



ACADEMIA ROMÂNĂ
SCOSAAR

Anexa nr. 2

FIȘA DE ÎNDEPLINIRE A STANDARDELOR MINIMALE conform CNATDCU

Candidat: Dr. Marcela MIHAI
Cercetator științific gradul II

FIȘA DE VERIFICARE a îndeplinirii standardelor minimale

| Condiții minimale | | | |
|---|-------------------|----------------|---------------------|
| Categoria | | | Punctaj candidat |
| Domeniul de activitate | Condiții Profesor | Condiții CS I | |
| Activitatea didactică/profesională (A1) | 9 | 0 | 21 |
| Activitatea de cercetare (A2) | Min. 41 puncte | Min. 41 puncte | 39+2+4+18= 63 |
| Recunoașterea impactului activității (A3) | Min. 50 puncte | Min. 50 puncte | 78,5 |
| TOTAL | Min. 100 puncte | Min. 91 puncte | 162,5 |

Data:

Semnătura:

Conform Ordin nr. 6560/2012/Anexa nr. 4. Comisia CHIMIE

| Structura activității – Dr. Marcela Mihai, CS II | | | | | | | |
|--|--|--------------------------------|---|---|------------|--|------------------------------|
| Nr. Crt. | Domeniul activităților | Tipul activităților | | Categorii și restricții | Indicatori | Număr activități candidat | Punctaj realizat de candidat |
| 0 | 1 | 2 | | 3 | 4 | 5 | 6 |
| 1 | Activitate didactică și profesională (A1) | 1.1 | Carti sau capitole de carte Profesor: minim 3, minim 1 prim autor | Profesor – 9 CS I – 0 | 3 | 7 (1 carte, 6 capitole de carte, prim autor 3 capitole de carte) | 21 |
| 2 | Activitate de cercetare (A2) | 2.1 | Articole în reviste cotate ISI Thomson Reuters | Minim 35 | 1 | 39 | 39 |
| | | | | Minim 23 în reviste internaționale | - | 26 | - |
| | | | | FI cumulat, minim 40 | - | 93,6 | - |
| | | | | Autor principal/corespondent, minim 10 articole | | 22* | |
| | | Brevete de invenție și inovare | internationale | 10 | - | - | |
| | | | nationale | 1 | 2 | 2 | |
| 2.2 | Granturi /proiecte naționale câștigate prin competiție | Director proiect, minim 1 | 4 | 1 | 4 | | |
| | | Membru in echipa, minim 1 | 2 | 9 | 18 | | |
| 3 | Recunoașterea și impactul activității (A3) | 3.1 | Citări în reviste ISI | Minim 100 | 0,5 | 157 | 78,5 |

Data:

Semnătura:



1. Activitate didactică și profesională (A1)

1.1. Cărți sau capitole de carte

Cărți publicate

- 1.1.1. E. S. Drăgan, **Marcela Mihai**, *Sisteme ionice multicomponente*, Ed. Tehnopress, ISBN: 987-973-702-766-5, 255 pg, 2010

Capitole în cărți

- 1.1.2. E. S. Drăgan, **Marcela Mihai**, *Molecular and supramolecular systems containing azobenzene chromophores*, în: *New Trends in Ionic (Co)polymers and Hybrids*, Ed. – E.S. Drăgan, Nova Science Publishers, USA, pg. 1-30, 2007
- 1.1.3. **Marcela Mihai**, E. S. Drăgan, *Polyelectrolyte complex nanoparticles investigated by dynamic light scattering and atomic force microscopy*, în: *Micro and Nanoengineering Series*, vol 11: *Progress in Nanoscience and Nanotechnologies*, Eds. – I. Kleps, A.C. Ion, D. Dascălu, Ed. Academiei Române, pg. 58-67, 2007
- 1.1.4. **Marcela Mihai**, E. S. Drăgan, *Membrane Surface Modification by Alternate Adsorption of Oppositely Charged Polyelectrolytes*, în *Trends in Membranology*, ed. – S. I. Voicu, Ghe. Nechifor, ISBN 978-606-521-525-2, Ed. PRINTECH, pg 59-64, 2010
- 1.1.5. E. S. Drăgan, M. V. Dinu, **Marcela Mihai**, *Separations by Multicomponent Ionic Systems Based on Natural and Synthetic Polycations*, în *Ion Exchange and Solvent Extraction: A Series of Advances*, vol. 20, ed. – Arup K. SenGupta, CRS Press Taylor & Francis Group, pg 233-291, 2011
- 1.1.6. **Marcela Mihai**, R.D. Rusu, *Introducere*, în *Resursele strategice ale României. Problemele prezentului și provocările viitorului*, Coordonator: Acad. Bogdan C. Simionescu, Editori: Marcela Mihai, R. D. Rusu, Editura StudIS, ISBN: 978-606-775-010-2, pg 7-17, 2015
- 1.1.7. R.D. Rusu, **Marcela Mihai**, *Principii, obiective și linii directe pentru o strategie de dezvoltare durabilă*, în *Resursele strategice ale României. Problemele prezentului și provocările viitorului*, Coord. Acad. Bogdan C. Simionescu, Eds. R. D. Rusu, Marcela Mihai, Editura StudIS, ISBN: 978-606-775-124-6, Cap. 1, pg 3-14, 2016

2. Activitate de cercetare (A2)

2.1. Articole în reviste cotate ISI Thomson Reuters și brevete de invenție și inovare

(casete gri pentru lucrări ca autor principal)

| Nr. Crt | Articole în reviste cotate ISI Thomson Reuters | Factor impact (2015) |
|----------------------------------|---|----------------------|
| <i>în reviste internaționale</i> | | |
| 1 | S. Drăgan, Marcela Mihai , L. Ghimici <i>Viscometric study of poly(sodium 2-acrylamido-2-methylpropanesulfonate) and two random copolymers</i> Eur. Polym. J. 39, 1847-1854, 2003 | 3.005 |
| 2 | E. S. Drăgan, Marcela Mihai , J. Schauer, L. Ghimici <i>PAN Composite Membrane with Different Solvent Affinities Controlled by Surface Modification Methods</i> J. Polym. Sci. Part A: Polym. Chem. 43, 4161-4171, 2005 | 3.113 |
| 3 | E. S. Drăgan, Marcela Mihai , A. Airinei <i>Thermochemically Induced Binding of Methyl Orange to Polycations Containing Primary Amine Groups</i> J. Polym. Sci. Part A: Polym. Chem. 44, 5898-5908, 2006 | 3.113 |
| 4 | E. S. Drăgan, Marcela Mihai , S. Schwarz <i>Polyelectrolyte complex dispersions with a high colloidal stability controlled by the polyion structure and titrant addition rate</i> Colloids Surf. A 290, 213-221, 2006 | 2.752 |
| 5 | Marcela Mihai , E. S. Drăgan, S. Schwarz, A. Janke <i>Dependency of Particle Sizes and Colloidal Stability of Polyelectrolyte Complex Dispersions on Polyanion Structure and Preparation Mode Investigated by Dynamic Light Scattering and Atomic Force Microscopy</i> J. Phys. Chem. B 111(29), 8668-8675, 2007 | 3.302 |
| 6 | E. S. Drăgan, Marcela Mihai , S. Schwarz <i>Complex Nanoparticles Based on Chitosan and Ionic/Nonionic Strong Polyanions: Formation, Stability, and Application</i> ACS Appl. Mater. Interfaces 1(6), 1231-1240, 2009 | 6.723 |
| 7 | Marcela Mihai , E.S. Drăgan <i>Chitosan based nonstoichiometric polyelectrolyte complexes as specialized flocculants</i> Colloid. Surf. A 346, 39-46, 2009 | 2.752 |
| 8 | E. S. Drăgan, I. A. Dinu, Marcela Mihai <i>Conformational changes of strong polycations in the presence of divalent counterions and their influence upon the flocculation efficiency</i> Colloid. Surf. A 348, 282-288, 2009 | 2.752 |
| 9 | I.A. Dinu, Marcela Mihai , E. S. Drăgan <i>Comparative study on the formation and flocculation properties of polyelectrolyte complex dispersions based on synthetic and natural polycations</i> Chem. Eng. J. 160, 115-121, 2010 | 4.321 |

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| 10 | Marcela Mihai , C.A. Ghiorghită, I. Stoica, L. Niță, I. Popescu, Ghe. Fundueanu <i>New polyelectrolyte complex particles as colloidal dispersions based on weak synthetic and/or natural polyelectrolytes</i> eXPRESS Polym. Lett. 5(6), 506-515, 2011 | 2.761 |
| 11 | Marcela Mihai , I. Stoica, S. Schwarz <i>pH sensitive nanostructured architectures based on synthetic and/or natural weak polyelectrolytes</i> Colloid. Polym. Sci. 289, 1387-1396, 2011 | 1.865 |
| 12 | Marcela Mihai , E. S. Drăgan <i>Hybrid organic/inorganic composites based on silica and weak synthetic polyelectrolytes</i> , J. Mater. Sci. 46(17), 5723-5731, 2011 | 2.371 |
| 13 | E. S. Drăgan, Marcela Mihai , G. Hitruc, D. Paneva, N. Manolova, I. Rashkov <i>Composite Multilayer Thin Films Morphology and Their Interactions with Proteins as a Function of Polyanion Structure</i> Macromol. Res. 19(10), 1062-1070, 2011 | 1.597 |
| 14 | Marcela Mihai , F. Bucătariu, M. Aflori, S. Schwarz <i>Synthesis and characterization of new CaCO₃ / poly(2-acrylamido-2-methylpropanesulfonic acid-co-acrylic acid) polymorphs, as templates for core/shell</i> J. Cryst. Growth 351(1), 23-31, 2012 | 1.698 |
| 15 | M.-D. Dămăceanu, Marcela Mihai , I. Popescu, M. Brumă, S. Schwarz <i>Synthesis and characterization of a new oxadiazole-functionalized maleic anhydride-N-vinyl-pyrrolidone copolymer and its application in CaCO₃ based microparticles</i> React. Funct. Polym. 72(9), 635-641, 2012 | 2.515 |
| 16 | Marcela Mihai , M.-D. Dămăceanu, M. Aflori, S. Schwarz <i>Calcium carbonate microparticles growth templated by an oxadiazole-functionalized maleic anhydride-co-N-vinyl-pyrrolidone copolymer, with enhanced pH stability and variable loading capabilities</i> Cryst. Growth Des. 12(9), 4479-4486, 2012 | 4.891 |
| 17 | I. Popescu, D. M. Suflet, Marcela Mihai <i>Influence of the comonomer structure and of the initial pH on the characteristics of polyelectrolyte complexes based on maleic acid copolymers</i> J. Polym. Res. 19(9), 9958-9969, 2012 | 1.920 |
| 18 | Marcela Mihai , S. Schwarz, A. Janke, C. A. Ghiorghită, E. S. Drăgan <i>Silica microparticles surface coating by layer-by-layer or polyelectrolyte complex adsorption</i> J. Polym. Res. 20:89, 2013 | 1.920 |
| 19 | Marcela Mihai , S. Schwarz, F. Simon <i>Nonstoichiometric Polyelectrolyte Complexes Versus Polyanions as Templates on CaCO₃-Based Composite Synthesis</i> Cryst. Growth Des. 13, 3144-3153, 2013 | 4.891 |
| 20 | Marcela Mihai , V. Socoliuc, F. Doroftei, E.-L. Ursu, M. Aflori, L. Vekas, B. C. Simionescu <i>Calcium Carbonate-Magnetite-Chondroitin Sulfate Composite Microparticles with Enhanced pH Stability and Superparamagnetic Properties</i> Cryst. Growth Des. 13, 3535-3545, 2013 | 4.891 |

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| 21 | Marcela Mihai , G. Mountrichas, S. Pispas, I. Stoica, M. Aflori, M. Auf der Landwehr, I. Neda, S. Schwarz <i>Calcium carbonate microparticle templates using a PHOS-b -PMAA double hydrophilic copolymer</i> J. Appl. Cryst. 46, 1455–1466, 2013 | 3.720 |
| 22 | F. Doroftei, M. D. Dămăceanu, B. C. Simionescu, Marcela Mihai (autor corespondent) <i>Calcium carbonate microparticles growth controlled by conjugate drug-copolymer and crystallization time</i> Acta Cryst. B 70, B70, 227-235, 2014 | 2.184 |
| 23 | Marcela Mihai , S. Schwarz, F. Doroftei, B. C. Simionescu <i>Calcium carbonate/polymers microparticles tuned by complementary polyelectrolytes as complex macromolecular templates</i> Cryst. Growth Des. 14, 6073–6083, 2014 | 4.891 |
| 24 | Marcela Mihai , I. Bunia, F. Doroftei, C.-D. Varganici, B. C. Simionescu <i>Highly efficient Cu(II) ion sorbents obtained by CaCO₃ mineralization on functionalized cross-linked copolymers</i> Chem. – Eur. J. 21(13), 5220-5230, 2015 | 5.731 |
| 25 | F. Doroftei, Marcela Mihai (autor corespondent), L. Sacarescu, G. Fundueanu, B. C. Simionescu <i>Composite materials based on poly(N-isopropylacrylamide-co-methacrylic acid) hydrogels and calcium carbonate</i> High Perform Polym 27(5), 516–525, 2015 | 1.296 |
| 26 | Marcela Mihai , C. Steinbach, M. Aflori, S. Schwarz <i>Design of high sorbent pectin/CaCO₃ composites tuned by pectin characteristics and carbonate source</i> Mater. Design 86, 388–396, 2015 | 3.501 |
| <i>în reviste naționale</i> | | |
| 27 | E. S. Drăgan, L. Ghimici, Marcela Mihai <i>Pollutants removal with synthetic polycations and their complexes</i> Environ. Eng. Manag. J 4(5), 625-634, 2006 | 1.065 |
| 28 | Marcela Mihai , E. S. Drăgan <i>Formation and colloidal stability of some polyelectrolyte complex dispersions based on random copolymers of AMPS</i> Rev. Roum. Chim. 52(3), 267-273, 2007 | 0.311 |
| 29 | Marcela Mihai , L. Ghimici, E. S. Drăgan <i>Application of polycations in separation processes</i> Environ. Eng. Manag. J. 6(5), 419-424, 2007 | 1.065 |
| 30 | E. S. Drăgan, Marcela Mihai <i>Polyanion structure and mixing conditions - useful tools to tailor the characteristics of polyelectrolyte complex particles</i> J. Optoelectron. Adv. Mater. 9(12), 3927-3232, 2007 | 0.429 |
| 31 | D. Paneva, N. Manolova, I. Rashkov, H. Penchev, Marcela Mihai , E. S. Drăgan <i>Self-organization of fibers into yarns during electrospinning of polycation/polyanion polyelectrolyte pairs</i> Digest J. Nanomater. Biostruct. 5(4), 811-819, 2010 | 0.945 |

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| 32 | M. Murariu, R. V. Grădinaru, Marcela Mihai , Ș. Jurcoane, G. Drochioiu <i>Unexpected effect of nickel complexes of some histidine containing peptides on Escherichia coli</i> Rom. Biotechnol. Lett. 16(3), 6242-6246, 2011 | 0.404 |
| 33 | Marcela Mihai <i>Novel biocompatible chitosan based multilayer films</i> Rom. Biotechnol. Lett. 16(4), 6313-6321, 2011 | 0.404 |
| 34 | Marcela Mihai , C. A. Ghiorghită, E. S. Drăgan <i>Stimuli responsive micro-composites tailored by alternate adsorption of weak polyelectrolytes on a microporous membrane</i> Digest J. Nanomat. Biostruct. 6(1), 235-243, 2011 | 0.945 |
| 35 | F. Bucătariu, C.-A. Ghiorghită, Marcela Mihai , F. Simon, E. S. Drăgan <i>Pepsin and Lysozyme Immobilization onto Daisogel Particles Functionalized with Chitosan Cross-linked Multilayers</i> Rev Chim. 64(3), 334-337, 2013 | 0.810 |
| 36 | Marcela Mihai , F. Bucătariu, F. Doroftei <i>Synthesis and Characterization of New Hollow Calcium Carbonate/Polyanion Microspheres</i> Rev Chim. 64(3), 338-342, 2013 | 0.810 |
| 37 | C.-A. Ghiorghita, F. Bucatariu, G. Hitruc, Marcela Mihai , E. S. Dragan <i>Polyelectrolyte Multilayers Composed of Chitosan and Poly(acrylic acid) I. Deposition conditions and post-treatment strategies</i> Materiale Plastice 51, 323-327, 2014 | 0.824 |
| 38 | C.-A. Ghiorghita, F. Bucatariu, Marcela Mihai , E. S. Dragan <i>Polyelectrolyte Multilayers Composed of Chitosan and Poly(acrylic acid) II. Sorption/release of methylene blue</i> Materiale Plastice 52, 51-54, 2015 | 0.824 |
| 39 | Marcela Mihai , G. Mountrichas, S. Pispas, B. C. Simionescu <i>Effects of PHOS-b-PMAA additive and pH on the formation of calcium carbonate composite microparticles</i> Rev. Roum. Chim. 2016 (acceptată) | 0.311 |
| Factor de impact cumulat | | 93.623 |

Brevete de invenție și inovare

1. E. S. Drăgan, **Marcela Mihai**, *Procedeu de îndepărtare a suspensiilor fine din sisteme apoase folosind complecși polielectrolitici nestoechiometrici*, Brevet Nr. 125705, 28.10.2011
2. E. S. Drăgan, **Marcela Mihai**, *Procedeu de preparare a complecșilor polielectrolitici ca dispersii coloidale stabile*, Brevet Nr. 125706, 30.01.2013

2.2. Granturi /proiecte naționale câștigate prin competiție

(a) Director proiect

- 2.2.1.** *Microcapsule pe bază de carbonat de calciu și polimeri sensibili la pH, materiale avansate de eliberare controlată a medicamentelor*
 Contract finanțare PN II/TE 94/2015
 Perioada: 01.10.2015 – 30.09.2017
 Valoare proiect: 550.000 lei
 Director proiect: Dr. **Marcela Mihai**
 Echipa: **Marcela Mihai**, F. Doroftei, C. Barbu-Mic, L. Matricala, S. Racoviță

(b) Membru în echipă

- 2.2.2.** *Nanoarhitecturi multistrat autoasamblate electrostatic*
 Contract de grant Nr. 5052/17.11.1999
 Perioada: 1.01 – 31.12.2001
 Valoare proiect (etapa 2001): 2.250 lei
 Responsabil grant: Dr. E. S. Drăgan
 Echipa: E. S. Drăgan, L. Ghimici, M. Cristea, D. Țîmpu, **Marcela Schwab (Mihai)**
- 2.2.3.** *Nanoinginerie aplicată la obținerea unor materiale reactive cu arhitectură controlată*
 Contract de grant Nr. 32953/22.06.2004; Cod CNCISIS 242
 Perioada: 22.06.2004 – 22.06.2006
 Valoare proiect: 39.400 lei
 Director proiect: Dr. E. S. Drăgan
 Echipa: E.S. Drăgan, L.Ghimici, M. Cristea, **Marcela Mihai**, M. Dinu, F. Bucătariu, I. Dinu
- 2.2.4.** *Tehnologii de epurare avansată pentru recircularea efluenților industriali – RIWA-TECH*
 Subcontract de finanțare Nr. 2883P/03.10.2005/CEEX
 Perioada: 3.10.2005 – 3.10.2008
 Valoare proiect: 78.958 lei
 Director proiect: Prof. C. Teodosiu, Univ. Tehnică “Gh. Asachi” Iași
 Responsabil științific partener 3 (ICMPP): Dr. E.S. Drăgan
 Echipa: E.S. Drăgan, L. Ghimici, **Marcela Mihai**
- 2.2.5.** *Rețea științifică integrată pentru dezvoltarea materialelor polimere multifuncționale bazate pe cunoaștere – MULTIPOL*
 Contract de finanțare Nr 40(510)/2005
 Perioada: 15.12.2005 – 30.09.2008
 Valoare proiect: 305.000 lei
 Director proiect: Dr. V. Harabagiu

Echipa: B.C. Simionescu, E.S. Drăgan, V. Bărboiu, M. Nichifor, G.C. Chițanu, M. Grigoraș, G. Mocanu, E. Buruiană, A. Airinei, T. Buruiană, M. Pinteală, C. Ungurenașu, L. Ghimici, M. Cristea, E. Rusu, D. Țîmpu, M. Cazacu, L. Săcăărăscu, V. Hamciuc, A. Farcaș, C. Racleș, G. Funduenu, V. Neagu, M. Constantin, M. D. Suflet, I. Bunia, T. Rusu, I. Popescu, S. Vasiliu, N. Fifere, D. Enescu, A. Fifere, M. Spulber, C. Peptu, I. Pelin, N. Marangoci, A. Durdureanu, **Marcela Mihai**, F. Bucătariu

2.2.6. *Membrane microbiologice și polimeri sintetici biocompatibile cu potențiale aplicații la îndepărtarea metalelor grele și radioactive din mediu – BIOMETAC*

Contract finanțare 32-173/2008, Parteneriate în domeniile prioritare

Perioada: 01.10.2008 – 01.10.2011

Valoare proiect: 196.708 lei

Director proiect: Prof. G. Drochioiu, Universitatea "Al. I. Cuza" Iași

Responsabil partener ICMPP: Dr. E.S. Drăgan

Echipa: E.S. Drăgan, I. Bunia, V. Neagu, **Marcela Mihai**, F. Bucătariu, M. V. Dinu, M. Murariu, D. F. Apopei, I. A. Dinu, M. M. Perju

2.2.7. *(Bio)compozite nanostructurate sensibile la stimuli externi*

Contract de finanțare PN II/ IDEI 483/2009

Perioada: 22.01.2009 – 22.01.2011

Valoare proiect: 477.675 lei

Director proiect: Dr. E. S. Drăgan

Echipa: E. S. Drăgan, M. Cazacu, **Marcela Mihai**, M. V. Dinu, M. Murariu, M. M. Perju

2.2.8. *Modificări conformaționale ale peptidelor implicate în patologiile neurodegenerative sub acțiunea metalelor și variațiilor de pH*

Contract finanțare PN II/ IDEI 313/2011

Perioada: 5.10.2011 – 5.10.2014

Valoare proiect: 1.300.000 lei

Director proiect: Dr. M. Murariu

Echipa: M. Murariu, G. Drochioiu, A. Petre, **Marcela Mihai**, I. Bunia, B. Nechita, A. Adochiței, L. Habasescu, A. A. Mitel

2.2.9. *Impactul acumulării metalelor grele asupra mediului și productivității ecosistemelor forestiere: tehnologii non-convenționale de remediere a padurilor contaminate*

Contract finanțare PN-II / PARTENERIATE / 107/2014

Perioada: 26.09.2014 – 25.09.2016

Valoare proiect: 1.240.000 lei

Director proiect: Dr. M. Murariu

Echipa: M. Murariu, C. Florea, **Marcela Mihai**, I. Bunia, M. Fundueanu, D. M. Suflet, I. Popescu, I. Pelin, T. Bunia, M. Marcu

2.2.10. Strategia de dezvoltare a României în următorii 20 ani, 2016-2035, Proiectul interdisciplinar 2. Resursele naturale – Rezerve strategice. Ce folosim și ce lăsăm generațiilor viitoare, Contact finanțare Academia Română, Director proiect: Acad. Bogdan C. Simionescu
Contract finanțare Fundația Patrimoniul/Academia Română
Perioada: 01.05 – 30.12.2016
Valoare proiect: 180.000 lei
Director proiect: Acad. Bogdan C. Simionescu
Echipa: B. C. Simionescu, **Marcela Mihai**, R.D. Rusu, D. Rusu, R. Andone

3. Recunoașterea și impactul activității (A3)

Citări în reviste ISI (Web of Science)

| | |
|---|------------|
| Sum of the Times Cited: | 220 |
| Sum of Times Cited without self-citations: | 157 |
| Average Citations per Item: | 6.47 |
| h-index: | 9 |

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[My Tools](#) ▾ [Search History](#) [Marked List](#) **34**

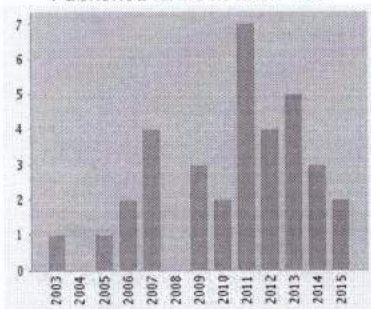
Citation Report: 34

(from All Databases)

You searched for: **From Marked List:** ...More

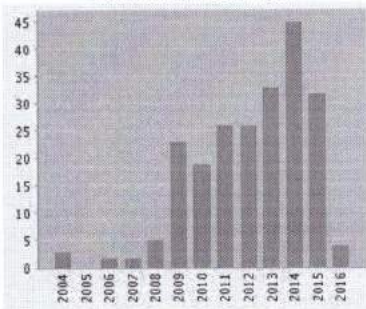
This report reflects citations to source items indexed within All Databases.

Published Items in Each Year



The latest 20 years are displayed.

Citations in Each Year



The latest 20 years are displayed.

Results found: 34
 Sum of the Times Cited [?]: 220
 Sum of Times Cited without self-citations [?]: 157
 Citing Articles [?]: 161
 Citing Articles without self-citations [?]: 137
 Average Citations per Item [?]: 6.47
 h-index [?]: 9

Sort by: **Times Cited -- highest to lowest**

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| | 2012 | 2013 | 2014 | 2015 | 2016 | Total | Average Citations per Year |
|--|------|------|------|------|------|-------|----------------------------|
| Use the checkboxes to remove individual items from this Citation Report or restrict to items published between <input type="text" value="1950"/> and <input type="text" value="2016"/> <input type="button" value="Go"/> | 26 | 33 | 45 | 32 | 4 | 220 | 16.92 |
| <input checked="" type="checkbox"/> 1. Chitosan based nonstoichiometric polyelectrolyte complexes as specialized flocculants EN By: Mihai, Marcela; Dragan, Ecaterina Stela COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS Volume: 346 Issue: 1-3 Pages: 39-46 Published: AUG 20 2009 | 5 | 3 | 5 | 2 | 1 | 23 | 2.88 |
| <input checked="" type="checkbox"/> 2. Viscometric study of poly(sodium 2-acrylamido-2-methylpropanesulfonate) and two random copolymers EN By: Dragan, S; Mihai, M; Ghimici, L EUROPEAN POLYMER JOURNAL Volume: 39 Issue: 9 Pages: 1847-1854 Published: SEP 2003 | 2 | 1 | 2 | 0 | 0 | 23 | 1.64 |
| <input checked="" type="checkbox"/> 3. Polyelectrolyte complex dispersions with a high colloidal stability controlled by the polyion structure and titrant addition rate EN By: Dragan, Ecaterina Stela; Mihai, Marcela; Schwarz, Simona COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS Volume: 290 Issue: 1-3 Pages: 213-221 Published: NOV 15 2006 | 3 | 1 | 3 | 2 | 0 | 21 | 1.91 |
| <input checked="" type="checkbox"/> 4. Complex Nanoparticles Based on Chitosan and Ionic/Nonionic Strong Polyanions: Formation, Stability, and Application EN By: Dragan, Ecaterina Stela; Mihai, Marcela; Schwarz, Simona ACS APPLIED MATERIALS & INTERFACES Volume: 1 Issue: 6 Pages: 1231-1240 Published: JUN 2009 | 1 | 2 | 3 | 2 | 0 | 17 | 2.12 |
| <input checked="" type="checkbox"/> 5. Dependency of particle sizes and colloidal stability of polyelectrolyte complex dispersions on polyanion structure and preparation mode investigated by dynamic light scattering and atomic force microscopy EN By: Mihai, Marcela; Dragan, Ecaterina Stela; Schwarz, Simona; et al. Conference: 6th International Symposium on Polyelectrolytes Location: Dresden, GERMANY Date: SEP, 2006 JOURNAL OF PHYSICAL CHEMISTRY B Volume: 111 Issue: 29 Pages: | 2 | 1 | 3 | 0 | 0 | 17 | 1.70 |

8668-8675 Published: JUL 26 2007

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|-------------------------------------|-----|--|---|---|---|---|---|----|------|
| <input checked="" type="checkbox"/> | 6. | Synthesis and characterization of new CaCO ₃ /poly(2-acrylamido-2-methylpropanesulfonic acid-co-acrylic acid) polymorphs, as templates for core/shell particles | 0 | 5 | 3 | 4 | 0 | 12 | 2.40 |
| EN | | By: Mihai, Marcela; Bucatariu, Florin; Aflori, Magda; et al. JOURNAL OF CRYSTAL GROWTH Volume: 351 Issue: 1 Pages: 23-31 Published: JUL 15 2012 | | | | | | | |
| <input checked="" type="checkbox"/> | 7. | New polyelectrolyte complex particles as colloidal dispersions based on weak synthetic and/or natural polyelectrolytes | 2 | 3 | 4 | 1 | 0 | 11 | 1.83 |
| EN | | By: Mihai, M.; Ghiorghita, C. A.; Stoica, I.; et al. EXPRESS POLYMER LETTERS Volume: 5 Issue: 6 Pages: 506-515 Published: JUN 2011 | | | | | | | |
| <input checked="" type="checkbox"/> | 8. | Calcium Carbonate Microparticles Growth Templated by an Oxadiazole-Functionalized Maleic Anhydride-co-N-vinylpyrrolidone Copolymer, with Enhanced pH Stability and Variable Loading Capabilities | 0 | 4 | 3 | 3 | 0 | 10 | 2.00 |
| EN | | By: Mihai, Marcela; Damaceanu, Mariana-Dana; Aflori, Magdalena; et al. CRYSTAL GROWTH & DESIGN Volume: 12 Issue: 9 Pages: 4479-4486 Published: SEP 2012 | | | | | | | |
| <input checked="" type="checkbox"/> | 9. | Thermochemically induced binding of methyl orange to polycations containing primary amine groups | 0 | 1 | 0 | 1 | 0 | 9 | 0.82 |
| EN | | By: Dragan, Ecaterina Stela; Mihai, Marcela; Airinei, Anton JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY Volume: 44 Issue: 20 Pages: 5898-5908 Published: OCT 15 2006 | | | | | | | |
| <input checked="" type="checkbox"/> | 10. | PAN composite membrane with different solvent affinities controlled by surface modification methods | 0 | 1 | 0 | 0 | 0 | 9 | 0.75 |
| EN | | By: Dragan, ES; Mihai, M; Schauer, J; et al. JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY Volume: 43 Issue: 18 Pages: 4161-4171 Published: SEP 15 2005 | | | | | | | |

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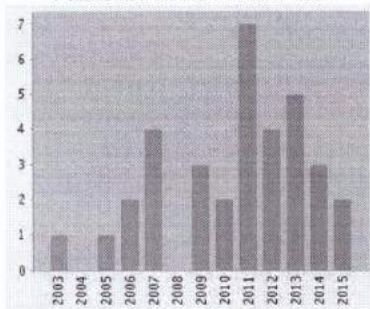
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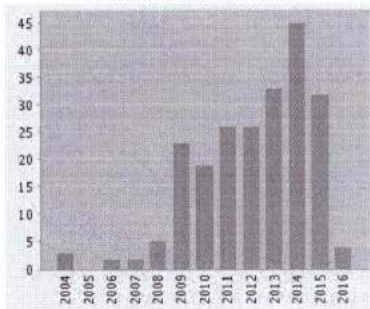
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| <input checked="" type="checkbox"/> 11. SELF-ORGANIZATION OF FIBERS INTO YARNS DURING ELECTROSPINNING OF POLYCATION/POLYANION POLYELECTROLYTE PAIRS EN By: Paneva, D.; Manolova, N.; Rashkov, I.; et al. DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES Volume: 5 Issue: 4 Pages: 811-819 Published: OCT-DEC 2010 | 0 | 1 | 3 | 2 | 1 | 8 | 1.14 |
| <input checked="" type="checkbox"/> 12. Comparative study on the formation and flocculation properties of polyelectrolyte complex dispersions based on synthetic and natural polycations EN By: Dinu, Ionel Adrian; Mihai, Marcela; Dragan, Ecaterina Stela CHEMICAL ENGINEERING JOURNAL Volume: 160 Issue: 1 Pages: 115-121 Published: MAY 15 2010 | 2 | 1 | 3 | 1 | 0 | 8 | 1.14 |
| <input checked="" type="checkbox"/> 13. Synthesis and characterization of a new oxadiazole-functionalized maleic anhydride-N-vinylpyrrolidone copolymer and its application in CaCO3 based microparticles EN By: Damaceanu, Mariana-Dana; Mihai, Marcela; Popescu, Irina; et al. REACTIVE & FUNCTIONAL POLYMERS Volume: 72 Issue: 9 Pages: 635-641 Published: SEP 2012 | 1 | 2 | 1 | 3 | 0 | 7 | 1.40 |
| <input checked="" type="checkbox"/> 14. Calcium Carbonate-Magnetite-Chondroitin Sulfate Composite Microparticles with Enhanced pH Stability and Superparamagnetic Properties EN By: Mihai, Marcela; Socoluc, Vlad; Doroftei, Florica; et al. CRYSTAL GROWTH & DESIGN Volume: 13 Issue: 8 Pages: 3535-3545 Published: AUG 2013 | 0 | 0 | 5 | 1 | 0 | 6 | 1.50 |
| <input checked="" type="checkbox"/> 15. Hybrid organic/inorganic composites based on silica and weak synthetic polyelectrolytes EN By: Mihai, Marcela; Dragan, Ecaterina Stela JOURNAL OF MATERIALS SCIENCE Volume: 46 Issue: 17 Pages: | 3 | 1 | 1 | 0 | 1 | 6 | 1.00 |

5723-5731 Published: SEP 2011

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| <p><input type="checkbox"/> 16. Influence of the comonomer structure and of the initial pH on the characteristics of polyelectrolyte complexes based on maleic acid copolymers</p> <p><input checked="" type="checkbox"/> EN</p> | <p>By: Popescu, Irina; Suflet, Dana Mihaela; Mihai, Marcela JOURNAL OF POLYMER RESEARCH Volume: 19 Issue: 9 Article Number: 9958 Published: SEP 2012</p> | <p>0 3 0 2 0 5 1.00</p> |
| <p><input type="checkbox"/> 17. pH-sensitive nanostructured architectures based on synthetic and/or natural weak polyelectrolytes</p> <p><input checked="" type="checkbox"/> EN</p> | <p>By: Mihai, Marcela; Stoica, Iuliana; Schwarz, Simona COLLOID AND POLYMER SCIENCE Volume: 289 Issue: 12 Pages: 1387-1396 Published: AUG 2011</p> | <p>1 2 0 1 0 4 0.67</p> |
| <p><input type="checkbox"/> 18. Conformational changes of strong polycations in the presence of divalent counterions and their influence upon the flocculation efficiency</p> <p><input checked="" type="checkbox"/> EN</p> | <p>By: Dragan, Ecaterina Stela; Dinu, Ionel Adrian; Mihai, Marcela COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS Volume: 348 Issue: 1-3 Pages: 282-288 Published: SEP 20 2009</p> | <p>1 0 1 0 0 4 0.50</p> |
| <p><input type="checkbox"/> 19. Highly Efficient Copper(II) Ion Sorbents Obtained by Calcium Carbonate Mineralization on Functionalized Cross-Linked Copolymers</p> <p><input checked="" type="checkbox"/> EN</p> | <p>By: Mihai, Marcela; Bunia, Ion; Doroftei, Florica; et al. CHEMISTRY-A EUROPEAN JOURNAL Volume: 21 Issue: 13 Pages: 5220-5230 Published: MAR 23 2015</p> | <p>0 0 0 3 0 3 1.50</p> |
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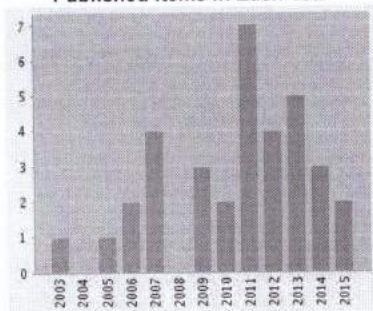
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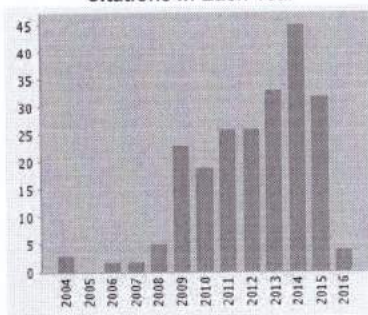
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| <input checked="" type="checkbox"/> 22. Silica microparticles surface coating by layer-by-layer or polyelectrolyte complex adsorption EN By: Mihai, Marcela; Schwarz, Simona; Janke, Andreas; et al. JOURNAL OF POLYMER RESEARCH Volume: 20 Issue: 2 Article Number: 89 Published: FEB 2013 | 0 | 0 | 1 | 1 | 0 | 2 | 0.50 |
| <input checked="" type="checkbox"/> 23. Polyanion structure and mixing conditions - useful tools to tailor the characteristics of polyelectrolyte complex particles EN By: Dragan, E. S.; Mihai, M. JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 9 Issue: 12 Pages: 3927-3932 Published: DEC 2007 | 0 | 0 | 1 | 0 | 0 | 2 | 0.20 |
| <input checked="" type="checkbox"/> 24. Application of polycations in separation processes EN By: Mihai, Marcela; Ghimici, Luminita; Dragan, Ecaterina Stela Conference: 4th International Conference on Environmental Engineering and Management Location: Tech Univ Iasi, Iasi, ROMANIA Date: SEP 12-15, 2007 ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 6 Issue: 5 Pages: 419-423 Published: SEP-OCT 2007 | 0 | 0 | 0 | 0 | 0 | 2 | 0.20 |
| <input checked="" type="checkbox"/> 25. Calcium carbonate microparticle growth controlled by a conjugate drug-copolymer and crystallization time EN By: Doroftei, Florica; Damaceanu, Mariana Dana; Simionescu, Bogdan C.; et al. ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE CRYSTAL ENGINEERING AND MATERIALS Volume: 70 Pages: 227-235 Part: 2 Published: APR 2014 | 0 | 0 | 0 | 1 | 0 | 1 | 0.33 |

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| EN | By: Mihai, Marcela; Schwarz, Simona; Simon, Frank CRYSTAL GROWTH & DESIGN Volume: 13 Issue: 7 Pages: 3144-3153 Published: JUL 2013 | | | | | | | |
| <input checked="" type="checkbox"/> | 27. Pepsin and Lysozyme Immobilization onto Daisogel Particles Functionalized with Chitosan Cross-linked Multilayers | 0 | 0 | 0 | 1 | 0 | 1 | 0.25 |
| EN | By: Bucatariu, Florin; Gheorghita, Claudiu-Augustin; Mihai, Marcela; et al. REVISTA DE CHIMIE Volume: 64 Issue: 3 Pages: 334-337 Published: MAR 2013 | | | | | | | |
| <input checked="" type="checkbox"/> | 28. Synthesis and Characterization of New Hollow Calcium Carbonate/Polyanion Microspheres | 0 | 0 | 1 | 0 | 0 | 1 | 0.25 |
| EN | By: Mihai, Marcela; Bucatariu, Florin; Doroftei, Florica REVISTA DE CHIMIE Volume: 64 Issue: 3 Pages: 338-342 Published: MAR 2013 | | | | | | | |
| <input checked="" type="checkbox"/> | 29. Composite multilayer thin films morphology and their interactions with proteins as a function of polyanion structure | 0 | 1 | 0 | 0 | 0 | 1 | 0.17 |
| EN | By: Dragan, Ecaterina Stela; Mihai, Marcela; Hitruc, Gabriela; et al. MACROMOLECULAR RESEARCH Volume: 19 Issue: 10 Pages: 1062-1070 Published: OCT 2011 | | | | | | | |
| <input checked="" type="checkbox"/> | 30. Novel biocompatible chitosan based multilayer films | 0 | 0 | 1 | 0 | 0 | 1 | 0.17 |
| EN | By: Mihai, M. ROMANIAN BIOTECHNOLOGICAL LETTERS Volume: 16 Issue: 4 Pages: 6313-6321 Published: JUL-AUG 2011 | | | | | | | |

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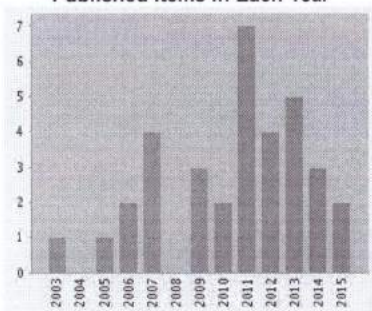
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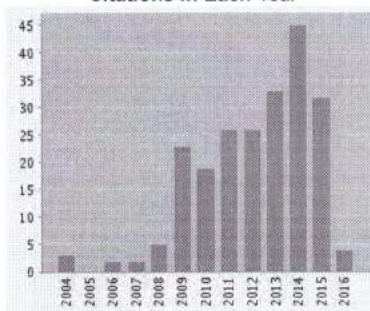
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| <input checked="" type="checkbox"/> 32. Polyelectrolyte Multilayers Composed of Chitosan and Poly(acrylic acid) I. Deposition conditions and post-treatment strategies EN By: Ghiorghita, Claudiu-Augustin; Bucatariu, Florin; Hitruc, Gabriela; et al. MATERIALE PLASTICE Volume: 51 Issue: 3 Pages: 323-327 Published: SEP 2014 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| <input checked="" type="checkbox"/> 33. STIMULI RESPONSIVE MICRO-COMPOSITES TAILORED BY ALTERNATE ADSORPTION OF WEAK POLYELECTROLYTES ON A MICROPOROUS MEMBRANE EN By: Mihai, M.; Ghiorghita, C. A.; Dragan, E. S. DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES Volume: 6 Issue: 1 Pages: 235-243 Published: JAN-MAR 2011 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| <input checked="" type="checkbox"/> 34. Formation and colloidal stability of some polyelectrolyte complex dispersions based on random copolymers of amps EN By: Mihai, Marcela; Dragan, Ecaterina Stela REVUE ROUMAINE DE CHIMIE Volume: 52 Issue: 3 Pages: 267-273 Published: MAR 2007 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |

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