

# UNIVERSITATEA POLITEHNICA DIN BUCUREŞTI

## FIŞA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE PREZENTARE LA CONCURS - OBȚINEREA ATESTATULUI DE ABILITARE - DOMENIUL INGINERIA MEDIULUI

Candidat: **ORBECI CRISTINA**

Departamentul de Chimie Analitică și Ingineria Mediului/Facultatea de Chimie Aplicată și Știința Materialelor

Condiții	Îndeplinire condiții	
A. Doctor	Diploma de Doctor Nr. 228, în domeniul Inginerie chimică, din 22.08.2005 emisa de Universitatea POLITEHNICA din București în baza OMEC 4802 din 15 august 2005	
B. Îndeplinirea standardelor minimale necesare și obligatorii pentru conferirea calității de conducător de doctorat și a atestatului de abilitare conform OMENCS nr. 6129/2016; Comisia CNATDCU nr. 18	Standarde îndeplinite, conform Comisiei CNATDCU Nr. 18, Ingineria mediului Anexată: Fișă de calcul și de susținere a îndeplinirii standardelor minimale specifice domeniului, în acord cu realizările menționate	
Standarde minime necesare și obligatorii	Minim prevăzut	Realizat
Număr total de articole în reviste ISI, NT	NT≥25	29
Număr total de articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență), NP Număr lucrări în reviste cu FI >1, NP (cu FIC>1)	NP≥10 NP (cu FIC>1) ≥ 6	17 15
Factor de impact cumulate, FIC (articole în reviste cotate ISI+brevete)	FIC≥20	29,2253
Număr total de citări, (din baza ISI Web of Science) NC	NC≥100	142
C. Atestarea studiilor (diploma + Foi Matricole) și a altor realizări profesionale	<ul style="list-style-type: none"> <li>• Diplomă de licență Nr. 1168 din 05.11.1998, emisă de Universitatea POLITEHNICA din București; Foaia Matricolă seria R, nr. 0004543/1998; Diplomă de șef de promoție</li> <li>• Diplomă Studii Aprofundate Nr. 968 din 09.09.1999, emisă de Universitatea POLITEHNICA din București; Foaia Matricolă seria D, nr. 228/ 27.09.1999</li> <li>• Alte Diplome: Diplomă de studii post-doctorale, emisă de Universitatea POLITEHNICA din București</li> <li>• Alte Certificate: Certificat de absolvire studii psihopedagogice, nr. 249/02.04.1999, emis de Universitatea POLITEHNICA din București</li> </ul>	

Subsemnată **ORBECI N. Cristina**, Departamentul Chimie Analitică și Ingineria Mediului, Facultatea **Chimie Aplicată și Știința Materialelor**, candidată la concursul pentru obținerea atestatului de abilitare din Domeniul de Studii Universitare **Ingineria mediului** arondat Comisiei de Specialitate CNATDCU [OMENCS 6129/2016] Nr. 18-Ingineria mediului, declar pe propria răspundere, cunoscând prevederile art. 292 privind falsul în declarații, din Legea 286/2009 - Codul Penal, ca sunt îndeplinite toate Standardele minime prevăzute de OMENCS 6129/2016 și Metodologia UPB, în momentul înscrerii la concurs, și sustin veridicitatea informațiilor prezentate în dosar și în materialul de mai sus. Lucrarile considerate a fi incluse în Baza ISI Thomson Reuters sau în alte Baze de Date Internaționale [BDI] sunt vizibile în aceste baze, în dreptul numelui candidatului, la această dată.

**Candidat,**  
**ORBECI CRISTINA**

**Data**  
22.04.2019

**Concurs pentru OBȚINEREA ATESTATULUI DE ABILITARE**  
**ANEXA LA FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE PREZENTARE**  
**LA CONCURS PENTRU OBȚINEREA ATESTATULUI DE ABILITARE**  
**Număr total de articole în reviste ISI, NT**

**NUMĂR TOTAL DE ARTICOLE COTATE ISI (NT)**

(valabil la depunerea dosarului - aprilie 2019)

**Candidat: ORBECI Cristina**

Nr. crt.	Articol	FI (valabil la momentul depunerii dosarului - aprilie 2019)
1	I. Untea, <b>C. Orbeci</b> , E. Tudorache, V. Neagu, D. Turtoi - "The evaluation of characteristic parameters at the Cr(VI) retention of aqueous solutions by ion exchange in dynamic conditions on strong base anions, Revista de Chimie, 55(6), p.439-443, 2004, ISSN: 0034-7752, WOS: 000222753600015	1.412
2	D. Turtoi, G. Zăinescu, El. Tudorache, <b>C. Orbeci</b> , I. Untea, M. Belcu - "Chromium (III) separation from tannery wastewaters by partial freezing", Journal of the Society of Leather Technologists & Chemists, 88(4), p.150-153, 2004, ISSN: 0144-0322, WOS: 000223552500003	0.476
3	Violeta Neagu, I. Untea, Elena Tudorache, <b>Cristina Orbeci</b> - "Sorption equilibrium of Cr(VI) ions by strong base anion exchangers with pyridine structures", Journal of Applied Polymer Science, 93(4), p.1957-1963, 2004, ISSN: 0021-8995, WOS: 000222481500061	1.901
4	V. Neagu, I. Untea, E. Tudorache, <b>C. Orbeci</b> - „Etude thermodynamique concernant l'adsorption du phenol des solutions aqueuses sur copolymères styrène-divinylbenzene”, Revue Roumaine de Chimie, 52(4), p.431-435, 2007, ISSN: 0035-3930, WOS: 000250567300018	0.37
5	<b>Cristina Orbeci</b> , Ion Untea, Georgios Kopsiasftis - The influence of inorganic species on oxidative degradation of 4-chlorophenol by photo-Fenton type process, Revista de Chimie 59(9), p.952-955, 2008, ISSN: 0034-7752, WOS: 000260547200002	1.412
6	<b>Cristina Orbeci</b> , Ion Untea, Madelene Dancila, Daniela Simina Stefan - "Kinetics considerations concerning the oxidative degradation by photo-Fenton process of some antibiotics", Environmental Engineering and Management Journal, 9(1), p.1-5, 2010, ISSN: 1582-9596, WOS: 000275701800001	1.334
7	<b>Cristina Orbeci</b> , Ion Untea, Rodica Stanescu, Adina Elena Segneanu, Mihaela Emanuela Craciun - A new photo-Fenton procedure applied in oxidative degradation of organic compounds from wastewater, Environmental Engineering and Management Journal, 11 (1), p.141-146, 2012, ISSN: 1582-9596, WOS: 000301546400019	1.334

Nr. crt.	Articol	FI (valabil la momentul depunerii dosarului - aprilie 2019)
8	Aurelia Cristina Nechifor, Lucian Dănuț Ghindeanu, <b>Cristina Orbeci</b> , Octavian Dorca, Eugenia Eftimie Totu, Magnetite-polyethyleneglycol-cyanuric chloride reactive nanoparticles, Revista Română de Materiale/Romanian Journal of Materials, 2013, 43 (3), p.285-292, ISSN: 1583-3186, WOS:000324848100007	0.661
9	Mihaela Pascu (Neagu), Daniela-Elena Pascu, Gina Alina Traistaru, A. A. Bunaciu, <b>Cristina Orbeci</b> , Aurelia Cristina Nechifor, Kinetic Studies of Some Biological Active Extracts with Antioxidant Properties, Revista de Chimie, 64(8), 2013, p.785-790, ISSN 0034-7752, WOS: 000330329400001	1.412
10	Octavian Dorca, Piotr Szczepanski, Veronica Panait, Szidonia-Katalin Tanczos, Andreea Raducu, <b>Cristina Orbeci</b> , Transport and Separation of Zn(II)/Mn(II) in a MultimembraneHybrid System (MHS), Revista de Chimie, 64(9), 2013, p.946-950, ISSN: 0034-7752, WOS: 000326855900005	1.412
11	Cristiana Olteanu, Piotr Szczepanski, <b>Cristina Orbeci</b> , Carmen Georgiana Lica, Loreta Costache, Ioana Diaconu, Study of the Transport of Chromium, Manganese and Zinc through Bulk Liquid Membrane Using D2EHPA and Cyanex 301 as a Carrier, Revista de Chimie, 64(9), 2013, p.925-930, ISSN 0034-7752, WOS: 000326855900001	1.412
12	Ramona Balint, <b>Cristina Orbeci</b> , Gheorghe Nechifor, Marinela Plesca, Franco Ajmone-Marsan, Effect of redox conditions on the crystallinityof Fe oxides in soil, Revista de Chimie, 64 (11), 2013,p. 1218-1223, ISSN 0034-7752, WOS: 000328441600003	1.412
13	<b>C. Orbeci</b> , M. Totu, S. K. Tanczos, E. Vasile, A. Dinu, A. C. Nechifor, Preparation and properties of a photocatalyst with TiO <sub>2</sub> nanoparticles, Optoelectronics and Advanced Materials–Rapid Communications, 7(11-12), 2013, p. 822-827, ISSN 1842-6573, WOS: 000328253100003	0.386
14	<b>Cristina Orbeci</b> , Veronica Panait, Lacramiora Naftanaila, Octavian Dorca, Szidonia-Katalin Tanczos, Alexandra Raluca Miron, The study of protein recovery using molecular flotation and ultrafiltration, Revista de Chimie 64(12), 2013, p.1335-1339, ISSN 0034-7752, WOS: 000330914400004	1.412
15	Loreta Nicoleta Costache, Piotr Szczepanski, Cristiana Olteanu , Carmen Georgiana Lica , Sofia Teodorescu, <b>Cristina Orbeci</b> , Bulk Liquid Membrane Separation of Different Cations Using D2EHPA and Cyanex 302 as Carriers, Revista de Chimie, 65(1), 2014, p. 26-32, ISSN 0034-7752, WOS: 000334150300005	1.412
16	Mircea Segarceanu, Daniela Elena Pascu, Gina Alina Traistaru, Mihaela Pascu (Neagu), Sofia Teodorescu, <b>Cristina Orbeci</b> , Optimization of Membrane Processes with Polysulfone/Polyaniline Composite Membranes, Revista de Chimie, 65(1), 2014, p. 8-14, ISSN 0034-7752, WOS: 000334150300002	1.412

Nr. crt.	<b>Articol</b>	FI (valabil la momentul depunerii dosarului - aprilie 2019)
17	<b>Orbeci C.</b> , Untea I., Nechifor G., Segneanu A.E., Craciun M.E., Effect of a modified photo-Fenton procedure on the oxidative degradation of antibiotics in aqueous solutions, Separation and Purification Technology 122, 2014, p. 290-296, ISSN 1383-5866, WOS: 000331422800038	3.927
18	<b>Cristina Orbeci</b> , Gheorghe Nechifor, Rodica Stănescu, Removing toxic compounds from wastewater, Environmental Engineering and Management Journal, 13 (9), 2014, p. 2153-2158, ISSN: 1582-9596, WOS: 000347161400004	1.334
19	Raluca Isopescu, Mihaela Mihai, <b>Cristina Orbeci</b> , Dumitru Turtoi, Calcium Carbonate Precipitation through Carbon Dioxide Chemisorption from Flue Gas into Lime Suspension, Revista de Chimie 65 (12), 2014, p. 1490-1494, ISSN: 0034-7752, WOS: 000345946400019	1.412
20	Nechifor Aurelia Cristina, Abbas Abdul Kadhim Klaif Rikabi, Daniela Dumitra Clej, Szidonia Katalin Tanczos, Corneliu Trisca-Rusu, <b>Cristina Orbeci</b> , Synthesis of TiO <sub>2</sub> -Fe <sub>3</sub> O <sub>4</sub> composite nanoparticles for ampicillin and penicillin G photo-degradation, Revista Română de Matateriale/Romanian Journal of Materials, 45 (1), 2015, p.80-90, ISSN: 1583-3186, WOS: 000352755800011	0.661
21	<b>Orbeci C.</b> , Pascu L. F., Modrogean C., Degradation of Organic Compounds from Industrial Pharmaceutical Effluent Through Advanced Oxidation Processes, Revista de Chimie 66 (4), 2015, p. 482-486, ISSN: 0034-7752, WOS: 000354914500009	1.412
22	Lucian Constantin, Ines Nitoi, Ionut Cristea, Petruta Oancea, <b>Cristina Orbeci</b> , Aurelia Cristina Nechifor, Degradation of Triclosan by TiO <sub>2</sub> -UV Irradiation in Aqueous Solutions, Revista de Chimie 66 (5), 2015, p. 597-600, ISSN: 0034-7752, WOS:000355126000001	1.412
23	Abbas Abdul Kadhim Klaif Rikabi, Adriana Cuciureanu, Mariana Chelu, Alexandra Raluca Miron, <b>Cristina Orbeci</b> , Alexandru George Popa, Mihaela Emanuela Craciun, Proteins Ultrafiltration using Polysulfone-polyaniline and Polysulfone-magnetite Nanoparticles Composite Membranes, Revista de Chimie 66 (8), 2015, p.1093-1099, ISSN: 0034-7752, WOS:000361124600003	1.412
24	<b>Cristina Orbeci</b> , Cristina Modrogean, Annette Madelene Dăncilă, Degradation of pharmaceutical effluents by photo-assisted techniques, Revista de Chimie, 67 (1), 2016, p. 166-170, ISSN: 0034-7752, WOS:000369524300037	1.412
25	<b>Orbeci Cristina</b> , Stefan, Mircea, Dancila Annette Madelene, Tudose Mihai Silviu, Removal of Antibiotics from Wastewater Using Photocatalytic Membranes, Revista de Chimie, 67 (9 ) 1666-1668, 2016, p. 1666-1668, ISSN: 0034-7752, ISSN: 0034-7752, WOS:000385266600003	1.412

Nr. crt.	Articol	FI (valabil la momentul depunerii dosarului - aprilie 2019)
26	<b>Cristina Orbeci</b> , Rodica Stănescu, Viorica Pârvulescu, Daniela Negoescu, Synthesis, Characterization and Functionalisation of MCM-41 For Removal of Organic Compounds from Wastewaters, Environmental Engineering and Management Journal, 16 (3), 2017, p. 553-560, ISSN: 1582-9596, WOS:000403508600006	1.334
27	<b>Orbeci Cristina</b> , Parvulescu Oana Cristina, Acceleleanu Elena, Dobre Tanase, Effects of Process Factors on Carbon Dioxide Reforming of Methane over Ni/SBA-15 Catalyst, Revista de Chimie, 68 (10), 2017, p. 2325-2328, ISSN: 0034-7752, WOS:000416750000023	1.412
28	Orbulet Oanamari Daniela, Modrogean Cristina, <b>Orbeci Cristina</b> , Dancila Madelene Annette, Bobirica Constantin, Bobirica Liliana, Vasile Eugeniu, Influence of Sulfonation of Inert Macroporous and Macronet Resins on the SO <sub>2</sub> Adsorption Capacity, WATER AIR AND SOIL POLLUTION, 229 (12), 2018, p. 394-398, ISSN: 0049-6979, WOS:000451653000001	1.769
29	Alina Melinescu, <b>Cristina Rizea-Orbeci</b> , Maria Preda – Immobilization of lead ions in solutions by precipitation with calcium hydroxyapatite, Revista Română de Materiale/Romanian Journal of Materials 40 (3), p.237-241, 2010, ISSN: 1583-3186, WOS:000282120900007	0.661

NT = 29

Data: 22.04.2019

ORBECI Cristina

**Concurs pentru OBȚINEREA ATESTATULUI DE ABILITARE  
ANEXA LA FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR  
DE PREZENTARE LA CONCURS PENTRU OBȚINEREA**

**ATESTATULUI DE ABILITARE**

**Număr total de articole în  
reviste ISI la care candidatul este autor principal (prim autor sau autor de  
corespondență), NP**

**NUMĂR ARTICOLE ÎN REVISTE ISI CA AUTOR PRINCIPAL  
(PRIM AUTOR SAU AUTOR DE CORESPONDENȚĂ) (NP)**

(valabil la depunerea dosarului - aprilie 2019)

Candidat: ORBECI Cristina

Nr. crt.	Articol	Observații	FI (valabil la momentul depunerii dosarului - aprilie 2019)	FI > 1
1	<b>Cristina Orbeci</b> , Ion Untea, Georgios Kopsiaftis - The influence of inorganic species on oxidative degradation of 4-chlorophenol by photo-Fenton type process, Revista de Chimie 59(9), p.952-955, 2008, ISSN: 0034-7752, WOS: 000260547200002	prim autor și autor de corespondență	1.412	DA
2	<b>Cristina Orbeci</b> , Ion Untea, Madelene Dancila, Daniela Simina Stefan - "Kinetics considerations concerning the oxidative degradation by photo-Fenton process of some antibiotics", Environmental Engineering and Management Journal, 9(1), p.1-5, 2010, ISSN: 1582-9596, WOS: 000275701800001	prim autor	1.334	DA
3	<b>Cristina Orbeci</b> , Ion Untea, Rodica Stanescu, Adina Elena Segneanu, Mihaela Emanuela Craciun - A new photo-Fenton procedure applied in oxidative degradation of organic compounds from wastewater, Environmental Engineering and Management Journal, 11 (1), p.141-146, 2012, ISSN: 1582-9596, WOS: 000301546400019	prim autor	1.334	DA
4	Octavian Dorca, Piotr Szczepanski, Veronica Ionela Panait, Szidonia-Katalin Tanczos, Andreea Raducu, <b>Cristina Orbeci</b> , Transport and Separation of Zn(II)/Mn(II) in a Multimembrane Hybrid System (MHS), Revista de Chimie, 64(9), 2013, p.946-950, ISSN: 0034-7752, WOS: 000326855900005	autor de corespondență	1.412	DA

## Anexa 3.b.

5	Ramona Balint, <b>Cristina Orbeci</b> , Gheorghe Nechifor, Marinela Plesca, Franco Ajmone-Marsan, Effect of redox conditions on the crystallinity of Fe oxides in soil, Revista de Chimie, 64 (11), 2013, p. 1218-1223, ISSN 0034-7752, WOS: 000328441600003	autor de corespondență	1.412	DA
6	<b>C. Orbeci</b> , M. Totu, S. K. Tanczos, E. Vasile, A. Dinu, A. C. Nechifor, Preparation and properties of a photocatalyst with TiO <sub>2</sub> nanoparticles, Optoelectronics and Advanced Materials—Rapid Communications, 7(11-12), 2013, p. 822-827, ISSN 1842-6573, WOS: 000328253100003	prim autor	0.386	NU
7	<b>Cristina Orbeci</b> , Veronica Panait, Lacramiora Naftanaila, Octavian Dorca, Szidonia-Katalin Tanczos, Alexandra Raluca Miron, The study of protein recovery using molecular flotation and ultrafiltration, Revista de Chimie 64(12), 2013, p.1335-1339, ISSN 0034-7752, WOS: 000330914400004	prim autor	1.412	DA
8	Loreta Nicoleta Costache, Piotr Szczepanski, Cristiana Olteanu , Carmen Georgiana Lica , Sofia Teodorescu, <b>Cristina Orbeci</b> , Bulk Liquid Membrane Separation of Different Cations Using D2EHPA and Cyanex 302 as Carriers, Revista de Chimie, 65(1), 2014, p. 26-32, ISSN 0034-7752, WOS: 000334150300005	autor de corespondență	1.412	DA
9	Mircea Segarceanu, Daniela Elena Pascu, Gina Alina Traistaru, Mihaela Pascu (Neagu), Sofia Teodorescu, <b>Cristina Orbeci</b> , Optimization of Membrane Processes with Polysulfone/Polyaniline Composite Membranes, Revista de Chimie, 65(1), 2014, p. 8-14, ISSN 0034-7752, WOS: 000334150300002	autor de corespondență	1.412	DA
10	<b>Orbeci C.</b> , Untea I., Nechifor G., Segneanu A.E., Craciun M.E., Effect of a modified photo-Fenton procedure on the oxidative degradation of antibiotics in aqueous solutions, Separation and Purification Technology 122, 2014, p. 290-296, ISSN 1383-5866, WOS: 000331422800038	prim autor si autor de corespondență	3.927	DA
11	<b>Cristina Orbeci</b> , Gheorghe Nechifor, Rodica Stănescu, Removing toxic compounds from wastewater, Environmental Engineering and Management Journal, 13 (9), 2014, p. 2153-2158, ISSN: 1582-9596, WOS: 000347161400004	prim autor si autor de corespondență	1.334	DA

## Anexa 3.b.

12	Nechifor Aurelia Cristina, Abbas Abdul Kadhim Klaif Rikabi, Daniela Dumitra Clej, Szidonia Katalin Tanczos, Corneliu Trisca-Rusu, <b>Cristina Orbeci</b> , Synthesis of TiO <sub>2</sub> -Fe <sub>3</sub> O <sub>4</sub> composite nanoparticles for ampicillin and penicillin G photo-degradation, Revista Română de Matăteriale/Romanian Journal of Materials, 45 (1), 2015, p.80-90, ISSN: 1583-3186, WOS: 000352755800011	autor de corespondență	0.661	NU
13	<b>Orbeci C.</b> , Pascu L. F., Modrogean C., Degradation of Organic Compounds from Industrial Pharmaceutical Effluent Through Advanced Oxidation Processes, Revista de Chimie 66 (4), 2015, p. 482-486, ISSN: 0034-7752, WOS: 000354914500009	prim autor	1.412	DA
14	<b>Cristina Orbeci</b> , Cristina Modrogean, Annette Madelene Dăncilă, Degradation of pharmaceutical effluents by photo-assisted techniques, Revista de Chimie, 67 (1), 2016, p. 166-170, ISSN: 0034-7752, WOS:000369524300037	prim autor	1.412	DA
15	<b>Orbeci Cristina</b> , Stefan, Mircea, Dancila Annette Madelene, Tudose Mihai Silviu, Removal of Antibiotics from Wastewater Using Photocatalytic Membranes, Revista de Chimie, 67 (9) 1666-1668, 2016, p. 1666-1668, ISSN: 0034-7752, ISSN: 0034-7752, WOS:000385266600003	prim autor	1.412	DA
16	<b>Cristina Orbeci</b> , Rodica Stănescu, Viorica Pârvulescu, Daniela Negoeșcu, Synthesis, Characterization and Functionalisation of MCM-41 For Removal of Organic Compounds from Wastewaters, Environmental Engineering and Management Journal, 16 (3), 2017, p. 553-560, ISSN: 1582-9596, WOS:000403508600006	prim autor si autor de corespondență	1.334	DA
17	<b>Orbeci Cristina</b> , Parvulescu Oana Cristina, Acceleau Elena, Dobre Tanase, Effects of Process Factors on Carbon Dioxide Reforming of Methane over Ni/SBA-15 Catalyst, Revista de Chimie, 68 (10), 2017, p. 2325-2328, ISSN: 0034-7752, WOS:000416750000023	prim autor	1.412	DA

NP = 17 (din care 15 cu FI &gt; 1)

Data: 22.04.2019

ORBEI Cristina

**Concurs pentru OBȚINEREA ATESTATULUI DE ABILITARE**  
**ANEXA LA FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE**  
**PREZENTARE LA CONCURS PENTRU OBȚINEREA ATESTATULUI DE ABILITARE**  
**Factor de impact cumulat, FIC**

**FIȘĂ DE CALCUL A FACTORULUI DE IMPACT (FIC)**

(valabil la depunerea dosarului - aprilie 2019)

**Candidat: ORBEI Cristina**

Nr. crt.	Articol	FI (valabil la momentul 1 depunerii dosarului - aprilie 2019)	Autor principal (prim autor sau autor de corespon- dență)	Nr. autori	FI /Nr. autori
1	I. Untea, <b>C. Orbeci</b> , E. Tudorache, V. Neagu, D. Turtoi - "The evaluation of characteristic parameters at the Cr(VI) retention of aqueous solutions by ion exchange in dynamic conditions on strong base anions, Revista de Chimie, 55(6), p.439-443, 2004, ISSN: 0034-7752, WOS: 000222753600015	1.412	NU	5	0.2824
2	D. Turtoi, G. Zăinescu, El. Tudorache, <b>C. Orbeci</b> , I. Untea, M. Belcu - "Chromium (III) separation from tannery wastewaters by partial freezing", Journal of the Society of Leather Technologists & Chemists, 88(4), p.150-153, 2004, ISSN: 0144-0322, WOS: 000223552500003	0.476	NU	6	0.0793
3	Violeta Neagu, I. Untea, Elena Tudorache, <b>Cristina Orbeci</b> - "Sorption equilibrium of Cr(VI) ions by strong base anion exchangers with pyridine structures", Journal of Applied Polymer Science, 93(4), p.1957-1963, 2004, ISSN: 0021-8995, WOS: 000222481500061	1.901	NU	4	0.4753

## Anexa 3.c.

Nr. crt.	Articol	FI (valabil la momentul 1 de punerii dosarului - aprilie 2019)	Autor principal (prim autor sau autor de corespon- dență)	Nr. autori	FI /Nr. autori
4	V. Neagu, I. Untea, E. Tudorache, <b>C. Orbeci</b> – „Etude thermodinamique concernant l'adsorption du phenol des solutions aqueuses sur copolymeres styrene-divinylbenzene”, Revue Roumaine de Chimie, 52(4), p.431-435, 2007, ISSN: 0035-3930, WOS: 000250567300018	0.37	NU	4	0.0925
5	<b>Cristina Orbeci</b> , Ion Untea, Georgios Kopsiaftis - The influence of inorganic species on oxidative degradation of 4-chlorophenol by photo-Fenton type process, Revista de Chimie 59(9), p.952-955, 2008, ISSN: 0034-7752, WOS: 000260547200002	1.412	DA	3	1.4120
6	<b>Cristina Orbeci</b> , Ion Untea, Madelene Dancila, Daniela Simina Stefan - "Kinetics considerations concerning the oxidative degradation by photo-Fenton process of some antibiotics", Environmental Engineering and Management Journal, 9(1), p.1-5, 2010, ISSN: 1582-9596, WOS: 000275701800001	1.334	DA	4	1.3340
7	<b>Cristina Orbeci</b> , Ion Untea, Rodica Stanescu, Adina Elena Segneanu, Mihaela Emanuela Craciun - A new photo-Fenton procedure applied in oxidative degradation of organic compounds from wastewater, Environmental Engineering and Management Journal, 11 (1), p.141-146, 2012, ISSN: 1582-9596, WOS: 000301546400019	1.334	DA	5	1.3340
8	Aurelia Cristina Nechifor, Lucian Dănuț Ghindeanu, <b>Cristina Orbeci</b> , Octavian Dorca, Eugenia Eftimie Totu, Magnetite-polyethyleneglycol-cyanuric chloride reactive nanoparticles, Revista Română de Materiale/Romanian Journal of Materials, 2013, 43 (3), p.285-292, ISSN: 1583-3186, WOS:000324848100007	0.661	NU	5	0.1322

Nr. crt.	Articol	FI (valabil la momentul 1 de punerii dosarului - aprilie 2019)	Autor principal (prim autor sau autor de corespon- dență)	Nr. autori	FI /Nr. autori
9	Mihaela Pascu (Neagu), Daniela-Elena Pascu, Gina Alina Traistaru, A. A. Bunaciu, <b>Cristina Orbeci</b> , Aurelia Cristina Nechifor, Kinetic Studies of Some Biological Active Extracts with Antioxidant Properties, Revista de Chimie, 64(8), 2013, p.785-790, ISSN 0034-7752, WOS: 000330329400001	1.412	NU	6	0.2353
10	Octavian Dorca, Piotr Szczepanski, Veronica Ionela Panait, Szidonia-Katalin Tanczos, Andreea Raducu, <b>Cristina Orbeci</b> , Transport and Separation of Zn(II)/Mn(II) in a Multimembrane Hybrid System (MHS), Revista de Chimie, 64(9), 2013, p.946-950, ISSN: 0034-7752, WOS: 000326855900005	1.412	NU	6	0.4120
11	Cristiana Olteanu, Piotr Szczepanski, <b>Cristina Orbeci</b> , Carmen Georgiana Lica, Loreta Costache, Ioana Diaconu, Study of the Transport of Chromium, Manganese and Zinc through Bulk Liquid Membrane Using D2EHPA and Cyanex 301 as a Carrier, Revista de Chimie, 64(9), 2013, p.925-930, ISSN 0034-7752, WOS: 000326855900001	1.412	NU	6	0.2353
12	Ramona Balint, <b>Cristina Orbeci</b> , Gheorghe Nechifor, Marinela Plesca, Franco Ajmone-Marsan, Effect of redox conditions on the crystallinity of Fe oxides in soil, Revista de Chimie, 64 (11), 2013, p. 1218-1223, ISSN 0034-7752, WOS: 000328441600003	1.412	DA	5	1.4120
13	<b>C. Orbeci</b> , M. Totu, S. K. Tanczos, E. Vasile, A. Dinu, A. C. Nechifor, Preparation and properties of a photocatalyst with TiO <sub>2</sub> nanoparticles, Optoelectronics and Advanced Materials—Rapid Communications, 7(11-12), 2013, p. 822-827, ISSN 1842-6573, WOS: 000328253100003	0.386	DA	6	0.3860
14	<b>Cristina Orbeci</b> , Veronica Panait, Lacramiora Naftanaila, Octavian Dorca, Szidonia-Katalin Tanczos, Alexandra Raluca Miron, The study of protein recovery using molecular flotation and ultrafiltration, Revista de Chimie 64(12), 2013, p.1335-1339, ISSN 0034-7752, WOS: 000330914400004	1.412	DA	6	1.4120

## Anexa 3.c.

Nr. crt.	Articol	FI (valabil la momentul 1 de punerii dosarului - aprilie 2019)	Autor principal (prim autor sau autor de corespon- dență)	Nr. autori	FI /Nr. autori
15	Loreta Nicoleta Costache, Piotr Szczepanski, Cristiana Olteanu , Carmen Georgiana Lica , Sofia Teodorescu, <b>Cristina Orbeci</b> , Bulk Liquid Membrane Separation of Different Cations Using D2EHPA and Cyanex 302 as Carriers, Revista de Chimie, 65(1), 2014, p. 26-32, ISSN 0034-7752, WOS: 000334150300005	1.412	DA	6	1.4120
16	Mircea Segarceanu, Daniela Elena Pascu, Gina Alina Traistaru, Mihaela Pascu (Neagu), Sofia Teodorescu, <b>Cristina Orbeci</b> , Optimization of Membrane Processes with Polysulfone/Polyaniline Composite Membranes, Revista de Chimie, 65(1), 2014, p. 8-14, ISSN 0034-7752, WOS: 000334150300002	1.412	DA	6	1.4120
17	<b>Orbeci C.</b> , Untea I., Nechifor G., Segneanu A.E., Craciun M.E., Effect of a modified photo-Fenton procedure on the oxidative degradation of antibiotics in aqueous solutions, Separation and Purification Technology 122, 2014, p. 290-296, ISSN 1383-5866, WOS: 000331422800038	3.927	DA	5	3.9270
18	<b>Cristina Orbeci</b> , Gheorghe Nechifor, Rodica Stănescu, Removing toxic compounds from wastewater, Environmental Engineering and Management Journal, 13 (9), 2014, p. 2153-2158, ISSN: 1582-9596, WOS: 000347161400004	1.334	DA	3	1.3340
19	Raluca Isopescu, Mihaela Mihai, <b>Cristina Orbeci</b> , Dumitru Turtoi, Calcium Carbonate Precipitation through Carbon Dioxide Chemisorption from Flue Gas into Lime Suspension, Revista de Chimie 65 (12), 2014, p. 1490-1494, ISSN: 0034-7752, WOS: 000345946400019	1.412	NU	4	0.3530

Nr. crt.	Articol	FI (valabil la momentul 1 de punerii dosarului - aprilie 2019)	Autor principal (prim autor sau autor de corespon- dență)	Nr. autorii	FI /Nr. autori
20	Nechifor Aurelia Cristina, Abbas Abdul Kadhim Klaif Rikabi, Daniela Dumitra Clej, Szidonia Katalin Tanczos, Corneliu Trisca-Rusu, <b>Cristina Orbeci</b> , Synthesis of TiO <sub>2</sub> -Fe <sub>3</sub> O <sub>4</sub> composite nanoparticles for ampicillin and penicillin G photo-degradation, Revista Română de Matateriale/Romanian Journal of Materials, 45 (1), 2015, p.80-90, ISSN: 1583-3186, WOS: 000352755800011	0.661	DA	6	0.6610
21	<b>Orbeci C.</b> , Pascu L. F., Modrogean C., Degradation of Organic Compounds from Industrial Pharmaceutical Effluent Through Advanced Oxidation Processes, Revista de Chimie 66 (4), 2015, p. 482-486, ISSN: 0034-7752, WOS: 000354914500009	1.412	DA	3	1.4120
22	Lucian Constantin, Ines Nitoi, Ionut Cristea, Petruta Oancea, <b>Cristina Orbeci</b> , Aurelia Cristina Nechifor, Degradation of Triclosan by TiO <sub>2</sub> -UV Irradiation in Aqueous Solutions, Revista de Chimie 66 (5), 2015, p. 597-600, ISSN: 0034-7752, WOS:000355126000001	1.412	NU	6	0.2353
23	Abbas Abdul Kadhim Klaif Rikabi, Adriana Cuciureanu, Mariana Chelu, Alexandra Raluca Miron, <b>Cristina Orbeci</b> , Alexandru George Popa, Mihaela Emanuel Craciun, Proteins Ultrafiltration using Polysulfone-polyaniline and Polysulfone-magnetite Nanoparticles Composite Membranes, Revista de Chimie 66 (8), 2015, p.1093-1099, ISSN: 0034-7752, WOS:000361124600003	1.412	NU	7	0.2017
24	<b>Cristina Orbeci</b> , Cristina Modrogean, Annette Madelene Dăncilă, Degradation of pharmaceutical effluents by photo-assisted techniques, Revista de Chimie, 67 (1), 2016, p. 166-170, ISSN: 0034-7752, WOS:000369524300037	1.412	DA	3	1.4120

## Anexa 3.c.

Nr. crt.	Articol	FI (valabil la momentul 1 de punerii dosarului - aprilie 2019)	Autor principal (prim autor sau autor de corespon- dență)	Nr. autori	FI /Nr. autori
25	<b>Orbeci Cristina</b> , Stefan, Mircea, Dancila Annette Madelene, Tudose Mihai Silviu, Removal of Antibiotics from Wastewater Using Photocatalytic Membranes, Revista de Chimie, 67 (9) 1666-1668, 2016, p. 1666-1668, ISSN: 0034-7752, ISSN: 0034-7752, WOS:000385266600003	1.412	DA	4	1.4120
26	<b>Cristina Orbeci</b> , Rodica Stănescu, Viorica Pârvulescu, Daniela Negoescu, Synthesis, Characterization and Functionalisation of MCM-41 For Removal of Organic Compounds from Wastewaters, Environmental Engineering and Management Journal, 16 (3), 2017, p. 553-560, ISSN: 1582-9596, WOS:000403508600006	1.334	DA	4	1.3340
27	<b>Orbeci Cristina</b> , Parvulescu Oana Cristina, Acceleanu Elena, Dobre Tanase, Effects of Process Factors on Carbon Dioxide Reforming of Methane over Ni/SBA-15 Catalyst, Revista de Chimie, 68 (10), 2017, p. 2325-2328, ISSN: 0034-7752, WOS:000416750000023	1.412	DA	4	1.4120
28	Orbuleti Oanamari Daniela, Modrogean Cristina, <b>Orbeci Cristina</b> , Dancila Madelene Annette, Bobirica Constantin, Bobirica Liliana, Vasile Eugeniu, Influence of Sulfonation of Inert Macroporous and Macronet Resins on the SO <sub>2</sub> Adsorption Capacity, WATER AIR AND SOIL POLLUTION, 229 (12), 2018, p. 394-398, ISSN: 0049-6979, WOS:000451653000001	1.769	NU	7	0.2527
29	Alina Melinescu, <b>Cristina Rizea-Orbeci</b> , Maria Preda – Immobilization of lead ions in solutions by precipitation with calcium hydroxyapatite, Revista Română de Materiale/Romanian Journal of Materials 40 (3), p.237-241, 2010, ISSN: 1583-3186, WOS:000282120900007	0.661	NU	3	0.2203

## Anexa 3.c.

Nr. crt.	Articol	FI (valabil la momentul 1 de punerii dosarului - aprilie 2019)	Autor principal (prim autor sau autor de corespon- dență)	Nr. autori	FI /Nr. autori
30	<b>Cristina Orbeci</b> , Annette-Madelene Dăncilă, Cristian Onose, Paul-Octavian Stănescu, RO126666 (B1): „Vopsea fluorescentă cu efect decorativ”; International Patent C09D-005/28: Fluorescent dyes with decorative effect, Accession Number: 2011-Q12815 [76]	1	DA	4	1.0000
31	<b>Cristina Orbeci</b> , Ion Untea, Gheorghe Nechifor, RO126662 (B1): "Procedeu foto-Fenton modificat prin generarea in situ a catalizatorului Fe <sup>2+</sup> pentru oxidarea avansată a compușilor organici din apele reziduale"; International Patent C02F-001/72: Photo-Fenton process modified by in-situ generation of Fe <sup>2+</sup> catalyst for advanced oxidation of the organic compounds in waste water, Accession Number: 2011-Q12823 [52]	1	DA	3	1.0000
32	<b>Cristina Orbeci</b> , Ion Untea, Gheorghe Nechifor, RO128097 (B1): „Sistem fotocatalitic pentru epurarea avanșată a apelor reziduale”; International Patent C02F-001/32: Photo-catalytic system for advanced sewage treatment, Accession Number: 2013-C64022[52]	1	DA	3	1.0000

FIC = 29.2253

Data: 22.04.2019

ORBECKI Cristina

**Concurs pentru OBȚINEREA ATESTATULUI DE ABILITARE  
ANEXA LA FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE  
PREZENTARE LA CONCURS pentru OBȚINEREA ATESTATULUI DE ABILITARE**  
Număr total de citări (din baza ISI Web of Science), NC

**NUMĂRUL CITĂRILOR DIN BAZA DE DATE Web of Science (NC)**

(valabil la depunerea dosarului - aprilie 2019)

**Candidat: ORBECI Cristina**

1. **Violeta Neagu, I. Untea, Elena Tudorache, Cristina Orbeci - "Sorption equilibrium of Cr(VI) ions by strong base anion exchangers with pyridine structures", Journal of Applied Polymer Science, 93(4), p.1957-1963, 2004, ISSN: 0021-8995, WOS: 000222481500061**

1	Cyganowski, Piotr; Polowczyk, Izabela; Morales, Daniela V.; Urbano, Bruno F; Rivas, Bernabe L; Bryjak, Marek ; Kabay, Nalan , Synthetic strong base anion exchange resins: synthesis and sorption of Mo(VI) and V(V), POLYMER BULLETIN Volume: 75 Issue: 2 Pages: 729-746 Published: FEB 2018, WOS:000419972200020
2	Ortiz-Palacios, Jesus; Cardoso, Judith; de la Cruz, Marcos; Anleu, Eloisa, Functionalization in copolymers based on 4VP:DVB for the removal of Cr(VI) ions from aqueous solution, JOURNAL OF APPLIED POLYMER SCIENCE Volume: 134 Issue: 47 Article Number: 45548 Published: DEC 15 2017,WOS:000409466800024
3	Xiao, Ke; Han, Guimei; Li, Jianhui; Dan, Zhigang ; Xu, Fuyuan; Jiang, Linhua; Duan, Ning, Evaluation of polyacrylic anion exchange resins on the removal of Cr(VI) from aqueous solutions, RSC ADVANCES Volume: 6 Issue: 7 Pages: 5233-5239 Published: 2016, WOS:000368941700012
4	Wojcik, Grzegorz; Hubicki, Zbigniew; Rusek, Piotr, Study on chromium(VI) ion sorption on Varion AP anion-exchange resin, PRZEMYSŁ CHEMICZNY Volume: 92 Issue: 1 Pages: 82-85 Published: JAN 2013, WOS:000299980200019
5	Deng, Y.; Long, T.; Zhao, H., Zhu, L., Chen, J., Application of Porous N-Methylimidazolium Strongly Basic Anion Exchange Resins on Cr(VI) Adsorption from Electroplating Wastewater , SEPARATION SCIENCE AND TECHNOLOGY Volume: 47 Issue: 2 Special Issue: SI Pages: 256-263 Published: 2012, WOS:000302412700010
6	Wojcik, Grzegorz; Hubicki, Zbigniew; Rusek, Piotr, Study on chromium(VI) ion sorption on anion-exchange resin Amber lite IRA 910, PRZEMYSŁ CHEMICZNY Volume: 90 Issue: 12 Pages: 2153-2156 Published: DEC 2011, WOS:000299980200019

7	Pakade, V., Cukrowska, E., Darkwa, J., Torto, N., Chimuka, L., Selective removal of chromium(VI) from sulphates and other metal anions using an ion-imprinted polymer, WATER SA Volume: 37 Issue: 4 Pages: 529-537 Published: OCT 2011, WOS:000296882200011
8	Wojcik, Grzegorz; Neagu, Violeta; Bunia, Ion, Sorption studies of chromium(VI) onto new ion exchanger with tertiary amine, quaternary ammonium and ketone groups, JOURNAL OF HAZARDOUS MATERIALS Volume: 190 Issue: 1-3 Pages: 544-552 Published: JUN 15 2011, WOS:000292427800070
9	Vasiliu, S., Bunia, I., Racovita, S., Neagu, V., Adsorption of cefotaxime sodium salt on polymer coated ion exchange resin microparticles: Kinetics, equilibrium and thermodynamic studies, CARBOHYDRATE POLYMERS Volume: 85 Issue: 2 Pages: 376-387 Published: MAY 6 2011, WOS:000291178300013
10	Jermakowicz-Bartkowiak, Dorota; Kolarz, Bozena N., Poly(4-vinylpyridine) resins towards perrhenate sorption and desorption, REACTIVE & FUNCTIONAL POLYMERS Volume: 71 Issue: 2 Pages: 95-103 Published: FEB 2011, WOS:000287015600002
11	Neagu, Violeta; Mikhalovsky, Sergey, Removal of hexavalent chromium by new quaternized crosslinked poly(4-vinylpyridines), JOURNAL OF HAZARDOUS MATERIALS Volume: 183 Issue: 1-3 Pages: 533-540 Published: NOV 15 2010, WOS:000282607600067
12	Zhu, L., Zhang, C., Liu, Y., Wang, D., Chen, J., Direct synthesis of ordered N-methylimidazolium functionalized mesoporous silica as highly efficient anion exchanger of Cr(VI), JOURNAL OF MATERIALS CHEMISTRY Volume: 20 Issue: 8 Pages: 1553-1559 Published: 2010, WOS:000274396900022
13	Neagu, Violeta, Removal of Cr(VI) onto functionalized pyridine copolymer with amide groups, JOURNAL OF HAZARDOUS MATERIALS Volume: 171 Issue: 1-3 Pages: 410-416 Published: NOV 15 2009, WOS:000271165100052
14	Dulman, V., Simion, C., Barsanescu, A., Bunia, I., Neagu, V., Adsorption of Anionic Textile Dye Acid Green 9 from Aqueous Solution onto Weak or Strong Base Anion Exchangers, JOURNAL OF APPLIED POLYMER SCIENCE Volume: 113 Issue: 1 Pages: 615-627 Published: JUL 5 2009, WOS:000265904500073
15	Zhu, Lili; Liu, Yinghui; Chen, Ji, Synthesis of N-Methylimidazolium Functionalized Strongly Basic Anion Exchange Resins for Adsorption of Cr(VI), INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH Volume: 48 Issue: 7 Pages: 3261-3267 Published: APR 1 2009, WOS:000264569300001
16	Chowdhury, P., Polymers for the Extraction of ChromiumRole of Polymers in the Removal and Recovery of Chromium from Wastewater, JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY Volume: 46 Issue: 10 Pages: 1030-1038 Article Number: PII 914504459 Published: 2009, WOS:000269587300015
17	Chowdhury, P.; Roy, K.; Mondal, P., HCl Doped Polyaniline: An Adsorbent for the Treatment of Cr(VI)-Contaminated Wastewater, JOURNAL OF POLYMER MATERIALS Volume: 25 Issue: 4 Pages: 589-600 Published: OCT-DEC 2008, WOS:000266646500008

18	Ortiz-Palacios, Jesus; Cardoso, Judith; Manero, Octavio, Production of macroporous resins for heavy-metal removal. I. Nonfunctionalized polymers, JOURNAL OF APPLIED POLYMER SCIENCE Volume: 107 Issue: 4 Pages: 2203-2210 Published: FEB 15 2008, WOS:000252010100020
19	Ergozhin, E. E.; Begonova, B. E.; Chalov, T. K., Synthesis and study of physicochemical, acid-base, and complexing properties of ion exchangers based on glycidyl derivatives of aromatic compounds and polyamines, RUSSIAN JOURNAL OF APPLIED CHEMISTRY Volume: 80 Issue: 3 Pages: 472-476 Published: MAR 2007, WOS:000246009900023
20	Neagu, V; Bunia, I; Luca, C., Organic ion exchangers. Synthesis and their behaviour in the retention of some metal ions, Conference: 11th International Symposium on Macromolecule-Metal Complexes (MMC-11) Location: Pisa, ITALY Date: SEP 10-13, 2005, Sponsor(s): IUPAC, MACROMOLECULAR SYMPOSIA Volume: 235 Pages: 136-142 Published: 2006, WOS:000237270700018

- 2 **Orbeci C., Untea I., Nechifor G., Segneanu A.E., Craciun M.E., Effect of a modified photo-Fenton procedure on the oxidative degradation of antibiotics in aqueous solutions, Separation and Purification Technology 122, 2014, p. 290-296, ISSN 1383-5866, WOS: 000331422800038**

21	Ioannou-Ttofa, Lida; Raj, Saurav; Prakash, Halan; Fatta-Kassinos, Despo, Solar photo-Fenton oxidation for the removal of ampicillin, total cultivable and resistant E-coli and ecotoxicity from secondary-treated wastewater effluents, CHEMICAL ENGINEERING JOURNAL Volume: 355 Pages: 91-102 Published: JAN 1 2019, WOS:000445416900009
22	Malakootian, Mohammad; Heidari, Mohammad Reza, Removal of phenol from steel wastewater by combined electrocoagulation with photo-Fenton, WATER SCIENCE AND TECHNOLOGY Volume: 78 Issue: 6 Pages: 1260-1267 Published: NOV 2018, WOS:000449074800003
23	Norte, T. H. O.; Marcelino, R. B. P.; Moreira, R. P. L.; Binatti, I ; Starling, MCVM Amorim, CC ; Pereira, ES; Rocha, WR ; Lago, RM , ESI-MS, UV-Vis, and Theoretical Investigation of Fe3+-Amoxicillin Complexation during Coagulation, JOURNAL OF ENVIRONMENTAL ENGINEERING Volume: 144 Issue: 3 Article Number: 04018001 Published: MAR 2018, WOS:000422803400003
24	Al Ani, Hussam Nadum Abdalraheem; Cimbru, Anca Maria; Din, Ion Spiridon; Tanczos, Szidonia Katalin ;Nafliu, Ion Marius; Cuciureanu, Adriana], Iono-molecular Separation with Composite Membranes IV. Mono-nitrophenol's pervaporation through polysulfone composite membranes, MATERIALE PLASTICE Volume: 54 Issue: 2 Pages: 353-358 Published: JUN 2017, WOS:000408702100035

25	Al Ani, Hussam Nadum Abdalraheem; Cimbru, Anca Maria; Tanczos, Szidonia Katalin; Din, Ion Spiridon; Cuciureanu, Adriana; Nafliu, Ion Marius ; Nechifor, Gheorghe, REVISTA DE CHIMIE, Iono-molecular Separation with Composite Membranes III. Nitrophenols separation on polysulphone and composite nanoparticles ultrafiltration, REVISTA DE CHIMIE Volume: 68 Issue: 3 Pages: 427-434 Published: MAR 2017, WOS:000400731900002
26	Gheorghievici, Gavril Lucian; Rusu, Corneliu Trisca; Voicila, Elena; Nafliu, Ion Marius ; Cimbru, Anca Maria; Tanczos, Szidonia Katalin, Titanium Dioxide for Biomedical Uses I. The controlled production of nanoparticles by hydrothermal synthesis moderated by dimedone, REVISTA DE CHIMIE Volume: 68 Issue: 1 Pages: 11-15 Published: JAN 2017, WOS:000395499200003
27	Siqueira, Adriano F.; Izario Filho, Helcio J.; Alcantara, Marco A. K.; Loures, CCA ; Teixeira, LABM ; Guimaraes, OLC ; Gabas, AL ; Napoleao, DAS, Modeling Total Organic Carbon Variation in a Photocatalytic Process via Stochastic Differential Equations, ENVIRONMENTAL ENGINEERING SCIENCE Volume: 33 Issue: 8 Pages: 551-562 Published: AUG 2016, WOS:000380501700004
28	Anchieta, Chayene G.; Dotto, Guilherme L.; Mazutti, Marcio A.; Kuhn, RC ; Collazzo, GC ; Chiavone, O ; Foletto, EL , Statistical optimization of Reactive Red 141 removal by heterogeneous photo-Fenton reaction using ZnFe2O4 oxide prepared by microwave irradiation, DESALINATION AND WATER TREATMENT Volume: 57 Issue: 33 Pages: 15603-15611 Published: JUL 2016, WOS:000374588500032
29	Homsirikamol, Chaiyarak; Sunsandee, Niti; Pancharoen, Ura; Nootong, Kasidit, Synergistic extraction of amoxicillin from aqueous solution by using binary mixtures of Aliquat 336, D2EHPA and TBP, SEPARATION AND PURIFICATION TECHNOLOGY Volume: 162 Pages: 30-36 Published: APR 13 2016, WOS:000372937400006
30	Parra, Kenia N.; Gul, Saima; Aquino, Jose M.; Miwa, Douglas; Motheo, Artur J, Electrochemical degradation of tetracycline in artificial urine medium, JOURNAL OF SOLID STATE ELECTROCHEMISTRY Volume: 20 Issue: 4 Special Issue: SI Pages: 1001-1009 Published: APR 2016, WOS:000374841300016
31	Wan, Zhong; Wang, Jianlong, Ce-Doped zero-valent iron nanoparticles as a Fenton-like catalyst for degradation of sulfamethazine, RSC ADVANCES Volume: 6 Issue: 105 Pages: 103523-103531 Published: 2016, WOS:000387726500085
32	Anchieta, Chayene G.; Severo, Eric C.; Rigo, Caroline;Mazutti, Marcio A.; Kuhn, Raquel C.; Muller, Edson I. ; Flores, Erico M. M. ; Moreira, Regina ; Foletto, Edson L., Rapid and facile preparation of zinc ferrite ( $ZnFe_2O_4$ ) oxide by microwave-solvothermal technique and its catalytic activity in heterogeneous photo-Fenton reaction, MATERIALS CHEMISTRY AND PHYSICS,160, Pages: 141-147, 2015, WOS:000356210200018
33	Jaafarzadeh, N., Kakavandi, B., Takdastan, A., Azizi, M., Jorf, S., Powder activated carbon/Fe <sub>3</sub> O <sub>4</sub> hybrid composite as a highly efficient heterogeneous catalyst for Fenton oxidation of tetracycline: degradation mechanism and kinetic, RSC ADVANCES Volume: 5 (103), Pages: 84718-84728, Published: 2015, WOS:000362851000048

	34	Cheng, G., Lin, J., Lu, J., Cai, Z., Fu, J., Advanced Treatment of Pesticide-Containing Wastewater Using Fenton Reagent Enhanced by Microwave Electrodeless Ultraviolet, BIOMED RESEARCH INTERNATIONAL Article Number: 205903, 2015, WOS:000360209400001
3		Mircea Segarceanu, Daniela Elena Pascu, Gina Alina Traistaru, Mihaela Pascu (Neagu), Sofia Teodorescu, Cristina Orbeci, Optimization of Membrane Processes with Polysulfone/Polyaniline Composite Membranes, Revista de Chimie, 65(1), 2014, p. 8-14, ISSN 0034-7752, WOS: 000334150300002
35		Grosu Elena, Trifoi Ancuta, Rapa Maria Gherman, Gherman, Timea ; Turcanu, Andreea ; Filip, Petru, Study of the Drug Diffusion Through Polymeric Membranes, REVISTA DE CHIMIE, Volume: 69 Issue: 4, Pages: 783-789 , Published: APR 2018, WOS:000433223000006
36		Tiron, Laurentia Geanina; Pintilie, Stefan Catalin; Lazar, Andreea Liliana; Vlad, Maria ; Balta, Stefan ; Bodor, Marius, Influence of Polymer Concentration on Membrane Performance in Wastewater Treatment, MATERIALE PLASTICE Volume: 55 Issue: 1 Pages: 95-98 Published: MAR 2018, WOS:000444129500021
37		Rikabi, Abbas Abdul Kadhim Klaif; Balaban (Chelu), Mariana; Harabor, Iulia; Albu, Paul Constantin ; Segarceanu, Mircea ; (Nechifor, Gheorghe, Iono-molecular Separation with Composite Membranes I. Preparation and characterization of membranes with polysulfone matrix, REVISTA DE CHIMIE Volume: 67 Issue: 9 Pages: 1658-1665 Published: SEP 2016, WOS:000385266600002
38		Pascu, Daniela Elena; Pascu (Neagu), Mihaela; Segarceanu, Mircea; Melinte (Frunzulica), Carmen Elena; (Miron, Alexandra Raluca., A Study Regarding Aluminium Adsorption Kinetics from Drinking Water on Two Membranes, REVISTA DE CHIMIE Volume: 67 Issue: 7 Pages: 1239-1243 Published: JUL 2016, WOS:000385513000001
39		Kamar, Firas Hashim; Nechifor, Aurelia Cristina; Nechifor, Gheorghe; Sallomi, Muthana Hassan; Jasem, Abdulrazaq D, Study of the Single and Binary Batch Systems to Remove Copper and Cadmium Ions from Aqueous Solutions using Dry Cabbage Leaves as Biosorbent Material, REVISTA DE CHIMIE Volume: 67 Issue: 1 Pages: 1-7 Published: JAN 2016, WOS:000369524300001
40		Kamar, Firas Hashim; Nechifor, Aurelia Cristina; Alwan, Ghanim M.; Craciun, Mihaela Emanuela; Nechifor, Gheorghe., Comparative Removal of Lead, Copper and Cadmium Ions from Wastewater in Single and Ternary Batch Biosorption Systems onto Dry Walnut Shells, REVISTA DE CHIMIE Volume: 66 Issue: 8 Pages: 1083-1087 Published: AUG 2015, WOS:000361124600001
41		Kamar, Firas Hashim; Nechifor, Aurelia Cristina; Ridha, Mohanad Jasim Mohammed; Altaieemi, Mustafa Basim Mohammed; Nechifor, Gheorghe, Study on Adsorption of Lead Ions from Industrial Wastewater by Dry Cabbage Leaves, REVISTA DE CHIMIE Volume: 66 Issue: 7 Pages: 921-925 Published: JUL 2015, WOS:000359179900001

		Pascu, Daniela-Elena; Pascu (Neagu), Wihaela; Traistaru, Gina Alina; Enache, Daniela Florentina ; Pascu, Luoana Florentina ; Craciun, Mihaela Emanuela, Models of Iron Adsorption by Two Types of Membranes, REVISTA DE CHIMIE Volume: 66 Issue: 4 Pages: 451-456 Published: APR 2015, WOS:000354914500003
42		Pascu, D.-E., Nechifor, A.C., Pascu, M., Traistaru, G.A., Bunaciu, A.A., Pascu, L.F., Totu, M., Mathematical Modelling of Some Processes of Separation Through Membranes Dynamic models, REVISTA DE CHIMIE Volume: 66 Issue: 3 Pages: 328-332 Published: MAR 2015, WOS:000352756300008
43		Pascu, D.-E., Nedelcip, O.T., Segarceanu, M., Totu, M., Trisca-Rusu, C., Pascu, L.F., Nechifor, A.C., Optimization of Membrane Processes with Applications in Transport and Adsorption of Nitrate Ions, REVISTA DE CHIMIE Volume: 65 Issue: 12 Pages: 1407-1412 Published: DEC 2014 , WOS:000345946400003
44		Pascu, Daniela-Elena; Nedelcu, Oana Tatiana; Nechifor, Aurelia Cristina; Segarceanu, Mircea, SIMULATION OF MEMBRANE PROCESSES WITH APPLICATIONS IN TRANSPORT AND ADSORPTION OF NITRATE IONS, 2014 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS) Book Series: International Semiconductor Conference Pages: 299-302 Published: 2014, WOS:000380488300061
45		Cristiana Olteanu, Piotr Szczechanski, Cristina Orbeci, Carmen Georgiana Lica, Loreta Costache, Ioana Diaconu, Study of the Transport of Chromium, Manganese and Zinc through Bulk Liquid Membrane Using D2EHPA and Cyanex 301 as a Carrier, Revista de Chimie, 64(9), 2013, p.925-930, ISSN 0034-7752, WOS: 000326855900001
46		Diaconu, I., Aboul-Enein, H.Y., Bunaciu, A.A., Ruse, E., Mirea, C.,Nechifor, G., Aspects of the diffusive transport of acetaminophen through bulk liquid membranes, Revue Roumaine de Chimie, Volume 60, Issue 5-6, 1 May 2015, Pages 501-505, WOS:000359179900002
47		Diaconu, I., Aboul-Enein, H.Y., Bunaciu, A.A., Ruse, E., Mirea, C., Nechifor, G., Selective separation of acetaminophen from pharmaceutical formulations through membrane techniques, Revue Roumaine de Chimie, Volume 60, Issue 5-6, 1 May 2015, Pages 521-525 , WOS:000370990000013
48		Diaconu, I., Mirea, C.M., Serban, E.A., Ruse, E., Nechifor, G., Pertraction of acetaminophen through bulk liquid membranes kinetic aspects, Revista de Chimie, Volume 66, Issue 7, 1 July 2015, Pages 926-928, WOS:000370990000016
49		Diaconu, I., Mirea, C.M., Ruse, E., Nechifor, G., Selective recovery of phenolic derivatives through the technique of liquid membranes, Environmental Engineering and Management Journal, Volume 14, Issue 3, 2015, Article number A016, Pages 625-630, WOS:000352652700017

	50	Zaharia, Ionut; Diaconu, Ioana; Ruse, Elena; Nechifor, Gheorghe, The Separation of Salicylic Acid from 5-aminosalicylic Acid Through Bulk Liquid Membranes, REVISTA DE CHIMIE Volume: 66 Issue: 2 Pages: 169-172 Published: FEB 2015, WOS:000351659300004
	51	Zaharia, I., Diaconu, I., Ruse, E.b , Nechifor, G., Role of the carrier in the pertraction of p-aminophenol through bulk liquid membranes, Revista de Chimie, Volume 65, Issue 11, 1 November 2014, Pages 1256-1259, WOS:000345946300002
5		<b>Cristina Orbeci, Ion Untea, Rodica Stanescu, Adina Elena Segneanu, Mihaela Emanuela Craciun - A new photo-Fenton procedure applied in oxidative degradation of organic compounds from wastewater, Environmental Engineering and Management Journal, 11 (1), p.141-146, 2012, ISSN: 1582-9596, WOS: 000301546400019</b>
	52	Gheorghievici, Gavril Lucian; Rusu, Corneliu Trisca; Voicila, Elena; Nafliu, Ion Marius ; Cimbru, Anca Maria ; Tanczos, Szidonia Katalin, Titanium Dioxide for Biomedical Uses I. The controlled production of nanoparticles by hidrothermal synthesis moderated by dimedone, REVISTA DE CHIMIE Volume: 68 Issue: 1 Pages: 11-15 Published: JAN 2017, WOS:000395499200003
	53	Pincovschi, Irina; Stefan, Daniela Simina, Effect of Temperature and Sulfur Dioxide Pressure on Natural Water Pollution, REVISTA DE CHIMIE Volume: 64 Issue: 9 Pages: 1021-1023 Published: SEP 2013, WOS:000326855900020
	54	Li, J., Feng, J., Zhai, S., EFFECTS OF Fe(III) ON DISSIMILATORY FERRIC REDUCTION, NITROGEN AND PHOSPHORUS REMOVAL IN ACTIVATED SLUDGE PROCESS, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 12 Issue: 7 Pages: 1345-1352 Published: JUL 2013, WOS:000326732700006
	55	Ur Rehman, M.S., Saif, A., Rashid, A., Ahmad, R., Malik, M.F., Mahmood, T., CHEMOMETRIC CLASSIFICATION OF ADVANCED OXIDATION PROCESSES FOR THE DEGRADATION OF PHARMACEUTICALS AND PERSONAL CARE PRODUCTS, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 12 Issue: 3 Pages: 475-481 Published: MAR 2013, WOS:000320144200008
6		<b>C. Orbeci, M. Totu, S. K. Tanczos, E. Vasile, A. Dinu, A. C. Nechifor, Preparation and properties of a photocatalyst with TiO<sub>2</sub> nanoparticles, Optoelectronics and Advanced Materials–Rapid Communications, 7(11-12), 2013, p. 822-827, ISSN 1842-6573, WOS: 000328253100003</b>
	56	Gheorghievici, Gavril Lucian; Rusu, Corneliu Trisca; Voicila, Elena; Nafliu, Ion Marius;Cimbru, Anca Maria ; Tanczos, Szidonia Katalin, Titanium Dioxide for Biomedical Uses I. The controlled production of nanoparticles by hidrothermal synthesis moderated by dimedone, REVISTA DE CHIMIE Volume: 68 Issue: 1 Pages: 11-15 Published: JAN 2017, WOS:000395499200003

57	Adomnitei, C., Cornei, N., Luca, D., Sandu, I., Vasilache, V., Dobromir, M., Mardare, D., The Influence of Ni doping on the Surface Wettability of TiO <sub>2</sub> Thin Films, Journal of Optoelectronics and Advanced Materials, Volume 17, Issue 5-6, 1 May 2015, Pages: 889-893, WOS:000357766600058
58	Yufei, C., Qiwing, D., Junyan, T., Qingyu, Z., Study on nano-Al <sub>2</sub> O <sub>3</sub> modified by supercritical fluid, Optoelectronics and Advanced Materials, Rapid Communications, Volume 8, Issue 9-10, 2014, Pages: 925-929, WOS:000343844700023
7	<b>Cristina Orbeci, Gheorghe Nechifor, Rodica Stănescu, Removing toxic compounds from wastewater, Environmental Engineering and Management Journal, 13 (9), 2014, p. 2153-2158, ISSN: 1582-9596, WOS: 000347161400004</b>
59	Badea Gabriela Elena, Aleya Lotfi, Mustatea Petronel, Tit Delia Mirela, Endres Laura, Bungau Simona, Cioca Gabriela, Chlorate Electrochemical Removal from Aqueous Media Based on a Possible Autocatalytic Mechanism, REVISTA DE CHIMIE Volume: 70 Issue: 1 Pages: 185-189 Published: JAN 2019, WOS:000460428100040
60	Hodisan, Sorin; Badea, Gabriela Elena; Bungau, Simona; Sebesan, Mioara; Melinte (Frunzulica), Carmen Elena; Popa, Maria; Tit, Delia Mirela, The Quality of Underwater Supplies in Western Romania, REVISTA DE CHIMIE Volume: 69 Issue: 9 Pages: 2318-2322 Published: SEP 2018, WOS:000449628400003
61	Petrea, Nicoleta; Ginghina, Raluca; Pretorian, Andrade; Petre, Razvan; Barsan, Ghita ; Otrisal, Pavel; Mosteanu, Danut Eugeniu, Experimental Survey Regarding the Dangerous Chemical Compounds from Military Polygons that Affect the Military Health and the Environment, REVISTA DE CHIMIE Volume: 69 Issue: 7 Pages: 1640-1644 Published: JUL 2018, WOS:000444595700008
62	Mot C.A., Lupitu A., I., Bungau S., Iovan C., Copolovici D.M., Purza L., Melinte C.E., Copolovici L., Composition and Antioxidant Activity of Aqueous Extracts Obtained from Herb of Tansy ( <i>Tanacetum Vulgare L.</i> ), REVISTA DE CHIMIE, Volume: 69 Issue: 5, Pages: 1041-1044, Published: MAY 2018 , WOS:000434954100002
63	Ramazani, Ali, Oveisi Mina, Sheikhi Masoome; Gouranlou, Farideh; Hanifehpour, Younes; Joo, Sang W. ; Aghahosseini, Hamideh, A Review on the Destruction of Environmentally Hazardous Chlorinated Aromatic Compounds in the Presence (or without) of Nanophotocatalysts, CURRENT ORGANIC CHEMISTRY, Volume: 22 Issue: 15, Pages: 1554-1572, Published: 2018, WOS:000445404900006
64	Mosteanu, Danut; Barsan, Ghita; Otrisal, Pavel; Giurgiu, Luminita ; Oancea, Romana, Obtaining the Volatile Oils from Wormwood and Tarragon Plants by a New Microwave Hydrodistillation Method, REVISTA DE CHIMIE Volume: 68 Issue: 11 Pages: 2499-2502 Published: NOV 2017, WOS:000416751800006

65	Samuel, Alina Dora; Tit, Delia Mirela; (Frunzulica), Carmen Elena Melinte; Iovan, Ciprian] ; Purza, Lavinia ; Gitea, Manuel ; Bungau, Simona, Enzymological and Physicochemical Evaluation of the Effects of Soil Management Practices, REVISTA DE CHIMIE Volume: 68 Issue: 10 Pages: 2243-2247 Published: OCT 2017, WOS:000416750000009
66	Copolovici, Lucian; Timis, Daniela; Taschina, Monica; Taschina, Copolovici, Dana ; Cioca, Gabriela ; Bungau, Simona, Diclofenac Influence on Photosynthetic Parameters and Volatile Organic Compounds Emission from Phaseolus vulgaris L. Plants, REVISTA DE CHIMIE Volume: 68 Issue: 9 Pages: 2076-2078 Published: SEP 2017, WOS:000416748800027
67	Taschina, Monica; Copolovici, Dana Maria; Bungau, Simona; Lupitu, Lupitu, Andreea Ioana; Copolovici, Lucian ; Iovan, Ciprian, THE INFLUENCE OF RESIDUAL ACETAMINOPHEN ON PHASEOLUS VULGARIS L. SECONDARY METABOLITES, FARMACIA Volume: 65 Issue: 5 Pages: 709-713 Published: SEP-OCT 2017, WOS:000413731300009
68	Prada, M.; Popescu, D. E.; Bungau, C.; Pancu, R ; Bungau, C., PARAMETRIC STUDIES ON EUROPEAN 20-20-20 ENERGY POLICY TARGETS IN UNIVERSITY ENVIRONMENT, JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY Volume: 18 Issue: 3 Pages: 1146-1157 Published: 2017, WOS:000417113200032
69	Tawfik, Ahmed; Zaki, Dina; Zahran, Magdy, DECOLORIZING OF REACTIVE DYES WASTEWATER VIA DOWN-FLOW HANGING SPONGE (DHS) SYSTEM, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 16 Issue: 1 Pages: 39-46 Published: JAN 2017, WOS:000399094900005
70	Gheorghievici, Gavril Lucian; Rusu, Corneliu Trisca; Voicila, Elena; Nafliu, Ion Marius ; Cimbru, Anca Maria; Tanczos, Szidonia Katalin, Titanium Dioxide for Biomedical Uses I. The controlled production of nanoparticles by hidrothermal synthesis moderated by dimedone,REVISTA DE CHIMIE Volume: 68 Issue: 1 Pages: 11-15 Published: JAN 2017, WOS:000395499200003
71	Pascu, Daniela Elena; Pascu (Neagu), Mihaela; Segarceanu, Mircea; ; Melinte (Frunzulica), Carmen Elena ; Miron, Alexandra Raluca, A Study Regarding Aluminium Adsorption Kinetics from Drinking Water on Two Membranes, REVISTA DE CHIMIE Volume: 67 Issue: 7 Pages: 1239-1243 Published: JUL 2016, WOS:000385513000001
72	Jiang, Yuping; Ye, Daiqi, REMOVAL OF METHYLENE BLUE BY AN AQUEOUS SUSPENSION OF NANO-SIZED TIO2 CONTAINING DIFFERENT SALTS, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 14 Issue: 12 Pages: 2865-2870 Published: DEC 2015, WOS:000369100100012
73	Di Palma, Luca; De Filippis, Paolo; Lausdei, Daniele; Lausdei, Daniele ; Petrucci, Elisabetta, KINETIC TESTS OF ANAEROBIC DECHLORINATION OF A POLLUTED GROUNDWATER IN ITALY, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 14 Issue: 11 Pages: 2713-2718 Published: NOV 2015, WOS:000369099900023

	Orha, Corina; Lazau, Carmen; Dabici, Ana-Maria; Bandas, Cornelia, Olariu, Sorin ; Manea, Florica, COMPARATIVE PHOTOCATALYTIC PERFORMANCES OF UNDOPED/N-DOPED TIO2 UNDER SOLAR IRRADIATION FOR A REACTIVE YELLOW 125 AZO REACTIVE DYE DEGRADATION FROM WATER, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 14 Issue: 6 Pages: 1355-1360 Published: JUN 2015, WOS:000360500200014
74	Miron, Alexandra Raluca; Nechifor, Aurelia Cristina; Rikabi, Abbas Abdul Kadhim Klaif; Tanczos, Szidonia Katalin, SEPARATION OF AROMATIC INTERMEDIATES OF BIOLOGICAL INTEREST USING EMULSION LIQUID MEMBRANES, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 14 Issue: 2 Pages: 373-379 Published: FEB 2015, WOS:000351604300014
75	Apostolescu, Gabriela Antoaneta; Cernatescu, Corina; Cobzaru, Claudia; Tataru-Farmus, Ramona Elena; Apostolescu, Nicolae, STUDIES ON THE PHOTOCATALYTIC DEGRADATION OF ORGANIC DYES USING CeO2 - ZnO MIXED OXIDES, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 14 Issue: 2 Pages: 415-420 Published: FEB 2015, WOS:000351604300019
76	Cristina Orbeci, Ion Untea, Georgios Kopsiaftis - The influence of inorganic species on oxidative degradation of 4-chlorophenol by photo-Fenton type process, Revista de Chimie 59(9), p.952-955, 2008, ISSN: 0034-7752, WOS: 000260547200002
8	Pincovschi, Irina; Stefan, Daniela Simina, Effect of Temperature and Sulfur Dioxide Pressure on Natural Water Pollution, REVISTA DE CHIMIE Volume: 64 Issue: 9 Pages: 1021-1023 Published: SEP 2013, WOS:000326855900020
77	Chelme-Ayala, P., Afzal, A., Pourrezaei, P., Wang, Y., Zapata, M.A., Ding, N., Jin, J., Wang, N., Drzewicz, P., El-Din, M.G., Physico-Chemical Processes, WATER ENVIRONMENT RESEARCH Volume: 81 Issue: 10 Pages: 1056-1126 Published: SEP 2009, WOS:000269755600006
78	D. Turtoi, G. Zăinescu, El. Tudorache, C. Orbeci, I. Untea, M. Belcu - "Chromium (III) separation from tannery wastewaters by partial freezing", Journal of the Society of Leather Technologists & Chemists, 88(4), p.150-153, 2004, ISSN: 0144-0322, WOS: 000223552500003
79	Wionczyk, B., Cierpiszewski, R., Mól, A., Prochaska, K., Studies on the kinetics and equilibrium of the solvent extraction of chromium(III) from alkaline aqueous solutions of different composition in the system with Aliquat 336, JOURNAL OF HAZARDOUS MATERIALS Volume: 198 Pages: 257-268 Published: DEC 30 2011, WOS:000298778700032
80	Lalueza, J., Rius, A., Puig, R., Martí, E., Martí, J.F., Rodriguez, N., Amils, R., BIOTECHNOLOGICAL SEQUESTERING OF CHROMIUM(III) FROM POST-TANNING EFFLUENTS: FIRST RESULTS, JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION Volume: 105 Issue: 7 Pages: 214-221 Published: JUL 2010, WOS:000279683700001

		81 Wionczyk, Barbara; Apostoluk, Wieslaw; Charewicz, Witold A., Solvent extraction of chromium(III) from spent tanning liquors with Aliquat 336, HYDROMETALLURGY Volume: 82 Issue: 1-2 Pages: 83-92 Published: JUL 2006, WOS:000238964900009
10		I. Untea, C. Orbeci, E. Tudorache, V. Neagu, D. Turtoi - "The evaluation of characteristic parameters at the Cr(VI) retention of aqueous solutions by ion exchange in dynamic conditions on strong base anions, Revista de Chimie, 55(6), p.439-443, 2004, ISSN: 0034-7752, WOS: 000222753600015
	82	Bohdana, Corina M.; Pincovschi, Eugen; Oancea, Ana-Maria S., Proton/Cu(II) and Proton/Ni(II) Ion Exchange Equilibria on Sulfonated Hypercrosslinked Resin Sorption and Surface Complexation Models, REVISTA DE CHIMIE Volume: 63 Issue: 2 Pages: 159-165 Published: FEB 2012 , WOS:000301566400007
	83	Bohdana, C.M., Cantea, S.D., Pincovschi, E., Oancea, A.-M.S., Proton/Magnesium (II) Ion Exchange Equilibrium on Sulfonated Hyper-Crosslinked Resin Sorption and Surface Complexation Models, REVISTA DE CHIMIE Volume: 62 Issue: 2 Pages: 233-239 Published: FEB 2011, WOS:000288838800023
11		Ramona Balint, Cristina Orbeci, Gheorghe Nechifor, Marinela Plesca, Franco Ajmone-Marsan, Effect of redox conditions on the crystallinity of Fe oxides in soil, Revista de Chimie, 64 (11), 2013, p. 1218-1223, ISSN 0034-7752, WOS: 000328441600003
	84	Petrea, Nicoleta; Ginghina, Raluca; Pretorian, Andrada; Petre, Razvan; Barsan, Ghita; Otrisal, Pavel ; Mosteanu, Danut Eugeniu, Experimental Survey Regarding the Dangerous Chemical Compounds from Military Polygons that Affect the Military Health and the Environment, REVISTA DE CHIMIE Volume: 69 Issue: 7 Pages: 1640-1644 Published: JUL 2018, WOS:000444595700008
	85	Gitea, Manuel Alexandru; Bungau, Simona; Gitea, Daniela; Purza, Lavinia ; Nemeth, Sebastian; Samuel, Alina Dora; Badea, Gabriela ; Tit, Delia Mirel, The Consequences of Excessive Chemicalization on Fruits Quality, REVISTA DE CHIMIE, Volume: 69 Issue: 6, Pages: 1303-1308, Published: JUN 2018, WOS:000438397400003
	86	Mot, Claudia Anca; Lupitu, Andreea I.; Bungau, Simona; Iovan, Ciprian ;Copolovici, Dana Maria;Purza, Lavinia ;Melinte (Frunzulica), Carmen Elena] ; Copolovici, Lucian, Composition and Antioxidant Activity of Aqueous Extracts Obtained from Herb of Tansy ( <i>Tanacetum Vulgare L.</i> ), REVISTA DE CHIMIE Volume: 69 Issue: 5 Pages: 1041-1044, Published: MAY 2018, WOS:000434954100002
	87	Mosteanu, Danut; Barsan, Ghita; Otrisal, Pavel; Giurgiu, Luminita; Oancea, Romana, Obtaining the Volatile Oils from Wormwood and Tarragon Plants by a New Microwave Hydrodistillation Method, REVISTA DE CHIMIE Volume: 68 Issue: 11 Pages: 2499-2502 Published: NOV 2017, WOS:000416751800006

88	Zhao Jiale; Gao Xiaojiang; Yang Jin, Influences of hydrological regime on heavy metal and salt ion concentrations in intertidal sediment from Chongming Dongtan, Changjiang River estuary, China, CHINESE JOURNAL OF OCEANOLOGY AND LIMNOLOGY Volume: 35 Issue: 6 Pages: 1329-1341 Published: NOV 2017, WOS:000415810900006
89	Samuel, Alina Dora; Tit, Delia Mirela; (Frunzulica), Carmen Elena Melinte; (Iovan, Ciprian ; Purza, Lavinia ;Gitea, Manuel; Bungau, Simona, Enzymological and Physicochemical Evaluation of the Effects of Soil Management Practices, REVISTA DE CHIMIE Volume: 68 Issue: 10 Pages: 2243-2247 Published: OCT 2017, WOS:000416750000009
90	Copolovici, Lucian; Timis, Daniela; Taschina, Monica;(Cioca, Gabriela ; Bungau, Simona, Diclofenac Influence on Photosynthetic Parameters and Volatile Organic Compounds Emission from Phaseolus vulgaris L. Plants, REVISTA DE CHIMIE Volume: 68 Issue: 9 Pages: 2076-2078 Published: SEP 2017, WOS:000416748800027
91	Zanzo, Elena; Balint, Ramona; Prati, Marco;Celi, Luisella, Barberis, Elisabetta ;Violante, Antonio ; Martin, Maria, Aging and arsenite loading control arsenic mobility from ferrihydrite-arsenite coprecipitates, GEODERMA Volume: 299 Pages: 91-100 Published: AUG 1 2017, WOS:000402217800010
92	Balint, Ramona; Said-Pullicino, Daniel; Ajmone-Marsan, Franco, Copper dynamics under alternating redox conditions is influenced by soil properties and contamination source, JOURNAL OF CONTAMINANT HYDROLOGY Volume: 173 Pages: 83-91 Published: FEB 2015, WOS:000348878900007
93	Balint, Ramona; Nechifor, Gheorghe; Ajmone-Marsan, Franco, Leaching potential of metallic elements from contaminated soils under anoxia, ENVIRONMENTAL SCIENCE- PROCESSES & IMPACTS Volume: 16 Issue: 2 Pages: 211-219 Published: FEB 2014, WOS:000331504100004
12	<b>Mihaela Pascu (Neagu), Daniela-Elena Pascu, Gina Alina Traistaru, A. A. Bunaciu, Cristina Orbeci, Aurelia Cristina Nechifor, Kinetic Studies of Some Biological Active Extracts with Antioxidant Properties, Revista de Chimie, 64(8), 2013, p.785-790, ISSN 0034-7752, WOS: 000330329400001</b>
94	Purdel, Carmen; Dima, Ines; Margina, Denisa; Gradinaru, Daniela; Ilie, Mihaela, Investigation of the Carbonylation Process of Protein Induced "in vitro" by Different Hydroxyl Radical Generating Systems, REVISTA DE CHIMIE Volume: 66 Issue: 3 Pages: 320-323 Published: MAR 2015, WOS:000352756300006
13	<b>Alina Melinescu, Cristina Rizea-Orbeci, Maria Preda – Immobilization of lead ions in solutions by precipitation with calcium hydroxyapatite, Revista Română de Materiale/Romanian Journal of Materials 40 (3), p.237-241, 2010, ISSN: 1583-3186, WOS:000282120900007</b>
95	Cherif, B., Karim M., Abdelkader H., Chahinez A., MODELING AND EVALUATION OF THE PERFORMANCE OF THE STABILIZATION/SOLIDIFICATION PROCESS OF HAZARDOUS COMPOUND PbO BY TOXICITY CHARACTERISTIC LEACHING PROCEDURE TEST, 48 (2), Pages: 260-267, Published: 2018, WOS:000435472300017

96	Fierascu, Irina; Fierascu, Radu Claudiu; Ion, Rodica Mariana, SYNTHESIZED APATITIC MATERIALS FOR ARTEFACTS PROTECTION AGAINST BIODETERIORATION, REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS Volume: 44 Issue: 3 Pages: 292-297 Published: 2014, WOS:000383730900005
97	Tardel, Christu; Simonescu, Claudia Maria; Onose, Cristian; et al., EVALUATION OF LAB SCALE NANO-HYDROXYAPATITES FOR REMOVAL OF LEAD IONS FROM AQUEOUS SOLUTIONS, REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS Volume: 46 Issue: 3 Pages: 289-295 Published: 2016, WOS:000342262200010
14	<b>Abbas Abdul Kadhim Klaif Rikabi, Adriana Cuciureanu, Mariana Chelu, Alexandra Raluca Miron, Cristina Orbeci, Alexandru George Popa, Mihaela Emanuela Craciun, Proteins Ultrafiltration using Polysulfone-polyaniline and Polysulfone-magnetite Nanoparticles Composite Membranes, Revista de Chimie 66 (8), 2015, p.1093-1099, ISSN: 0034-7752, WOS:000361124600003</b>
98	Din Ion Spiridon, Cimbru Anca Maria, Rikabi Abbas Abdul Kadhim Klaif, Tanczos, Szidonia Katalin; Ticu (Cotorcea), Simona; Nechifor, Gheorghe, Iono-molecular Separation with Composite Membranes VI. Nitro-phenol separation through sulfonated polyether ether ketone on capillary polypropylene membranes, REVISTA DE CHIMIE, Volume: 69 Issue: 7, Pages: 1603-1607, Published: JUL 2018, WOS:000444595700001
99	Segarceanu Mircea, Miron Alexandra Raluca, Tanczos Szidonia Katalin, Rikabi, Abbas Abdul Kadhim Klaif; Nafliu, Ion Marius; Vaireanu, Danut Ionel, Dynamic Membranes on Polysulfone Support for Fuel Cells, MATERIALE PLASTICE, Volume: 55 Issue: 2, Pages: 137-140, Published: JUN 2018, WOS:000444147100001
100	Din Ion Spiridon, Cimbru Anca Maria, Al Ani Hussam Nadum Abdalraheem, Nafliu, Ion Marius ; Tanczos, Szidonia Katalin ; Nechifor, Gheorghe, Iono-molecular Separation with Composite Membranes V. Nitro-phenol separation on n-alkyl alcohols supported liquid membranes, REVISTA DE CHIMIE, Volume: 69 Issue: 5, Pages: 1084-1088, Published: MAY 2018, WOS:000434954100011
101	Segarceanu Mircea, Miron Alexandra Raluca, Lica, Carmen Georgiana, Oprea, Ovidiu, Rikabi, Abbas Abdul Kadhim Klaif; Vaireanu, Danut Ionel, Comparative Study of Polysulfone Matrix Based Composite Membranes Designed for Fuel Cells, REVISTA DE CHIMIE, Volume: 69 Issue: 4, Pages: 772-776, Published: APR 2018, WOS:000433223000004
102	Popa, George Alexandru; Enache (Popa), Daniela Florentina; Tanczos, Szidonia Katalin; Ciocanea, Adrian, MATERIALE PLASTICE, Ultrafiltration of Aqueous Solutions of Food Dye Using Polymeric Membranes Prepared with Surfactants, MATERIALE PLASTICE Volume: 54 Issue: 4 Pages: 726-730 Published: DEC 2017, WOS:000426412500025
103	Enache, Daniela Florentina; Popa, George Alexandru; Vasile, Eugeniu; Razvan, Anca ; Oprea, Ovidiu; Voicila, Elena; Dumitru, Florina, Preparation and Characterization of Ultrafiltration TiO <sub>2</sub> Nanoparticles-Polysulfone Membranes, REVISTA DE CHIMIE Volume: 68 Issue: 11 Pages: 2635-2640 Published: NOV 2017, WOS:000416751800035

	104	Al Ani, Hussam Nadum Abdalraheem; Cimbru, Anca Maria; Din, Ion Spiridon, Tanczos, Szidonia Katalin ; Nafliu, Ion Marius ;Cuciureanu, Adriana, Iono-molecular Separation with Composite Membranes IV. Mono-nitrophenol's pervaporation through polysulfone composite membranes, MATERIALE PLASTICE Volume: 54 Issue: 2 Pages: 353-358 Published: JUN 2017, WOS:000408702100035
	105	Al Ani, Hussam Nadum Abdalraheem; Cimbru, Anca Maria; Tanczos, Szidonia Katalin;Din, Ion Spiridon; Cuciureanu, Adriana ; Nafliu, Ion Marius ; Nechifor, Gheorghe, REVISTA DE CHIMIE, Iono-molecular Separation with Composite Membranes III. Nitrophenols separation on polysulphone and composite nanoparticles ultrafiltration, REVISTA DE CHIMIE Volume: 68 Issue: 3 Pages: 427-434 Published: MAR 2017, WOS:000400731900002
	106	Al Ani, Hussam Nadum Abdalraheem; Cimbru, Anca Maria; Trisca-Rusu, Corneliu; Tanczos, Szidonia Katalin;Cuciureanu, Adriana; Nechifor, Aurelia Cristina, Iono-molecular Separation with Composite Membranes II. Preparation and characterization of polysulphone and composite nanoparticles, REVISTA DE CHIMIE Volume: 68 Issue: 2 Pages: 203-209 Published: FEB 2017, WOS:000397043100002
	107	Popa, George Alexandru; Nechifor, Gheorghe; Enache (Popa), Daniela Florentina; Tanczos, SK ; Ciocanea, Adrian, POLIMERIC MEMBRANES PREPARED WITH SURFACTANTS USED FOR ULTRAFILTRATION OF AQUEOUS SOLUTIONS OF FOOD DYE, STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA Volume: 62 Issue: 4 Pages: 47-58 Published: 2017, WOS:000425964800005
	108	Popa, George Alexandru; Popa (Enache), Daniela Florentina; Slave (Clej), Dumitra Daniela; Spiridon, Ion Din; Mirea, Cristina Monica; Ciocanea, Adrian, Ultrafiltration of Aqueous Solutions of Food Dye in the Presence of Surfactants, REVISTA DE CHIMIE Volume: 68 Issue: 1 Pages: 6-10 Published: JAN 2017, WOS:000395499200002
	109	Ghimpusan, Marieta; Nechifor, Gheorghe; Din, Ion Spiridon; Nechifor, Aurelia Cristina] ; Passeri, Piero, Application of Hollow Fibre Membrane Bioreactor Instead of Granular Activated Carbon. Filtration for Treatment of Wastewater from Car Dismantler Activity, MATERIALE PLASTICE Volume: 53 Issue: 4 Pages: 578-584 Published: DEC 2016, WOS:000395047100002
	110	Rikabi, Abbas Abdul Kadhim Klaif; Balaban (Chelu), Mariana; Harabor, Iulia; Albu, Paul Constantin; Segarceanu, Mircea ; Nechifor, Gheorghe., Iono-molecular Separation with Composite Membranes I. Preparation and characterization of membranes with polysulfone matrix, REVISTA DE CHIMIE Volume: 67 Issue: 9 Pages: 1658-1665 Published: SEP 2016, WOS:000385266600002
	111	Albu, Paul Constantin; Al Ani, Hussam Nadum Abdalraheem; Cimbru, Anca Maria; Popa, George Alexandru ;Niculae, Alexandra Gabriela; Miron, Alexandra Raluca, Pharmaceutical Industry Wastewater Treatment by Electrocoagulation and Micelial Ultrafiltration, REVISTA DE CHIMIE Volume: 67 Issue: 4 Pages: 813-820 Published: APR 2016, WOS:000376549200045

15 Lucian Constantin, Ines Nitoi, Ionut Cristea, Petruta Oancea, Cristina Orbeci, Aurelia Cristina Nechifor, Degradation of Triclosan by TiO2-UV Irradiation in Aqueous Solutions, Revista de Chimie 66 (5), 2015, p. 597-600, ISSN: 0034-7752, WOS:000355126000001

112	Constantin, Lucian Alexandru; Nitoi, Ines; Cristea, Nicolae Ionut; Constantin, Mirela Alina., Possible degradation pathways of triclosan from aqueous systems via TiO2 assisted photocatalysis, JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, Volume: 58 Pages: 155-162, Published: FEB 25 2018, WOS:000424182500022
113	Ihos, Monica; Bogatu, Corneliu; Lazau, Carmen; Manea, Florica; Pode, Rodica, Pharmaceutically Active Compounds Degradation Using Doped TiO2 Functionalized Zeolite Photocatalyst, REVISTA DE CHIMIE, Volume: 69 Issue: 1, Pages: 34-37, Published: JAN 2018, WOS:000425369600008
114	Tastan, Burcu Ertit; Tekinay, Turgay; Celik, Hatice Sena; Ozdemir, Caner ; Cakir, Cakir, Dilara Nur, Toxicity assessment of pesticide triclosan by aquatic organisms and degradation studies, REGULATORY TOXICOLOGY AND PHARMACOLOGY Volume: 91 Pages: 208-215 Published: DEC 2017, WOS:000417116400024
115	Constantin, Lucian Alexandru; Cristea, Ionut; Nitoi, Ines; Constantin, Mirela Alina; Nechifor, Gheorghe, Kinetics of Cyclophosphamide and Ifosfamide Degradation from Aqueous System via TiO2 Assisted Photocatalysis, REVISTA DE CHIMIE Volume: 68 Issue: 8 Pages: 1690-1694 Published: AUG 2017, WOS:000410388000003
116	Gheorghievici, Gavril Lucian; Rusu, Corneliu Trisca; Voicila, Elena; Nafliu, Ion Marius ; Cimbru, Anca Maria; Tanczos, Szidonia Katalin, Titanium Dioxide for Biomedical Uses I. The controlled production of nanoparticles by hidrothermal synthesis moderated by dimedone, REVISTA DE CHIMIE Volume: 68 Issue: 1 Pages: 11-15 Published: JAN 2017, WOS:000395499200003
117	Petre, Jana; Galaon, Toma; Iancu, Vasile Ion; Stanescu, Elena ; Pascu, Luoana Florentina ; Simion, Marius ; Cruceru, Liliana, Simultaneous Analysis of Selected Dissolved Pharmaceuticals in the Water of the Danube River and its Three Major Tributaries in Romania, REVISTA DE CHIMIE Volume: 67 Issue: 8 Pages: 1436-1440 Published: AUG 2016, WOS:000384514200005
118	Constantin, Lucian Alexandru; Nitoi, Ines; Cristea, Ionut; Oancea, Petruta, Kinetics of 5-Fluorouracil Degradation by Heterogenous TiO2 Photocatalysis, REVISTA DE CHIMIE Volume: 67 Issue: 8 Pages: 1447-1450 Published: AUG 2016, WOS:000384514200007
119	Galaon, Toma; Petre, Jana; Iancu, Vasile Ion; Cruceru, Liliana; Vasile, Gabriela Geanina; Pascu, Luoana Florentina ; Lehr, Carol Blaziu, Detection of Estrogen Hormones in Danube River and Tributaries Using Liquid Chromatography-Mass Spectrometry, REVISTA DE CHIMIE Volume: 67 Issue: 8 Pages: 1474-1478 Published: AUG 2016, WOS:000384514200014
120	Tastan, Burcu Ertit; Ozdemir, Caner; Tekinay, Turgay, Effects of different culture media on biodegradation of triclosan by Rhodotorula mucilaginosa and Penicillium sp., WATER SCIENCE AND TECHNOLOGY Volume: 74 Issue: 2 Pages: 473-481 Published: JUL 2016, WOS:000380765500022

16                   **Orbeci Cristina, Parvulescu Oana Cristina, Acceleleanu Elena, Dobre Tanase, Effects of Process Factors on Carbon Dioxide Reforming of Methane over Ni/SBA-15 Catalyst, Revista de Chimie, 68 (10), 2017, p. 2325-2328, ISSN: 0034-7752, WOS:000416750000023**

	121	Ciufu, Alina Georgiana; Al Janabi, Ali A. Abbas; Parvulescu, Oana Cristina; Dobre, Tanase; Raducanu, Cristian, Romanian Merino Wool Sorbent for Oil Spill Cleanup, REVISTA DE CHIMIE, Volume: 69 Issue: 9, Pages: 2575-2577, Published: SEP 2018, WOS:000449628400057
	122	Zicman, Laura Ruxandra; Neacsu, Elena; Dragolici, Felicia Nicoleta; Ciobanu, Catalin; Dogaru, Gheorghe ;Parvulescu, Oana Cristina ; Dobre, Tanase, Experimental and Modelling of Aqueous Radioactive Waste Treatment by Ultrafiltration, , REVISTA DE CHIMIE, Volume: 69 Issue: 5, Pages: 1149-1151, Published: MAY 2018, WOS:000434954100023
	123	Cioroiu, Doinita Roxana; Koncsag, Claudia Irina; Gudovan, Dragos; Dobre, Tanase., Fresh Ulva Lactuca Alcoholic Fermentation Products and yields, REVISTA DE CHIMIE, Volume: 69 Issue: 5, Pages: 1226-1228, Published: MAY 2018, WOS:000434954100040
	124	Cioroiu, Doinita Roxana; Parvulescu, Oana Cristina; Dobre, Tanase;Raducanu, Cristian ; Koncsag, Claudia Irina; Mocanu, Alexandra ; Duteanu, Narcis, Slow Pyrolysis of Cystoseira Barbata Brown Macroalgae, REVISTA DE CHIMIE, Volume: 69 Issue: 3, Pages: 553-556, Published: MAR 2018, WOS:000430946500004
	125	Trica, Bogdan; Parvulescu, Oana Cristina; Dobre, Tanase; Al Janabi, Ali A. A; Raducanu, Raducanu, Cristian ; Patrichi, Claudia, Modelling of Ethanol Fermentation Coupled with Product Recovery by Pervaporation, REVISTA DE CHIMIE Volume: 68 Issue: 11 Pages: 2708-2715 Published: NOV 2017, WOS:000416751800051
17		Loreta Nicoleta Costache, Piotr Szczepanski, Cristiana Olteanu , Carmen Georgiana Lica , Sofia Teodorescu, Cristina Orbeci, Bulk Liquid Membrane Separation of Different Cations Using D2EHPA and Cyanex 302 as Carriers, Revista de Chimie, 65(1), 2014, p. 26-32, ISSN 0034-7752, WOS: 000334150300005
	126	Rynkowska, Edyta; Fatyeyeva, Kateryna; Kujawski, Wojciech, Application of polymer-based membranes containing ionic liquids in membrane separation processes: a critical review, REVIEWS IN CHEMICAL ENGINEERING, Volume: 34 Issue: 3, Pages: 341-363, Published: MAY 2018, WOS:000431043000003
18		Octavian Dorca, Piotr Szczepanski, Veronica Ionela Panait,Szidonia-Katalin Tanczos, Andreea Raducu, Cristina Orbeci, Transport and Separation of Zn(II)/Mn(II) in a MultimembraneHybrid System (MHS), Revista de Chimie, 64(9), 2013, p.946-950, ISSN: 0034-7752, WOS: 000326855900005
	127	Szczepanski, Piotr, Treatment of multi-ionic solutions by a hybrid membrane system. Separation, concentration and recovery of Zn <sup>2+</sup> cations, CHEMICAL ENGINEERING RESEARCH & DESIGN , Volume: 132 Pages: 123-134, Published: APR 2018, WOS:000430522300011
19		Cristina Orbeci, Ion Untea, Madelene Dancila, Daniela Simina Stefan - "Kinetics considerations concerning the oxidative degradation by photo-Fenton process of some antibiotics", Environmental Engineering and Management Journal, 9(1), p.1-5, 2010, ISSN: 1582-9596, WOS: 000275701800001

128	Al Ani, Hussam Nadum Abdalraheem; Cimbru, Anca Maria; Tanczos, Szidonia Katalin; Din, Ion Spiridon ; Cuciureanu, Adriana ; Nafliu, Ion Marius ; Nechifor, Gheorghe, Iono-molecular Separation with Composite Membranes III. Nitrophenols separation on polysulphone and composite nanoparticles ultrafiltration, REVISTA DE CHIMIE Volume: 68 Issue: 3 Pages: 427-434 Published: MAR 2017, WOS:000400731900002
129	Gheorghievici, Gavril Lucian; Rusu, Corneliu Trisca; Voicila, Elena; Nafliu, Ion Marius ; Cimbru, Anca Maria ; Tanczos, Szidonia Katalin, Titanium Dioxide for Biomedical Uses I. The controlled production of nanoparticles by hidrothermal synthesis moderated by dimedone, REVISTA DE CHIMIE Volume: 68 Issue: 1 Pages: 11-15 Published: JAN 2017, WOS:000395499200003
130	Liu, Wengui; Zhong, Delai; Zhou, Haiyan; Wang, Linling ; Chen, Jing ; Lu, Xiaohua, ENHANCED DEGRADATION OF CHLORAMPHENICOL IN SOIL USING ACTIVATED CARBON FIBER SUPPORTED NANOSCALE ZEROVALENT IRON COUPLED WITH MICROWAVE IRRADIATION, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 15 Issue: 10 Pages: 2215-2221 Published: OCT 2016, WOS:000392223200011
21	<b>Orbeci C., Pascu L. F., Modrogan C., Degradation of Organic Compounds from Industrial Pharmaceutical Effluent Through Advanced Oxidation Processes, Revista de Chimie 66 (4), 2015, p. 482-486, ISSN: 0034-7752, WOS: 000354914500009</b>
131	Ihos, Monica; Bogatu, Corneliu; Cristea, Ionut; Manea, Florica, Pode, Rodica, Custom-made Dimensionally Stable Anodes for Diclofenac Electrochemical Degradation, REVISTA DE CHIMIE Volume: 67 Issue: 8 Pages: 1462-1465 Published: AUG 2016, WOS:000384514200011
22	<b>Nechifor Aurelia Cristina, Abbas Abdul Kadhim Klaif Rikabi, Daniela Dumitra Clej, Szidonia Katalin Tanczos, Corneliu Trisca-Rusu, Cristina Orbeci, Synthesis of TiO<sub>2</sub>-Fe<sub>3</sub>O<sub>4</sub> composite nanoparticles for ampicillin and penicillin G photo-degradation, Revista Română de Matăriale/Romanian Journal of Materials, 45 (1), 2015, p.80-90, ISSN: 1583-3186, WOS: 000352755800011</b>
132	Clej (Slave), Dumitra Daniela; Ardelean, Ioana Lavinia; Nechifor, Gheorghe, Applicability of Ferromagnetic Nanoparticles in the Retention of Heavy Metals from Aqueous Solutions, REVISTA DE CHIMIE Volume: 68 Issue: 6 Pages: 1320-1324 Published: JUN 2017, WOS:000408702900036
133	Molea, A.; Popescu, V.; Popescu, G. L.; Suciu, R. C.; Dinescu, A.; Moldovan, M., Synthesis and characterisation of titanium dioxide nanoparticles sensitised with natural chlorophyll dye extracted from Mentha leaves, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 19 Issue: 3-4 Pages: 272-277 Published: MAR-APR 2017, WOS:000411913200023

134	Gheorghievici, Gavril Lucian; Rusu, Corneliu Trisca; Voicila, Nafliu, Ion Marius ; Cimbru, Anca Maria; Tanczos, Szidonia Katalin, Titanium Dioxide for Biomedical Uses I. The controlled production of nanoparticles by hidrothermal synthesis moderated by dimedone, REVISTA DE CHIMIE Volume: 68 Issue: 1 Pages: 11-15 Published: JAN 2017, WOS:000395499200003
135	Slave, Daniela Dumitra; Gales, Laurentia N.; Totu, Eugenia Eftimie; Al-Ani, Hussam Nadum Abdalraheem ;Panait, Veronica ; Nechifor, Aurelia Cristina, Applicability of Ferromagnetic Nanoparticles in Surface Water Treatment with Biological Loads, REVISTA DE CHIMIE Volume: 67 Issue: 6 Pages: 1034-1038 Published: JUN 2016, WOS:000385510300002
23	<b>Cristina Orbeci, Cristina Modrogean, Annette Madelene Dăncilă, Degradation of pharmaceutical effluents by photo-assisted techniques, Revista de Chimie, 67 (1), 2016, p. 166-170, ISSN: 0034-7752, WOS:000369524300037</b>
136	Al-Qasmi, Noha; Soomro, M. Tahir; Aslam, M.; Rehman, Ateeq Ur ; Ali, Shahid ; Danish, Danish, Ekram Y ; Ismail, Iqbal M. I ;(Hameed, A., The efficacy of the ZnO:alpha-Fe2O3 composites modified carbon paste electrode for the sensitive electrochemical detection of loperamide: A detailed investigation, JOURNAL OF ELECTROANALYTICAL CHEMISTRY Volume: 783 Pages: 112-124 Published: DEC 15 2016, WOS:000390627500016
137	Ihos, Monica; Bogatu, Corneliu; Cristea, Ionut; Manea, Florica ; Pode, Rodica, Custom-made Dimensionally Stable Anodes for Diclofenac Electrochemical Degradation, REVISTA DE CHIMIE Volume: 67 Issue: 8 Pages: 1462-1465 Published: AUG 2016, WOS:000384514200011
24	<b>Cristina Orbeci, Veronica Panait, Lacramiora Naftanaila, Octavian Dorca, Szidonia-Katalin Tanczos, Alexandra Raluca Miron, The study of protein recovery using molecular flotation and ultrafiltration, Revista de Chimie 64(12), 2013, p.1335-1339, ISSN 0034-7752, WOS: 000330914400004</b>
138	Rikabi, Abbas Abdul Kadhim Klaif; Balaban (Chelu), Mariana; Harabor, Iulia; Albu, Paul Constantin; Segarceanu, Mircea ; Nechifor, Gheorghe, Iono-molecular Separation with Composite Membranes I. Preparation and characterization of membranes with polysulfone matrix, REVISTA DE CHIMIE Volume: 67 Issue: 9 Pages: 1658-1665 Published: SEP 2016, WOS:000385266600002
139	Pascu, Daniela -Elena; Modrogean, Cristina; Miron, Alexandra Raluca; Albu, Paul Constantin ; Clej, Daniela Dumitra ; Pascu (Neagu), Mihaela ; Capraescu, Simona, Use of Mathematical Modelling in Water and Wastewater Area,, REVISTA DE CHIMIE Volume: 66 Issue: 12 Pages: 1950-1955 Published: DEC 2015, WOS:000368437100007

25                   **Nechifor, Aurelia Cristina; Ghindeanu, Lucian Danut; Orbeci, Cristina ; Dorca, Octavian ; Totu, Eugenia Eftimie, MAGNETITE-POLYETHYLENEGLYCOL-CYANURYL CHLORIDE REACTIVE NANOPARTICLES, REVISTA ROMANA DE MATERIALE/ROMANIAN JOURNAL OF MATERIALS, Volume: 43 Issue: 3 Pages: 285-292, Published: 2013, WOS:000324848100007**

140	Clej Slave, Dumitra Daniela, Ardelean, Ioana Lavinia, Nechifor, Gheorghe, Applicability of Ferromagnetic Nanoparticles in the Retention of Heavy Metals from Aqueous Solutions, REVISTA DE CHIMIE, Volume: 68 Issue: 6 Pages: 1320-1324, Published: JUN 2017, WOS:000408702900036
141	Gheorghievici, GL; Rusu, Corneliu Trisca; Voicila, Elena; Nafliu, Ion Marius; Cimbru, Anca Maria; Tanczos, Szidonia Katalin, Titanium Dioxide for Biomedical Uses I. The controlled production of nanoparticles by hidrothermal synthesis moderated by dimedone, REVISTA DE CHIMIE, Volume: 68 Issue: 1 Pages: 11-15 Published: JAN 2017, WOS:000395499200003
142	Slave, Daniela Dumitra; Gales, Laurentia N; Totu, Eugenia Eftimie; Al-Ani, Hussam Nadum Abdalraheem; Panait, Veronica I; Nechifor, Aurelia Cristina, REVISTA DE CHIMIE, Volume: 67 Issue: 6 Pages: 1034-1038, Published: JUN 2016, WOS:000385510300002

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