



ACADEMIA ROMÂNĂ
SCOSAAR

Anexa nr.3

AVIZAT
DIRECTOR SCOSAAR

Acad. Maria ZAHARESCU

ÎNDEPLINIREA STANDARDELOR MINIMALE

DA | NU

**FIȘA DE ÎNDEPLINIRE A STANDARDELOR MINIMALE
conform CNATDCU**

Candidat: Dr. PLEȘU Nicoleta-Simona

FIȘA DE VERIFICARE
a îndeplinirii standardelor minimale

Data: 08.03.2024

Semnătura:

Categorie Habilitare	N _{max} (*)	FIC (**)	FIC _D (***)	FIC _{AP} (****)	FIC _{AC} (*****)	h index
Cerințe	50	100	70	50	25	13
Realizat	50	137,312	126,863	59,147	43,839	16

(*) N_{max} – primele maxim N lucrari, organizate in ordinea descrescatoare a factorilor de impact a revistelor in care au fost publicate;

(**) FIC – factorul de impact cumulat minimal al revistelor in care s-au publicat lucrarile in cauza;

(***) FIC_D – factorul de impact cumulat minimal din publicatii in domeniile de cercetare declarate;

(****) FIC_{AP} – factorul de impact cumulat minimal din publicatii in calitate de autor principal (prim-autor si autor de corespondenta);

(*****) FIC_{AC} – factorul de impact cumulat minimal din publicatii in calitate de autor de corespondenta;

Nr. crt	Lucrarea	FIC	FIC _D	FIC _{AP}	FIC _{AC}
1	Moschona A., Plesu N. , Colodrero R.M.P., Cabeza A., Thomas A. G., Demadis K. D., Homologousalkyl side-chain diphosphonate inhibitors for the corrosion protection of carbon steels, <i>Chem. Eng. J.</i> , 2021 , 405, Article Number 126864.	16.744	16.744		
2	Moschona A, Plesu N., Mezei G., Thomas A, G., Moschona A., Plesu N. , Mezei G., Thomas A. G., Demadis K. D., Corrosion protection of carbon steel by tetraphosphonates of systematically different molecular size, <i>Corros. Sci.</i> , 2018 , 145, 135-150.	6.355	6.35		
3	Maranescu, B; Plesu, N; Visa, A, Phosphonic acid vs phosphonate metal organic framework influence on mild steel corrosion protection, <i>Appl. Surf. Sci.</i> , 2019 , 497, 143734.	6.182	6.182	6.182	6.182
4	Visa A., Plesu N. , Maranescu B., Ilia. G. Borota, A., Crisan, L., Combined Experimental and Theoretical Insights into the Corrosion Inhibition Activity on Carbon Steel Iron of Phosphonic Acids, <i>Molecules</i> , 2021 , 26(1), Article Number 135	4.927	4.9270	4.927	4.927
5	Murariu A.C., Macarie L. Crisan L., Plesu N. , Experimental Investigations of AlMg3 Components with Polyurethane and Graphene Oxide Nanosheets Composite Coatings, after Accelerated UV-Aging, <i>Molecules</i> , 2022 , 27(1) Article Number 84.	4.600	4.600	4.600	4.600
6	Ilia G., Simulescu V., Plesu N., Chiriac V., Merghes P., Wittig and Wittig-Horner Reactions under Sonication Conditions, <i>Molecules</i> , 2023 , 28(4), Article 1958.	4.600	4.600	4.600	4.600

7	Macarie, L; Plesu, N; Iliescu, S; Ilia, G, Synthesis of organophosphorus compounds using ionic liquids, <i>Rev. Chem. Eng.</i> , 2018 , 34(5) 727-740.	4.200	4.200		
8	Iliescu S., Ilia G., Pleșu N., Popa A., Pascariu A., Solvent and catalyst-free synthesis of polyphosphates, <i>Green Chemistry</i> , 2006 , 8(8), 727-730.	4.192	4.192		
9	Kellenberger A., Plesu N. , Tara-Lunga-Mihali M., Vaszilcsin N., Synthesis of polyaniline nanostructures by electrochemical deposition on niobium, <i>Polymer</i> , 2013 , 54(13), 3166-3174.	4.084	4.084		
10	Varan N., Merghes P., Plesu N., Macarie L., Ilia G., Simulescu V., Phosphorus-Containing Polymer Electrolytes for Li Batteries., <i>Batteries-Basel</i> , 2024 , 10, 56.	4	4	4	4
11	Lupa L., Tolea N. S., Iosivoni M., Maranescu B., Plesu N., Visa A., Performance of ionic liquid functionalized metal organic frameworks in the adsorption process of phenol derivatives, <i>RSC ADV.</i> , 2024 , 14(7), 4759-4777.	3.90	3.90		
12	Popa. S., Iliescu S., Ilia G., Plesu N. , Popa A, Visa A., Macarie L., Solid polymer electrolytes based on phosphorus containing polymers for lithium polymer batteries, <i>Eur. Polym. J.</i> , 2017 , 94, 286–298.	3.741	3.741	3.741	3.741
13	Plesu N., Maranescu B., Tara-Lunga-Mihali M., Visa A., Electrochemical Oxidation of Phenol Released from Spent Coordination Polymer Impregnated with Ionic Liquid, <i>J.Compos.Sci.</i> , 2023 , 7(12).	3.30	3.30	3.30	3.30
14	Plesu N. , Macarie L., Tara-Lunga-Mihali M., Maranescu B., Visa A., Jurcau D., Polyester-Based Coatings with a Metal Organic Framework: An Experimental Study for Corrosion Protection, <i>J. Compos. Sci.</i> , 2023 , 7(10).	3.30	3.30	3.30	3.30
15	Popa S., Mosoarca G., Macarie L., Plesu N. , Ilia G., Tara-Lunga-Mihali M., Copolymerization of butyl acrylate with methyl methacrylate in a bubble column reactor and the use of copolymer in corrosion protection, <i>Polym. Bull.</i> , 2021 , 79(2), 763-783.	3.20	3.20	3.20	3.20
16	Fagadar-Cosma E., Plesu N. , Lascu A., Anghel D., Cazacu M., Ianasi C., Fagadar-Cosma G., Fratilescu I., Epuran C., Novel Platinum-Porphyrin as Sensing Compound for Efficient Fluorescent and Electrochemical Detection of H ₂ O ₂ , <i>Chemosensors</i> , 2020 , 8(2), Article 29.	3.389	3.389		

17	Plesu N. , Kellenberger A., Taranu I., Taranu B. O., Popa I., Impedimetric detection of dopamine on poly(3-aminophenylboronic acid) modified skeleton nickel electrodes, <i>React. Funct. Polym</i> , 2013 , 73 (5) , 772-778.	2.822	2.822	2.822	
18	Iliescu S., Ilia G., Pascariu A., Popa A., Pleşu N. , Novel synthesis of phosphorus containing polymers under inverse phase transfer catalysis, <i>Polymer</i> , 2006 , 47(19), 6509-6512.	2.773			
19	Crisan M., Muntean C., Chumakov Y., Plesu N. , Investigating the Corrosion Inhibition Mechanisms of Alkanolammonium Salts: A Case Study with Ethylethanolammonium 4-Nitrobenzoate on Carbon Steel in Saline Solution, <i>Appl. Sci.</i> , 2024 , 14(5), 1832, doi.org/10.3390/app14051832.	2.7	2.7	2.7	2.7
20	Iliescu S., Augusti M. G., Fagadar-Cosma E., Plesu N. , Fagadar-Cosma G., Macarie L., Popa A., Ilia G., Synthesis of new phosphorus-containing (co)polyesters using solid-liquid phase transfer catalysis and product characterization, <i>Molecules</i> , 2012 , 17 (8), 9090-9103.	2.428			
21	Iliescu S., Plesu N. , Ilia G., Synthetic routes to polyphosphoesters as solid polymer electrolytes for lithium ion batteries, <i>Pure Appl. Chem.</i> , 2016 , 86(10-11), 941-952.	2.626	2.626		
22	Micle A., Miklášova N., Varga R. A., Pascariu A., Plesu N. , Petric M., Gheorghe Ilia, A versatile synthesis of a new bisiminophosphorane, <i>Tetrahed. Lett.</i> , 2009 , 50(40), 5622-5624.	2.660			
23	Tara-Lunga-Mihali M., Plesu N. , Macarie L., Iliescu S., Ilia G., Polyaniline composite designed for solid polymer electrolyte, <i>Pure Appl. Chem.</i> , 2014 , 86(11), 1853-1860.	2.492	2.492	2.492	2.492
24	Iliescu S., Ilia G., Popa A., Plesu N. , Macarie L., Davidescu C.M., Interfacial polycondensation method used in the synthesis of polymers containing phosphorus in the main chain, <i>Pure Appl. Chem.</i> , 2014 , 86(11), 1675-1681.	2.492	2.492		
25	Popa A., Macarie L., Dragan E. S., Parvulescu V., Ilia G., Plesu N. , Thermal behavior of aminotrimethoxysilanphosphonate functionalized onto styrene-divinylbenzene copolymer, <i>Int. J. Polym. Anal.</i> , 2020 , 25(6), 457-466.	2.583		2.583	2.583
26	Maranescu B., Lupa L., Tara-Lunga-Mihali M., Plesu N. , Maranescu V., Visa A., The Corrosion Inhibitor Behavior of Iron in Saline Solution by the Action of Magnesium Carboxyphosphonate, <i>Pure. Appl. Chem.</i> , 2018 , 90(11),1713-1722.	2.350	2.350	2.350	2.350

27	Iliescu S., Ilia G., Pascariu A., Popa A., Plesu N. , Organic solvent-free synthesis of phosphorus containing polymers, <i>Pure Appl Chem.</i> , 2007 , <i>79(11)</i> , 1879-1884.	2.232	2.232		
28	Plesu N., Macarie L., Popa A., Ilia G. Polymeric supports for water treatment applications. In: Amjad Z., Demadis K.D., editors. <i>Water-Formed Deposits: Fundamentals and Mitigation Strategies</i> . Elsevier; Amsterdam, The Netherlands: 2022. pp. 399–434. eBook ISBN: 9780128230862.	2.000	2.000	2.000	2.000
29	Plesu N. , Grozav I., Iliescu S., Ilia G., Acrylic blends based on polyaniline. Factorial design, <i>Synth. Meth.</i> , 2009 , <i>159(5-6)</i> , 501-507.	1.901	1.901	1.901	
30	Iliescu S., Plesu N. , Popa A., Macarie L., Ilia G., Green synthesis of polymers containing phosphorus in the main chain, <i>C. R. Chim.</i> , 2011 , <i>14(7-8)</i> , 647-651.	1.803	1.803		
31	Kellenberger A., Ambros D., Plesu N. , Polyaniline Nanofibers Modified Ni Electrodes for Electrochemical Hydrogen Production, <i>Int. J. Electrochem. Sci.</i> , 2020 , <i>15(9)</i> , 8536-8551.	1.765	1.765	1.765	1.765
32	Murariu A.C., Plesu N. , Investigations on Corrosion Behaviour of Welded Joint in ASTM A355P5 Alloy Steel Pipe, <i>Int. J. Electrochem. Sci.</i> , 2015 , <i>10(12)</i> , 10832-10846.	1.692	1.692		
33	Tara-Lunga-Mihali M., Plesu N. , Kellenberger A., Ilia G., Adsorption of an Azo Dye on Polyaniline/ Niobium Substrate, <i>Int. J. Electrochem. Sci.</i> , 2015 , <i>10(9)</i> , 7643-7659.	1.692	1.692		
34	Plesu N. , Ilia G., Pascariu A., Vlase G., Preparation, degradation of polyaniline doped with organic phosphorus acids and corrosion essays of polyaniline-acrylic blends, <i>Synth. Met.</i> , 2006 , <i>156(1-2)</i> , 230-238.	1.685	1.685	1.685	
35	Kellenberger A., Ambros D., Plesu N. , Scan Rate Dependent Morphology of Polyaniline Films Electrochemically Deposited on Nickel, <i>Int. J. Electrochem. Sci.</i> , 2014 , <i>9(12)</i> , 6821-6833	1.500	1.500		
36	Plesu N. , Kellenberger A., Mihali M., Vaszilcsin N., Effect of temperature on the electrochemical synthesis and properties of polyaniline films, <i>Journal of non-crystalline solids</i> , 2010 , <i>356 (20-22)</i> , 1081-1088.	1.483	1.483	1.483	
37	Plesu N. , Ilia G., Sfirloaga P., Iliescu S., Organic–inorganic hybrids obtained by in situ polymerization, of aniline in silica/phosphonate matrix, <i>J. Mater. Sci.</i> , 2009 , <i>44(23)</i> , 6437–6446.	1.471	1.471	1.471	

38	Macarie L., Plesu N. , Iliescu S., Ilia G., Tara-Lunga-Mihali M., UV light copolymerization of dimethyl vinylphosphonate with bisphenol A ethoxylate dimethacrylate, <i>Iran. Polym. J.</i> , 2016 , 25(5), 437-442.	1.422	1.422		
39	Iliescu S., Zubizarreta L., Plesu N. , Macarie L., Popa A., Ilia G., Polymers containing phosphorus groups and polyethers: From synthesis to application, <i>Chem. Cent. J.</i> , 2012 , 6(1), Article number 132.	1.312	1.312		
40	Murariu A. C., Plesu N. , Perianu I. A., Tara-Lunga-Mihali M., Investigations on Corrosion Behaviour of WC-CrC-Ni Coatings Deposited by HVOF Thermal Spraying Process, <i>Int. J. Electrochem. Sci.</i> , 12(2), 2017 , 1535-1549.	1.369	1.369		
41	Iliescu S., Grozav I., Plesu N. , Pascariu A., Ilia G., Design of experiments applied to the study of the reaction between phenylphosphonic dichloride with bisphenol by inverse phase transfer catalysis method, <i>Polym. Eng. Sci.</i> , 2008 , 48(7), 1304-1311.	1.245	1.245		
42	Iliescu S., Avram E., Visa A., Plesu N. , Popa A., Ilia G., New technique for the synthesis of polyphosphoesters, <i>Macromolecular Research</i> , 2011 , 19(11), 1186-1191,	1.153	1.153		
43	Iliescu S., Pascariu A., Plesu N. , Popa A., Macarie L., Ilia G., Unconventional method used in synthesis of polyphosphoesters, <i>Polym. Bull.</i> , 2009 , 63(4), 485-495.	1.014	1.014		
44	Popa A., Ilia G., Davidescu C. M., Iliescu S., Pleșu N., Pascariu A., Zhang Z., Wittig-Horner reactions on styrene-divinylbenzene supports with benzaldehyde side-groups, <i>Polym. Bull.</i> , 2006 , 57(2),189-197.	0.969	0.969		
45	Pleșu N. , Iliescu S., Ilia G., Popa A., Muntean C., Rheology of Pani dispersions in Acrylic Resin, <i>Turk. J. Med. Sci.</i> , 2006 , 30(2), 155-163.	0.646	0.646	0.646	
46	Iliescu S., Plesu N. , Macarie L., Popa A., Visa A., Maranescu B., Ilia G., Polymeric Membranes Containing Phosphorus in the Chain for Solid Polymer Electrolytes, <i>Phosphorus, Sulfur, and Silicon and the Related Elements</i> , 2014 , DOI: 189(7-8), 992 – 1003.	0.561	0.561		
47	Pleșu N. , Kellenberger A., Vaszilcsin N., Manovicu I., Electrochemical polymerization of aniline on skeleton nickel electrodes, <i>Mol. Cryst. Liq.</i> , 2004 , 416, 127-135.	0.478	0.478	0.478	
48	Kellenberger A; Gavrilă R; Plesu N. , Activated Multi-Walled Carbon Nanotubes For Electrochemical Detection Of Dopamine In The Presence Of Ascorbic And Uric Acid, <i>Stud. U.</i>	0.447	0.447	0.447	0.447

	<i>Babes-Bol Che.</i> , 2020 , 65(4), 35-52,				
49	Plesu N. , Iliescu S., Ilia G., Popa A., Semiconductive polyaniline melamine-formaldehyde blend electronic barrier to corrosion, <i>Plastics, Rubber and Composites</i> , 2008 , 37 (5/6), 288-292.	0.443	0.443	0.433	
50	Pleşu N. , Ilia G., Bandur G., Popa S., Chemical polymerization of aniline in phenylphosphinic acid, <i>J. Serb. Chem. Soc</i> , 2005 , 70(10), 1169-118.	0.389	0.389	0.389	
	Total	137.312	126.863	59.147	43.839

Indicele Hirsch (h_{index}) - Web of Science

Citation Report

Analyze Results Create Alert

Refined By: Affiliations: INSTITUTE OF CHEMISTRY TIMISOARA X Clear all

[Export Full Report](#)

Publications

93

Total

From 1975 to 2024

Citing Articles

594

Total

548

Without self-citations

Times Cited

763

Total

660

Without self-citations

8.2

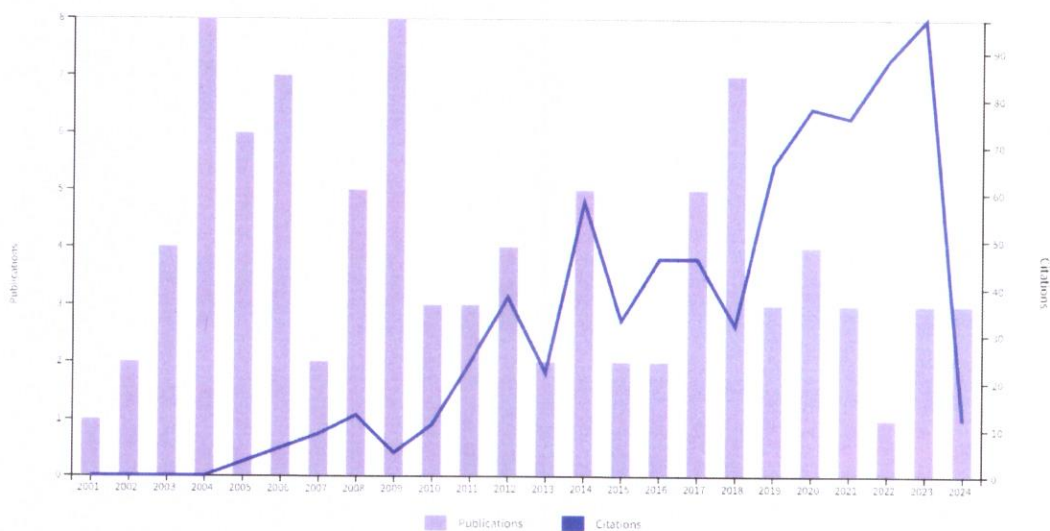
Average per item

16

H-index

Times Cited and Publications Over Time

[DOWNLOAD](#)



Data: 08.03.2024

Dr. Plesu Nicoleta-Simona