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I h index = 17

II Fișă de indeplinire a standardelor minimale

Nr. crt	Referință bibliografică [autori, titlu, revistă, număr, (volum), an, pagină început-pagină sfârșit, DOI]	FIC _{ISI}	FIC _{DBI}	FIC _{APIB}	FIC _{ACTI}
1	Gherca, D., Cornei, N., Mentré, O., Kabbour, H., Daviero-Minaud, S., Pui, A. In situ surface treatment of nanocrystalline MFe ₂ O ₄ (M = Co, Mg, Mn, Ni) spinel ferrites using linseed oil, <i>Applied Surface Science</i> , 2013, 287, 490-498. DOI10.1016/j.apsusc.2013.10.01	6.707	6.707	6.707	6.707
2	Amărăndi, R.-M., Lückmann, M., Melynis, M., Jakobsen, M.H., Fallah, Z., Spiess, K., Hjortø, G.M., Pui, A., Frimurer, T.M., Rosenkilde, M.M., Ligand-selective small molecule modulators of the constitutively active vGPCR US28, <i>European Journal of Medicinal Chemistry</i> , 155, 15 July 2018, Pages 244-254. DOI10.1016/j.ejmech.2018.05.053	6.514	6.514		
3	Radu-G. Ciocarlan, Iztok Arcon, Aurel Pui, Myrjam Mertens, Natasa Novak Tusar, Elena M. Seftel, Pegie Cool, In-depth structural characterization and magnetic properties of quaternary ferrite systems Co _{0.5} Zn _{0.25} Mg _{0.25} Fe ₂ O ₄ (M = Ni, Cu, Mn, Mg), <i>Journal of Alloys and Compounds</i> , 816, 2020, 152674. DOI10.1016/j.jallcom.2019.152674	5.316	5.316		
4	C. Virlan, F Tudorache, A Pui, Tertiary NiCuZn ferrites for improved humidity sensors: a systematic study, <i>Arabian Journal of Chemistry</i> , 13(1), 2020, pp. 2066-2075. DOI10.1016/j.arabjc.2018.03.005	5.165	5.165	5.165	5.165
5	Karlsbøj, S., Amărăndi, R.M., Larsen, O., Daugvilaite, V., Steen, A., Brvar, M., Pui, A., Frimurer, T.M., Ulven, T., Rosenkilde, M.M., Molecular mechanism of action for allosteric modulators and agonists in CC-chemokine receptor 5 (CCR5), <i>Journal of Biological Chemistry</i> , 29 (52), 2016, p.26860-26874. DOI10.1074/jbc.M116.74018	5.157	5.157		
6	Ciocarlan, R.G., Pui, A., Gherca, D., Virlan, C., Dobromir, M., Nica, V., Craus, M.L., Gostin, I.N., Caltun, O., Hempelman, R., Cool, P., Quaternary M _{0.25} Cu _{0.5} Fe ₂ O ₄ (M = Ni, Zn, Co, Mn) ferrite oxides: Synthesis, characterization and magnetic properties, <i>Materials Research Bulletin</i> , 81, 2016, p. 63-70. DOI10.1016/j.materresbull.2016.05.001	4.641	4.641	4.641	4.641
7	A. Pui, D. Gherca, N. Cornei, Synthesis and characterization of MFe ₂ O ₄ (M=Mg, Mn, Ni) nanoparticles, <i>Materials Research Bulletin</i> , 2013, 48(4), Pages 1357-1362, ISI = 2.105. DOI10.1016/j.materresbull.2012.11.08	4.641	4.641	4.641	4.641
8	C. Tanase, I. Odochian, T. Balaes, G. Lisa, D. Gherca, A. Pui, Study of thermal behaviour of some edible mushrooms, <i>J Therm Anal Calorim</i> , (2014) 115:947-953. DOI10.1007/s10973-013-3335-5	4.626	4.626	4.626	4.626
9	Vrinceanu, N., Tanasa, D., Hristodor, C.M., Brinza, F., Popovici, E., Gherca, D., Pui, A., Coman, D., Carsmariu, A., Bistricianu, I., Broasca, G., Synthesis and characterization of zinc oxide nanoparticles: Application to textiles as thermal barriers <i>Journal of Thermal Analysis and Calorimetry</i> , Volume 111, Issue 2, February, 2013, Pages 1107-1119. DOI10.1007/s10973-012-2269-7	4.626	4.626		
10	C. Tanase, Lucia Odochian, Nicu Apostolescu, A. Pui, TG-FTIR analysis applied to the study of thermal behaviour of some edible mushrooms, <i>J. Therm. Anal. Calorim.</i> , (2011) 103: 1079-1085.	4.626	4.626	4.626	4.626
11	Lucia Odochian, Viorica Dulman, Mihai Dumitrascu, Aurel Pui, Study by thermal methods on the materials obtained by dye removal from waste waters with beech flour, <i>Journal of Thermal Analysis and Calorimetry</i> , 89 (2), 2007, 625-631. DOI10.1016/j.poly.2007.02.030	4.626	4.626		
12	Roman T., Gherca D., Borhan A. I., Grigoras M., Stoian G., Lupu N., Turcan I., Cimpoesu N., Istrate B., Radu I., Danila R., Pui A., Nanostructured quaternary Ni _{1-x} Cu _x Fe _{2-y} Ce _y O ₄ complex system: Cerium content and copper substitution dependence of cation distribution and magnetic-electric properties in spinel ferrites, <i>Ceramics International</i> , 2021, 47 (13), 17177-17187. DOI, 10.1016/j.ceramint.2021.03.136	4.527	4.527	4.527	4.527
13	Roman, T., Pui, A., Lukacs, A.V., Cimpoesu, N., Lupescu, S., Borhan, A.I., Kordatos, K., Ntziouni, A., Postolache, P., Zaharia, M., Stanciu, S., Mitoșeriu, L., Structural changes of cerium doped copper ferrites during sintering process and magneto-electrical properties assessment, <i>Ceramics International</i> , 45 (14), 2019, Pages 17243-17251. DOI10.1016/j.ceramint.2019.05.280	4.527	4.527	4.527	4.527
14	Virlan, C., Bulai, G., Caltun, O.F., Hempelmann, R., Pui, A., Rare earth metals' influence on the heat generating capability of cobalt ferrite nanoparticles, <i>Ceramics International</i> , 42 (10), 2016, Pages 11958-11965. DOI10.1016/j.ceramint.2016.04.121	4.527	4.527	4.527	4.527
15	D. Gherca, A. Pui, V. Nica, O. Caltun, N. Cornei, Eco-environmental synthesis and characterization of nanophase powders of Co, Mg, Mn and Ni ferrites, <i>Ceramics International</i> 40 (2014) 9599-9607. DOI10.1016/j.ceramint.2014.02.036	4.527	4.527		
16	O. Pintilie, I. Profire, V. Sunel, M. Popa, A. Pui, Synthesis and Antimicrobial activity of Some New 1,3,4-Thiadiazole and 1,2,4-triazole Compounds Having a DL-Methionine Moiety, <i>Molecules</i> , 12, 2007, 103-113.	4.412	4.412		
17	Corneliu Hamciuc, Mihai Asandulesa, Elena Hamciuc, Tiberiu Roman, Marius Andrei Olariu, Aurel Pui, Novel Polyimide/Copper-Nickel Ferrite Composites with Tunable Magnetic and Dielectric Properties, <i>Polymers</i> , 2021, 13, 1646., https://doi.org/10.3390/polym13101646	4.329	4.329	4.329	4.329
18	Huema G., Borhan A.I., Herea D.D., Stoian G., Chiriac H., Lupu N., Roman T., Pui A., Harja M., Gherca D., Magnetic solid phase extraction of cadmium ions by hybrid self-assembled multicore type nanobeads, <i>Polymers (Open Access)</i> 13 (2), 2021, (no. 229), 1 - 16, DOI10.3390/polym13020229	4.329	4.329		

19	Zaharia M., Mihai M., Roman T., Zbancioc G., Pui A., Gradinaru R.V., Logigan C., Drochioiu G., Unusual ferrite induced photohydrolysis of dinitrophenols to nonaromatic and nontoxic derivatives, <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 394, 112497. DOI10.1016/j.jphotochem.2020.112497	4 291	4 291		
20	M. Airimioaei, R. Stanculescu, V. Preutu, C. Ciomaga, N. Horchidan, S. Tascu, D. Lutic, A. Pui, L. Mitoseri, Effect of particle size and volume fraction of BaTiO ₃ powders on the functional properties of BaTiO ₃ /poly(ϵ -caprolactone) composites, <i>Materials Chemistry and Physics</i> , 182 (2016) 246e255, 246-255. DOI10.1016/j.matchemphys.2016.07.029	4 094	4 094		
21	Nicoleta Melniciuc Puica, Aurel Pui, Danut Cozma, Elena Ardelean, A statistical study on the thermal degradation of some paper supports (old documents), <i>Materials Chemistry and Physics, Phys.</i> 113 (2009) 544-550.	4.094	4.094		
22	Ciocarlan, R.-G., Seftel, E.M., Mertens, M., Pui, A., Mazaj, M., Novak Tusar, N., Cool, P., Novel magnetic nanocomposites containing quaternary ferrites systems Co _{0.5} Zn _{0.25} M _{0.25} Fe ₂ O ₄ (M = Ni, Cu, Mn, Mg) and TiO ₂ -anatase phase as photocatalysts for wastewater remediation under solar light irradiation, <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , Volume 230, April 2018, Pages 1-7.	4.051	4.051		
23	Humelnicu D., Pui A., Malutan C., Malutan T., Humelnicu I., Synthesis, characterization and theoretical investigations of new uranium (VI) and thorium (IV) complexes with 1-furfurylaldehyde-derived Schiff bases as ligands, 2020, <i>Journal of Saudi Chemical Society</i> , 24 (6), pag. 451-460. DOI10.1016/j.jscs.2020.04.001	3.932	3.932		
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25	Palamarciuc, O., Milunović, M.N.M., Sirbu, A., Stratulat, E., Pui, A., Gligorijevic, N., Radulovic, S., Kožisek, J., Darvasiova, D., Rapta, P., Enyedy, E.A., Novitchi, G., Shova, S., Arion, V.B., Investigation of the cytotoxic potential of methyl imidazole-derived thiosemicarbazones and their copper(ii) complexes with dichloroacetate as a co-ligand, <i>New Journal of Chemistry</i> , 43, Issue 3, 2019, Pages 1340-1357. DOI10.1039/c8nj04041a	3.591	3.591		
26	Postolachi, R., Danac, R.,Buurma, N.J., Pui, A., Balan, M., Shova, S.,Deleanu, C., New cycloimmonium ylide ligands and their palladium(ii) affinities, <i>RSC Advances</i> , 2013, 3 (38), pp. 17260-17270. 10.1039/c3ra41911h	3.361	3.361		
27	Ramona Danac, Aurel Pui, Ion Corja, Roxana-Maria Amarandi, Catalina Ionica Ciobanu, Mircea-Odin Apostu, Oleg Palamarciu, New M(II) (M=Mn, Co, Ni, Cu, Zn, Pd) coordinative compounds with 2-formylpyridine S-methyl-isothiosemicarbazide, <i>Journal of Molecular Structure</i> , 1207, 2020, 127747. DOI10.1016/j.molstruc.2020.127747	3 196	3 196	3 196	3 196
28	Muresan, E.I., Pui, A., Măluțan, T., Coroabă, A., Cimpoesu, N., Istrate, B., Pinteală, M., Hard meso/macroporous iron oxide/iron silicate microspheres obtained by the multi-templating technique, <i>Journal of Chemical Technology and Biotechnology</i> , 94 (9), 2019, Pages 2888-2898, DOI10.1002/jctb.6092	3 174	3 174		
29	Aurel Pui, Theodor Malutan, Lucia Tataru, Corina Malutan, Doina Humelnicu, Gabriela Carja, New complexes of lanthanide Ln(III), (Ln = La, Sm, Gd, Er) with Schiff bases derived from 2-furaldehyde and phenylenediamines, <i>Polyhedron</i> , 30 (2011) 2127-2131. DOI10.1016/j.poly.2011.05.029	3 052	3 052	3 052	3 052
30	Aurel Pui, Jean-Pierre Mahy, Synthesis, characterization and catalytic activity of halo-methyl- bis(salicylaldehyde) ethylenediamine cobalt(II) complexes, <i>Polyhedron</i> , 26, 2007, 3143-3152.	3 052	3 052	3 052	3 052
31	Daniel Gherca, Aurel Pui, Nicoleta Cornei, Alina Cojocariu, Valentin Nica, Ovidiu Caltun, Synthesis, charactyerization and magnetic properties of MFe ₂ O ₄ (M = Co, Mg, Mn, Ni) nanoparticles using ricin oil as capping agent, <i>J. Magn. Magn. Materials</i> , 324 (2012), 2012, 3906-3911, DOI10.1016/j.jmmm.2012.06.027	2 993	2 993	2 993	2 993
32	Robert Gradinaru, Alin Ionas, Aurel Pui, Gheorghita Zbancioc, Gabi Drochioiu, Interaction of inorganic mercury with CoA-SH and acyl-CoAs, <i>Biomaterials</i> , DOI 10.1007/s10534-011-9472-z, <i>Biomaterials</i> (2011) 24:1115-1121. DOI10.1007/s10534-011-9472-z	2 949	2 949		
33	Lückmann, M., Amarandi, R.-M., Papargyri, N., Jakobsen, M.H., Christiansen, E., Jensen, L.J., Pui, A., Schwartz, T.W., Rosenkilde, M.M., Frimurer, T.M., Structure-based discovery of novel US28 small molecule ligands with different modes of action, <i>Chemical Biology and Drug Design</i> , 2017, 89 (3), 289-293. DOI10.1111/cbdd.12848	2 817	2 817		
34	Diana Mardare, Nicoleta Cornei, Dumitru Luca, Marius Dobromir, Ștefan A. Irimiciuc, Luciana Pungă, Aurel Pui and Cătălin Adomniței, Synthesis and hydrophilic properties of Mo doped TiO ₂ thin films, <i>JOURNAL OF APPLIED PHYSICS</i> , 2014, 115, 21, 213501_1-5. DOI10.1063/1.4880339	2 546	2 546		
35	Aurel Pui, Clotilde Policar, Jean-Pierre Mahy, Electronic and steric effects in cobalt Schiff bases complexes. Synthesis, characterization and catalytic activity of some cobalt(II) tetra-halogens-dimethyl salen complexes, <i>Inorg. Chim. Acta</i> , 360, 2007, 2139-2144.	2 545	2 545	2 545	2 545
36	Aurel Pui, Ioan Berdan, Martine Perrée-Fauvete, Irène Morgenstern-Badarau, Electrochemical and Spectroscopic Characterization of New Co(II) Complexes. Their Catalytic Activity in Oxidation Reactions by Molecular Oxygen. <i>Inorg. Chimica Acta</i> , 320: (1-2), 2001, 168-172.	2 545	2 545	2 545	2 545
37	Amor, C.O., Kais elghnjia, Virlan, C., Pui, A., Elaloui, E., Effect of dysprosium ion (Dy 3+) doping on morphological, crystal growth and optical properties of TiO 2 particles and thin films, <i>Physica B: Condensed Matter</i> , 560, 1 May 2019, Pages 67-74. DOI10.1016/j.physb.2019.02.017	2 436	2 436		
38	Muresan, E.I., Lutic, D., Lisa, G., Pui, A., Mesoporous aluminosilicate microspheres obtained by spray gelling technique, <i>Journal of Sol-Gel Science and Technology</i> , 2017, 81 (3) p. 934-944. DOI10.1007/s10971-016-4238-2	2.326	2.326		
39	Th. Malutan, A. Pui, C. Malutan, L. Tataru, D. Humelnicu, A Fluorescence Emission, FT-IR and UV-VIS Absorption Study of the Some Uranium (VI) Schiff Bases Complexes, <i>Journal of Fluorescence</i> , (2008) 18:707-713.	2 217	2 217		

40	Muresan E.I., Diaconu M., Zaharia C., Rosu G., Danila A., Pui A., Bioactive Textiles Obtained by Using Aqueous Extracts of Vine Leaves. 2020, <i>Fibers and Polymers</i> , 21 (11), pag. 2505-2512. DOI10.1007/s12221-020-1153-5	2 153	2.153		
41	Roman, T., Asavei, R.-L., Karkalos, N.E., Roman, C., Virlan, C., Cimpoesu, N., Istrate, B., Zaharia, M., Markopoulos, A.P., Kordatos, K., Stanciu, S., Pui, A., Synthesis and adsorption properties of nanocrystalline ferrites for kinetic modeling development, <i>International Journal of Applied Ceramic Technology</i> , 16, Issue 2, March/April 2019, Pages 693-705. DOI10.1111/ijac.13091	1 968	1.968	1.968	1 968
42	C. Virlan, F. Tudorache, A. Pui, Increased sensibility of mixed ferrite humidity sensors by subsequent heat treatment, <i>International Journal of Applied Ceramics Technology</i> , <i>International Journal of Applied Ceramic Technology</i> , 14(6), 2017, pp. 1174-1182. DOI10.1111/ijac.12706	1 968	1.968	1.968	1 968
43	C. Virlan, O.F. Caltun, D. Lutic, A. Pui, New bio-surfactant used in the synthesis of functionalized nanoferrites as potential catalysts, <i>Current Nanoscience</i> , Volume 13, Issue 3, 2017, Pages 247-253.	1 824	1.824	1.824	1 824
44	Cozma, DG., Gherca, D., Mihalcea I., Virlan C., Cornei N., Pui, A., Correlation Between Size of CoFe2O4 Nanoparticles Determined from Experimental and Calculated Data by Different Mathematical Models, 2014 CURRENT NANOSCIENCE 10 (6), pp.869-876. DOI10.2174/1573413710666140809010251	1 824	1.824	1.824	1 824
45	Irina Andreea Cozaciuc, Rodica Postolachi, Robert Gradinaru, Aurel Pui, Synthesis and characterization of uranyl(VI) chiral Schiff-base complexes derived from salicylaldehyde and L-aminoacids, <i>J. Coord. Chem.</i> , 65/12, 2012, pages 2170-2181, DOI: 10.1080/00958972.2012.690146, DOI10.1016/j.poly.2011.05.029	1 751	1.751	1.751	1 751
46	Aurel Pui, Manganese (II) complexes with bis(3-halo-2-hydroxy-5-methylacetophenone) ethylenediamine; structure, characterization and redox behavior, <i>J. Coord. Chem.</i> , 60/7, 2007, 709-718.	1 751	1.751	1.751	1 751
47	Aurel Pui, Cristian Dobrota, Jean-Pierre Mahy, Electrochemical, Spectroscopic Characterization and Catalytic Activity of Cobalt (II) Complexes of tetra-chloro-R-Salen ([tClSalen = bis(3,5-di-chloro- α -R salicylidene) ethylenediamine]) and tetra-chloro-R-Salophen ([tClSalophen = bis(3,5-di-chloro- α -R salicylidene)-1,2-phenylenediamine]), R = H, CH ₃ , CH ₂ -CH ₃ , <i>J. Coord. Chem.</i> , 60/5, 2007, 581-595.	1 751	1.751	1.751	1 751
48	Ramona Danac, Raluca Rusu, Alexandru Rotaru, Aurel Pui, Sergiu Shova, New conjugates of calix[4]arenes bearing dipyrindine and indolizine heterocycles, <i>Supramolecular Chemistry</i> , Volume 24, Issue 6, 2012, 424-435. DOI10.1080/10610278.2012.688122	1 688	1.688		
49	Cristina Rimbu, Ramona Danac, Aurel Pui, Antibacterial Activity of Pd(II) Complexes with Salicylaldehyde-Amino Acids Schiff Bases Ligands, <i>Chem. Pharm. Bull.</i> (2014) 62(1) 12-15. DOI10.1248/cpb.c12-01087	1 645	1.645	1.645	1 645
50	Trandafir, E.V., Caltun, O.F., Ciocarlan, R., Pui, A., Hempelmann, R., Diamandescu, L.d., Cervera, S.e, Trassinelli, M.e, Vernhet, D., Effect of slow charged 90 keV Ne ⁸⁺ ions on zinc ferrite nanoparticles, <i>Materials Research Express</i> , 6 (9), 2019, Article number 095077. DOI10.1088/2053-1591/ab3174	1 449	1.449		
		0	0	0	0
N _{max}		174.48	174.48	80.181	80.181
		$FIC_{Co} = \sum_{i=1}^{N_{max}} FIC_{Co,i}$	$FIC_{Co} = \sum_{i=1}^{N_{max}} FIC_{Co,i}$	$FIC_{Cu} = \sum_{i=1}^{N_{max}} FIC_{Cu,i}$	$FIC_{Zn} = \sum_{i=1}^{N_{max}} FIC_{Zn,i}$

Valori minime ptr profesor universitar

100

70

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N_{max} este numărul maxim de publicații pe care candidatul alege să le prezinte în dosar, organizate în ordinea descrescătoare a factorilor de impact a revistelor în care au fost publicate.

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