

L I S T A lucrărilor științifice

A. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

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1. R.-A. Mitran, **C. Matei**, D. Berger, L. Băjenaru, M.G. Moiescu, Controlling drug release from mesoporous silica through an amorphous, nanoconfined 1-tetradecanol layer, *European Journal of Pharmaceutics and Biopharmaceutics*, 127 (2018) 318-325, ISSN: 09396411 (IF=4.159)
2. A. Dumbrava, D. Berger, **C. Matei**, M.D. Radu, E. Gheorghe, Characterization and applications of a new composite material obtained by green synthesis, through deposition of zinc oxide onto calcium carbonate precipitated in green seaweeds extract, *Ceramics International* 44(5) (2018) 4931-4936, ISSN 02728842 (FI=2.986)
3. R.-A. Mitran, D. Berger, **C. Matei***, Improving thermal properties of shape-stabilized phase change materials containing lauric acid and mesocellular foam silica by assessing thermodynamic properties of the non-melting layer, *Thermochimica Acta*, 660 (2018) 70-76, ISSN 00406031 (IF=2.236)
4. D. Georgescu, A.-M. Brezoiu, R.-A. Mitran, D. Berger, , **C. Matei**, B. Negreanu-Pirjol, Mesostructured silica–titania composites for improved oxytetracycline delivery systems, *Comptes Rendus Chimie*, 20(11-12) (2017) 1017-1025, ISSN: 16310748 (IF=1.879)
5. D. Berger, D. Georgescu, L. Băjenaru, A. Zanfir, N. Stănică, **C. Matei***, Properties of mesostructured silica coated CoFe_2O_4 versus Fe_3O_4 -silica composites, *Journal of Alloys and Compounds*, 708 (2017) 278-284, ISSN 1387-1811 (F.I.=3.133)
6. A. Dumbrava, B. Berger, G. Prodan, **C. Matei**, F. Moscalu, A. Diacon, The influence of Triton X-100 surfactant on the morphology and properties of zinc sulfide nanoparticles for applications in azo dyes degradation, *Materials Chemistry and Physics*, 193 (2017) 316-328, ISSN: 0254-0584 (F.I.=2.084)
7. T.I. Sibianu, G. Dimitrakis, J. Katrib, **C. Matei**, D. Berger, C. Dodds, A.V. Surdu, I. Calinescu, D.J. Irvine, Utilization of Dielectric Properties Assessment to Evaluate the Catalytic Activity and Rate of Deactivation of Heterogeneous Catalysts , *Industrial and Engineering Chemistry Research*, 56(8) (2017) 1940-1947, ISSN: 0888-5885 (F.I.=2.843)
8. R.-A. Mitran, D. Berger, J. Pandele-Cusu, **C. Matei***, Effect of Aluminum Incorporation into Mesoporous Aluminosilicate Framework on Drug Release Kinetics, *Journal of Nanomaterials*, 2017, 9864396, ISSN:1687-4110 (F.I.= 1.871)
9. T.I. Sibianu, D. Berger, **C. Matei**, I. Calinescu, Microwave assisted Fischer - Tropsch synthesis at a atmospheric pressure, *Revista de Chimie*, 8(5), (2017) 1040-1043, ISSN 2537-5733 (F.I.= 1.2)
10. C. Lete, D. Berger, **C. Matei**, S. Lupu, Electrochemical and microgravimetric studies of poly[3,4-ethylenedioxythiophene]-tyrosinase biocomposite material electrodeposited onto gold electrodes by a sinusoidal voltages method, *Journal of Solid State Electrochemistry*, 20(11) (2016) 3043-3051, ISSN: 1432-8488 (F.I.=2.316)
11. R.-A. Mitran, M.-C. Radulescu, L. Buhalteanu, L.C. Tanase, D.G. Dumitrescu, **C. Matei**, Formation of pure-phase W_2C nanoparticles through carbothermal reduction in the presence of Pd(0) nanoparticles, *Journal of Alloys and Compounds*, 682 (2016) 679-685, ISSN 1387-1811 (F.I.=3.133)
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13. D. Berger, S. Nastase, R.A. Mitran, M. Petrescu, E. Vasile, **C. Matei**, T. Negreanu-Pirjol, Mesoporous silica and aluminosilicate carriers for oxytetracycline delivery systems, *International Journal of Pharmaceutics*, 510(2), (2016) 524-531, ISSN: 0378-5173, (FI=3.649)
 14. R.-A. Mitran, D Berger, C Munteanu, **C Matei***, Evaluation of Different Mesoporous Silica Supports for Energy Storage in Shape-Stabilized Phase Change Materials with Dual Thermal Responses, *The Journal of Physical Chemistry C* 119 (27), (2015) 15177-15184 (IF=4.536).
 15. D. Berger, L. Bajenaru, S. Nastase, R.A. Mitran, C. Munteanu, **C. Matei**, Influence of structural, textural and surface properties of mesoporous silica and aluminosilicate carriers on aminoglycoside uptake and in vitro delivery, *Micropor. Mesopor. Materi.* 206 (2015) 150-160 ISSN 1387-1811 (F.I.=3.615)
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 21. **C. Matei**, C.I. Covaliu, B.S. Vasile, D. Berger, Synthesis of ceria nanoparticles with controlled morphology, *Revista Romana de Materiale / Romanian Journal of Materials*, 44(1), 2014 74-78; ISSN 1583-3186; FI=0.560
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