STANDARDE MINIMALE NECESARE ŞI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂŢĂMÂNTUL SUPERIOR

DOSAR :

Lector univ. Dr. Simulescu Vasile-Octavian-Geanet

1.1. PROFESOR / CS I / Habilitare - CHIMIE

Criterii generale:

Centralizator standarde minimale necesare si obligatorii pentru Profesor/CS I/Habilitare	N_{max} (*)	FIC (**)	FIC_D (***)	FIC_{AP} (****)	FIC_{AC} (*****)	h index
Minim	≤ 50	100	70	50	25	13
Realizat	40	112.22	76.22	70.69	68.39	13

(*)N_{max} - primele maxim N lucrări, organizate în ordinea descrescătoare a factorilor de impact a revistelor în care au fost publicate;

(**)FIC - factorul de impact cumulat minimal al revistelor în care s-au publicat lucrările în cauză;

(***)FIC_D - factorul de impact cumulat minimal din publicaţii în domeniile de cercetare declarate;

(****)FIC_{AP} - factorul de impact cumulat minimal din publicaţii în calitate de autor principal (prim-autor şi autor de corespondenţă);

(*****)FIC_{AC} - factorul de impact cumulat minimal din publicaţii în calitate de autor de corespondenţă.

Nr. crt.	Articol WoS / capitol de carte / brevet	FIC (**)	FIC_D (***)	FIC_{AP} (****)	FIC_{AC} (*****)
1	V. Simulescu, M. Kalina, J. Mondek, M. Pekař, Long-term degradation study of hyaluronic acid in aqueous solutions without protection against microorganisms, Carbohydrate Polymers, 2016, 137, 664-668. https://doi.org/10.1016/j.carbpol.2015.10.101WOS:000366938200079.	11.2	11.2	11.2	11.2

2	J. Mondek, M. Kalina, V. Simulescu, M. Pekař, Thermal degradation of high molar mass hyaluronan in solution and in powder; comparison with BSA, Polymer Degradation and Stability, 2015, 120, 107-113. https://doi.org/10.1016/j.polymdegradstab.2015.06.012 WOS:000362926800013.	5.9	5.9	5.9	5.9
3	V. Simulescu, J. Mondek, M. Kalina, M. Pekař, Kinetics of long-term degradation of different molar mass hyaluronan solutions studied by SEC-MALLS, Polymer Degradation and Stability, 2015, 111, 257-262. https://doi.org/10.1016/j.polymdegradstab.2014.12.005 WOS:000348949000030.	5.9	5.9	5.9	5.9
4	V. Simulescu, J. Angarska, E. Manev, Drainage and critical thickness of foam films from aqueous solutions of mixed nonionic surfactants, Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 319 (1–3), 21-28. https://doi.org/10.1016/j.colsurfa.2007.03.047 WOS:000257046000005.	5.2	5.2	5.2	5.2

5	S. Popa, A. Tamas, V. Simulescu, D. Jurcau, S. Boran, G. Mosoarca, A Novel Approach of Bioesters Synthesis through Different Technologies by Highlighting the Lowest Energetic Consumption One, Polymers, 2021, 13(23), 4190. https://doi.org/10.3390/polym13234190 WOS:000734584000001.	5	5	-	-
6	M. Drehe, V. Simulescu, G. Ilia, Progress in the development of flame retardants, Reviews in Chemical Engineering, 2008, 24 (6), 263-302. https://doi.org/10.1515/REVCE.2008.24.6.263 WOS:000273062600001.	4.7	4.7	-	-
7	P. Merghes, N. Varan, G. Ilia, I. Hulka, V. Simulescu, A SEM-EDX Study on the Structure of Phenyl Phosphinic Hybrids Containing Boron and Zirconium, Gels, 2023, *9*(9), 706; https://doi.org/10.3390/gels9090706 WOS:001073612100001.	4.6	4.6	4.6	4.6
8	P. Merghes, G. Ilia, I. Hulka, V. Chiriac, N. Varan, V. Simulescu, The Influence of Boron on the Structure and Properties of Hybrid	4.6	4.6	4.6	4.6

	Compounds Containing Zirconium and Phosphorus, Gels, 2022, 8(10), 667. https://doi.org/10.3390/gels8100667 WOS:000875261300001.				
9	G. Ilia, V. Simulescu, N. Plesu, V. Chiriac, P. Merghes, Wittig and Wittig–Horner Reactions under Sonication Conditions, Molecules, 2023, 28, 1958. https://doi.org/10.3390/molecules28041958 WOS:000941022400001.	4.6	-	4.6	4.6
10	N. Varan, P. Merghes, N. Plesu, L. Macarie, G. Ilia, V. Simulescu, Phosphorus-Containing Polymer Electrolytes for Li Batteries, Batteries, 2024, 10(2), 56. https://doi.org/10.3390/batteries10020056 WOS:001172076500001.	4	-	4	4
11	F. Mravec, M. Pekar, V. Simulescu, T. Halasova, A process for preparing a physically crosslinked hydrogel with at least one solubilized hydrophobic compound, 2016, Brevet: appl. no. CZ2014946A3.	4	-	-	-
12	N. Kristen, V. Simulescu, A. Vüllings, A. Laschewsky, R. Miller, R. v. Klitzing, No charge	3.3	3.3	-	-

	reversal at foam film surfaces after addition of oppositely charged polyelectrolytes?, Journal of Physical Chemistry B, 2009, 113 (23), 7986-7990. https://doi.org/10.1021/jp902369d WOS:000266679200005.				
13	G. Ilia, V. Simulescu, C.A. Mak, E. Crasmareanu, The use of transesterification method for obtaining phosphorus-containing polymers, Advances in Polymer Technology, 2014, 33(S1), 21437, https://doi.org/10.1002/adv.21437 WOS:000346980600002.	3.1	-	3.1	3.1
14	R. Gheonea, C. Mak, E. Crasmareanu, V. Simulescu, N. Plesu, G. Ilia, Surface modification of SnO_2 with phosphonic acids, Hindawi Publishing Corporation, Journal of Chemistry, 2017. https://doi.org/10.1155/2017/2105938 WOS:000394083800001.	3	3	-	-
15	E. Crasmareanu, V. Simulescu, G. Ilia, Synthesis by reversed phase transfer catalysis and characterization of naphthol AS-D pigment, Hindawi Publishing Corporation, Journal of Chemistry, 2013.	3	3	-	-

	https://doi.org/10.1155/2013/545374 WOS:000324181800001.				
16	V. Simulescu, G. Ilia, Solid-phase synthesis of phosphorus derivatives, Current Organic Chemistry, 2019, 23(6), 679-688. https://doi.org/10.2174/1385272823666190213112019 WOS:000474205700003.	2.6	-	2.6	2.6
17	G. Ilia, S. Iliescu, A. Popa, A. Visa, B. Maranescu, V. Simulescu, M. Pekař, V. Badea, Polyalkylene-H-phosphonates obtained by direct esterification and oxidation from hypophosphorus acid and ethylene glycol, Journal of Macromolecular Science, Part A: Pure and Applied Chemistry, 2016, 53(1), 49-54. https://doi.org/10.1080/10601325.2016.1110458 WOS:000367550100008.	2.5	2.5	-	-
18	G. Ilia, V. Simulescu, I. Hulka, Hybrids containing zirconium and phosphorus compounds obtained by sol-gel method, Colloid and Polymer Science, 2021, 299, 137-151. DOI:10.1007/s00396-020-04780-8 WOS:000586348600001.	2.4	2.4	2.4	2.4

19	G. Ilia, V. Simulescu, R. Gheonea, E. Crasmareanu, I. Hulka, Grafting on metal oxide surface of phenyl phosphinic acid by using solid-state process, Journal of the Iranian Chemical Society, 2021, 18(7), 1815-1823. https://doi.org/10.1007/s13738-020-02153-0 WOS:000606178300002.	2.4	2.4	2.4	2.4
20	L. Macarie, M. Pekař, V. Simulescu, N. Plesu, S. Iliescu, G. Ilia, M. Tara-Lunga-Mihali, Properties in aqueous solution of homo- and copolymers of vinylphosphonic acid derivatives obtained by UV-curing, Macromolecular Research, 2017, 25(3), 214-221. https://doi.org/10.1007/s13233-017-5026-8 WOS:000397986000003.	2.4	2.4	-	-
21	V. Simulescu, G. Ilia, E. Crasmareanu, Synthesis of organic compounds containing phosphorus by using ultrasounds, Mini-Reviews in Organic Chemistry, 2016, 13(4), 289-298. DOI: 10.2174/1570193X13666160609123041 WOS:000380839800005.	2.3	-	2.3	2.3

22	V. Simulescu, G. Ilia, Macrocycles and cavitands containing phosphorus, Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2010, 66 (1–2), 3-14. http://doi-org-443.webvpn.fjmu.edu.cn/10.1007/s10847-009-9641-7 WOS:000273753100002.	2.3	-	2.3	-
23	G. Ilia, P. Merghes, N. Varan, V. Chiriac, V. Simulescu, Zirconyl chloride and its uses in phosphorus chemistry, Chemical Papers, 2022, 76, 5293-5307. https://doi.org/10.1007/s11696-022-02266-1 WOS:000801115600002.	2.2	-	2.2	2.2
24	L. Macarie, V. Simulescu, G. Ilia, Phosphonium-based ionic liquids used as reagents or catalysts, Chemistry Select, 2019, 4(32), 9285-9299. https://doi.org/10.1002/slct.201901712 WOS:000483732500005.	2.1	-	-	-
25	R. Gheonea, E. Crasmareanu, N. Plesu, S. Sauca, V. Simulescu, G. Ilia, New hybrid materials synthesized with different dyes by sol-gel method, Hindawi Publishing Corporation, Advances in Materials Science	2.098	2.098	2.098	2.098

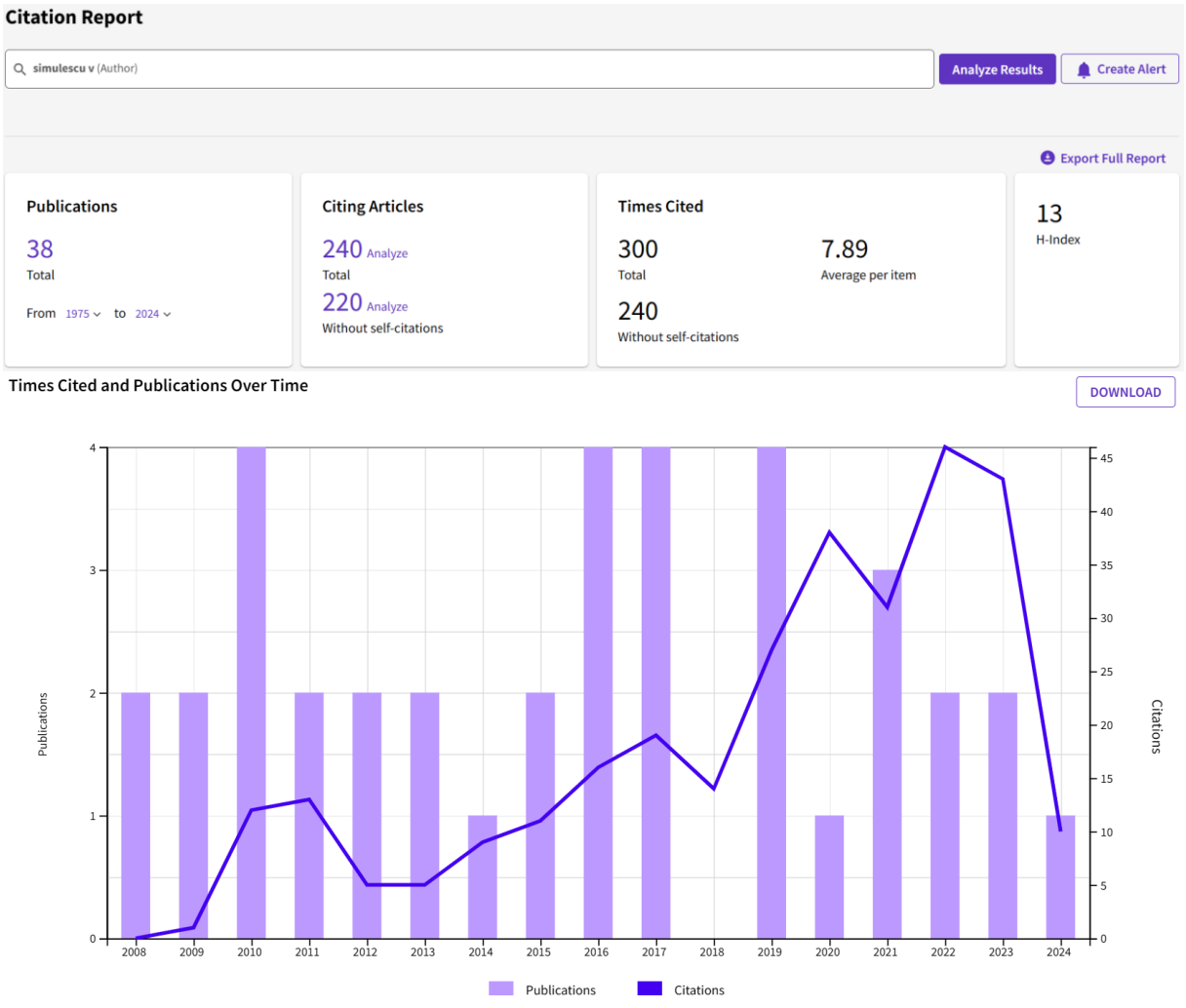
	and Engineering, 2017. https://doi.org/10.1155/2017/4537039 WOS:000410301400001.				
26	V. Simulescu, S. Funar-Timofei, V. Chiriac, G. Ilia, Synthesis of phosphorus-based phosphors (in Hybrid Phosphor Material; Synthesis Characterization and Applications), Springer Nature, 2022, DOI 10.1007/978-3-030-90506-4_5. (capitol de carte)	2	-	2	2
27	R. Tudose, E. M. Mosoarca, V. Simulescu, V. Sasca, W. Linert, O. Costisor, Mixed–ligand complexes of iron(II), iron(III), copper(II), and cobalt(II) with pyrazolonic and 2,2'–bipyridine ligands, Journal of Coordination Chemistry, 2010, 63 (24), 4358-4366. https://doi.org/10.1080/00958972.2010.539683 WOS:000478618600001.	1.9	-	-	-
28	L. Macarie, V. Simulescu, G. Ilia, Ultrasonic irradiation used in synthesis of aminophosphonates, Monatshefte für Chemie/Chemical Monthly, 2019, 150(2), 163-171. https://doi.org/10.1007/s00706-	1.8	-	-	-

	018-2327-3 WOS:000457316200002.				
29	E. Crasmareanu, C. A. Mak, R. Gheonea, V. Simulescu, G. Ilia, New magnetic phosphonate organic-inorganic hybrid materials, Revista de Chimie, 2016, 8, 1542-1546. WOS:000384514200028.	1.755	1.755	-	-
30	E. Crasmareanu, N. Plesu, S. Muntean, M. Mihali, V. Simulescu, G. Ilia, An EIS and UV-Vis Spectroscopy Assay for Aggregation of Monoazo Acid Dye, Revista de chimie, 2012, 63 (8), 768-771. WOS:000309782900005.	1.755	1.755	-	-
31	E. Crasmareanu, V. Simulescu, G. Ilia, Reversed phase transfer catalysis used in the synthesis of red pigments, Revista de chimie, 2011, 62 (3), 313-317. WOS:000289814300012.	1.755	1.755	-	-
32	G. Ilia, E. Crasmareanu, D. Pascut, L. Darabanti, V. Simulescu, The use of mass spectrometry in obstetric and gynecology, Central European Journal of Chemistry, 2013, 11(5), 645-654. https://doi.org/10.2478/s11532-013-0219-2 WOS:000315482000001.	1.46	1.46	-	-

33	G. Ilia, V. Simulescu, P. Merghes, N. Varan, The health benefits of honey as an energy source with antioxidant, antibacterial and antiseptic effects, Science and Sports, 2021, 36(4), 272.e1-272.e10. https://doi.org/10.1016/j.scispo.2020.10.005 WOS:000690381100004.	1.1	-	1.1	1.1
34	V. Simulescu, G. Ilia, L. Macarie, P. Merghes, Sport and energy drinks consumption before, during and after training, Science and Sports, 2019, 34(1), 3-9. https://doi.org/10.1016/j.scispo.2018.10.002 WOS:000456081000009.	1.1	-	1.1	1.1
35	S. Popa, S. Boran, V. Simulescu, Collagen films obtained from collagen solutions characterized by rheology, Materiale plastice, 2017, 54(2), 359-361. WOS:000408702100036.	0.8	0.8	-	-
36	V. Simulescu, E. Crasmareanu, G. Ilia, Synthesis, Properties and Structures of Phosphorus–Nitrogen Heterocycles, Heterocycles, 2011, 83 (2), 275–291. DOI: 10.3987/REV-10-685. WOS:000287562900002.	0.6	-	0.6	0.6

37	V. Simulescu, E. Manev, G. Ilia, Drainage and stability of foam films from aqueous solutions of single surfactant $C_{12}E_6$, Optoelectronics and Advanced Materials, 2009, 3 (2), 155-159. WOS:000264239300016.	0.5	0.5	0.5	0.5
38	E. M. Mosoarca, I. Labadi, L. Sajti, R. Tudose, V. Simulescu, W. Linert, O. Costisor, Synthesis and thermal behavior of copper(II) complexes containing N,N'–tetra(4–antipyrilmethyl)–1,2–diaminoethane as ligand, Studia Universitatis Babes–Bolyai, Chemia, 2010, 2(1), 89-96. WOS:000289655500008.	0.3	-	-	-
39	V. Simulescu, I. Tatarova, H. Ehmann, M. Reischl, K. Stana-Kleinschek, V. Ribitsch, Cationic surfactants adsorption on different hydrophobic/hydrophilic charged polymer surfaces - A comparative study, Abstracts of papers of the American Chemical Society, 2012, 243, ISSN 0065-7727. WOS:000324475103668.	-	-	-	-
40	R. Caprita, A. Caprita, G. Ilia, I. Cretescu, V. Simulescu, Laboratory procedures for	-	-	-	-

	assessing quality of soybean meal, Proceedings of the World Congress on Engineering and Computer Science (WCECS), 2010, 1, 791-794. WOS:000292889100154.				
Total		112.22	76.22	70.69	68.39



Raportul citărilor şi indicele Hirsch conform platformei Web of Science (aprilie 2024)