2607-2612.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054334725&partnerID=40&md5=d3c7bad4bb6300e1d6f4a0f9e355b1f2** **DOCUMENT TYPE: Article** **SOURCE: Scopus**	

	Chifiriuc, M.C., Kamerzan, C., Lazar, V. **Essential Oils and Nanoparticles: New Strategy to Prevent Microbial Biofilms** **(2017) Nanostructures for Antimicrobial Therapy: Nanostructures in Therapeutic Medicine Series, pp. 279-291. Cited 11 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032678645&doi=10.1016%2fB978-0-323-46152-8.00012-3&partnerID=40&md5=b831e2b40ec831fc37c14958b1ecff26** **DOI: 10.1016/B978-0-323-46152-8.00012-3** **DOCUMENT TYPE: Book Chapter** **SOURCE: Scopus** **Anghel, I., Grumezescu, A.M., Anghel, A.G., Saviuc, C., Croitoru, C., Mihaiescu, D.E., Chifiriuc, C.M.** **Synthesis and bioevaluation of magnetic particles based on chitosan and phytocomponents from Eugenia Carryophyllata aqueous extract** **(2015) Environmental Engineering and Management Journal, 14 (4), pp. 855-861. Cited 1 time.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84940755336&doi=10.30638%2feemj.2015.096&partnerID=40&md5=505a0d73299735473e59ec09a8ac138f** **DOI: 10.30638/eemj.2015.096** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Anghel, A.G., Grumezescu, A.M., Chirea, M., Grumezescu, V., Socol, G., Iordache, F., Oprea, A.E., Anghel, I., Holban, A.M.** **MAPLE fabricated Fe3O4@Cinnamomum verum antimicrobial surfaces for improved gastrostomy tubes** **(2014) Molecules, 19 (7), pp. 8981-8994. Cited 43 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904810365&doi=10.3390%2fmolecules19078981&partnerID=40&md5=05a8f7cf46312860c6bc7472db1da731** **DOI: 10.3390/molecules19078981** **DOCUMENT TYPE: Article** **SOURCE: Scopus**	
30	**Bioassay and electrochemical evaluation of controlled release behavior of cephalosporins from magnetic nanoparticles, Mihaiescu, D.E., Grumezescu, A.M., Buteica, A.S., Mogosanu, D.E., Balaure, P.C., Mihaiescu, O.M., Trăistaru, V., Vasile, B.S., Digest Journal of Nanomaterials and Biostructures, 7 (1), 2012, 253-260, WOS: 000303649000028**	7
	Scopus **EXPORT DATE:21 Apr 2024** **Fifere, N., Airinei, A., Dobromir, M., Sacarescu, L., Dunca, S.I.** **Revealing the effect of synthesis conditions on the structural, optical, and antibacterial properties of cerium oxide nanoparticles** **(2021) Nanomaterials, 11 (10), art. no. 2596, . Cited 15 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116116004&doi=10.3390%2fnano11102596&partnerID=40&md5=5f114b3b3208eb72f6e9951b2f77f90a** **DOI: 10.3390/nano11102596** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Lupa, L., Filimon, A., Popa, A., Dunca, S.** **Development of adsorbent materials based on functionalized copolymers with future applications as antibacterial agent in life quality and environmental field** **(2021) Reactive and Functional Polymers, 161, art. no. 104845, . Cited 3 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102073273&doi=10.1016%2fj.reactfunctpolym.2021.104845&partnerID=40&md5=248b7eddd05df086a1c35e12ddd21c9d** **DOI: 10.1016/j.reactfunctpolym.2021.104845** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Atta, A.M., L-Lohedan, H.A., Al-Hussain, S.A.** **Collection of petroleum crude oil spill pollutants from sea water using high magnetization antimicrobial**	

	biocompatible magnetite nanoparticles **(2016) Digest Journal of Nanomaterials and Biostructures, 11 (1), pp. 185-198. Cited 6 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84959470486&partnerID=40&md5=a7601a61a8f52362f83bac5732f90181** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Fufă, M.O.M., Mihaiescu, D.E., Mogoantă, L., Bălşeanu, T.-A., Mogoşanu, G.D., Grumezescu, A.M., Bolocan, A.** **In vivo biodistribution of CNTSs using a BALB/c mouse experimental model** **(2015) Romanian Journal of Morphology and Embryology, 56 (4), pp. 1481-1493. Cited 7 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84953386604&partnerID=40&md5=39f9db9f9ff527c5857abb25c22758a6** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Buteica, S.A., Mihaiescu, D.E., Purcaru, S.O., Croitoru, O.** **Electrochemical evaluation of controlled release profile of cefoperazone from magnetic nanoparticles** **(2014) Digest Journal of Nanomaterials and Biostructures, 9 (4), pp. 1639-1645.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84937556526&partnerID=40&md5=782471b5e483b13a7b59d77d74240d0a** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Anghel, A.G., Grumezescu, A.M., Chirea, M., Grumezescu, V., Socol, G., Iordache, F., Oprea, A.E., Anghel, I., Holban, A.M.** **MAPLE fabricated Fe3O4@Cinnamomum verum antimicrobial surfaces for improved gastrostomy tubes** **(2014) Molecules, 19 (7), pp. 8981-8994. Cited 43 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904810365&doi=10.3390%2fmolecules19078981&partnerID=40&md5=05a8f7cf46312860c6bc7472db1da731** **DOI: 10.3390/molecules19078981** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Arokiyaraj, S., Saravanan, M., Udaya Prakash, N.K., Valan Arasu, M., Vijayakumar, B., Vincent, S.** **Enhanced antibacterial activity of iron oxide magnetic nanoparticles treated with Argemone mexicana L. leaf extract: An in vitro study** **(2013) Materials Research Bulletin, 48 (9), pp. 3323-3327. Cited 148 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84880137239&doi=10.1016%2fj.materresbull.2013.05.059&partnerID=40&md5=46bc80bcfe3b88b4ed88c3483ff1ce3c** **DOI: 10.1016/j.materresbull.2013.05.059** **DOCUMENT TYPE: Article** **SOURCE: Scopus**	
31	**Inhibitory activity of Fe 3O 4/oleic acid/usnic acid - Core/shell/extra-shell nanofluid on S. aureus biofilm development, Grumezescu, A.M., Saviuc, C., Chifiriuc, M.C., Hristu, R., Mihaiescu, D.E., Balaure, P., Stanciu, G., Lazar, V., IEEE Transactions on Nanobioscience, 10 (4), 2011, art. no. 6096421, 269-274, DOI: 10.1109/TNB.2011.2178263, WOS:000299525900008**	63
	Scopus **EXPORT DATE:21 Apr 2024** **Stoica, A.E., Albuleț, D., Bîrcă, A.C., Iordache, F., Ficai, A., Grumezescu, A.M., Vasile, B.Ú., Andronescu, E., Marinescu, F., Holban, A.M.** **Electrospun Nanofibrous Mesh Based on PVA, Chitosan, and Usnic Acid for Applications in Wound Healing** **(2023) International Journal of Molecular Sciences, 24 (13), art. no. 11037, . Cited 3 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164847002&doi=10.3390%2fijms241311037&partnerID=40&md5=0ca5815853ece7059906b55f32d10de4**	

DOI: 10.3390/ijms241311037
DOCUMENT TYPE: Article
SOURCE: Scopus

Leakey, J.E.A., Lewis, S., Olson, G.R., Adams, R.L., Ali, A.A., Allaben, W.T., Babb, A.R., Blystone, C.R., Cesta, M.F., Colvert, R.M., Cozart, C.R., Cunny, H.C., Deck, J., Evans, R.L., Felton, R.P., Fowler, J.M., Freeman, J.P., Heinze, T.M., Holland, M.A., Howard, P.C., Johnson, S.J., Juliar, B.E., King, S.L., Matson, S.C., Mylchreest, E., Paine, D.D., Roberts, G.K., Shipkowski, K.A., Shockley, K.R., Siitonen, P.H., Sims, L.M., Sloan, C.S., Smith, R.D., Steele, R.S., Stingley, R.L., Summage-West, C.V., Sutherland, V.L., Tyl, R.W., Wagner, R.D., Waidyanatha, S., Walker, N.J., Warbritton, A.R., Wiley, L.P., Witt, K.L.
NTP Technical Report on the Toxicity Studies of (+)-Usnic Acid (CASRN 7562-61-0) Administered in Feed to F344/N Nctr Rats and B6C3F1/Nctr Mice
(2022) NTP Technical Report on the Toxicity Studies Series, TOX-104, pp. 1-132. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146884309&partnerID=40&md5=54f83c2fbe87c0603d7aa371debbaf70

DOCUMENT TYPE: Article
SOURCE: Scopus

Lee, J.-H., Kim, Y.-G., Lee, J.
Inhibition of Staphylococcus aureus Biofilm Formation and Virulence Factor Production by Petroselinic Acid and Other Unsaturated C18 Fatty Acids
(2022) Microbiology Spectrum, 10 (3), . Cited 20 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133215040&doi=10.1128%2fspectrum.01330-22&partnerID=40&md5=9ab5e154c2000def2dbd1f604fab19dd

DOI: 10.1128/spectrum.01330-22
DOCUMENT TYPE: Article
SOURCE: Scopus

Majumdar, M., Kumar Misra, T.
Metal nanoparticles against growth of microbial biofilm
(2022) A Complete Guidebook on Biofilm Study, pp. 157-176. Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153810208&doi=10.1016%2fB978-0-323-88480-8.00005-4&partnerID=40&md5=403fbc748ea54c94a5e4548783705919

DOI: 10.1016/B978-0-323-88480-8.00005-4
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Bhanvase, B., Barai, D.
Nanofluids for Heat and Mass Transfer: Fundamentals, Sustainable Manufacturing and Applications
(2021) Nanofluids for Heat and Mass Transfer: Fundamentals, Sustainable Manufacturing and Applications, pp. 1-448. Cited 9 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126307733&doi=10.1016%2fB978-0-12-821955-3.09993-3&partnerID=40&md5=d6727f137d4804026da10798c80d747a

DOI: 10.1016/B978-0-12-821955-3.09993-3
DOCUMENT TYPE: Book
SOURCE: Scopus

Inés Molina, R.D., Campos-Silva, R., Díaz, M.A., Macedo, A.J., Blázquez, M.A., Alberto, M.R., Arena, M.E.
Laurel extracts inhibit Quorum sensing, virulence factors and biofilm of foodborne pathogens
(2020) LWT, 134, art. no. 109899, . Cited 19 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089284040&doi=10.1016%2fj.lwt.2020.109899&partnerID=40&md5=b54b77dfac8a21707eb3077d24ae9208

DOI: 10.1016/j.lwt.2020.109899
DOCUMENT TYPE: Article
SOURCE: Scopus

Olar, R., Badea, M., Maxim, C., Grumezescu, A.M., Bleotu, C., Măruțescu, L., Chifiriuc, M.C.
Anti-biofilm Fe3O4@C18-[1,3,4]thiadiazolo[3,2-a]pyrimidin-4-ium-2-thiolate derivative core-shell nanocoatings

(2020) Materials, 13 (20), art. no. 4640, pp. 1-15. Cited 6 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093828945&doi=10.3390%2fma13204640&partnerID=40&md5=2b658bb1cb0f56de0977ef1b6ac8caad

DOI: 10.3390/ma13204640
DOCUMENT TYPE: Article
SOURCE: Scopus

Zugic, A., Tadic, V., Savic, S.
Nano-and microcarriers as drug delivery systems for usnic acid: Review of literature
(2020) Pharmaceutics, 12 (2), art. no. 156, . Cited 23 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079679870&doi=10.3390%2fpharmaceutics12020156&partnerID=40&md5=9e3a3b8d4190b7c20993f0074dae387a

DOI: 10.3390/pharmaceutics12020156
DOCUMENT TYPE: Review
SOURCE: Scopus

Sheikhpour, M., Arabi, M., Kasaeian, A., Rabei, A.R., Taherian, Z.
Role of nanofluids in drug delivery and biomedical technology: Methods and applications
(2020) Nanotechnology, Science and Applications, 13, pp. 47-59. Cited 95 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088599817&doi=10.2147%2fNSA.S260374&partnerID=40&md5=4209ec8e903e7439c1e8f4a6e03da369

DOI: 10.2147/NSA.S260374
DOCUMENT TYPE: Review
SOURCE: Scopus

Guzow-Krzemińska, B., Guzow, K., Herman-Antosiewicz, A.
Usnic Acid Derivatives as Cytotoxic Agents Against Cancer Cells and the Mechanisms of Their Activity
(2019) Current Pharmacology Reports, 5 (6), pp. 429-439. Cited 12 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076494815&doi=10.1007%2fs40495-019-00202-8&partnerID=40&md5=f6c3918ac2eb1850753c6524ada8481a

DOI: 10.1007/s40495-019-00202-8
DOCUMENT TYPE: Review
SOURCE: Scopus

Galanty, A., Paśko, P., Podolak, I.
Enantioselective activity of usnic acid: a comprehensive review and future perspectives
(2019) Phytochemistry Reviews, 18 (2), pp. 527-548. Cited 51 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066250299&doi=10.1007%2fs11101-019-09605-3&partnerID=40&md5=935bb81785a45c29661c7271daf6ba35

DOI: 10.1007/s11101-019-09605-3
DOCUMENT TYPE: Review
SOURCE: Scopus

Abaturov, A.E., Kryuchko, T.A.
Pharmacological effect on biofilm dispersion. Derivatives of the diffusible signal factor family [Медиêаментозное влияние на диспергирование биопленêи. Производные представителеé семеéства диôôундирующего сигнального ôаêтора] [Медиêаментозниé вплив на диспергування біоплівêи. Похідні представниêів родини диôундуючого сигнального чинниêа]
(2019) Child's Health, 14 (6), pp. 386-392. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096816032&doi=10.22141%2f2224-0551.14.6.2019.179247&partnerID=40&md5=6e77741b9842d3ff32eb6bcaa4d3b7e2

DOI: 10.22141/2224-0551.14.6.2019.179247
DOCUMENT TYPE: Review
SOURCE: Scopus

Francolini, I., Piozzi, A., Donelli, G.
Usnic Acid: Potential Role in Management of Wound Infections
(2019) Advances in Experimental Medicine and Biology, 1214, pp. 31-41. Cited 13 times.

https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076417073&doi=10.1007%2f5584_2018_260&partnerID=40&md5=3776aefa5d525ff7a32966bc3baebc6c

DOI: 10.1007/5584_2018_260
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Du, B., Shi, Y., Liu, Q.
Fabrication of Fe3O4@SiO2 nanofluids with high breakdown voltage and low dielectric loss
(2019) Coatings, 9 (11), art. no. 716, . Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075583468&doi=10.3390%2fcoatings9110716&partnerID=40&md5=f4f869f695ac70d43d4add1f3780e287

DOI: 10.3390/coatings9110716
DOCUMENT TYPE: Article
SOURCE: Scopus

Ficai, D., Grumezescu, V., Fufă, O.M., Popescu, R.C., Holban, A.M., Ficai, A., Grumezescu, A.M., Mogoanta, L., Mogosanu, G.D., Andronescu, E.
Antibiofilm coatings based on PLGA and nanostructured cefepime-functionalized magnetite
(2018) Nanomaterials, 8 (9), art. no. 633, . Cited 22 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052659214&doi=10.3390%2fnano8090633&partnerID=40&md5=e3b2501950b7f0e503a6fbfa05071d39

DOI: 10.3390/nano8090633
DOCUMENT TYPE: Article
SOURCE: Scopus

Qu, C., Zhang, L., Du, X., Zhang, X., Zheng, J., Zhao, Y., Tu, P.
Preparation and evaluation of wet-milled usnic acid nanocrystal suspension for better bioaffinity
(2018) Drug Development and Industrial Pharmacy, 44 (5), pp. 707-712. Cited 9 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85038400577&doi=10.1080%2f03639045.2017.1409756&partnerID=40&md5=0955f26ee5ff36e42f3584bc0839259e

DOI: 10.1080/03639045.2017.1409756
DOCUMENT TYPE: Article
SOURCE: Scopus

Alpsoy, L., Baykal, A., Amir, M., Ülker, Z., Nawaz, M.
SPION@APTES@FA-PEG@Usnic Acid Bionanodrug for Cancer Therapy
(2018) Journal of Superconductivity and Novel Magnetism, 31 (5), pp. 1395-1401. Cited 9 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85029484597&doi=10.1007%2fs10948-017-4333-9&partnerID=40&md5=0216a32f6f2da7728643b3c43254e190

DOI: 10.1007/s10948-017-4333-9
DOCUMENT TYPE: Article
SOURCE: Scopus

Khan, F., Khan, M.M., Kim, Y.-M.
Recent progress and future perspectives of antibiofilm drugs immobilized on nanomaterials
(2018) Current Pharmaceutical Biotechnology, 19 (8), pp. 631-643. Cited 31 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055194156&doi=10.2174%2f1389201019666180828090052&partnerID=40&md5=9557b3c7b7ab240ec62182bb2d60c01a

DOI: 10.2174/1389201019666180828090052
DOCUMENT TYPE: Review
SOURCE: Scopus

Lee, J.-H., Kim, Y.-G., Park, J.G., Lee, J.
Supercritical fluid extracts of Moringa oleifera and their unsaturated fatty acid components inhibit biofilm formation by Staphylococcus aureus
(2017) Food Control, 80, pp. 74-82. Cited 44 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-

85018867891&doi=10.1016%2fj.foodcont.2017.04.035&partnerID=40&md5=a372f627003269cf3caec375360414f3

DOI: 10.1016/j.foodcont.2017.04.035
DOCUMENT TYPE: Article
SOURCE: Scopus

Dasgupta, Q., Madras, G., Chatterjee, K.
Controlled Release of Usnic Acid from Biodegradable Polyesters to Inhibit Biofilm Formation
(2017) ACS Biomaterials Science and Engineering, 3 (3), pp. 291-303. Cited 8 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85015203483&doi=10.1021%2facsbiomaterials.6b00680&partnerID=40&md5=2390239f2b55716312f6822f54c1c08c

DOI: 10.1021/acsbiomaterials.6b00680
DOCUMENT TYPE: Article
SOURCE: Scopus

Moura, J.B., de Vargas, A.C., Gouveia, G.V., Gouveia, J.J.S., Ramos-Júnior, J.C., Botton, S.A., Pereira, E.C., da Costa, M.M.
In vitro antimicrobial activity of the organic extract of Cladonia substellata Vainio and usnic acid against Staphylococcus spp. obtained from cats and dogs
(2017) Pesquisa Veterinaria Brasileira, 37 (4), pp. 368-378. Cited 7 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85027305220&doi=10.1590%2fS0100-736X2017000400011&partnerID=40&md5=cbf34ed46e25639c2291c8edef9e38ec

DOI: 10.1590/S0100-736X2017000400011
DOCUMENT TYPE: Article
SOURCE: Scopus

Stoica, P., Chifiriuc, M.C., Rapa, M., Lazăr, V.
Overview of biofilm-related problems in medical devices
(2017) Biofilms and Implantable Medical Devices: Infection and Control, pp. 3-23. Cited 36 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85009841571&doi=10.1016%2fB978-0-08-100382-4.00001-0&partnerID=40&md5=cba0189c8dc87fbe31dcc0dc3298b6af

DOI: 10.1016/B978-0-08-100382-4.00001-0
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Stan, M.S., Constanda, S., Grumezescu, V., Andronescu, E., Ene, A.M., Holban, A.M., Vasile, B.S., MogoantĂ, L., BĂlşeanu, T.-A., Mogoşanu, G.D., Socol, G., Grumezescu, A.M., Dinischiotu, A., Lazar, V., Chifiriuc, M.C.
Thin coatings based on ZnO@C 18 -usnic acid nanoparticles prepared by MAPLE inhibit the development of Salmonella enterica early biofilm growth
(2016) Applied Surface Science, 374, pp. 318-325. Cited 18 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84953248243&doi=10.1016%2fj.apsusc.2015.12.063&partnerID=40&md5=aa382295264f6aceeca28cdcb3976604

DOI: 10.1016/j.apsusc.2015.12.063
DOCUMENT TYPE: Article
SOURCE: Scopus

Popescu, R.C., Andronescu, E., Oprea, A.E., Grumezescu, A.M.
Toxicity of inorganic nanoparticles against prokaryotic cells
(2016) Nanobiomaterials in Antimicrobial Therapy: Applications of Nanobiomaterials, pp. 29-65. Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84969219520&doi=10.1016%2fB978-0-323-42864-4.00002-6&partnerID=40&md5=828790cc49bdd044473bb112bdffd773

DOI: 10.1016/B978-0-323-42864-4.00002-6
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Ion, A., Andronescu, E., Ŗadulescu, D., Ŗadulescu, M., Iordache, F., Vasile, B.S., Surdu, A.V., Albu, M.G., Maniu, H., Chifiriuc, M.C., Grumezescu, A.M., Holban, A.M.
Biocompatible 3d matrix with antimicrobial properties
(2016) Molecules, 21 (1), art. no. 21010115, . Cited 7 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85000443625&doi=10.3390%2fmolecules21010115&partnerID=40&md5=374a240509a134835497ade13c8e19f2

DOI: 10.3390/molecules21010115
DOCUMENT TYPE: Article
SOURCE: Scopus

Qayyum, S., Khan, A.U.
Nanoparticles: Vs. biofilms: A battle against another paradigm of antibiotic resistance
(2016) MedChemComm, 7 (8), pp. 1479-1498. Cited 156 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84982157010&doi=10.1039%2fc6md00124f&partnerID=40&md5=f71014bfdf35a46f43ad1a005c30be67

DOI: 10.1039/c6md00124f
DOCUMENT TYPE: Article
SOURCE: Scopus

Holban, A.M., Grumezescu, A.M.
Novel molecular approaches in targeting microbial virulence for handling infections
(2015) Novel Molecular Approaches in Targeting Microbial Virulence for Handling Infections, pp. 1-81. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84979678542&doi=10.1515%2f9783110449501&partnerID=40&md5=9ac5e68106c8ef4f34ec95e22468a9be

DOI: 10.1515/9783110449501
DOCUMENT TYPE: Book
SOURCE: Scopus

Giri, M.N., Agarwala, V.
Synthesis and characterization of novel magnetic chitosan bead and their antibacterial applications
(2015) Journal of Bionanoscience, 9 (4), pp. 276-280. Cited 4 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84946077485&doi=10.1166%2fjbns.2015.1305&partnerID=40&md5=86c56f411c8ed11012211f12a1a6881c

DOI: 10.1166/jbns.2015.1305
DOCUMENT TYPE: Article
SOURCE: Scopus

Taresco, V., Francolini, I., Padella, F., Bellusci, M., Boni, A., Innocenti, C., Martinelli, A., D'Ilario, L., Piozzi, A.
Design and characterization of antimicrobial usnic acid loaded-core/shell magnetic nanoparticles
(2015) Materials Science and Engineering C, 52, pp. 72-81. Cited 38 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84925746171&doi=10.1016%2fj.msec.2015.03.044&partnerID=40&md5=267827b619e65198378c6eda0176ecd5

DOI: 10.1016/j.msec.2015.03.044
DOCUMENT TYPE: Article
SOURCE: Scopus

Holban, A.M., Grumezescu, A.M., Iordache, F.
Magnetite Nanostructures: Trends in Anti-Infectious Therapy
(2015) Nanotechnology in Diagnosis, Treatment and Prophylaxis of Infectious Diseases, pp. 51-67. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054206401&doi=10.1016%2fB978-0-12-801317-5.00004-9&partnerID=40&md5=1654798c4619b2fb18f9d0d76b8563ea

DOI: 10.1016/B978-0-12-801317-5.00004-9
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Grumezescu, V., Andronescu, E., Holban, A.M., Mogoantə, L., Mogoşanu, G.D., Grumezescu, A.M., Stənculescu, A., Socol, G., Iordache, F., Maniu, H., Chifiriuc, M.C.
MAPLE fabrication of thin films based on kanamycin functionalized magnetite nanoparticles with anti-pathogenic properties
(2015) Applied Surface Science, 336, pp. 188-195. Cited 23 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84925452106&doi=10.1016%2fj.apsusc.2014.10.177&partnerID=40&md5=b8ec0a1fca04e05694850ee877ee9603

DOI: 10.1016/j.apsusc.2014.10.177
DOCUMENT TYPE: Conference Paper
SOURCE: Scopus

Iordache, F., Oprea, A.E., Grumezescu, V., Andronescu, E., Socol, G., Grumezescu, A.M., Popa, M., Mogoşanu, G.D., Holban, A.M., Maniu, H.
Poly(lactic-co-glycolic) acid/chitosan microsphere thin films functionalized with Cinnamomi aetheroleum and magnetite nanoparticles for preventing the microbial colonization of medical surfaces
(2015) Journal of Sol-Gel Science and Technology, 73 (3), pp. 679-686. Cited 7 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84925485740&doi=10.1007%2fs10971-015-3659-7&partnerID=40&md5=e0702822904fc7648923f79e2c47d753

DOI: 10.1007/s10971-015-3659-7
DOCUMENT TYPE: Article
SOURCE: Scopus

Mogoşanu, G.D., Grumezescu, A.M., Huang, K.-S., Bejenaru, L.E., Bejenaru, C.
Prevention of microbial communities: Novel approaches based natural products
(2015) Current Pharmaceutical Biotechnology, 16 (2), pp. 94-111. Cited 26 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84926193353&doi=10.2174%2f1389201016021501121459 16&partnerID=40&md5=9c9ae9a863da3b082a730e03f6a5efa5

DOI: 10.2174/138920101602150112145916
DOCUMENT TYPE: Article
SOURCE: Scopus

Singh, B.N., Prateeksha, Pandey, G., Jadaun, V., Singh, S., Bajpai, R., Nayaka, S., Naqvi, A.H., Singh Rawat, A.K., Upreti, D.K., Singh, B.R.
Development and characterization of a novel Swarna-based herbo-metallic colloidal nano-formulation-inhibitor of Streptococcus mutans quorum sensing
(2015) RSC Advances, 5 (8), pp. 5809-5822. Cited 35 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84921916859&doi=10.1039%2fc4ra11939h&partnerID=40&md5=8df10a2ce1b6bfe9e98af038d6d3aeea

DOI: 10.1039/c4ra11939h
DOCUMENT TYPE: Article
SOURCE: Scopus

Bilcu, M., Grumezescu, A.M., Oprea, A.E., Popescu, R.C., Mogoanu, G.D., Hristu, R., Stanciu, G.A., Mihailescu, D.F., Lazar, V., Bezirtzoglou, E., Chifiriuc, M.C.
Efficiency of vanilla, patchouli and ylang ylang essential oils stabilized by iron oxide@C14 nanostructures against bacterial adherence and biofilms formed by staphylococcus aureus and klebsiella pneumoniae clinical strains
(2014) Molecules, 19 (11), pp. 17943-17956. Cited 46 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84915756292&doi=10.3390%2fmolecules191117943&partnerID=40&md5=a56081b85a29b796ee4be75f95bb7794

DOI: 10.3390/molecules191117943
DOCUMENT TYPE: Article
SOURCE: Scopus

Guzun, A.S., Stroescu, M., Jinga, S.I., Voicu, G., Grumezescu, A.M., Holban, A.M.
Plackett-Burman experimental design for bacterial cellulose-silica composites synthesis

(2014) Materials Science and Engineering C, 42, pp. 280-288. Cited 36 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84902163293&doi=10.1016%2fj.msec.2014.05.031&partnerID=40&md5=1e7afb04736eb6618544fe23fcd0b63e

DOI: 10.1016/j.msec.2014.05.031
DOCUMENT TYPE: Article
SOURCE: Scopus

Grumezescu, V., Holban, A.M., Iordache, F., Socol, G., Mogoşanu, G.D., Grumezescu, A.M., Ficai, A., Vasile, B.Ş., Truşcă, R., Chifiriuc, M.C., Maniu, H.
MAPLE fabricated magnetite@eugenol and (3-hidroxybutyric acid-co-3-hidroxyvaleric acid)-polyvinyl alcohol microspheres coated surfaces with anti-microbial properties
(2014) Applied Surface Science, 306, pp. 16-22. Cited 51 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84901197796&doi=10.1016%2fj.apsusc.2014.01.126&partnerID=40&md5=c6390b5cc7c7a47d77e89f67e35b0e08

DOI: 10.1016/j.apsusc.2014.01.126
DOCUMENT TYPE: Conference Paper
SOURCE: Scopus

Grumezescu, A.M., Holban, A.M., Andronescu, E., Mogoşanu, G.D., Vasile, B.S., Chifiriuc, M.C., Lazar, V., Andrei, E., Constantinescu, A., Maniu, H.
Anionic polymers and 10 nm Fe3O4@UA wound dressings support human foetal stem cells normal development and exhibit great antimicrobial properties
(2014) International Journal of Pharmaceutics, 463 (2), pp. 146-154. Cited 42 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84894239021&doi=10.1016%2fj.ijpharm.2013.08.026&partnerID=40&md5=c9d013c4aa676059cfec9b914185c898

DOI: 10.1016/j.ijpharm.2013.08.026
DOCUMENT TYPE: Article
SOURCE: Scopus

Gheorghe, I., Chifiriuc, M.C., Cotar, A.I., Lazar, V.
Extended-spectrum beta-lactamase production in Pseudomonas aeruginosa and Acinetobacter baumannii strains: Epidemiology, molecular characterization and novel proteomics-based diagnostic tools
(2014) Current Proteomics, 11 (2), pp. 108-115.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84911491789&doi=10.2174%2f15701646110214091712210 3&partnerID=40&md5=ad173aef5619397ad411d6d5a58394f9

DOI: 10.2174/1570164611021409171221 03
DOCUMENT TYPE: Article
SOURCE: Scopus

Ficai, D., Oprea, O., Ficai, A., Holban, A.M.
Metal oxide nanoparticles: Potential uses in biomedical applications
(2014) Current Proteomics, 11 (2), pp. 139-149. Cited 32 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84911484252&doi=10.2174%2f15701646110214091712283 8&partnerID=40&md5=1dc3cbcd195d766402185f7c091e2037

DOI: 10.2174/1570164611021409171228 38
DOCUMENT TYPE: Article
SOURCE: Scopus

Huang, K.-S., Chang, S.-C., Yang, C.-H., Wang, C.-Y.
Advances in bio-hybrid nanostructures with anti-pathogenic activity
(2014) Current Medicinal Chemistry, 21 (29), pp. 3323-3332. Cited 3 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84926343314&doi=10.2174%2f09298673216661403041021 20&partnerID=40&md5=c5ac9aa47e8750d6f1bfc3c7814387e9

DOI: 10.2174/092986732166614030410212 0
DOCUMENT TYPE: Article
SOURCE: Scopus

Anghel, A.G., Grumezescu, A.M., Chirea, M., Grumezescu, V., Socol, G., Iordache, F., Oprea, A.E., Anghel, I., Holban, A.M.
MAPLE fabricated Fe3O4@Cinnamomum verum antimicrobial surfaces for improved gastrostomy tubes
(2014) Molecules, 19 (7), pp. 8981-8994. Cited 43 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904810365&doi=10.3390%2fmolecules19078981&partnerID=40&md5=05a8f7cf46312860c6bc7472db1da731

DOI: 10.3390/molecules19078981
DOCUMENT TYPE: Article
SOURCE: Scopus

Holban, A.M., Gestal, M.C., Grumezescu, A.M.
New molecular strategies for reducing implantable medical devices associated infections
(2014) Current Medicinal Chemistry, 21 (29), pp. 3375-3382. Cited 21 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904800821&doi=10.2174%2f0929867321666140304103810&partnerID=40&md5=ced3e88c5e132e3620c4614249680d7e

DOI: 10.2174/092986732166614030410381 0
DOCUMENT TYPE: Article
SOURCE: Scopus

Chifiriuc, M.C., Grumezescu, A.M., Lazar, V.
Quorum sensing inhibitors from the sea: Lessons from marine symbiotic relationships
(2014) Current Organic Chemistry, 18 (7), pp. 823-839. Cited 10 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904490629&doi=10.2174%2f1385272818071405151503 56&partnerID=40&md5=c86171e6795427c2e6582 5605555228f

DOI: 10.2174/1385272818071405151503 56
DOCUMENT TYPE: Article
SOURCE: Scopus

Holban, A.M., Grumezescu, V., Grumezescu, A.M., Vasile, B.S., Truşcă, R., Cristescu, R., Socol, G., Iordache, F.
Antimicrobial nanospheres thin coatings prepared by advanced pulsed laser technique
(2014) Beilstein Journal of Nanotechnology, 5 (1), pp. 872-880. Cited 32 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84902655881&doi=10.3762%2fbjnano.5.99&partnerID=40&md5=36287668e505bcbef34093a0c4823fbb

DOI: 10.3762/bjnano.5.99
DOCUMENT TYPE: Article
SOURCE: Scopus

Grumezescu, A.M., Gesta, M.C., Holban, A.M., Grumezescu, V., Vasile, B.S., Mogoanta, L., Iordache, F., Bleotu, C., Dan Mogosanu, G.
Biocompatible Fe3O4 increases the efficacy of amoxicillin delivery against gram-positive and gram-negative bacteria
(2014) Molecules, 19 (4), pp. 5013-5027. Cited 62 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84899574770&doi=10.3390%2fmolecules19045013&partnerID=40&md5=dfe91cea5a589690ac321ce489890405

DOI: 10.3390/molecules19045013
DOCUMENT TYPE: Article
SOURCE: Scopus

Grumezescu, V., Holban, A.M., Grumezescu, A.M., Socol, G., Ficai, A., Vasile, B.S., Truscă, R., Bleotu, C., Lazar, V., Chifiriuc, C.M., Mogosanu, G.D.
Usnic acid-loaded biocompatible magnetic PLGA-PVA microsphere thin films fabricated by MAPLE with

increased resistance to staphylococcal colonization
(2014) Biofabrication, 6 (3), art. no. 035002, . Cited 47 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84899565695&doi=10.1088%2f1758-5082%2f6%2f3%2f035002&partnerID=40&md5=e1689d52862f63852573ef8490f35ba3

DOI: 10.1088/1758-5082/6/3/035002
DOCUMENT TYPE: Article
SOURCE: Scopus

Holban, A.M., Grumezescu, A.M., Ficai, A., Chifiriuc, C.M., Lazăr, V., Rădulescu, R.
Fe3O4@C18-carvone to prevent Candida tropicalis biofilm development [Fe3O4@C18-carvona pentru prevenirea formării biofilmului de Candida tropicalis]
(2013) Revista Romana de Materiale/ Romanian Journal of Materials, 43 (3), pp. 300-305. Cited 15 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84892472721&partnerID=40&md5=30a18dc026f8e0894a0525cc66ca3bde

DOCUMENT TYPE: Article
SOURCE: Scopus

Holban, A.M., Grumezescu, A.M., Andronescu, E., Grumezescu, V., Chifiriuc, C.M., Rădulescu, R.
Magnetite - Usnic acid nanostructured bioactive material with antimicrobial activity [Material nanostructurat bioactiv magnetită - Acid usnic cu activitate antimicrobiană]
(2013) Revista Romana de Materiale/ Romanian Journal of Materials, 43 (4), pp. 402-407. Cited 22 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84891463550&partnerID=40&md5=d6e805401d91a8f03caf2b9e0e2342c9

DOCUMENT TYPE: Article
SOURCE: Scopus

Anghel, I., Grumezescu, A.M., Holban, A.M., Ficai, A., Anghel, A.G., Chifiriuc, M.C.
Biohybrid nanostructured iron oxide nanoparticles and Satureja hortensis to prevent fungal biofilm development
(2013) International Journal of Molecular Sciences, 14 (9), pp. 18110-18123. Cited 83 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84884253981&doi=10.3390%2fijms140918110&partnerID=40&md5=37cd3402ed4c8c4d350e0652ee7ae695

DOI: 10.3390/ijms140918110
DOCUMENT TYPE: Article
SOURCE: Scopus

Grumezescu, A.M., Cotar, A.I., Andronescu, E., Ficai, A., Ghitulica, C.D., Grumezescu, V., Vasile, B.S., Chifiriuc, M.C.
In vitro activity of the new water-dispersible Fe3O 4@usnic acid nanostructure against planktonic and sessile bacterial cells
(2013) Journal of Nanoparticle Research, 15 (7), art. no. 1766, . Cited 50 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84882278085&doi=10.1007%2fs11051-013-1766-3&partnerID=40&md5=aac99eadac43a40ba03259b0ed8b3415

DOI: 10.1007/s11051-013-1766-3
DOCUMENT TYPE: Article
SOURCE: Scopus

Grumezescu, A.M., Andronescu, E., Albu, M.G., Ficai, A., Bleotu, C., Dragu, D., Lazar, V.
Wound dressing based collagen biomaterials containing usnic acid as quorum sensing inhibitor agent: Synthesis, characterization and bioevaluation
(2013) Current Organic Chemistry, 17 (2), pp. 125-131. Cited 10 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84879172984&doi=10.2174%2f1385272811317020007&partnerID=40&md5=25a4958b42d07399865528b97bf731e4

DOI: 10.2174/1385272811317020007
DOCUMENT TYPE: Article
SOURCE: Scopus

Grumezescu, A.M.

Essential oils and nanotechnology for combating microbial biofilms
(2013) Current Organic Chemistry, 17 (2), pp. 90-96. Cited 33 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84879166263&doi=10.2174%2f1385272811317020003&partnerID=40&md5=87b7d1f0597d4d2fda1ddce75239627a

DOI: 10.2174/1385272811317020003
DOCUMENT TYPE: Article
SOURCE: Scopus

Limban, C., Grumezescu, A.M., Chirea, M., Matei, L., Chifiriuc, M.C.
Antimicrobial potential of benzamides and derived nanosystems for controlling in vitro biofilm development on medical devices
(2013) Current Organic Chemistry, 17 (2), pp. 162-175. Cited 10 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84879152517&doi=10.2174%2f1385272811317020013&partnerID=40&md5=7f9e39f7c03e50f72d0a7e5659c962dd

DOI: 10.2174/1385272811317020013
DOCUMENT TYPE: Article
SOURCE: Scopus

Mihaiescu, D.E., Cristescu, R., Dorcioman, G., Popescu, C.E., Nita, C., Socol, G., Mihailescu, I.N., Grumezescu, A.M., Tamas, D., Enculescu, M., Negrea, R.F., Ghica, C., Chifiriuc, C., Bleotu, C., Chrisey, D.B.
Functionalized magnetite silica thin films fabricated by MAPLE with antibiofilm properties
(2013) Biofabrication, 5 (1), art. no. 015007, . Cited 41 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84873887037&doi=10.1088%2f1758-5082%2f5%2f1%2f015007&partnerID=40&md5=f6cee4ad33a6efd2e65e9b7b10e801b4

DOI: 10.1088/1758-5082/5/1/015007
DOCUMENT TYPE: Article
SOURCE: Scopus

Tăncă, A., Lazăr, V., Crafiriuc, C.M.
Gingival overgrowth - Causes, mechanisms and consequences
(2013) Archives of the Balkan Medical Union, 48 (2), pp. 220-224.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84882304379&partnerID=40&md5=478095823bccb1fc46528c90508850ed

DOCUMENT TYPE: Review
SOURCE: Scopus

Anghel, I., Grumezescu, A.M.
Hybrid nanostructured coating for increased resistance of prosthetic devices to staphylococcal colonization
(2013) Nanoscale Research Letters, 8 (1), art. no. 6, pp. 1-6. Cited 23 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84875183375&doi=10.1186%2f1556-276X-8-6&partnerID=40&md5=35c2ee42420b15a20223a8b624b48925

DOI: 10.1186/1556-276X-8-6
DOCUMENT TYPE: Article
SOURCE: Scopus

Grumezescu, A.M., Chifiriuc, M.C., Saviuc, C., Grumezescu, V., Hristu, R., Mihaiescu, D.E., Stanciu, G.A., Andronescu, E.
Hybrid nanomaterial for stabilizing the antibiofilm activity of eugenia carryophyllata essential oil
(2012) IEEE Transactions on Nanobioscience, 11 (4), art. no. 6290401, pp. 360-365. Cited 45 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84870921660&doi=10.1109%2fTNB.2012.2208474&partnerID=40&md5=1280030f9dd7e82143cae135705a3768

DOI: 10.1109/TNB.2012.2208474
DOCUMENT TYPE: Article
SOURCE: Scopus

	Anghel, I., Grumezescu, A.M., Andronescu, E., Anghel, A.G., Ficai, A., Saviuc, C., Grumezescu, V., Vasile, B.S., Chifiriuc, M.C. **Magnetite nanoparticles for functionalized textile dressing to prevent fungal biofilms development** **(2012) Nanoscale Research Letters, 7, art. no. 501, . Cited 54 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84866135659&doi=10.1186%2f1556-276X-7-501&partnerID=40&md5=e732044ed17ed27c6dff4de541e3ea0a** **DOI: 10.1186/1556-276X-7-501** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Anghel, I., Limban, C., Grumezescu, A.M., Anghel, A.G., Bleotu, C., Chifiriuc, M.C.** **In vitro evaluation of anti-pathogenic surface coating nanofluid, obtained by combining Fe3O4/ C12 nanostructures and 2-((4-ethylphenoxy) methyl)-N-(substituted-phenylcarbamothioyl)- benzamides** **(2012) Nanoscale Research Letters, 7, art. no. 513, pp. 1-10. Cited 29 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84871023380&doi=10.1186%2f1556-276X-7-513&partnerID=40&md5=5b707b24bbb9375f6d24674db54f0a86** **DOI: 10.1186/1556-276X-7-513** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Limban, C., Grumezescu, A.M., Saviuc, C., Voicu, G., Predan, G., Sakizlian, R., Chifiriuc, M.C.** **Optimized anti-pathogenic agents based on core/shell nanostructures and 2-((4-ethylphenoxy)ethyl)-N-(substitutedphenylcarbamothioyl)-benzamides** **(2012) International Journal of Molecular Sciences, 13 (10), pp. 12584-12597. Cited 18 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84867815908&doi=10.3390%2fijms131012584&partnerID=40&md5=c074db938f14a9094b254ea8084a6e1c** **DOI: 10.3390/ijms131012584** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Anghel, I., Grumezescu, V., Andronescu, E., Anghel, G.A., Grumezescu, A.M., Mihaiescu, D.E., Chifiriuc, M.C.** **Protective effect of magnetite nanoparticle/Salvia officinalis essential oil hybrid nanobiosystem against fungal colonization on the provox® voice section prosthesis** **(2012) Digest Journal of Nanomaterials and Biostructures, 7 (3), pp. 1205-1212. Cited 17 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84866040494&partnerID=40&md5=1941fb3688f2acd0d4a811c63189f324** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Chifiriuc, C., Grumezescu, V., Grumezescu, A.M., Saviuc, C., Lazăr, V., Andronescu, E.** **Hybrid magnetite nanoparticles/rosmarinus officinalis essential oil nanobiosystem with antibiofilm activity** **(2012) Nanoscale Research Letters, 7, art. no. 209, . Cited 127 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84860663179&doi=10.1186%2f1556-276X-7-209&partnerID=40&md5=f9d1f01c976350e0788493f2ddcc7dff** **DOI: 10.1186/1556-276X-7-209** **DOCUMENT TYPE: Article** **SOURCE: Scopus**	
32	**Synthesis and electrochemical characterization of new water soluble thiophene derivatives, Lupu, S., Balaure, P.C., Costea, I., Lete, C., Marin, M., Enache, C., Revista de Chimie, 60 (3), 2009, 248-251, WOS: 000265053000008**	4
	Scopus **EXPORT DATE:21 Apr 2024** **Mavritsakis, N., Ursu, V.E., Ionescu, E., Ganescu, A.** **Actual study regarding quantitative determination of tetracyclines by electrical analysis techniques and methods potentiometric sensors for tetracycline** **(2019) Revista de Chimie, 70 (2), pp. 671-675. Cited 6 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062989485&doi=10.37358%2frc.19.2.6982&partnerID=40&md5=dd9f4461591bb8797717dae02d092ecd**	

	DOI: 10.37358/rc.19.2.6982 **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Vasile, G.G., Arnold, G.L., Buica, G.O., Diacu, E., Ungureanu, E.M., Dinu, C.** **Stripping voltammetry on a new modified glassy carbon electrode for lead content determination in soft water** **(2018) Revista de Chimie, 69 (1), pp. 21-26. Cited 6 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041674134&doi=10.37358%2frc.18.1.6037&partnerID=40&md5=6ad22e6838c66890c46ceab48bf542ec** **DOI: 10.37358/rc.18.1.6037** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Ungureanu, M.-E., Vasile, G.-G., Arnold, G.L., Birzan, L., Buica, G.-O.** **Electrochemical determination of lead in water samples using modified electrode based on polyazulene derivates** **(2017) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 17 (51), pp. 359-364.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032388919&doi=10.5593%2fsgem2017%2f51%2fS20.086&partnerID=40&md5=a7ef96527c6383c69c01da2da291941f** **DOI: 10.5593/sgem2017/51/S20.086** **DOCUMENT TYPE: Conference Paper** **SOURCE: Scopus** **Popescu, L.R., Arnold, G.L., Ungureanu, E.M., Iordache, M., Pascu, L.F., Lehr, C.B.** **Electrochemical studies for new azulene compounds** **(2016) Revista de Chimie, 67 (8), pp. 1451-1453. Cited 4 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84992220445&partnerID=40&md5=50af8e86cefcd19c7cd5f0a1487bc3d8** **DOCUMENT TYPE: Article** **SOURCE: Scopus**	
33	**Electrochemical sensors based on platinum electrodes modified with hybrid inorganic-organic coatings for determination of 4-nitrophenol and dopamine, Lupu, S., Lete, C., Marin, M., Totir, N., Balaure, P.C., Electrochimica Acta, 54 (7), 2009, 1932-1938, DOI: 10.1016/j.electacta.2008.07.051, WOS: 000264925100004**	127
	Scopus EXPORT DATE:21 Apr 2024 Mariappan, K., Sakthinathan, S., Chen, S.-M., Chiu, T.-W. Cubic engineering approached a novel needle-structured cobalt-doped zinc oxide interconnected with carbon nanofiber as a composite for the determination of toxic 4-nitrophenol in environmental water samples (2024) Colloids and Surfaces A: Physicochemical and Engineering Aspects, 685, art. no. 133147, . Cited 1 time. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183207554&doi=10.1016%2fj.colsurfa.2024.133147&partnerID=40&md5=b98b27e6d922db80008b0801867ad5ba DOI: 10.1016/j.colsurfa.2024.133147 DOCUMENT TYPE: Article SOURCE: Scopus Monisha, S., Kumar, A.S. Redox-active green-electrode: Plant-extract based rutin and caffeic acid functionalized MWCNT for scanning electrochemical microscopy imaging and selective electrocatalytic oxidative sensing of dopamine (2024) Green Analytical Chemistry, 8, art. no. 100099, . https://www.scopus.com/inward/record.uri?eid=2-s2.0-85184480344&doi=10.1016%2fj.greeac.2024.100099&partnerID=40&md5=5be4233fee559e42e3f01c4a1bf319e9 DOI: 10.1016/j.greeac.2024.100099 DOCUMENT TYPE: Article SOURCE: Scopus	

Kumar, T., Verma, A.
Eco-Friendly Conducting Polymer-Based Functionalized Nanocomposites Dedicated for Electrochemical Devices
(2024) Materials Horizons: From Nature to Nanomaterials, Part F1329, pp. 405-440.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170236587&doi=10.1007%2f978-981-99-3021-0_17&partnerID=40&md5=3629252363b48ebd2456dd50605a2219

DOI: 10.1007/978-981-99-3021-0_17
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Xiang, J., Vu, D., He, M., Duan, C., Ge, C., McNeill, C.R., Gao, X.
Poly(2,6-azulene vinylene)s: Azulene Orientation Control and Property Studies
(2023) Macromolecules, 56 (23), pp. 9475-9488.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178618848&doi=10.1021%2facs.macromol.3c01335&partnerID=40&md5=a5b05b9cb96fdf878cc36547622b59cd

DOI: 10.1021/acs.macromol.3c01335
DOCUMENT TYPE: Article
SOURCE: Scopus

Katowah, D.F., Asiri, A.M., Rahman, M.M.
Development of novel nanocomposites based on SrSnO3-conjugated coconut-shell activated carbon with conducting polymers towards 4-nitrophenol detection by electrochemical approach
(2023) Surfaces and Interfaces, 41, art. no. 103241, . Cited 6 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169844793&doi=10.1016%2fj.surfin.2023.103241&partnerID=40&md5=5fe024c41735a92ead6b66c5c695bbc7

DOI: 10.1016/j.surfin.2023.103241
DOCUMENT TYPE: Article
SOURCE: Scopus

Chandra, S., Prajapati, J., Jaiswal, S., Pandey, S.K., Tiwari, I., Prasad, L.B., Bharty, M.K.
Electrochemical sensing of 4-nitrophenol through heteroleptic complexes of Ag(I) and Hg(II) based on 2-thiazoline-2-thiol: Synthesis, crystal structures, and Hirshfeld analysis
(2023) Applied Organometallic Chemistry, 37 (9), art. no. e7210, .
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169169951&doi=10.1002%2faoc.7210&partnerID=40&md5=5ee2d703b33f8e0d30e23716767cc11a

DOI: 10.1002/aoc.7210
DOCUMENT TYPE: Article
SOURCE: Scopus

Wang, X., Karaman, C., Zhang, Y., Xia, C.
Graphene oxide/cellulose nanofibril composite: A high-performance catalyst for the fabrication of an electrochemical sensor for quantification of p-nitrophenol, a hazardous water pollutant
(2023) Chemosphere, 331, art. no. 138813, . Cited 8 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153939724&doi=10.1016%2fj.chemosphere.2023.138813&partnerID=40&md5=e3bcdfbd7158866e54e56628e0a79cce

DOI: 10.1016/j.chemosphere.2023.138813
DOCUMENT TYPE: Article
SOURCE: Scopus

Kumar, P.S., Sreeja, B.S., Gurunathan, P., Kumar, K.K.
An Efficient High-Powered Sulfamethaxazole Sensor Based on p- n Junction Heterostructures Using Nanostructured ZnO Thin Film and Graphene Oxide Sheets
(2023) Industrial and Engineering Chemistry Research, 62 (11), pp. 4521-4531.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134493110&doi=10.1021%2facs.iecr.2c01206&partnerID=40&md5=03185a08f13ba2c64711cb04f13cecba

DOI: 10.1021/acs.iecr.2c01206

DOCUMENT TYPE: Article
SOURCE: Scopus

Rahman, A.U., Saaduzzaman, D.M., Hasan, S.M., Uddin Sikder, M.K.
Feasibility of Implanting Gold-Doped Silicon Nanoclusters (Si8) As Electrode For Dopamine Detection: A DFT Investigation
(2023) 2023 5th International Conference on Sustainable Technologies for Industry 5.0, STI 2023, .
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85190294983&doi=10.1109%2fSTI59863.2023.10465057&partnerID=40&md5=7de19b52b9f98e55c65c741532f11d3f

DOI: 10.1109/STI59863.2023.10465057
DOCUMENT TYPE: Conference Paper
SOURCE: Scopus

Ankitha, M., Shamsheera, F., Rasheed, P.A.
MXene-Integrated Single-Stranded Carbon Yarn-Based Wearable Sensor Patch for On-Site Monitoring of Dopamine
(2023) ACS Applied Electronic Materials, .
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182005907&doi=10.1021%2facsaelm.3c01668&partnerID=40&md5=cdfc626dee45b77ee2da0684bd5dfb5e

DOI: 10.1021/acsaelm.3c01668
DOCUMENT TYPE: Article
SOURCE: Scopus

Ali, M., Sharma, K., Guin, D., Tripathi, C.S.P.
BaTiO3/rGO nanocomposite modified glassy carbon electrode for electrochemical sensing of 4-nitrophenol and dopamine in real samples
(2023) Journal of Applied Electrochemistry, .
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178966177&doi=10.1007%2fs10800-023-02036-1&partnerID=40&md5=9a9242c8c4a0b0b90eda6100c994bda9

DOI: 10.1007/s10800-023-02036-1
DOCUMENT TYPE: Article
SOURCE: Scopus

Nurpeiis, E., Slepchenko, G.B., Bogoslovski, V., Moiseeva, E.S.
APPLICATION OF A NEW ELECTROCHEMICAL SENSOR FOR VOLTAMMETRIC DETERMINATION OF p-NITROPHENOL AND BETULIN [Применение нового электрохимического сенсора для вольтамперометрического определения п-нитрофенола и бетулина]
(2023) Industrial Laboratory. Materials Diagnostics, 89 (4), pp. 22-28.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160058676&doi=10.26896%2f1028-6861-2023-89-4-22-28&partnerID=40&md5=003e1f9d03f41e3c8e09910593367a81

DOI: 10.26896/1028-6861-2023-89-4-22-28
DOCUMENT TYPE: Article
SOURCE: Scopus

Dar, R.A., Naikoo, G.A., Srivastava, A.K., Hassan, I.U., Karna, S.P., Giri, L., Shaikh, A.M.H., Rezakazemi, M., Ahmed, W.
Performance of graphene-zinc oxide nanocomposite coated-glassy carbon electrode in the sensitive determination of para-nitrophenol
(2022) Scientific Reports, 12 (1), art. no. 117, . Cited 20 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122558770&doi=10.1038%2fs41598-021-03495-2&partnerID=40&md5=beb8a556e900cd6ac68dcea4daa1a6cc

DOI: 10.1038/s41598-021-03495-2
DOCUMENT TYPE: Article
SOURCE: Scopus

Faisal, M., Alam, M.M., Ahmed, J., Asiri, A.M., Jalalah, M., Alruwais, R.S., Rahman, M.M., Harraz, F.A.
Sensitive Electrochemical Detection of 4-Nitrophenol with PEDOT:PSS Modified Pt NPs-Embedded PPy-CB@ZnO Nanocomposites
(2022) Biosensors, 12 (11), art. no. 990, . Cited 7 times.

https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141892137&doi=10.3390%2fbios12110990&partnerID=40&md5=e0c467724cf1f1d32a2ca463e97471fa

DOI: 10.3390/bios12110990
DOCUMENT TYPE: Article
SOURCE: Scopus

Huang, G., Chen, X., Li, N., Xie, T., Guo, Y., Fu, Y., Jiao, T.
A convenient synthesis of gold nanoparticles in Spirulina extract for rapid visual detection of dopamine in human urine
(2022) Colloids and Surfaces A: Physicochemical and Engineering Aspects, 650, art. no. 129675, . Cited 5 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133865776&doi=10.1016%2fj.colsurfa.2022.129675&partnerID=40&md5=4b619d91672b0d0a624a7c7062b18c78

DOI: 10.1016/j.colsurfa.2022.129675
DOCUMENT TYPE: Article
SOURCE: Scopus

Ata, S., Feroz, M., Bibi, I., Mohsin, I.-U., Alwadai, N., Iqbal, M.
Investigation of electrochemical reduction and monitoring of p-nitrophenol on imprinted polymer modified electrode
(2022) Synthetic Metals, 287, art. no. 117083, . Cited 7 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129491829&doi=10.1016%2fj.synthmet.2022.117083&partnerID=40&md5=09b67df53d8f7f1eedad486c30cbf449

DOI: 10.1016/j.synthmet.2022.117083
DOCUMENT TYPE: Article
SOURCE: Scopus

Nie, X., Deng, P., Wang, H., Tang, Y.
An electrochemical sensor based on a nitrogen-doped carbon material and pei composites for sensitive detection of 4-nitrophenol
(2022) Nanomaterials, 12 (1), art. no. 86, . Cited 6 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121810437&doi=10.3390%2fnano12010086&partnerID=40&md5=7a947a3de4a765f6293d2afa101256eb

DOI: 10.3390/nano12010086
DOCUMENT TYPE: Article
SOURCE: Scopus

Yhobu, Z., Brinda, K.N., Achar, G., Małecki, J.G., Keri, R.S., Nagaraju, D.H., Budagumpi, S.
Glucose electrocatalysts derived from mono- or dicarbene coordinated nickel(II) complexes and their mesoporous carbon composites
(2021) Applied Organometallic Chemistry, 35 (12), art. no. e6446, . Cited 7 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115301087&doi=10.1002%2faoc.6446&partnerID=40&md5=4bd020a99098c4e4625d21ce0ac03d34

DOI: 10.1002/aoc.6446
DOCUMENT TYPE: Article
SOURCE: Scopus

He, X., Bai, S., Jiang, J., Ong, W.-J., Peng, J., Xiong, Z., Liao, G., Zou, J., Li, N.
Oxygen vacancy mediated step-scheme heterojunction of WO2.9/g-C3N4 for efficient electrochemical sensing of 4-nitrophenol
(2021) Chemical Engineering Journal Advances, 8, art. no. 100175, . Cited 13 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125275163&doi=10.1016%2fj.ceja.2021.100175&partnerID=40&md5=44fffd4bb10fdc091bde10e09abf1294

DOI: 10.1016/j.ceja.2021.100175
DOCUMENT TYPE: Article
SOURCE: Scopus

Poolakkandy, R.R., Menamparambath, M.M.

Transition metal oxide based non-enzymatic electrochemical sensors: An arising approach for the meticulous detection of neurotransmitter biomarkers
(2021) Electrochemical Science Advances, 1 (2), art. no. e2000024, . Cited 12 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137823181&doi=10.1002%2felsa.202000024&partnerID=40&md5=c497f3eafd0ae1a9b25bd24a535c48de

DOI: 10.1002/elsa.202000024
DOCUMENT TYPE: Review
SOURCE: Scopus

Mathivanan, D., Mohan, A., Yang, Y.
Facile fabrication of nitrogen–ferric-doped carbon dots for highly sensitive and selective detection of dopamine and 4-nitrophenol
(2021) Journal of Materials Science: Materials in Electronics, 32 (7), pp. 9005-9017. Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102315864&doi=10.1007%2fs10854-021-05571-9&partnerID=40&md5=3f7e8cd701c505c74663247f9dd9639b

DOI: 10.1007/s10854-021-05571-9
DOCUMENT TYPE: Article
SOURCE: Scopus

Kamble, B.B., Garadkar, K.M., Sharma, K.K., Kamble, P., Tayade, S.N., Ajalkar, B.D.
Determination of 4-nitrophenol using MoO3 loaded glassy carbon electrode via electrochemical sensing approach
(2021) Journal of Electrochemical Science and Engineering, 11 (3), pp. 143-159. Cited 17 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112691390&doi=10.5599%2fjese.956&partnerID=40&md5=aeefd5715e517ba9524809cfeb3226d0

DOI: 10.5599/jese.956
DOCUMENT TYPE: Article
SOURCE: Scopus

Adegunloye, A., Perla, V.K., Ghosh, S.K., Zinyemba, O., Mallick, K.
Electrochemical and electrical response of bismuth-aniline complex under the exposure of organic and inorganic environment
(2020) SN Applied Sciences, 2 (12), art. no. 2043, . Cited 3 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100659567&doi=10.1007%2fs42452-020-03802-y&partnerID=40&md5=427cdd6d227f47ba2b01314fcb30adaf

DOI: 10.1007/s42452-020-03802-y
DOCUMENT TYPE: Article
SOURCE: Scopus

Wang, X., Zuo, Y., Feng, S.
Ultrasensitive polysiloxane-based fluorescent probes for selectively detecting of 4-nitrophenol and their application in paper sensors
(2020) Materials Today Communications, 25, art. no. 101570, . Cited 11 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089798306&doi=10.1016%2fj.mtcomm.2020.101570&partnerID=40&md5=73e9745bf3ba17d8533fe8240ac6ae8a

DOI: 10.1016/j.mtcomm.2020.101570
DOCUMENT TYPE: Article
SOURCE: Scopus

Nagarajan, S., Vasudevan, V., Jayaraman, T., Arumugam, R., Vairamuthu, R.
Nickel hexacyanoferrate film coated pencil graphite electrode as sensor and electrode material for environment and energy applications
(2020) International Journal of Energy Research, 44 (13), pp. 10206-10221. Cited 14 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087454424&doi=10.1002%2fer.5640&partnerID=40&md5=92ac4fc0aa7656c0a2b2aa241aff0f74

DOI: 10.1002/er.5640
DOCUMENT TYPE: Article
SOURCE: Scopus

Hashemi, S.A., Mousavi, S.M., Bahrani, S., Ramakrishna, S.
Integrated polyaniline with graphene oxide-iron tungsten nitride nanoflakes as ultrasensitive electrochemical sensor for precise detection of 4-nitrophenol within aquatic media
(2020) Journal of Electroanalytical Chemistry, 873, art. no. 114406, . Cited 48 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087326996&doi=10.1016%2fj.jelechem.2020.114406&partnerID=40&md5=abddeecd42b11300e90c0092916477cc

DOI: 10.1016/j.jelechem.2020.114406
DOCUMENT TYPE: Article
SOURCE: Scopus

Thangphatthanarungruang, J., Yakoh, A., Laocharoensuk, R., Chotsuwan, C., Chailapakul, O., Siangproh, W.
High-efficient of graphene nanocomposite: Application to rapidly simultaneous identification and quantitation of fat-soluble vitamins in different matric samples
(2020) Journal of Electroanalytical Chemistry, 873, art. no. 114361, . Cited 13 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086903570&doi=10.1016%2fj.jelechem.2020.114361&partnerID=40&md5=b3eb0184195eaf50bb4d28bd1a072536

DOI: 10.1016/j.jelechem.2020.114361
DOCUMENT TYPE: Article
SOURCE: Scopus

Sudhakara, S.M., Kotresh, H.M.N., Devendrachari, M.C., Khan, F.
Synthesis and Electrochemical Investigation of Tetra Amino Cobalt (II) Phthalocyanine Functionalized Polyaniline Nanofiber for the Selective Detection of Dopamine
(2020) Electroanalysis, 32 (8), pp. 1807-1817. Cited 13 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085134814&doi=10.1002%2felan.202000067&partnerID=40&md5=e7a9d01a1620debe06be8140d7050afe

DOI: 10.1002/elan.202000067
DOCUMENT TYPE: Article
SOURCE: Scopus

Tranchant, M., Serrà, A., Gunderson, C., Bertero, E., García-Amorós, J., Gómez, E., Michler, J., Philippe, L.
Efficient and green electrochemical synthesis of 4-aminophenol using porous Au micropillars
(2020) Applied Catalysis A: General, 602, art. no. 117698, . Cited 13 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086725460&doi=10.1016%2fj.apcata.2020.117698&partnerID=40&md5=e389af6deca06ba28fb5d034ced86d59

DOI: 10.1016/j.apcata.2020.117698
DOCUMENT TYPE: Article
SOURCE: Scopus

Rahman, M.M., Sheikh, T.A., Asiri, A.M., Alamry, K.A., Hasnat, M.A.
Fabrication of an ultra-sensitive: Para -nitrophenol sensor based on facile Zn-doped Er2O3nanocomposites via an electrochemical approach
(2020) Analytical Methods, 12 (27), pp. 3470-3483. Cited 16 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089139319&doi=10.1039%2fd0ay00735h&partnerID=40&md5=314ef5e01d25e4ba42c26a5a3237d024

DOI: 10.1039/d0ay00735h
DOCUMENT TYPE: Article
SOURCE: Scopus

Ahmad, N., Al-Fatesh, A.S., Wahab, R., Alam, M., Fakeeha, A.H.
Synthesis of silver nanoparticles decorated on reduced graphene oxide nanosheets and their electrochemical sensing towards hazardous 4-nitrophenol
(2020) Journal of Materials Science: Materials in Electronics, 31 (14), pp. 11927-11937. Cited 45 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086327955&doi=10.1007%2fs10854-020-03747-3&partnerID=40&md5=a08a2b56489b8e03868ca4349b7569dd

DOI: 10.1007/s10854-020-03747-3

DOCUMENT TYPE: Article
SOURCE: Scopus

Zeng, H.N., Png, Z.M., Xu, J.
Azulene in Polymers and Their Properties
(2020) Chemistry - An Asian Journal, 15 (13), pp. 1904-1915. Cited 34 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086027254&doi=10.1002%2fasia.202000444&partnerID=40&md5=d0b70d1408d2ef1b01117fa64f80ea20

DOI: 10.1002/asia.202000444
DOCUMENT TYPE: Review
SOURCE: Scopus

Han, Y., Fang, Y., Ding, X., Liu, J., Jin, Z., Xu, Y.
A simple and effective flexible electrochemiluminescence sensor for lidocaine detection
(2020) Electrochemistry Communications, 116, art. no. 106760, . Cited 16 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085697985&doi=10.1016%2fj.elecom.2020.106760&partnerID=40&md5=073076603bc373bb200af90ad543fb9a

DOI: 10.1016/j.elecom.2020.106760
DOCUMENT TYPE: Article
SOURCE: Scopus

Pınar, P.T., Allahverdiyeva, S., Yardım, Y., Şentürk, Z.
Voltammetric sensing of dinitrophenolic herbicide dinoterb on cathodically pretreated boron-doped diamond electrode in the presence of cationic surfactant
(2020) Microchemical Journal, 155, art. no. 104772, . Cited 25 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85080049435&doi=10.1016%2fj.microc.2020.104772&partnerID=40&md5=7367d48afec1e7aea7e8d6f3e4813bcc

DOI: 10.1016/j.microc.2020.104772
DOCUMENT TYPE: Article
SOURCE: Scopus

Krishnan, A., Beena, S., Shibli, S.M.A.
A novel high performance Ti/Ti–W- reinforced polyaniline functionalized Ni–P electrode for high sensitive detection of dopamine from urine sample
(2020) Materials Chemistry and Physics, 244, art. no. 122680, . Cited 15 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078515685&doi=10.1016%2fj.matchemphys.2020.122680&partnerID=40&md5=c46ffc9a9a11c039992c5cc5ce7a881f

DOI: 10.1016/j.matchemphys.2020.122680
DOCUMENT TYPE: Article
SOURCE: Scopus

Hosseini Aliabadi, M., Esmaeili, N., Samari Jahromi, H.
An electrochemical composite sensor for phenol detection in waste water
(2020) Applied Nanoscience (Switzerland), 10 (2), pp. 597-609. Cited 14 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071197271&doi=10.1007%2fs13204-019-01139-6&partnerID=40&md5=ee4980ba529c608d313cd2fea2c36cc5

DOI: 10.1007/s13204-019-01139-6
DOCUMENT TYPE: Article
SOURCE: Scopus

Zanardi, C., Terzi, F., Pigani, L., Seeber, R.
ELECTRODE COATINGS CONSISTING OF POLYTHIOPHENE-BASED COMPOSITES CONTAINING METAL CENTRES
(2020) Encyclopedia of Polymer Composites: Properties, Performance and Applications, pp. 1-74.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176818670&partnerID=40&md5=34cbe6d8a7e629a3633e766d0ee328c8

DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Kafi, A., Aktar, K., Heidari, H.
Mammalian Cell-Based Electrochemical Sensor for Label-Free Monitoring of Analytes
(2020) Smart Sensors for Environmental and Medical Applications, pp. 43-60. Cited 3 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107586548&doi=10.1002%2f9781119587422.ch3&partnerID=40&md5=0002379e0931b91850fe00cdda8447a0

DOI: 10.1002/9781119587422.ch3
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Mei, L.-P., Song, P., Zhu, Y.-C., Ruan, Y.-F., Shi, X.-M., Zhao, W.-W., Xu, J.-J., Chen, H.-Y.
Recent Advances in Electrochemical Sensor and Biosensors for Environmental Contaminants
(2020) Nanotechnology in the Life Sciences, pp. 1-31. Cited 3 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102143943&doi=10.1007%2f978-3-030-45116-5_1&partnerID=40&md5=1b8a47b4431f6a4b9936e6614804e42d

DOI: 10.1007/978-3-030-45116-5_1
DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Hui, X., Xuan, X., Kim, J., Park, J.Y.
A highly flexible and selective dopamine sensor based on Pt-Au nanoparticle-modified laser-induced graphene
(2019) Electrochimica Acta, 328, art. no. 135066, . Cited 82 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073686326&doi=10.1016%2fj.electacta.2019.135066&partnerID=40&md5=a7385444ba49c9f37e7e912b7c13be2b

DOI: 10.1016/j.electacta.2019.135066
DOCUMENT TYPE: Article
SOURCE: Scopus

Scarano, S., Palladino, P., Pascale, E., Brittoli, A., Minunni, M.
Colorimetric determination of p-nitrophenol by using ELISA microwells modified with an adhesive polydopamine nanofilm containing catalytically active gold nanoparticles
(2019) Microchimica Acta, 186 (3), art. no. 146, . Cited 28 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060940537&doi=10.1007%2fs00604-019-3259-2&partnerID=40&md5=8aca1dd45580753210579d48f986882b

DOI: 10.1007/s00604-019-3259-2
DOCUMENT TYPE: Article
SOURCE: Scopus

Abbas, W., Akhtar, N., Liu, Q., Li, T., Zada, I., Yao, L., Naz, R., Zhang, W., Mazhar, M.E., Zhang, D., Ma, D., Gu, J.
Facilely green synthesis of 3D nano-pyramids Cu/Carbon hybrid sensor electrode materials for simultaneous monitoring of phenolic compounds
(2019) Sensors and Actuators, B: Chemical, 282, pp. 617-625. Cited 26 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057269442&doi=10.1016%2fj.snb.2018.11.114&partnerID=40&md5=8fa05e58080f8ba890c10652c9898f25

DOI: 10.1016/j.snb.2018.11.114
DOCUMENT TYPE: Article
SOURCE: Scopus

Drzeżdżon, J., Jacewicz, D., Chmurzyński, L.
The impact of environmental contamination on the generation of reactive oxygen and nitrogen species – Consequences for plants and humans
(2018) Environment International, 119, pp. 133-151. Cited 39 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048995430&doi=10.1016%2fj.envint.2018.06.019&partnerID=40&md5=01c0defd76a0b6ecabd682d8cb4c2584

DOI: 10.1016/j.envint.2018.06.019
DOCUMENT TYPE: Review
SOURCE: Scopus

Suominen, M., Damlin, P., Kvarnström, C.
Probing the interactions in composite of graphene oxide and polyazulene in ionic liquid by in situ spectroelectrochemistry
(2018) Electrochimica Acta, 284, pp. 168-176. Cited 6 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85050538026&doi=10.1016%2fj.electacta.2018.07.069&partnerID=40&md5=7c1f9c1cab5d4d28c78293eee036262d

DOI: 10.1016/j.electacta.2018.07.069
DOCUMENT TYPE: Article
SOURCE: Scopus

Cheng, Y., Jiu, L., Zhuo, K., Yuan, Z., Zhang, Q., Sang, S.
Electrochemical detection of 4-p-nitrophenol based on TiO2NPs / RGO / AuNPs composite modified glassy carbon electrode
(2018) International Journal of Electrochemical Science, 13 (9), pp. 9098-9109. Cited 5 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052634055&doi=10.20964%2f2018.09.31&partnerID=40&md5=ab690f26fe631a7b7d9f96faea965dd0

DOI: 10.20964/2018.09.31
DOCUMENT TYPE: Article
SOURCE: Scopus

Gerber, S.J., Erasmus, E.
Surfactant-stabilized nano-metal hexacyanoferrates with electrocatalytic and heterogeneous catalytic applications
(2018) Transition Metal Chemistry, 43 (5), pp. 409-420. Cited 13 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044409154&doi=10.1007%2fs11243-018-0228-2&partnerID=40&md5=fc36b729b324238e68c230640287011b

DOI: 10.1007/s11243-018-0228-2
DOCUMENT TYPE: Article
SOURCE: Scopus

Algethami, F.K., Marwani, H.M., Asiri, A.M., Rahman, M.M.
Comparative performances of phenolic sensors based on various CeO2-carbon material nanocomposites for environmental safety
(2018) Sensor Review, 38 (4), pp. 467-477. Cited 5 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043477241&doi=10.1108%2fSR-11-2017-0235&partnerID=40&md5=b91d5cffef3f262eb47d98c8824335c4

DOI: 10.1108/SR-11-2017-0235
DOCUMENT TYPE: Article
SOURCE: Scopus

Chen, P., Shi, Y., Li, X., Wang, T., Zhou, M., Tian, E., Wang, W., Jiang, H., Shu, H.
Highly effective detection of 4-nitrophenol by tremella-like indium silver sulfide modified GCE
(2018) International Journal of Electrochemical Science, 13 (7), pp. 6158-6168. Cited 7 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049729929&doi=10.20964%2f2018.07.28&partnerID=40&md5=69b11aae7c9b45dcd57b89e8dffbd3b9

DOI: 10.20964/2018.07.28
DOCUMENT TYPE: Article
SOURCE: Scopus

Rana, A., Kawde, A.-N., Ibrahim, M.
Simple and sensitive detection of 4-nitrophenol in real water samples using gold nanoparticles modified pretreated graphite pencil electrode
(2018) Journal of Electroanalytical Chemistry, 820, pp. 24-31. Cited 30 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046170459&doi=10.1016%2fj.jelechem.2018.04.055&partnerID=40&md5=5ccb0c82fc24f3782c6d31c35d648acf

DOI: 10.1016/j.jelechem.2018.04.055
DOCUMENT TYPE: Article
SOURCE: Scopus

Mohammad, A., Ahmad, K., Rajak, R., Mobin, S.M.
Binder Free Modification of Glassy Carbon Electrode by Employing Reduced Graphene Oxide/ZnO Composite for Voltammetric Determination of Certain Nitroaromatics
(2018) Electroanalysis, 30 (2), pp. 274-282. Cited 23 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041837421&doi=10.1002%2felan.201700350&partnerID=40&md5=97298608b6e065994886fb88de4fd298

DOI: 10.1002/elan.201700350
DOCUMENT TYPE: Article
SOURCE: Scopus

Wang, Z., Guo, H., Gui, R., Jin, H., Xia, J., Zhang, F.
Simultaneous and selective measurement of dopamine and uric acid using glassy carbon electrodes modified with a complex of gold nanoparticles and multiwall carbon nanotubes
(2018) Sensors and Actuators, B: Chemical, 255, pp. 2069-2077. Cited 95 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85029187940&doi=10.1016%2fj.snb.2017.09.010&partnerID=40&md5=4548bf7a98f830707a64ae39099ad774

DOI: 10.1016/j.snb.2017.09.010
DOCUMENT TYPE: Article
SOURCE: Scopus

García Guzmán, J.J., Aguilera, L.C., Milla, D.B., Rodríguez, I.N., Lete, C., Palacios Santander, J.M., Lupu, S.
Development of Sonogel-Carbon based biosensors using sinusoidal voltages and currents methods
(2018) Sensors and Actuators, B: Chemical, 255, pp. 1525-1535. Cited 11 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85028607625&doi=10.1016%2fj.snb.2017.08.161&partnerID=40&md5=ae5e3c06ee7e73fdd7476353fa56d903

DOI: 10.1016/j.snb.2017.08.161
DOCUMENT TYPE: Article
SOURCE: Scopus

Tchieno, F.M.M., Tonle, I.K.
P-Nitrophenol determination and remediation: An overview
(2018) Reviews in Analytical Chemistry, 37 (2), art. no. 20170019, . Cited 65 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045834925&doi=10.1515%2frevac-2017-0019&partnerID=40&md5=eaf6b47819919de441e6ccf4a146bc33

DOI: 10.1515/revac-2017-0019
DOCUMENT TYPE: Article
SOURCE: Scopus

Barman, K., Changmai, B., Jasimuddin, S.
Electrochemical Detection of Para-nitrophenol using Copper Metal Nanoparticles Modified Gold Electrode
(2017) Electroanalysis, 29 (12), pp. 2780-2787. Cited 23 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85030477523&doi=10.1002%2felan.201700430&partnerID=40&md5=7ce7926b6fe895c9bfdc17e779b099b4

DOI: 10.1002/elan.201700430
DOCUMENT TYPE: Article
SOURCE: Scopus

Naveen, M.H., Gurudatt, N.G., Shim, Y.-B.
Applications of conducting polymer composites to electrochemical sensors: A review
(2017) Applied Materials Today, 9, pp. 419-433. Cited 410 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85029807622&doi=10.1016%2fj.apmt.2017.09.001&partnerID=40&md5=de99355c951014891e400d253617b73a

DOI: 10.1016/j.apmt.2017.09.001
DOCUMENT TYPE: Review

SOURCE: Scopus

Rahman, M.M., Marwani, H.M., Algethami, F.K., Asiri, A.M., Hameed, S.A., Alhogbi, B.
Ultra-sensitive p-nitrophenol sensing performances based on various Ag2O conjugated carbon material composites
(2017) Environmental Nanotechnology, Monitoring and Management, 8, pp. 73-82. Cited 32 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85019946592&doi=10.1016%2fj.enmm.2017.05.002&partnerID=40&md5=6ae5b275f3121534e2d78a8ff2900e66

DOI: 10.1016/j.enmm.2017.05.002
DOCUMENT TYPE: Article
SOURCE: Scopus

Villena, C., Bravo, M., Alonso, B., Casado, C.M., Losada, J., García Armada, M.P.
Size-controlled gold nanoparticles obtained from electrodeposited amidoferrocenylpoly(propyleneimine) dendrimer-templates for the electrochemical sensing of dopamine
(2017) Applied Surface Science, 420, pp. 651-660. Cited 9 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85020043837&doi=10.1016%2fj.apsusc.2017.05.098&partnerID=40&md5=0fff407e76f5f51566c5bf1d3e254bc4

DOI: 10.1016/j.apsusc.2017.05.098
DOCUMENT TYPE: Article
SOURCE: Scopus

Asadpour-Zeynali, K., Delnavaz, E.
Electrochemical synthesis of nickel–cobalt oxide nanoparticles on the glassy carbon electrode and its application for the voltammetric determination of 4-nitrophenol
(2017) Journal of the Iranian Chemical Society, 14 (10), pp. 2229-2238. Cited 16 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85029005751&doi=10.1007%2fs13738-017-1159-0&partnerID=40&md5=33f5676278813bf8e02edaa116cff615

DOI: 10.1007/s13738-017-1159-0
DOCUMENT TYPE: Article
SOURCE: Scopus

Florescu, M., David, M.
Tyrosinase-based biosensors for selective dopamine detection
(2017) Sensors (Switzerland), 17 (6), art. no. 1314, . Cited 51 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85020454019&doi=10.3390%2fs17061314&partnerID=40&md5=d093db9c9286642bb2eb6bec32b8b030

DOI: 10.3390/s17061314
DOCUMENT TYPE: Article
SOURCE: Scopus

Padmanaban, A., Dhanasekaran, T., Manigandan, R., Kumar, S.P., Gnanamoorthy, G., Stephen, A., Narayanan, V.
Facile solvothermal decomposition synthesis of single phase ZnBi38O60 nanobundles for sensitive detection of 4-nitrophenol
(2017) New Journal of Chemistry, 41 (15), pp. 7020-7027. Cited 28 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85026265222&doi=10.1039%2fc7nj00436b&partnerID=40&md5=efafaf85e0179945feaa8bb4305ea45b

DOI: 10.1039/c7nj00436b
DOCUMENT TYPE: Article
SOURCE: Scopus

Qi, Y., Long, H., Ma, L., Wei, Q., Li, S., Yu, Z., Hu, J., Liu, P., Wang, Y., Meng, L.
Enhanced selectivity of boron doped diamond electrodes for the detection of dopamine and ascorbic acid by increasing the film thickness
(2016) Applied Surface Science, 390, pp. 882-889. Cited 31 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84989812434&doi=10.1016%2fj.apsusc.2016.08.158&partnerID=40&md5=60b973bc5c9c2f9b3b858cce44a5e7cf

DOI: 10.1016/j.apsusc.2016.08.158
DOCUMENT TYPE: Article
SOURCE: Scopus

Zhou, T., Lu, P., Zhang, Z., Wang, Q., Umar, A.
Perforated Co3<sub/> nanoneedles assembled in chrysanthemum-like Co3<sub/> structures for ultra-high sensitive hydrazine chemical sensor
(2016) Sensors and Actuators, B: Chemical, 235, pp. 457-465. Cited 63 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046242006&doi=10.1016%2fj.snb.2016.05.075&partnerID=40&md5=fded7e95db1c8cd10bb0b5d01ffd28b1

DOI: 10.1016/j.snb.2016.05.075
DOCUMENT TYPE: Article
SOURCE: Scopus

Jiang, L., Liu, H., Li, M., Xing, Y., Ren, X.
Surface molecular imprinting on CdTe quantum dots for fluorescence sensing of 4-nitrophenol
(2016) Analytical Methods, 8 (10), pp. 2226-2232. Cited 40 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84959926884&doi=10.1039%2fc5ay03160e&partnerID=40&md5=141552acfb5c515cf27ffd261cfbfa70

DOI: 10.1039/c5ay03160e
DOCUMENT TYPE: Article
SOURCE: Scopus

Maikap, A., Mukherjee, K., Mondal, B., Mandal, N.
Zinc oxide thin film based nonenzymatic electrochemical sensor for the detection of trace level catechol
(2016) RSC Advances, 6 (69), pp. 64611-64616. Cited 23 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84978430329&doi=10.1039%2fc6ra09598d&partnerID=40&md5=97fcb38f6c8f1043c10c0f026294ab49

DOI: 10.1039/c6ra09598d
DOCUMENT TYPE: Article
SOURCE: Scopus

Dincer, C., Ktaich, R., Laubender, E., Hees, J.J., Kieninger, J., Nebel, C.E., Heinze, J., Urban, G.A.
Nanocrystalline boron-doped diamond nanoelectrode arrays for ultrasensitive dopamine detection
(2015) Electrochimica Acta, 185, pp. 101-106. Cited 54 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84946220273&doi=10.1016%2fj.electacta.2015.10.113&partnerID=40&md5=4cdb91c68c7d8be48412af12de21f4b8

DOI: 10.1016/j.electacta.2015.10.113
DOCUMENT TYPE: Article
SOURCE: Scopus

Arulraj, A.D., Vijayan, M., Vasantha, V.S.
Highly selective and sensitive simple sensor based on electrochemically treated nano polypyrrole-sodium dodecyl sulphate film for the detection of para-nitrophenol
(2015) Analytica Chimica Acta, 899, pp. 66-74. Cited 28 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84946204442&doi=10.1016%2fj.aca.2015.09.055&partnerID=40&md5=434d8bfcafd4e11b6f0f5d5e820d8c6b

DOI: 10.1016/j.aca.2015.09.055
DOCUMENT TYPE: Article
SOURCE: Scopus

Martín, M., Salazar, P., Campuzano, S., Villalonga, R., Pingarrón, J.M., González-Mora, J.L.
Amperometric magnetobiosensors using poly(dopamine)-modified Fe3O4 magnetic nanoparticles for the detection of phenolic compounds
(2015) Analytical Methods, 7 (20), pp. 8801-8808. Cited 21 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84944311954&doi=10.1039%2fc5ay01996f&partnerID=40&md5=47499cefc683563635acaae974b94f6b

DOI: 10.1039/c5ay01996f
DOCUMENT TYPE: Article
SOURCE: Scopus

Chaudhary, S., Kumar, S., Mehta, S.K.
Glycol modified gadolinium oxide nanoparticles as a potential template for selective and sensitive detection of 4-nitrophenol
(2015) Journal of Materials Chemistry C, 3 (34), pp. 8824-8833. Cited 15 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84939863252&doi=10.1039%2fc5tc01666e&partnerID=40&md5=1d4b8057f9e901e01f693cb8b9898dfe

DOI: 10.1039/c5tc01666e
DOCUMENT TYPE: Article
SOURCE: Scopus

De Oliveira, R.M., Santos, N.G., De Almeida Alves, L., Lima, K.C.M.S., Kubota, L.T., Damos, F.S., De Cássia Silva Luz, R.
Highly sensitive p-nitrophenol determination employing a new sensor based on N-Methylphenazonium methyl sulfate and graphene: Analysis in natural and treated waters
(2015) Sensors and Actuators, B: Chemical, 221, pp. 740-749. Cited 28 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84937242949&doi=10.1016%2fj.snb.2015.07.014&partnerID=40&md5=0403758d560418e776f0f6e10c3720d3

DOI: 10.1016/j.snb.2015.07.014
DOCUMENT TYPE: Article
SOURCE: Scopus

Lupu, S., Lete, C., Lakard, B., Hihn, J.-Y., Sánchez-Molas, D., del Campo, F.J.
Electrochemical deposition and patterning of composite nanomaterials for electrochemical sensors and biosensors
(2015) Comprehensive Guide for Nanocoatings Technology, Volume 4: Application and Commercialization, pp. 359-406.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152980730&partnerID=40&md5=c4487d7e2c23a75a16d32e9db62a902d

DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Lete, C., Gadgil, B., Kvarnström, C.
The electrochemistry of copolymer films based on azulene and 3 thiophene acetic acid
(2015) Journal of Electroanalytical Chemistry, 742, pp. 30-36. Cited 12 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84923171520&doi=10.1016%2fj.jelechem.2015.01.023&partnerID=40&md5=958ae12387efed9798fd63cf0487e43d

DOI: 10.1016/j.jelechem.2015.01.023
DOCUMENT TYPE: Article
SOURCE: Scopus

Majdecka, D., Draminska, S., Stolarczyk, K., Kizling, M., Krysinski, P., Golimowski, J., Biernat, J.F., Bilewicz, R.
Sandwich biobattery with enzymatic cathode and Zinc anode integrated with sensor
(2015) Journal of the Electrochemical Society, 162 (6), pp. F555-F559. Cited 14 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84928387679&doi=10.1149%2f2.0731506jes&partnerID=40&md5=bd87609037fc7c1ed3058c68f8050076

DOI: 10.1149/2.0731506jes
DOCUMENT TYPE: Article
SOURCE: Scopus

Ng, A.M.H., Kenry, Teck Lim, C., Low, H.Y., Loh, K.P., Kenry, Kenry
Highly sensitive reduced graphene oxide microelectrode array sensor
(2015) Biosensors and Bioelectronics, 65, pp. 265-273. Cited 59 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84908637433&doi=10.1016%2fj.bios.2014.10.048&partnerID=40&md5=7c3ac2a912e37092b6da18171f14261b

DOI: 10.1016/j.bios.2014.10.048
DOCUMENT TYPE: Article
SOURCE: Scopus

Wu, L.-N., Tan, Y.-L., Wang, L., Sun, S.-N., Qu, Z.-Y., Zhang, J.-M., Fan, Y.-J.
Dopamine sensor based on a hybrid material composed of cuprous oxide hollow microspheres and carbon black
(2015) Microchimica Acta, 182 (7-8), pp. 1361-1369. Cited 54 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84939968917&doi=10.1007%2fs00604-015-1455-2&partnerID=40&md5=a919dca14f50a9287d1095f39e2e6ae4

DOI: 10.1007/s00604-015-1455-2
DOCUMENT TYPE: Article
SOURCE: Scopus

Lamba, R., Umar, A., Mehta, S.K., Kumar Kansal, S.
Well-crystalline porous ZnO-SnO2 nanosheets: An effective visible-light driven photocatalyst and highly sensitive smart sensor material
(2015) Talanta, 131, pp. 490-498. Cited 120 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84906876048&doi=10.1016%2fj.talanta.2014.07.096&partnerID=40&md5=8c9b913784b14bd90bb2fbd37f17a9b5

DOI: 10.1016/j.talanta.2014.07.096
DOCUMENT TYPE: Article
SOURCE: Scopus

Zarei, K., Teymori, E., Kor, K.
Very sensitive differential pulse adsorptive stripping voltammetric determination of 4-nitrophenol at poly (diphenylamine)/multi-walled carbon nanotube-β-cyclodextrin-modified glassy carbon electrode
(2014) International Journal of Environmental Analytical Chemistry, 94, pp. 1407-1421. Cited 14 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84916885401&doi=10.1080%2f03067319.2014.962529&partnerID=40&md5=3cd5d3bc467d46acb6ef41063fea01b8

DOI: 10.1080/03067319.2014.962529
DOCUMENT TYPE: Article
SOURCE: Scopus

Noorbakhsh, A., Mirkalaei, M.M., Yousefi, M.H., Manochehri, S.
Electrodeposition of cobalt oxide nanostructure on the glassy carbon electrode for electrocatalytic determination of para-Nitrophenol
(2014) Electroanalysis, 26 (12), pp. 2716-2726. Cited 29 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84913604715&doi=10.1002%2felan.201400386&partnerID=40&md5=a166915d1e565d490763728e3787e1b8

DOI: 10.1002/elan.201400386
DOCUMENT TYPE: Article
SOURCE: Scopus

Peng, D., Zhang, J., Qin, D., Chen, J., Shan, D., Lu, X.
An electrochemical sensor based on polyelectrolyte-functionalized graphene for detection of 4-nitrophenol
(2014) Journal of Electroanalytical Chemistry, 734, pp. 1-6. Cited 56 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84907977116&doi=10.1016%2fj.jelechem.2014.09.027&partnerID=40&md5=04f471ec937a12f8c341d7124c41e0bb

DOI: 10.1016/j.jelechem.2014.09.027
DOCUMENT TYPE: Article
SOURCE: Scopus

Kawde, A.-N., Aziz, M.A.
Porous Copper-Modified Graphite Pencil Electrode for the Amperometric Detection of 4-Nitrophenol
(2014) Electroanalysis, 26 (11), pp. 2484-2490. Cited 39 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84910629572&doi=10.1002%2felan.201400281&partnerID=40&md5=b345932255e69ea35740e266a240089b

DOI: 10.1002/elan.201400281
DOCUMENT TYPE: Article
SOURCE: Scopus

Žunić, M.J., Milutinović-Nikolić, A.D., Stanković, D.M., Manojlović, D.D., Jović-Jovičić, N.P., Banković, P.T., Mojović, Z.D., Jovanović, D.M.
Electrooxidation of p-nitrophenol using a composite organo-smectite clay glassy carbon electrode
(2014) Applied Surface Science, 313, pp. 440-448. Cited 24 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904810196&doi=10.1016%2fj.apsusc.2014.05.228&partnerID=40&md5=7d6fa714295bdf239f3f11119751f2dd

DOI: 10.1016/j.apsusc.2014.05.228
DOCUMENT TYPE: Article
SOURCE: Scopus

Zhou, Y., Qu, Z.-B., Zeng, Y., Zhou, T., Shi, G.
A novel composite of graphene quantum dots and molecularly imprinted polymer for fluorescent detection of paranitrophenol
(2014) Biosensors and Bioelectronics, 52, pp. 317-323. Cited 233 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84884719278&doi=10.1016%2fj.bios.2013.09.022&partnerID=40&md5=0e092a6b7880616623a22725f22915ce

DOI: 10.1016/j.bios.2013.09.022
DOCUMENT TYPE: Article
SOURCE: Scopus

Liu, B., Wang, T., Yin, C., Wei, Z.
Electrochemical analysis of p-nitrophenol in acidic or alkaline medium using silver nanoparticle decorated multi-walled carbon nanotubes
(2014) Journal of Materials Science, 49 (15), pp. 5398-5405. Cited 33 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84901348613&doi=10.1007%2fs10853-014-8251-y&partnerID=40&md5=c1fda3cdc3fc049cb9cd112eea9aa4ea

DOI: 10.1007/s10853-014-8251-y
DOCUMENT TYPE: Article
SOURCE: Scopus

Xu, G., Yang, L., Zhong, M., Li, C., Lu, X., Kan, X.
Selective recognition and electrochemical detection of p-nitrophenol based on a macroporous imprinted polymer containing gold nanoparticles
(2013) Microchimica Acta, 180 (15-16), pp. 1461-1469. Cited 46 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84887869730&doi=10.1007%2fs00604-013-1090-8&partnerID=40&md5=d853f3b9545b0e19852d77473ccd4f6e

DOI: 10.1007/s00604-013-1090-8
DOCUMENT TYPE: Article
SOURCE: Scopus

Tang, Y., Huang, R., Liu, C., Yang, S., Lu, Z., Luo, S.
Electrochemical detection of 4-nitrophenol based on a glassy carbon electrode modified with a reduced graphene oxide/Au nanoparticle composite
(2013) Analytical Methods, 5 (20), pp. 5508-5514. Cited 134 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84884856409&doi=10.1039%2fc3ay40742j&partnerID=40&md5=a6807aaa1983ac622ff6b4def6f72f83

DOI: 10.1039/c3ay40742j
DOCUMENT TYPE: Article
SOURCE: Scopus

Krzyczmonik, P., Socha, E.
Electrodes modified with composite layers of poly(3,4-ethylenedioxythiophene) (PEDOT) and polyaniline (PANI) for applications in bioelectroanalysis
(2013) Chemik, 67 (9), pp. 801-810. Cited 5 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84885397487&partnerID=40&md5=320b7c6c061dda675a0f680f655278f3

DOCUMENT TYPE: Article
SOURCE: Scopus

Janáky, C., Visy, C.
Conducting polymer-based hybrid assemblies for electrochemical sensing: A materials science perspective
(2013) Analytical and Bioanalytical Chemistry, 405 (11), pp. 3489-3511. Cited 92 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84877123748&doi=10.1007%2fs00216-013-6702-y&partnerID=40&md5=abd0e7211ee74ea0964a44e780a73093

DOI: 10.1007/s00216-013-6702-y
DOCUMENT TYPE: Review
SOURCE: Scopus

Jackowska, K., Krysinski, P.
New trends in the electrochemical sensing of dopamine
(2013) Analytical and Bioanalytical Chemistry, 405 (11), pp. 3753-3771. Cited 368 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84877117268&doi=10.1007%2fs00216-012-6578-2&partnerID=40&md5=3fecd2ade58f3ad7447120b223b1ff3a

DOI: 10.1007/s00216-012-6578-2
DOCUMENT TYPE: Article
SOURCE: Scopus

Yang, X., Kirsch, J., Fergus, J., Simonian, A.
Modeling analysis of electrode fouling during electrolysis of phenolic compounds
(2013) Electrochimica Acta, 94, pp. 259-268. Cited 105 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84875168832&doi=10.1016%2fj.electacta.2013.01.019&partnerID=40&md5=19a6db9301dc6307957710d32fe4f419

DOI: 10.1016/j.electacta.2013.01.019
DOCUMENT TYPE: Article
SOURCE: Scopus

Shankar, S.S., Kumara Swamy, B.E., Mahanthesha, K.R., Sathisha, T.V., Vishwanath, C.C.
Acetanilide modified carbon paste electrode for the electrochemical detection of dopamine: A cyclic voltammetric study
(2013) Analytical and Bioanalytical Electrochemistry, 5 (1), pp. 19-31. Cited 12 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84874620821&partnerID=40&md5=3d209ab6105db436a17e7e7329c6efa5

DOCUMENT TYPE: Article
SOURCE: Scopus

Yang, X., Kirsch, J., Olsen, E.V., Fergus, J.W., Simonian, A.L.
Anti-fouling PEDOT:PSS modification on glassy carbon electrodes for continuous monitoring of tricresyl phosphate
(2013) Sensors and Actuators, B: Chemical, 177, pp. 659-667. Cited 56 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84871791701&doi=10.1016%2fj.snb.2012.11.057&partnerID=40&md5=03152424eb3a4f1205e46ba010dcff13

DOI: 10.1016/j.snb.2012.11.057
DOCUMENT TYPE: Review
SOURCE: Scopus

Umar, A., Akhtar, M.S., Dar, G.N., Baskoutas, S.
Low-temperature synthesis of α-Fe2O3 hexagonal nanoparticles for environmental remediation and smart sensor applications
(2013) Talanta, 116, pp. 1060-1066. Cited 67 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84884225555&doi=10.1016%2fj.talanta.2013.08.026&partnerID=40&md5=9dec4f89612deb50e26f289e79383a2c

DOI: 10.1016/j.talanta.2013.08.026
DOCUMENT TYPE: Article
SOURCE: Scopus

Chumillas, S., Figueiredo, M.C., Climent, V., Feliu, J.M.
Study of dopamine reactivity on platinum single crystalelectrode surfaces
(2013) Electrochimica Acta, 109, pp. 577-586. Cited 27 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84882468149&doi=10.1016%2fj.electacta.2013.07.107&partnerID=40&md5=9989ffafab41b6237c0e6de9eb4fb442

DOI: 10.1016/j.electacta.2013.07.107
DOCUMENT TYPE: Article
SOURCE: Scopus

Liu, W.-L., Li, C., Tang, L., Gu, Y., Zhang, Z.-Q.
Facile synthesis of graphene-poly(styrene sulfonate)-Pt nanocomposite and its application in amperometric determination of dopamine
(2013) Fenxi Huaxue/ Chinese Journal of Analytical Chemistry, 41 (5), pp. 714-718. Cited 14 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84878467734&doi=10.1016%2fS1872-2040%2813%2960656-8&partnerID=40&md5=0f51d906839c83ac697e7e203a97e6fd

DOI: 10.1016/S1872-2040(13)60656-8
DOCUMENT TYPE: Article
SOURCE: Scopus

Thandavan, K., Gandhi, S., Sethuraman, S., Rayappan, J.B.B., Krishnan, U.M.
A novel nano-interfaced superoxide biosensor
(2013) Sensors and Actuators, B: Chemical, 176, pp. 884-892. Cited 46 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84875455312&doi=10.1016%2fj.snb.2012.09.031&partnerID=40&md5=abbab3efbcbcec70e043374fb00cb957

DOI: 10.1016/j.snb.2012.09.031
DOCUMENT TYPE: Article
SOURCE: Scopus

Zanardi, C., Terzi, F., Seeber, R.
Polythiophenes and polythiophene-based composites in amperometric sensing
(2013) Analytical and Bioanalytical Chemistry, 405 (2-3), pp. 509-531. Cited 80 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84873741371&doi=10.1007%2fs00216-012-6318-7&partnerID=40&md5=88202623b2ebd143d1467301aa1dcbfe

DOI: 10.1007/s00216-012-6318-7
DOCUMENT TYPE: Review
SOURCE: Scopus

Adekunle, A.S., Arotiba, O.A., Agboola, B.O., Maxakato, N.W., Mamba, B.B.
Voltammetric and impedance studies of phenols and its derivatives at carbon nanotubes/prussian blue films platinum modified electrode
(2012) International Journal of Electrochemical Science, 7 (9), pp. 8035-8051. Cited 9 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84872842978&partnerID=40&md5=c7c88d3dcac4e64e3716b0cf27c4ea44

DOCUMENT TYPE: Article
SOURCE: Scopus

Zhang, W., Chang, J., Chen, J., Xu, F., Wang, F., Jiang, K., Gao, Z.
Graphene-Au composite sensor for electrochemical detection of para-nitrophenol
(2012) Research on Chemical Intermediates, 38 (9), pp. 2443-2455. Cited 49 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84871070257&doi=10.1007%2fs11164-012-0560-7&partnerID=40&md5=33c80bbbe43622177bae4162266e1ee1

DOI: 10.1007/s11164-012-0560-7
DOCUMENT TYPE: Article
SOURCE: Scopus

Ghoreishi, S.M., Behpour, M., Golestaneh, M.
Electrochemical studies of determination of C.I. Direct Red 80 based on a gold nanoparticles-modified carbon paste electrode

(2012) International Journal of Environmental Analytical Chemistry, 92 (12), pp. 1403-1416. Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84866757257&doi=10.1080%2f03067319.2010.548095&partnerID=40&md5=f88406e0668e8a6e3faacfc32bb25900

DOI: 10.1080/03067319.2010.548095
DOCUMENT TYPE: Article
SOURCE: Scopus

Huang, D.-Q., Chen, C., Wu, Y.-M., Zhang, H., Sheng, L.-Q., Xu, H.-J., Liu, Z.-D.
The determination of dopamine using glassy carbon electrode pretreated by a simple electrochemical method
(2012) International Journal of Electrochemical Science, 7 (6), pp. 5510-5520. Cited 49 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84862729723&partnerID=40&md5=06a2858a7d8dc8b4090bf11a8cbdf01b

DOCUMENT TYPE: Article
SOURCE: Scopus

Abu Rabi-Stanković, A., Milutinović-Nikolić, A., Jović-Jovičić, N., Banković, P., Žunić, M., Mojović, Z., Jovanović, D.
p-nitrophenol electro-oxidation on a BTMA+-bentonite-modified electrode
(2012) Clays and Clay Minerals, 60 (3), pp. 291-299. Cited 10 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84866510589&doi=10.1346%2fCCMN.2012.0600306&partnerID=40&md5=b28239b8ea720361ba66ea9b1c4deb87

DOI: 10.1346/CCMN.2012.0600306
DOCUMENT TYPE: Article
SOURCE: Scopus

Yin, H., Zhou, Y., Ai, S., Ma, Q., Zhu, L., Lu, L.
Electrochemical oxidation determination and voltammetric behaviour of 4-nitrophenol based on Cu 2O nanoparticles modified glassy carbon electrode
(2012) International Journal of Environmental Analytical Chemistry, 92 (6), pp. 742-754. Cited 50 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84859729373&doi=10.1080%2f03067319.2010.520123&partnerID=40&md5=cee102f7b0d8cc6ff07623c07c466558

DOI: 10.1080/03067319.2010.520123
DOCUMENT TYPE: Article
SOURCE: Scopus

Atta, N.F., Galal, A., El-Ads, E.H.
Gold nanoparticles-coated poly(3,4-ethylene-dioxythiophene) for the selective determination of sub-nano concentrations of dopamine in presence of sodium dodecyl sulfate
(2012) Electrochimica Acta, 69, pp. 102-111. Cited 63 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84859610877&doi=10.1016%2fj.electacta.2012.02.082&partnerID=40&md5=8e6808ee47a4cdc5effb725eb1aa90d6

DOI: 10.1016/j.electacta.2012.02.082
DOCUMENT TYPE: Article
SOURCE: Scopus

Zhou, H., Gan, N., Hou, J., Li, T., Cao, Y.
Enhanced electrochemiluminescence employed for the selective detection of methyl parathion based on a zirconia nanoparticle film modified electrode
(2012) Analytical Sciences, 28 (3), pp. 267-274. Cited 8 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84862269706&doi=10.2116%2fanalsci.28.267&partnerID=40&md5=0778e7c12afe4f2dfc60f5f69dc33af8

DOI: 10.2116/analsci.28.267
DOCUMENT TYPE: Article
SOURCE: Scopus

Jacewicz, D., Zamojć, K., Chmurzyński, L.
Analytical methods for determination of ·NO and ·NO2 and their applicability in biological studies
(2012) Current Pharmaceutical Analysis, 8 (2), pp. 115-134. Cited 3 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84861765978&doi=10.2174%2f157341291120802011 5&partnerID=40&md5=1863e9633c1e04837d613deda0576da4

DOI: 10.2174/157341291120802011 5
DOCUMENT TYPE: Article
SOURCE: Scopus

Xu, X., Liu, Z., Zhang, X., Duan, S., Xu, S., Zhou, C.
β-Cyclodextrin functionalized mesoporous silica for electrochemical selective sensor: Simultaneous determination of nitrophenol isomers
(2011) Electrochimica Acta, 58 (1), pp. 142-149. Cited 134 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-81855182114&doi=10.1016%2fj.electacta.2011.09.015&partnerID=40&md5=4f73b6ec3f461aa241edb0ed68d7df73

DOI: 10.1016/j.electacta.2011.09.015
DOCUMENT TYPE: Article
SOURCE: Scopus

Chen, M., Wei, X., Qian, H., Diao, G.
Fabrication of GNPs/CDSH-Fc/nafion modified electrode for the detection of dopamine in the presence of ascorbic acid
(2011) Materials Science and Engineering C, 31 (7), pp. 1271-1277. Cited 14 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-80052134873&doi=10.1016%2fj.msec.2011.04.002&partnerID=40&md5=fac0314eef3c790cf6cedc0064d527c4

DOI: 10.1016/j.msec.2011.04.002
DOCUMENT TYPE: Article
SOURCE: Scopus

Tang, Y.-Y., Chen, P.-Y.
Gold nanoparticle-electrodeposited electrodes used for p-nitrophenol detection in acidic media: Effect of electrodeposition parameters on particle density, size distribution, and electrode performance
(2011) Journal of the Chinese Chemical Society, 58 (6), pp. 723-731. Cited 17 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-80755159338&doi=10.1002%2fjccs.201190114&partnerID=40&md5=0a219f292fecae35cd2abdd616637fd9

DOI: 10.1002/jccs.201190114
DOCUMENT TYPE: Article
SOURCE: Scopus

Lupu, S., Lakard, B., Hihn, J.-Y., Dejeu, J., Rougeot, P., Lallemand, S.
Morphological characterization and analytical application of poly(3,4-ethylenedioxythiophene)-Prussian blue composite films electrodeposited in situ on platinum electrode chips
(2011) Thin Solid Films, 519 (22), pp. 7754-7762. Cited 23 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-79959773464&doi=10.1016%2fj.tsf.2011.06.011&partnerID=40&md5=17909d8bf7735d3b36d01f34abaea18e

DOI: 10.1016/j.tsf.2011.06.011
DOCUMENT TYPE: Article
SOURCE: Scopus

Tang, H., Lin, P., Chan, H.L.W., Yan, F.
Highly sensitive dopamine biosensors based on organic electrochemical transistors
(2011) Biosensors and Bioelectronics, 26 (11), pp. 4559-4563. Cited 197 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-79959273480&doi=10.1016%2fj.bios.2011.05.025&partnerID=40&md5=9d85eecd929b9ab975887175d12feb4e

DOI: 10.1016/j.bios.2011.05.025
DOCUMENT TYPE: Article
SOURCE: Scopus

Zou, B., Bian, L., Wang, Y., Li, X., Liu, X.
Electrocatalytic reduction of bromate, chlorate, nitrite and 4-nitrophenol at WO3/PANI modified electrode
(2011) Acta Chimica Sinica, 69 (13), pp. 1575-1581. Cited 1 time.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84877103961&partnerID=40&md5=675e3b4cc667545de4f4cc051b06468b

DOCUMENT TYPE: Article
SOURCE: Scopus

Buica, G.-O., Ungureanu, E.-M., Birzan, L., Razus, A.C., Bujduveanu, M.-R.
Films of poly(4-azulen-1-yl-2,6-bis(2-thienyl)pyridine) for heavy metal ions complexation
(2011) Electrochimica Acta, 56 (14), pp. 5028-5036. Cited 29 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-79956362250&doi=10.1016%2fj.electacta.2011.03.096&partnerID=40&md5=494996396a614851553496db6f9d22cf

DOI: 10.1016/j.electacta.2011.03.096
DOCUMENT TYPE: Article
SOURCE: Scopus

Lupu, S.
In situ electrochemical preparation and characterization of PEDOT-Prussian blue composite materials
(2011) Synthetic Metals, 161 (5-6), pp. 384-390. Cited 20 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-79951946521&doi=10.1016%2fj.synthmet.2010.12.015&partnerID=40&md5=ddab2931c5a5fed786cce8d82dc26e6d

DOI: 10.1016/j.synthmet.2010.12.015
DOCUMENT TYPE: Article
SOURCE: Scopus

Qu, L., Yang, S., Li, G., Yang, R., Li, J., Yu, L.
Preparation of yttrium hexacyanoferrate/carbon nanotube/Nafion nanocomposite film-modified electrode: Application to the electrocatalytic oxidation of l-cysteine
(2011) Electrochimica Acta, 56 (7), pp. 2934-2940. Cited 47 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-79952536147&doi=10.1016%2fj.electacta.2010.12.090&partnerID=40&md5=a1bb6e32f94171e6e515eedece9e04f0

DOI: 10.1016/j.electacta.2010.12.090
DOCUMENT TYPE: Article
SOURCE: Scopus

Liu, X., Luo, L., Ding, Y., Xu, Y.
Amperometric biosensors based on alumina nanoparticles-chitosan-horseradish peroxidase nanobiocomposites for the determination of phenolic compounds
(2011) Analyst, 136 (4), pp. 696-701. Cited 51 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-79551657789&doi=10.1039%2fc0an00752h&partnerID=40&md5=ac7b59839687fb0114311d9f7026729e

DOI: 10.1039/c0an00752h
DOCUMENT TYPE: Article
SOURCE: Scopus

Colín-Orozco, E., Corona-Avendaño, S., Romero-Romo, M., Palomar-Pardavé, M., Ramírez-Silva, M.T.
Dopamine electrochemical determination with uric and ascorbic acids present in solution using a sodium dodecyl sulphate-modified carbon paste electrode (SDS-CPE) at physiologic pH
(2011) ECS Transactions, 36 (1), pp. 373-384. Cited 2 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84879424653&doi=10.1149%2f1.3660631&partnerID=40&md5=1df0f91d4ca666474c41b32753f5a6bd

DOI: 10.1149/1.3660631
DOCUMENT TYPE: Conference Paper
SOURCE: Scopus

Zanardi, C., Terzi, F., Pigani, L., Seeber, R.
Electrode coatings consisting of polythiophene-based composites containing metal centres
(2011) Encyclopedia of Polymer Composites: Properties,Performance and Applications, pp. 1-74. Cited 7 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84859244882&partnerID=40&md5=a86c040e0381ca0e33bcf12382227ff5

DOCUMENT TYPE: Book Chapter
SOURCE: Scopus

Kong, X., Zhao, J., Han, J., Zhang, D., Wei, M., Duan, X.
Fabrication of Naphthol green B/layered double hydroxide nanosheets ultrathin film and its application in electrocatalysis
(2011) Electrochimica Acta, 56 (3), pp. 1123-1129. Cited 33 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-78650515795&doi=10.1016%2fj.electacta.2010.10.081&partnerID=40&md5=3e4fb178249ab3d4b23d2fb43709194d

DOI: 10.1016/j.electacta.2010.10.081
DOCUMENT TYPE: Article
SOURCE: Scopus

Gu, Y.-E., Zhang, Y., Zhang, F., Wei, J., Wang, C., Du, Y., Ye, W.
Investigation of photoelectrocatalytic activity of Cu2O nanoparticles for p-nitrophenol using rotating ring-disk electrode and application for electrocatalytic determination
(2010) Electrochimica Acta, 56 (2), pp. 953-958. Cited 77 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-78449296446&doi=10.1016%2fj.electacta.2010.09.051&partnerID=40&md5=48d1baf325acb3175b43e1c721252a2b

DOI: 10.1016/j.electacta.2010.09.051
DOCUMENT TYPE: Article
SOURCE: Scopus

Stoyanova, A., Tsakova, V.
Copper-modified poly(3,4-ethylenedioxythiophene) layers for selective determination of dopamine in the presence of ascorbic acid: II Role of the characteristics of the metal deposit
(2010) Journal of Solid State Electrochemistry, 14 (11), pp. 1957-1965. Cited 17 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-77956393593&doi=10.1007%2fs10008-010-1017-9&partnerID=40&md5=905b1eb9307cd4d214870ae1dc11b744

DOI: 10.1007/s10008-010-1017-9
DOCUMENT TYPE: Conference Paper
SOURCE: Scopus

Stoyanova, A., Tsakova, V.
Copper-modified poly(3,4-ethylenedioxythiophene) layers for selective determination of dopamine in the presence of ascorbic acid: I. Role of the polymer layer thickness
(2010) Journal of Solid State Electrochemistry, 14 (11), pp. 1947-1955. Cited 23 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-77956393525&doi=10.1007%2fs10008-010-1007-y&partnerID=40&md5=94d56027c10777801dbb496272d427e6

DOI: 10.1007/s10008-010-1007-y
DOCUMENT TYPE: Conference Paper
SOURCE: Scopus

Spătaru, T., Spătaru, N.
Voltammetric detection of phenol at platinum-polytyramine composite electrodes in acidic media
(2010) Journal of Hazardous Materials, 180 (1-3), pp. 777-780. Cited 28 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-77953201461&doi=10.1016%2fj.jhazmat.2010.04.058&partnerID=40&md5=09decbabed833a484a698b8d00a7320a

DOI: 10.1016/j.jhazmat.2010.04.058
DOCUMENT TYPE: Article

SOURCE: Scopus

Barnes, E.O., O'Mahony, A.M., Aldous, L., Hardacre, C., Compton, R.G.
The electrochemical oxidation of catechol and dopamine on platinum in 1-Ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide ([C 2mim][NTf2]) and 1-Butyl-3-methylimidazolium tetrafluoroborate ([C4mim][BF4]): Adsorption effects in ionic liquid voltammetry
(2010) Journal of Electroanalytical Chemistry, 646 (1-2), pp. 11-17. Cited 26 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-77955317883&doi=10.1016%2fj.jelechem.2009.11.016&partnerID=40&md5=a38e62433d48f2c4f42050e087aca047

DOI: 10.1016/j.jelechem.2009.11.016
DOCUMENT TYPE: Article
SOURCE: Scopus

Yin, H., Zhou, Y., Ai, S., Liu, X., Zhu, L., Lu, L.
Electrochemical oxidative determination of 4-nitrophenol based on a glassy carbon electrode modified with a hydroxyapatite nanopowder
(2010) Microchimica Acta, 169 (1), pp. 87-92. Cited 169 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-77950690991&doi=10.1007%2fs00604-010-0309-1&partnerID=40&md5=a16a486add056fe1c57f43a85d4cc0df

DOI: 10.1007/s00604-010-0309-1
DOCUMENT TYPE: Article
SOURCE: Scopus

Noroozifar, M., Khorasani-Motlagh, M., Taheri, A.
Preparation of silver hexacyanoferrate nanoparticles and its application for the simultaneous determination of ascorbic acid, dopamine and uric acid
(2010) Talanta, 80 (5), pp. 1657-1664. Cited 114 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-75749117469&doi=10.1016%2fj.talanta.2009.10.005&partnerID=40&md5=10656077868505ac9dae9a1015a608fc

DOI: 10.1016/j.talanta.2009.10.005
DOCUMENT TYPE: Article
SOURCE: Scopus

Adamski, J., Nowak, P., Kochana, J.
Simple sensor for the determination of phenol and its derivatives in water based on enzyme tyrosinase
(2010) Electrochimica Acta, 55 (7), pp. 2363-2367. Cited 38 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-75949125107&doi=10.1016%2fj.electacta.2009.11.099&partnerID=40&md5=9fbdc4940a0997c97cecd3082034559f

DOI: 10.1016/j.electacta.2009.11.099
DOCUMENT TYPE: Article
SOURCE: Scopus

Bencsik, G., Lukács, Z., Visy, C.
Photo-electrochemical sensor for dissolved oxygen, based on a poly(3,4-ethylenedioxythiophene)/iron oxalate hybrid electrode
(2010) Analyst, 135 (2), pp. 375-380. Cited 22 times.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-76749084320&doi=10.1039%2fb912152h&partnerID=40&md5=98017e908ae88d07a8b00e31b51eeac1

DOI: 10.1039/b912152h
DOCUMENT TYPE: Article
SOURCE: Scopus

Yao, H., Li, S., Tang, Y., Chen, Y., Chen, Y., Lin, X.
Selective oxidation of serotonin and norepinephrine over eriochrome cyanine R film modified glassy carbon electrode
(2009) Electrochimica Acta, 54 (20), pp. 4607-4612. Cited 49 times.

	https://www.scopus.com/inward/record.uri?eid=2-s2.0-65549114654&doi=10.1016%2fj.electacta.2009.02.108&partnerID=40&md5=8b534bcfa6905aa3292a424137f0cb4f DOI: 10.1016/j.electacta.2009.02.108 DOCUMENT TYPE: Article SOURCE: Scopus	
34	**Voltammetric Determination Of Dopamine At Pedot-Prussian Blue Composite Modified Electrodes, Lupu, S; Balaure, PC; Lete, C; Marin, M; Totir, N., Revue Roumaine De Chimie, 53(10), 931, 2008, WOS: 000266215500005**	4
	Scopus **EXPORT DATE:21 Apr 2024** **Krzyczmonik, P., Socha, E.** **Electrodes modified with composite layers of poly(3,4-ethylenedioxythiophene) (PEDOT) and polyaniline (PANI) for applications in bioelectroanalysis** **(2013) Chemik, 67 (9), pp. 801-810. Cited 5 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84885397487&partnerID=40&md5=320b7c6c061dda675a0f680f655278f3** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Zanardi, C., Terzi, F., Seeber, R.** **Polythiophenes and polythiophene-based composites in amperometric sensing** **(2013) Analytical and Bioanalytical Chemistry, 405 (2-3), pp. 509-531. Cited 80 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-84873741371&doi=10.1007%2fs00216-012-6318-7&partnerID=40&md5=88202623b2ebd143d1467301aa1dcbfe** **DOI: 10.1007/s00216-012-6318-7** **DOCUMENT TYPE: Review** **SOURCE: Scopus** **Patrascu, D., David, I., David, V., Mihailciuc, C., Stamatin, I., Ciurea, J., Nagy, L., Nagy, G., Ciucu, A.A.** **Selective voltammetric determination of electroactive neuromodulating species in biological samples using iron(II) phthalocyanine modified multi-wall carbon nanotubes paste electrode** **(2011) Sensors and Actuators, B: Chemical, 156 (2), pp. 731-736. Cited 42 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-79958123319&doi=10.1016%2fj.snb.2011.02.027&partnerID=40&md5=eb3822fec509f68847d866a8735400fc** **DOI: 10.1016/j.snb.2011.02.027** **DOCUMENT TYPE: Article** **SOURCE: Scopus** **Lupu, S., del Campo, F.J., Muñoz, F.X.** **Development of microelectrode arrays modified with inorganic-organic composite materials for dopamine electroanalysis** **(2010) Journal of Electroanalytical Chemistry, 639 (1-2), pp. 147-153. Cited 33 times.** **https://www.scopus.com/inward/record.uri?eid=2-s2.0-75249099011&doi=10.1016%2fj.jelechem.2009.12.003&partnerID=40&md5=b63c93af653d1d483efd873d486c556b** **DOI: 10.1016/j.jelechem.2009.12.003** **DOCUMENT TYPE: Article** **SOURCE: ScopusBrevete nationale**	

TABELUL 3, CRITERIUL NCO

NR. crt.	Date de identificare a proiectului de cercetare în calitate de Director de proiect în valoare de minim 10.000 euro

1	**Grant GNAC ARUT 2023, intitulat “Suprafețe nanostructurate bioactive pe bază de magnetită” ID 188, Nr. contract 92/11.10.2023, ID CRESCDI 220235136, director de proiect Conf. Dr. Ing. Paul Cătălin BALAURE**