

International Conferences and Patents

POLYSULFONE-FUNCTIONALIZED MULTIWALLED CARBON NANOTUBES COMPOSITE MEMBRANES FOR POTENTIAL SENSING APPLICATIONS, Trisca-Rusu, C (Trisca-Rusu, C.)[1] ; Nechifor, AC (Nechifor, A. C.)[1] ; Mihai, S (Mihai, S.); Parvu, C (Parvu, C.)[1] ; Voicu, SI (Voicu, S. I.)[1] ; **Nechifor, G (Nechifor, G.)** [1], Book Group Author(s):IEEE , CAS: 2009 INTERNATIONAL SEMICONDUCTOR CONFERENCE, VOLS 1 AND 2, PROCEEDINGS, Book Series: International Semiconductor Conference , Pages: 285-288, DOI: 10.1109/OPTIM.2008.4602389, Published: 2009 , WOS:000279558600053 , ISBN:978-1-4244-4413-7, ISSN: 1545-827X

POLYSULFONE-POLYPYRROLE IONIC CONDUCTIVE COMPOSITE MEMBRANES SYNTHESIZED BY PHASE INVERSION WITH CHEMICAL REACTION, Muscalu, C (Muscalu, C.)[1] ; David, R (David, R.)[1] ; Garea, SA (Garea, S. A.)[1] ; Nechifor, AC (Nechifor, A. C.)[1] ; Vaireanu, DI (Vaireanu, D. I.) [1] ; Voicu, SI (Voicu, S. I.)[1] ; **Nechifor, G (Nechifor, G.)**[1], Book Group Author(s):IEEE , CAS: 2009 INTERNATIONAL SEMICONDUCTOR CONFERENCE, VOLS 1 AND 2, PROCEEDINGS, Book Series: International Semiconductor Conference, Pages: 557-560, Published: 2009, WOS:000279558600117, ISBN:978-1-4244-4413-7, ISSN: 1545-827X ,

Covalent enzyme immobilization onto carbon nanotubes using a membrane reactor, Voicu, SI (Voicu, Stefan Ioan)[1] ; Nechifor, AC (Nechifor, Aurelia Cristina); Gales, O (Gales, Ovidiu)[1] ; **Nechifor, G (Nechifor, Gheorghe)**[1] , Edited by:RodriguezVazquez, AB; CarmonaGalan, RA; LinanCembrano, G; Adlung, R; Ronning, C., BIOELECTRONICS, BIOMEDICAL, AND BIOINSPIRED SYSTEMS V AND NANOTECHNOLOGY V , Book Series: Proceedings of SPIE, Volume: 8068 , Article Number: 80680Y, DOI: 10.1117/12.888780, Published: 2011, WOS:000292762700033, ISBN:978-0-81948-657-8, ISSN: 0277-786X

POLYSULFONE- DOPED POLYANILINE COMPOSITE MEMBRANES. SYNTHESIS AND ELECTROCHEMICAL CHARACTERISTICS, Voicu, SI (Voicu, S. I.)[1] ; Stanciu, ND (Stanciu, N. D.); Nechifor, AC (Nechifor, A. C.)[1] ; Vaireanu, DI (Vaireanu, D. I.)[1] ; **Nechifor, G (Nechifor, G.)**[1], Book Group Author(s):IEEE , CAS: 2008 INTERNATIONAL SEMICONDUCTOR CONFERENCE, PROCEEDINGS, Pages: 245-248 , Published: 2008, WOS:000267590800048 , ISBN:978-1-4244-2004-9

DEGRADATION OF TRICLOSAN FROM AQUEOUS SYSTEMS USING A PHOTOCATALYTIC MEMBRANE REACTOR , Constantin, LA (Constantin, Lucian-Alexandru)[1,2] ; Nitoi, I (Nitoi, Ines)[1] ; Batrinescu, G (Batrinescu, Gheorghe)[1] ; Cristea, I (Cristea, Ionut)[1] ; **Nechifor, G (Nechifor, Gheorghe)**[2] , Book Group Author(s):SGEM
ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION, VOL I , Book Series: International Multidisciplinary Scientific GeoConference-SGEM , Pages: 191-198 , Published: 2015 , WOS:000370813400025
ISBN:978-619-7105-39-1, ISSN: 1314-2704

CRITICAL ASPECTS IN GAS CHROMATOGRAPHY: LOW LEVEL DETECTION OF GAS IMPURITIES, Miricioiu, M (Miricioiu, Marius)[1,2] ; Niculescu, V (Niculescu, Violeta)[1] ; Zgavarogea, R (Zgavarogea, Ramona)[3] ; Petreanu, I (Petreanu, Irina)[1] ; **Nechifor, G (Nechifor, Gheorghe)**[2] , Book Group Author(s):SGEM , ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION, VOL II
Book Series: International Multidisciplinary Scientific GeoConference-SGEM , Pages: 126-130 , Published: 2015 , WOS:000370814500017
ISBN:978-619-7105-40-7, ISSN: 1314-2704

The Functionalization of Remaining Solvent in Polymeric Membrane Pores for Biomedical Applications , Voicu, SI (Voicu, S. I.)[1] ; Antoniac, I (Antoniac, I.)[1] ; Naftanaila, L (Naftanaila, L.)[1] ; **Nechifor, G (Nechifor, G.)**[1] , Edited by:Antoniac, I; Cotrut, CM; Antoniac, A ,

BIOMMED V, Book Series: Key Engineering Materials , Volume: 583
Pages: 87-90 , DOI: 10.4028/www.scientific.net/KEM.583.87
Published: 2014 , WOS:000336552600014 , ISSN: 1013-9826

IODIDE REMOVAL WITH MEMBRANE CONTACTORS FROM WELLS WATER , Craciun, ME (Craciun, Mihaela Emanuela)[1] ; **Nechifor, G (Nechifor, Gheorghe)** [1] , Book Group Author(s):SGEM

12TH INTERNATIONAL MULTIDISCIPLINARY SCIENTIFIC GEOCONFERENCE, SGEM 2012, VOL. III , Book Series: International Multidisciplinary Scientific GeoConference-SGEM , Pages: 487-490 , Published: 2012 , WOS:000348533800065 , ISSN: 1314-2704

PHOTOCATALYTIC MEMBRANE SYSTEM: OBTAINING PROCEDURE AND ENVIRONMENTAL APPLICATION

:Orbeci, C (Orbeci, Cristina)[1] ; **Nechifor, G (Nechifor, Gheorghe)**[1] ; Untea, I (Untea, Ion)[1] , Book Group Author(s):IEEE

2012 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS), VOLS 1 AND 2 , Book Series: International Semiconductor Conference
Volume: 2 , Pages: 317-320 , Published: 2012 , WOS:000314223700063
ISBN:978-1-4673-0736-9, ISSN: 1545-827X

PHOTO-CATALYTIC OXIDATION OF 4-CHLOROPHENOL USING TiO₂-FUNCTIONALIZED MEMBRANES, By:Orbeci, C (Orbeci, Cristina)[1] ; **Nechifor, G (Nechifor, Gheorghe)**; Untea, I (Untea, Ion)[1] , Book Group Author(s):IEEE
Electron Devices Society , 2011 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS 2011), 34TH EDITION, VOLS 1 AND 2 , Book Series: International Semiconductor Conference , Pages: 23-26, Published: 2011 , WOS:000320322000004 , ISBN:978-1-61284-171-7, ISSN: 1545-827X

IONIC CONDUCTIVE SILICA-POLYPYRROLE COMPOSITES OBTAINED BY IN-SITU POLYMERIZATION , Baicea, C (Baicea, C.)[1] ; Ivan, A (Ivan, A.)[1] ; Trisca-Rusu, C (Trisca-Rusu, C.)[1,2] ; Nechifor, AC (Nechifor, A. C.)[1] ; Vaireanu, DI (Vaireanu, D. I.)[1] ; Voicu, SI (Voicu, S. I.)[1] ; **Nechifor, G (Nechifor, G.)**[1] , Book Group Author(s):IEEE , 2010 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS), VOLS 1 AND 2 , Book Series: International Semiconductor Conference , Pages: 359-362 , Published: 2010 , WOS:000371396100072 , ISBN:978-1-4244-5781-6, ISSN: 1545-827X

INVERTASE IMMOBILIZATION ONTO DISPERSED MAGNETIC PARTICLES. SYNTHESIS AND CHARACTERIZATION, Luntraru, VI (Luntraru, V. I.)[1] ; Danciulescu, V (Danciulescu, V.)[1] ; Nechifor, AC (Nechifor, A. C.)[1] ; Voicu, SI (Voicu, S. I.)[1] ; **Nechifor, G (Nechifor, G.)**[1] , Book Group Author(s):IEEE , 2010 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS), VOLS 1 AND 2 , Book Series: International Semiconductor Conference , Pages: 309-312 , Published: 2010 , WOS:000371396100060 , ISBN:978-1-4244-5781-6, ISSN: 1545-827X

NEW METHOD FOR TiO₂ COVALENT-IONIC FUNCTIONALIZATION WITH DIFFERENT MOLECULES FOR INDUCED PROPERTIES , Sava, S (Sava, S.)[1] ; Iarca, L (Iarca, L.)[1] ; Trisca-Rusu, C (Trisca-Rusu, C.)[1,2] ; Nechifor, AC (Nechifor, A. C.)[1] ; Voicu, SI (Voicu, S. I.)[1] ; **Nechifor, G (Nechifor, G.)**[1] Book Group Author(s):IEEE , 2010 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS), VOLS 1 AND 2 , Book Series: International Semiconductor Conference , Pages: 321-324, Published: 2010 , WOS:000371396100063, ISBN:978-1-4244-5781-6, ISSN: 1545-827X

COVALENTLY IMMOBILIZED CROWN ETHERS ONTO POLYSULFONE MEMBRANES AS MATERIALS FOR SENSORS , Trisca-Rusu, C (Trisca-Rusu, C.) [1,2] ; Nechifor, AC (Nechifor, A. C.)[2] ; Voicu, SI (Voicu, S. I.)[2] ; **Nechifor, G (Nechifor, G.)**[2] , Book Group Author(s):IEEE, 2010 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS), VOLS 1 AND 2 , Book Series: International Semiconductor Conference , Pages: 205-208 , Published: 2010 , WOS:000371396100036 , ISBN:978-1-4244-5781-6, ISSN: 1545-827X

Calixarene-doped polyaniline for applications in sensing , Serban, B (Serban, B.); Bercu, M (Bercu, M.); Voicu, S (Voicu, S.); Mihaila, M (Mihaila, M.); **Nechifor, G (Nechifor, Gh.)**; Cobianu, C (Cobianu, C.), Book Group Author(s):IEEE , 2006 INTERNATIONAL SEMICONDUCTOR CONFERENCE, VOLS 1 AND 2 , Pages: 257-260, Published: 2007 , WOS:000243090700052 , ISBN:1-4244-0109-7

Silicon hillocks elimination using a complexant redox alkaline system , Moldovan, C (Moldovan, C); Iosub, R (Iosub, R); Dascalu, D (Dascalu, D); **Nechifor, G (Nechifor, G)**; Danila, C (Danila, C), Edited by:Courtois, B; Crary, SB; Ehrfeld, W; Fujita, H; Karam, JM; Markus, K , DESIGN, TEST, AND MICROFABRICATION OF MEMS AND MOEMS, PTS 1 AND 2, Book Series: PROCEEDINGS OF THE SOCIETY OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS (SPIE) , Volume: 3680 Pages: 1056-1067 , Part: 1&2 , DOI: 10.1117/12.341176 , Published: 1999 , WOS:000082111700119 , ISBN:0-8194-3154-0, ISSN: 0277-786X

The mechanism of anisotropic etching of silicon in a complexant alkaline system , Moldovan, C (Moldovan, C); Iosub, R (Iosub, R); **Nechifor, G (Nechifor, G)**; Dascalu, D (Dascalu, D); Craciunoiu, F (Craciunoiu, F); Serban, B (Serban, B), Book Group Author(s):IEEE; IEEE,CAS'98 PROCEEDINGS - 1998 INTERNATIONAL SEMICONDUCTOR CONFERENCE, 21ST EDITION, VOLS 1 AND 2 , Pages: 353-356

Published: 1998 , WOS:000078772400068, ISBN:0-7803-4432-4

Anisotropic etching of silicon in a complexant redox alkaline system, Moldovan, C (Moldovan, C); Iosub, R (Iosub, R); Dascalu, D (Dascalu, D); **Nechifor, G (Nechifor, G)**, Edited by:White, NM , EUROSENSORS XII, VOLS 1 AND 2, Book Series: SENSORS SERIES , Pages: 1009-1012 , Published: 1998 , WOS:000077311200245 , ISBN:0-7503-0536-3

. The multichannel microprobe for recording/stimulation of neural/muscular activity, CMOS technology compatible,:Moldovan, C (Moldovan, C); Iosub, R (Iosub, R); **Nechifor, G (Nechifor, G)**; Radu, C (Radu, C); Bogdan, D (Bogdan, D); Flueraru, C (Flueraru, C); Cernica, I (Cernica, I); Vasilco, R (Vasilco, R); Dinoiu, I (Dinoiu, I), Book Group Author(s):NATL INST RES & DEV MICROTECHNOL, BUCHAREST, ROMANIA; NATL INST RES & DEV MICROTECHNOL, BUCHAREST, ROMANIA , CAS '97 PROCEEDINGS - 1997 INTERNATIONAL SEMICONDUCTOR CONFERENCE, 20TH EDITION, VOLS 1 AND 2, Pages: 533-536, Published: 1997 ,WOS:000072168800106 , ISBN:0-7803-3804-9

Colloid ultrafiltration with polysulfone membrane, Popescu, G (Popescu, G); Albu, BG (Albu, BG); Dumitrescu, G (Dumitrescu, G); Moise, L (Moise, L); **Nechifor, G (Nechifor, G)**, Book Group , Author(s):HUNGARIAN CHEM SOC , 7TH WORLD FILTRATION CONGRESS, PROCEEDINGS, VOLS I AND II , Pages: 880-884 Published: 1996 , WOS:A1996BG63S00167

DYNAMIC MEMBRANES FOR CATALYTIC REACTION, **NECHIFOR, G (NECHIFOR, G)**; OLTEANU, M (OLTEANU, M); POPESCU, G (POPESCU, G); PIRVULESCU, V (PIRVULESCU, V)

Edited by:BURGGRAAFF, AJ; CHARPIN, J; COT, L,INORGANIC MEMBRANES : ICIM2-91 , Pages: 443-448 , Published: 1991, WOS:A1991BW45D00071 , ISBN:0-87849-625-4

Romanian Patents

Photo-catalytic system for advanced sewage treatment consists of immersing a glass fiber support of the layered network type activated with sodium hydroxide solution

Patent Number(s): RO128097-A0 ; RO128097-B1

Inventor(s): ORBECI C, UNTEA I, NECHIFOR G

Patent Assignee Name(s) and Code(s): ORBECI C(ORBE-Individual)

UNTEA I(UNTE-Individual)

NECHIFOR G(NECH-Individual)

Derwent Primary Accession Number: 2013-C64022 [52]

Process for preparing polymeric membrane for microfiltration and ultrafiltration of organic solvents

Patent Number(s): RO125959-A0

Inventor(s): ALDEA F, VOICU S I, NECHIFOR A C, NECHIFOR G

Patent Assignee Name(s) and Code(s): ALDEA F(ALDE-Individual)

VOICU S I(VOIC-Individual)

NECHIFOR A C(NECH-Individual)

NECHIFOR G(NECH-Individual)

Derwent Primary Accession Number: 2011-B55921 [01]

PHOTO-FENTON PROCESS MODIFIED BY IN-SITU GENERATION OF FE²⁺ CATALYST FOR ADVANCED OXIDATION OF THE ORGANIC COMPOUNDS IN WASTE WATER

Patent Number(s): RO126662-A0 ; RO126662-B1

Inventor(s): ORBECI C, UNTEA I, NECHIFOR G

Patent Assignee Name(s) and Code(s): ORBECI C(ORBE-Individual)

UNTEA I(UNTE-Individual)

NECHIFOR G(NECH-Individual)

Derwent Primary Accession Number: 2011-Q12823 [52]

POLYMER MEMBRANES CONTAINING ENZYMES COVALENTLY IMMOBILIZED ON MOLECULARLY IMPRINTED POLYMERS AND PROCESS FOR PREPARING THE SAME

Patent Number(s): RO123276-B1

Inventor(s): UDREA I, SARBU A, NECHIFOR G, RADU G L, BEDA M, SARBU L, NEATA M, MIHALACHE N

Patent Assignee Name(s) and Code(s): UNIV DIN BUCURESTI (UYBU-Non-standard)

Derwent Primary Accession Number: 2011-G57059 [04]

PROCESS FOR PREPARING NEW CALIXARENE DERIVATIVES WITH MIXED IONOPHORE GROUPS, TO BE USED IN EXTRACTING METALLIC IONS OF TECHNOLOGIC INTEREST

Patent Number(s): RO125529-A2 ; RO125529-B1

Inventor(s): NECHIFOR G, POPOVICI E J, POPOVICI N, SAPONAR A, SILAGHI D I, POPOVICI E

Patent Assignee Name(s) and Code(s): UNIV CLUJ-NAPOCA BABES-BOLYAI (UYCL-Non-standard)

UNIV BABES-BOLYAI INST CERC IN CHIM RALU (UYBA-Non-standard)

Derwent Primary Accession Number: 2010-J60044 [30]

Prepn. of polysulphone asymmetric microporous membranes for filtration - by casting solution of polymer in dimethylformamide onto support and rinsing formed film in ethanol

Patent Number(s): RO111548-B1

Inventor(s): LUCA N, NECHIFOR A, RADULESCU T, NECHIFOR G, COMAN T

Patent Assignee Name(s) and Code(s): CENT CERC MATERIALE
MACROMOLECULARE MEMB (MATE-Non-standard)

Derwent Primary Accession Number: 1997-279228 []

Liquid membrane based gas and liquids mixture separator - consists of magnetite etc. particles membrane prepared in a relatively short time and adjustable

Patent Number(s): RO110407-B1

Inventor(s): NECHIFOR A, NECHIFOR G, PINTILESCU G, PISO M, TUTOS E

Patent Assignee Name(s) and Code(s): CENT CERC MATERIALE
MACROMOLECULARE MEMB (MATE-Non-standard)

Derwent Primary Accession Number: 1996-400152 []

Cleaner for waste water contg. aromatic derivs. giving repeated cleaning - includes disperser for emulsifying which is connected to line housing static turbulence promoters whence the waste is passed into settler

Patent Number(s): RO108420-B1

Inventor(s): NECHIFOR A M, NECHIFOR G, PORDEA V, POPESCU G

Patent Assignee Name(s) and Code(s): SC CENT CERC MATERIALE
MACROMOLECULARE (MATE-Non-standard)

Derwent Primary Accession Number: 1996-228420 []

Prepn. of microporous filter membranes - from cyclohexanone solns. of poly:sulphone(s) with added sulphonated-polysulphone, poly:phenyl-oxide and -polycarbonate

Patent Number(s): RO104656-B ; RO104656-A

Inventor(s): NECHIFOR A, POPESCU G, NECHIFOR G, GASPAR T, LUPUTIU M, LUCA N

Patent Assignee Name(s) and Code(s): INTRE ELECTROBANAT (ELEC-Non-standard)

INST CERC CHIM CENT CHIM-FIZICA (CHCH-Non-standard)

Derwent Primary Accession Number: 1993-262809 [50]

Prod. of membrane for mol. level sepn. - consists of prepn. of polyphenylene oxide soln. in polar solvents for coagulation

Patent Number(s): RO103258-A

Inventor(s): NECHIFOR G, POPESCU G, LUCA N, IONESCU M, MINIS B, RADULESCU T

Patent Assignee Name(s) and Code(s): INST CERC CHIM BUCURESTI (CHBU-Non-standard)

INST CERC CHIM CENT CHIM-FIZICA (CHCH-Non-standard)

Derwent Primary Accession Number: 1993-247863 []

Prepn. of microfiltration polymer membranes - by producing ether! sulphone soln. for film forming, and coagulation

Patent Number(s): RO103257-A

Inventor(s): NECHIFOR G, POPESCU G, LUCA N, IOSIF I, RADULESCU T, POBORAN A, STAN P

Patent Assignee Name(s) and Code(s): INST CERC CHIM BUCURESTI (CHBU-Non-standard)

INST CERC CHIM CENT CHIM-FIZICA (CHCH-Non-standard)

Derwent Primary Accession Number: 1993-247862 []

Prepn. of polyether-sulphone based ultrafiltration membrane filters - films are prepd. from polar aprotic solvent soln., and are then coagulated in a bath contg. oxygenated derivs.

Patent Number(s): RO101420-A

Inventor(s): NECHIFOR G, POPESCU G, BURLACU C, OLARU C, BUTUC E, ALBU G B, IOSIF I, NECHIFOR A M

Patent Assignee Name(s) and Code(s): VISCOFIL BUCURESTI INTR (VISC-Non-standard)

INST CERC CHIM CENT CHIM-FIZICA (CHCH-Non-standard)

Derwent Primary Accession Number: 1992-413185 []

Retarder additive for borehole cement paste - consists of specified wt. ratio of ammonium ligno:sulphonate and carboxy methyl hydroxy ethyl cellulose

Patent Number(s): RO100926-A

Inventor(s): POPESCU G, PIVNIC D, ALECU C, BURLACU C, OLARU C, NECHIFOR G, CIOBANU V

Patent Assignee Name(s) and Code(s): VISCOFIL FIBRE (VISC-Non-standard)

INST CHIM CHIMIE FIZICA (CHCH-Non-standard)

Derwent Primary Accession Number: 1992-148187 []