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Articole publicate într-o revistă indexată Web of Science, SCOPUS, IEEE

Nr. Crt.	Articole publicate într-o revistă indexată Web of Science, SCOPUS, IEEE	Factor impact (FI)	Quartile (Q1, Q2, Q3, Q4)
1	Avram S., Bologa C.G., Holmes J., Bocci G., Wilson T.B., Nguyen D.T., Curpan R., Halip L., Bora A., Yang J.J., Knockel J., Sirimulla S., Ursu O., Oprea T.I. DrugCentral 2021 supports drug discovery and repositioning <i>Nucleic Acids Res.</i> , 49(D1), D1160-D1169, 2021	19.16	Q1
2	Ianăși C., Ianăși P., Negrea A., Ciopec M., Ivankov O.I., Kuklin A.I., Almásy L., Putz A.M. The role of catalyst in structural and adsorptive properties of magnetic nanocomposite <i>Korean J. Chem. Eng.</i> 38, 292-305, 2021.	3.146	Q3
3	Popa A., Borcanescu S., Holclajtner-Antunović I., D. Bajuk-Bogdanović, Uskoković Marković S. Preparation and characterisation of amino-functionalized pore-expanded mesoporous silica for carbon dioxide capture <i>J. Porous Mater.</i> 28, 143-156 2021	2.523	Q2
4	Verdes O., Sasca V., Popa A., Suba M., Borcanescu S., Catalytic activity of heteropoly tungstate catalysts for ethanol dehydration reaction: Deactivation and regeneration <i>Catal. Today</i> , 366, 123-132, 2021	6.526	Q1
5	Nichita I., Lupa L., Visa A., Popa A. One-pot synthesis, characterization and in vitro antibacterial evaluation of bioactive "aminophosphinic acid" groups grafted onto polymeric-support <i>Polym. Bull.</i> , 78, 2505-2522, 2021	2.843	Q3
6	Petrescu Alina-Maria, Putz M.V., Ifrim F.C., Ilia G., Paunescu V., LD/MM+ simulation of some aristolochic and humic acids species coupled in periodic box with water <i>Curr. Comput.-Aid. Drug</i> , 17(6), 708-724, 2021	1.639	Q4
7	Ilia G., Simulescu V., Hulka I., Hybrids containing zirconium and phosphorus compounds obtained by sol-gel method. <i>Colloid Polym. Sci.</i> , 299, 137-151, 2021	2.434	Q3
8	Borota A.*, Halip L., Curpan R., Bora A., Avram S., Mracec M., Mracec M. Structure-and ligand-based studies to gain insight into the pharmacological implications of histamine H3 receptor <i>Struct. Chem.</i> , 32, 1141-1149, 2021	1.795	Q3
9	Halip L., Avram S., Neanu C.* The B-factor index for the binding site (BFlbs) to prioritize crystal protein structures for docking. <i>Struct. Chem.</i> 32, 1693-1699, 2021	1.795	Q3

10	Abderrahman B., Maximov P. Y., Curpan R. F., Fanning S. W., Hanspal J. S., Fan P., Foulds C. E., Chen Y., Malovannaya A., Jain A., Xiong R., Green G. L., Tonetti D. A., Thatcher G. R. J., Jordan V. C. Rapid induction of the unfolded protein response and apoptosis by estrogen mimic TTC-352 for the treatment of endocrine-resistant breast cancer <i>Mol. Cancer. Ther.</i> 20, 11-25, 2021.	6.011	Q2
11	Avram S., Halip L., Curpan R., Oprea T.I. Novel drug targets in 2020 <i>Nat. Rev. Drug Discov.</i>, 20(5), 333, 2021	112.288	Q1
12	Crisan L.*, Bora A.* Small molecules of natural origin as potential Anti-HIV agents: a computational approach <i>Life-Basel</i>, 11(7), 722, 2021	3.253	Q2
13	Crisan L., Varga D., Bora A., Pacureanu L.* Retrospective and prospective screening for potential novel natural MAO-B selective inhibitors and drug repurposing for Parkinson's disease <i>Mol. Divers.</i>, 25, 1775-1794, 2021.	3.364	Q2
14	Buta I., Nistor M.A., Lönnecke P., Hey-Hawkins E., Muntean S.G.*, O. Costisor* One-dimensional Cadmium (II) coordination polymers: structural diversity, luminescence and photocatalytic properties <i>J. Photochem. Photobiol. A</i>, 404, 112961, 2021	5.141	Q2
15	Nistor M.A., Muntean S.G., Ianoş R., Racoviceanu R., Ianaşi C., Cseh L. Adsorption of anionic dyes from wastewater onto magnetic nanocomposite powders synthesized by combustion method <i>Appl. Scie.</i>, 11(19), 9236, 2021	2.838	Q2
16	Ilia G, Simulescu V.*, Gheonea R., Crasmareanu E., Hulka I. Grafting on metal oxide surface of phenyl phosphinic acid by using solid state process. <i>J. Iran. Chem. Soc.</i>, 18(7), 1815-1823, 2021	2.271	Q3
17	Ilia G., Simulescu V.*, Mergheş P., Varan N. The health benefits of honey as an energy source with antioxidant, antibacterial and antiseptic effects. <i>Sci. Sports</i>, 36(4), 272.e1-272.e10, 2021	0.987	Q4
18	Ilia G.*, Simulescu V.*, Hulka I. Hybrids containing zirconium and phosphorus compounds obtained by sol-gel method. <i>Colloid. Polym. Sci.</i>, 299(1), 137-151, 2021	2.434	Q3
19	Sumalan R.L., Halip L.*, Maffei M.E., Croitor L., Siminel A.V., Radulov I., Sumalan R.M., Crisan M.E.* Bioprospecting fluorescent plant growth regulators from Arabidopsis to vegetable crops <i>Int. J. Mol. Sci.</i> 22, 2797, 2021	6.208	Q1
20	Crisan M.*, Petric M., Vlase G., Vlase T., Siminel A.V., Bouroush P., Croitor L.*	4.755	Q1

	Organic salt versus salt cocrystal: thermal behavior, structural and photoluminescence investigations <i>J. Therm. Anal. Calorim.</i> , 147,1203-1213, 2021		
21	Gorobet A., Crisan M.E.*, Bourosh P., Siminel A.V., Croitor L* Supramolecular architectures and photoluminescent properties of triethanolammonium 4-nitrobenzoate salt and its Ni(II) complexes <i>Polyhedron</i> 193, 114893, 2021	2.975	Q2
22	Lupa L., Filimon A.*, Popa A.*, Dunca S. Development of adsorbent materials based on functionalized copolymers with future applications as antibacterial agent in life quality and environmental field <i>React. Funct. Polym.</i> , 161, 104845, 2021	4.966	Q1
23	Moschona A., Plesu N., Colodrero R.M.P., Cabeza A., Thomas A.G., Demadis K. D.* Homologous alkyl side-chain diphosphonate inhibitors for the corrosion protection of carbon steels <i>Chem. Eng. J.</i> , 405, 126864, 2021	16.744	Q1
24	Song J., Hua M., Huang X., Visa A., Wu T., Hou M., Zhang Z., Han B.* Highly efficient Meerwein-Ponndorf-Verley reductions over a robust zirconium-organoboronic acid hybrid <i>Green Chem.</i> , 23, 1259-1265, 2021	11.034	Q1
25	Visa A., Ilia G., Lupa L., Maranescu B.* Use of highly stable phosphonate coordination polymers as adsorbents for wastewater <i>Appl. Organomet. Chem.</i> , 35(5), e6184, 2021	4.072	Q1
26	Bazaga-García M., Vilchez-Cózar A., Maranescu B., Olivera-Pastor P., Marganovici M., Ilia G., Cabeza Díaz A., Visa A.*, Colodrero R.M.P.* Synthesis and electrochemical properties of metal(II)-carboxyethylphenylphosphinates <i>Dalton Trans.</i> , 50, 6539-6548, 2021	4.569	Q1
27	Wissinger J.*, Visa A., Saha B., Matlin S., Mahaffy P., Kümmerer K., Cornell S. Integrating sustainability into learning in chemistry <i>J. Chem. Educ.</i> , 98(4), 1061-1063, 2021	3.208	Q3
28	Visa A., Plesu N.*, Maranescu B., Ilia G., Borota A., Crisan L.* A combined experimental and theoretical insights into the corrosion inhibition activity on carbon steel iron of phosphonic acids <i>Molecules</i> , 26(1), 135, 2021	4.927	Q2
29	Popa S., Rădulescu-Grad M.E.*, Perdivara A., Mosoarca G.* Aspects regarding colour fastness and adsorption studies of a new azo-stilbene dye for acrylic resins <i>Sci. Rep.</i> , 11, 5889, 2021	4.997	Q2
30	Gorobet A., Crisan M. E., Bourosh P., Croitor L. * Structural investigation and Hirshfeld surface analysis of Cu(II) triethanolamine 4-nitrobenzoate <i>Rev. Roum. Chim.</i> 66(4), 355-359, 2021	0.41	Q4

31	Fratilescu I., Dudás Z., Birdeanu M., Epuran C., Anghel D., Fringu I., Lascu A., Len A., Fagadar-Cosma E. Hybrid silicamaterials applied for fuchsine B color removal from wastewaters. <i>Nanomaterials</i> 11, 863, 2021	5.719	Q1
32	Tanasa E., Maxim F.I., Erniyazov T., Iacob M.-T., Skála T., Tanase L.C., Ianăși C., Moiescu C., Miron C., Ardelean I., Antohe V.-A., Fagadar-Cosma E., Stamatin S.N. Beyond nitrogen in the oxygen reduction reaction on nitrogen-doped carbons: a NEXAFS investigation <i>Nanomaterials</i> 11, 1198, 2021	5.719	Q1
33	Birdeanu M., Epuran C., Fratilescu I., Fagadar-Cosma E.* Structured thin films based on synergistic effects of MnTa ₂ O ₆ oxide and bis-carboxy-phenyl-substituted porphyrins, capable to inhibit steel corrosion <i>Processes</i> 9, 1890, 2021	3.352	Q2
34	Putz A.-M.*, Almásy L.*, Horváth Z.E., Trif L. Butyl-methyl-pyridinium tetrafluoroborate confined in mesoporous silica xerogels: thermal behaviour and matrix-template interaction <i>Materials</i> 14(17), 4918, 2021	3.748	Q1
35	Len A., Paladini G., Románszki L., Putz A.-M., Almásy L., László K., Bálint S., Krajnc A., Kriechbaum M., Kuncser A., Kalmár J., Dudás Z*. Physicochemical characterization and drug release properties of methyl-substituted silica xerogels made using sol-gel process <i>Int J. Mol. Sci.</i> 22(17), 9197, 2021	6.208	Q1
36	Policicchio A.*, Putz A.-M.*, Conte G., Stelitano S., Bonaventura C.P., Ianăși C., Almásy L., Wacha A., Horváth Z.E., Agostino R.G. Hydrogen storage performance of methyl-substituted mesoporous silica with tailored textural characteristics <i>J. Porous Mater.</i> 28, 1049-1058, 2021	2.523	Q2
37	Moțoc S., Ianăși C., Baciuc A., Delcioiu C., Săcărescu L., Putz A.-M., Manea F.* Humic acid removal from water by sorption and photocatalysis under VIS irradiation using α -Fe ₂ O ₃ nanomaterial <i>Environ. Eng. Manag. J.</i> 20(3), 335-345, 2021	0.858	Q4
38	Putz A.-M.*, Ciopec M.*, Negrea A., Grad O., Ianăși C., Ivankov O.I., Milanovic M., Stijepovic I., Almásy L. Comparison of structure and adsorption properties of mesoporous silica functionalized with aminopropyl groups by the Co-condensation and the post grafting methods <i>Materials</i> 14(3), 628, 2021	3.748	Q1
39	Pîcioruș E.M., Svera (Ianăși) P., Ianăși C.* Porous silicas from mixtures of Na ₂ Si ₃ O ₇ aqueous solution and TEOS. Influence of sodium silicate amount <i>Studia UBB Chemia</i> , 66, 1, 35-48, 2021	0.558	Q4

40	Finčur N., Sfîrloagă P., Putnik P.*, Despotović V., Lazarević M., Uzelac M., Abramović B., Vlazan P., Ianăși C., Alapi T., Náfrádi M., Maksimović I., Putnik-Delić M., Šojić-Merkulov D.* Removal of emerging pollutants from water using environmentally friendly processes: photocatalysts preparation, characterization, intermediates identification and toxicity assessment <i>Nanomaterials</i> 11(1), 215, 2021	5.719	Q1
41	Borcănescu S*., Popa A., Bajuk-Bogdanović D., Holclajtner-Antunović I., Uskoković-Marković S., Amino-functionalized mesoporous materials used for CO ₂ adsorption <i>Environ. Eng. Manag. J.</i> 20, 1893-1903, 2021	0.858	Q4
42	Negrea S., Diaconu L.A., Nicorescu V., Motoc S. (m. Ilies), Orha C., Manea F.* Graphene oxide electroreduced onto boron-doped diamond and electrodeposited with silver (Ag/GO/BDD) electrode for tetracycline detection in aqueous solution <i>Nanomaterials</i> 11, 1566-1585, 2021	5.719	Q1
43	Motoc S. (m. Ilies), Schinteie B., Pop A., Negrea S., Cretu C., Szerb E.I.*, Manea F.* Graphene quantum dots and Cu(I) liquid crystal for advanced electrochemical detection of doxorubicin in aqueous solutions <i>Nanomaterials</i> 11(11), 2788, 2021	5.719	Q1
44	Buta I.*, Shova S., Ilies S., Manea F., Andruh M., Costisor O. Mono- and oligonuclear complexes based on a o-vanillin derived Schiff-base ligand: synthesis, crystal structures, luminescent and electrochemical properties <i>J. Mol. Struct.</i> 1248, 131439, 2021.	5.141	Q2
45	Mazzone G., Sicilia E., Szerb E. I., La Deda M., Ricciardi L., Furia E., Sanz Mendiguchia B., Scarpelli F., Crispini A.*, Aiello I. Heteroleptic Cu(II) saccharin complexes: intriguing coordination modes and properties <i>Inorg. Chem. Front.</i> 8, 3342-3353, 2021	7.779	Q1
46	Calandra P.*, Szerb E.I., Lombardo D., Algieri V., De Nino A., Maiuolo L.* A presentation of ionic liquids as lubricants: some critical comments <i>Appl. Sci.</i> 11, 5677, 2021.	2.838	Q2
47	Yang S.G., Wei Z.Z., Cseh L., Kazemi P., Zeng X.B., Xie H.J., Saba H., Ungar G.* Bowls, vases and goblets-the microcrockery of polymer and nanocomposite morphology revealed by two-photon optical tomography <i>Nat. Commun.</i> 12(1), 5054, 2021	17.694	Q1
48	Verdes O.*, Sasca V., Popa A., Suba M., Borcanescu S. Catalytic activity of heteropoly tungstate catalysts for ethanol dehydration reaction: deactivation and regeneration <i>Catal. Today</i> 366, 123-132, 2021	6.562	Q1

49	Jevremovic A., Nedic Vasiljevic B., Popa A., Uskokovic-Markovic S., Ignjatovic L., Bajuk-Bogdanovic D., Milojevic-Rakic M.* The environmental impact of potassium tungstophosphate/ZSM-5 zeolite: Insight into catalysis and adsorption processes <i>Micropor. Mesopor. Mater.</i> 315, 110925, 2021	5.876	Q1
50	Janićijević D., Uskoković-Marković S., Popa A., Nedić Vasiljević B., Jevremović A., Milojević-Rakić M., Bajuk-Bogdanović D.* The impact of preparation route on the performance of silver dodecatungstophosphate/ β zeolite catalysts in the ethylene production <i>Chem. Papers</i> 75, 3169-3180, 2021	2.146	Q3
51	Popa A., Visa A., Maranescu B.*, Hulka I., Lupa L.* Chemical modification of chitosan for removal of Pb(II) ions from aqueous solutions <i>Materials</i> 14(24), 7894, 2021	3.748	Q1
52	Szerb E.I., Chatterjee S., La Deda M., Palermo G., Sancey L., Strangi G., Ricciardi L.* A Luminescent, water-soluble Ir(III) complex as a potential photosensitizer for two-photon photodynamic therapy <i>Appl. Sci.</i> 11, 11596, 2021	2.838	Q2
53	Ciopec M., Grad O., Negrea A., Duteanu N., Negrea P., Paul C., Ianasi C., Mosoarca G., Vancea C., A New Perspective on Adsorbent Materials Based Impregnated MgSiO ₃ with Crown Ethers for Palladium Recovery <i>Int. J. Mol. Sci.</i> 22(19), 10718, 2021	6.208	Q1
54	Calandra P., La Parola V., Lombardo D., Peddis D., Cretu C., Szerb E.I., Wave-Particle Dualism Development from the First Speculations on Light to Modern Methods to Probe Materials: an Opportunity for a Flipped Classroom Approach <i>Atti Accad. Pelorit. Pericol.</i> , 99(S1), A37, 2021	NA	NA
55 <i>Alte baze</i>	Szerb E. I., Domokos R.-A., Crețu C., La Deda M., Chiș V. Vibrational and NMR properties of 2,2'-biquinolines: experimental and computational spectroscopy study <i>J. Nanosci. Nanotechnol.</i> , 21, 2404-2412, 2021	NA	NA
TOTAL		360.59	Q1=24 Q2=14 Q3=9 Q4=6 NA=2