

2022

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

Nr. Crt.	Articol publicat în reviste cotate Web of Science, SCOPUS, IEEE, Alte baze	Factor impact (FI)	Quartile (Q1, Q2, Q3, Q4)
1	La Deda M., Di Maio G., Candreva A., Heinrich B., Andelescu A. A., Popa E., Voirin E., Badea V., Amati M., Costisor O., Donnio B.*, Szerb E. I.* Very intense polarized emission in self-assembled room temperature metallomesogens based on Zn(II) coordination complexes: an experimental and computational study <i>J. Mater. Chem. C</i> , 2010, 115-125, 2022	6.4	Q1
2	Avram S.*, Neanu C.* Large-scale comparison between the diffraction-component precision indexes favors Cruickshank's Rfree function <i>J. Serb. Chem. Soc.</i> , 87(3), 321-330, 2022	1.0	Q4
3	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>Poll. Bull.</i> , 79, 763-783, 2022	3.2	Q2
4	Crisan L., Funar-Timofei S., Borota A.* Homology modeling and molecular docking approaches for the proposal of novel insecticides against the African Malaria Mosquito (<i>Anopheles gambiae</i>) <i>Molecules</i> 27, 3846, 2022	4.6	Q2
5	Maximov P.Y., Fan P., Abderrahman B., Curpan R., Jordan V.C. Estrogen receptor complex to trigger or delay estrogen-induced apoptosis in long-term estrogen-deprived breast cancer <i>Front. Endocrinol.</i> 13, 869562, 2022	5.2	Q1
6	Avram S., Halip L., Curpan R., Oprea T. I. Novel drug targets in 2021 <i>Nat. Rev. Drug Discov.</i> 21(5), 328, 2022	120.1	Q1
7	Istrate D., Crisan L.* Natural compounds as DPP-4 inhibitors: 3D-similarity search, ADME toxicity, and molecular docking approaches <i>Symmetry</i> 14,1842, 2022.	2.7	Q2
8	Vílchez-Cózar Á., Armakola E., Gjika M., Visa A., Bazaga-García M., Olivera-Pastor P., Choquesillo-Lazarte D., Marrero-López D., Cabeza A., Colodrero R.M. P., Demadis K.D. Exploiting the multifunctionality of M ²⁺ /imidazole-etidronates for proton conductivity (Zn ²⁺) and electrocatalysis (Co ²⁺ , Ni ²⁺) toward the HER, OER, and ORR <i>ACS Appl. Mater. Interfaces</i> 14, 11273-11287, 2022	9.5	Q1
9	Maranescu B., Visa A.* Applications of metal-organic frameworks as drug delivery systems <i>Int. J. Mol. Sci.</i> 23, 4458, 2022	5.6	Q1

10	Ardelean R., Popa A., Drăgan E.S.*, Davidescu C.-M.*, Ignat M. New polymeric adsorbents functionalized with aminobenzoic groups for the removal of residual antibiotics <i>Molecules</i> 27, 2894, 2022	4.6	Q2
11	Murariu A. C., Macarie L. , Crisan L*, Pleșu N*. Experimental investigations of AlMg3 components with poly-urethane and graphene oxide nanosheets composite coatings, after accelerated UV-aging <i>Molecules</i> 27(1), 84, 2022	4.6	Q2
12	Muntean S. G.*, Halip L.*, Nistor M. A., Pacurariu C. Efficient separation and removal of dyes from single and multiple systems by magnetic/silver/carbon nanocomposite: mechanism and mathematical modeling <i>Sustain. Chem. Pharm.</i> 29, 100802, 2022	6.0	Q1
13	Nistor M. A., Halip L.*, Muntean S. G.*, Kurunczi L., Costisor O. Modeling and optimization of acid Orange 7 Adsorption process using magnetite/carbon nanocomposite <i>Sustain. Chem. Pharm.</i> 29, 100778, 2022	6.0	Q1
14	Moșoarca G*, Vancea S., Popa S., Rădulescu-Grad M.E., Boran S., Powdered adsorbent obtained from bathurst burr biomass for methylene blue removal from aqueous solutions <i>J. Serb. Chem. Soc.</i> , 87(0), 2022	1.0	Q4
15	Croitor L., Vlase G., Vlase T., Bourosh P.N., Chumakov Y.M., Crisan M.* Relationship between crystal structure and thermal properties of polymorphic system methylethanolammonium 2-chloro-4-nitrobenzoate <i>J. Therm. Anal. Calorim.</i> 147(9), 5437-5449, 2022	4.4	Q1
16	Croitor L., Petric M.*, Crisan L., Bourosh P.N., Vlase G., Vlase T., Crisan M.* Effect of substituents on the crystal structure and thermal stability of N-phosphorylated iminophosphoranes <i>J. Therm. Anal. Calorim.</i> , 147(9), 5423-5435, 2022	4.4	Q1
17	Fratilescu I., Lascu A., Taranu B.O., Epuran C., Birdeanu M., Macsim A.-M., Tanasa E., Vasile E., Fagadar-Cosma E. One A ₃ B porphyrin structure-three successful applications <i>Nanomaterials</i> 12(11), 1930, 2022	5.3	Q1
18	Epuran C., Fratilescu I., Macsim A.-M., Lascu A., Ianasi C., Birdeanu M., Fagadar-Cosma E.* Excellent cooperation between carboxyl-substituted porphyrins, k-Carrageenan and AuNPs for extended application in CO ₂ capture and manganese ion detection <i>Chemosensors</i> 10(4), 133, 2022	4.2	Q2
19	Epuran C., Fratilescu I., Anghel D., Birdeanu M., Orha C., Fagadar-Cosma E. A comparison of uric acid optical detection using as sensitive materials an amino-substituted porphyrin and its nanomaterials with CuNPs, PtNPs and Pt@CuNPs <i>Processes</i> 9, 2072, 2021	3.2	Q2
20	Birdeanu M.; Fratilescu I.; Epuran C.; Murariu A.C.; Socol G.; Fagadar-Cosma E.*	5.3	Q1

	Efficient decrease in corrosion of steel in 0.1 M HCl medium realized by a coating with thin layers of MnTa_2O_6 and porphyrins using suitable laser-type approaches <i>Nanomaterials</i> , 12(7), 1118, 2022		
21	Taranu B.-O., Fagadar-Cosma E. Catalytic properties of free-base porphyrin modified graphite electrodes for electrochemical water splitting in alkaline medium <i>Processes</i> 10, 611, 2022	3.5	Q2
22	Taranu B.-O., Fagadar-Cosma E. The pH influence on the water-splitting electrocatalytic activity of graphite electrodes modified with symmetrically substituted metalloporphyrins <i>Nanomaterials</i> 12, 3788, 2022	5.3	Q1
23	Fringu I., Lascu A.*, Macsim AM., Fratilescu I., Epuran C., Birdeanu M., Fagadar-Cosma E.* Pt(II)-A2B2 metalloporphyrin AuNPS hybrid material suitable for optical detection of 1-anthraquinonsulfonic acid <i>Chem. Pap.</i> 76, 2513-2527, 2022	2.2	Q3
24	Birdeanu M., Epuran C., Fratilescu I., Fagadar-Cosma E.* Structured composites between MnTa_2O_6 and porphyrins: influence of the number of carboxylic groups grafted on porphyrins on the capacity to inhibit corrosion of steel <i>Indian J. Chem. Technol.</i> 29, 354-366, 2022	0.5	Q4
25	Andelescu A.A., Ilies (b. Motoc) S., Cretu C., Popa E., Marinescu S., Heinrich B., Manea F.*, Negrea S., Donnio B., Szerb E.I.* Pentacoordinated liquid crystalline Zn(II) complex organized in smectic mesophase: synthesis, structural and electrochemical properties <i>Appl. Sci.</i> 12, 8306, 2022	2.7	Q2
26	Lo Celso F., Barone G., Maiuolo L.*, Algieri V., Cretu C., Calandra P.* Dissolution of nitrones in alkylphosphates: a structural study <i>J. Molec. Liq.</i> 367, 120517, 2022.	6.0	Q1
27	Motoc S., Manea F., Baci A., Vasilie S., Pop A., Highly sensitive and simultaneous electrochemical determinations of non-steroidal anti-inflammatory drugs in water using nanostructured carbon-based paste electrodes <i>Sci. Total Environ.</i> 846, 1-9, 2022.	9.8	Q1
28	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, 2022	3.8	Q2
29	Putz A.-M., Ivankov O.I., Kuklin A.I., Ryukhtin V., Ianăși C., Ciopec M., Negrea A., Trif L., Horváth Z.E., Almásy, L.* Ordered mesoporous silica prepared in different solvent conditions: application for Cu(II) and Pb(II) adsorption <i>Gels</i> 8, 443, 2022	4.6	Q1
30	Putz A.-M.*, Len A., Trif L., Horváth Z.E., Almásy, L.* Imidazolium ionic liquids as designer solvents confined in silica nanopores <i>Gels</i> 8, 388, 2022	4.6	Q1

31	Caputo P., Calandra P.*, Loise V., Le Pera A., Putz A.-M., Abe A.A., Madeo L., Teltayev B., Luprano M.L., Alfè M., Gargiulo V., Ruoppolo G., Oliviero Rossi C. When physical chemistry meets circular economy to solve environmental issues: how the ReScA project aims at using waste pyrolysis products to improve and rejuvenate bitumens <i>Sustainability</i> 14, 5790, 2022	3.9	Q2
32	Ianăși C., Picioruș E.M., Nicola R., Putz A.-M., Negrea A., Ciopec M., Len A., Almásy L. Synthesis and characterization of magnetic iron oxide - silica nanocomposites used for adsorptive recovery of palladium (II) <i>Soft Materials</i> 20(suppl 1), S68-S75, 2022	1.2	Q4
33	Merkulov D.S., Vlazan P., Poienar M., Bognár S., Ianasi C., Sfirloaga P.* Sustainable removal of 17α-ethynylestradiol from aqueous environment using rare earth doped lanthanum manganite nanomaterials <i>Catalysis Today</i> 424, 113746, 2022	5.3	Q1
34	Ciopec M., Grad O., Negrea A.*, Duteanu N.*, Negrea P., Voda R., Ianasi, C. Highly efficient recovery of ruthenium from aqueous solutions by adsorption using dibenzo-30-crown-10 doped chitosan <i>Polymers</i> 14, 1551, 2022	5.0	Q1
35	Matusoiu F., Negrea A.*, Ciopec M., Duteanu N., Negrea P., Svera P., Ianasi C.* Molybdate recovery by adsorption onto silica matrix and iron oxide based composites <i>Gels</i> 8, 125, 2022	4.6	Q1
36	Mladin G., Ciopec M.*, Negrea A., Duteanu N.*, Negrea P., Ianasi P., Ianasi C. Silica-iron oxide nanocomposite enhanced with porogen agent used for arsenic removal. <i>Materials</i> 15(15), 5366, 2022	3.4	Q2
37	Matusoiu F., Negrea A.*, Nemes N.S.*, Ianasi C., Ciopec M., Negrea P., Duteanu N., Ianasi P., Duda-Seiman D.*, Muntean D. Antimicrobial perspectives of active SiO₂Fe_xO_y/ZnO composites. <i>Pharmaceutics</i> 14(10), 2063, 2022	5.4	Q1
38	Ciocărlie L., Negrea A.*, Ciopec M., Duteanu N.*, Negrea P., Ianasi P., Ianasi C., Nemes N.S.*. Indium recovery by adsorption on MgFe₂O₄ Adsorbents. <i>Materials</i> 15(20), 7054, 2022	3.4	Q2
39	Verdeș O., Popa A.*, Borcănescu S., Suba M., Sasca V. Thermogravimetry applied for investigation of coke formation in ethanol conversion over heteropoly tungstate catalysts <i>Catalysts</i> 12, 1059, 2022	3.9	Q2
40	Suba M., Popa A.*, Verdeș O., Borcănescu S., Barvinschi P., Ni and Ce grafted ordered mesoporous silica KIT-6 for CO₂ adsorption <i>Catalysts</i> 12(11), 1339, 2022.	3.9	Q2
41	Nitu S., Milea M.S., Boran S., Mosoarca G., Zamfir A.D., Popa S., Funar-Timofei S. Experimental and computational study of novel pyrazole azo dyes as colored materials for light color paints.	3.4	Q2

	Materials, 15, 5507, 2022		
42	Nichita I., Visa A., Maranescu B., Lupa L., Popa A. Synthesis and characterization of modified chitosan with aminophosphonic groups and Zn(II) ions and assessment as potential antibacterial adsorbent Mater. Plast., 59(4), 125-134, 2022	0.8	Q4
43	Lascu A., Epuran C., Fratilescu I., Birdeanu M., Halip L., Fagadar-Cosma E. Porphyrin hetero-trimer involving a hydrophilic and a hydrophobic structure with application in the fluorescent detection of toluidine blue Chemosensors, 10, 481, 2022	4.2	Q2
44	Negrea S., Andelescu A.A., Ilies S., Cretu C., Cseh L., Rastei M., Donnio B., Szerb E.I., Manea, F. Design of nanostructured hybrid electrodes based on a liquid crystalline Zn(II) coordination complex-carbon nanotubes composition for the specific electrochemical sensing of uric acid Nanomaterials, 12(23), 4215, 2022	5.3	Q1
45	Matusoiu, F; Negrea, A; Ciopec, M; Duteanu, N; Negrea, P; Ianasi, P; Ianasi, C Vanadium (V) Adsorption from Aqueous Solutions Using Xerogel on the Basis of Silica and Iron Oxide Matrix Materials, 15, 5507, 2022	3.4	Q2
46	Crisan L., Borota A., Bora A., Suzuki T., Funar-Timofei S.* Application of molecular docking, homology modeling, and chemometric approaches to neonicotinoid toxicity against Aphis craccivora Mol. Inf. 40, 2100058, 2022	3.6	Q2
47	Mosoarca G., Vancea C., Popa S., Boran S., Radulescu-Grad M.E., Crystal violet removal from aqueous solutions using dry bean pods husks powder - optimization and desorption studies Ovidius Univ. Ann. Chem., 33(2), 129134, 2022.	0.9	NA
48 Scopus	Motoc S., Manea F., Baci A., Orha C., Pop A. Electrochemical method for ease determination of sodium diclofenac trace levels in water using graphene-multi-walled carbon nanotubes paste electrode. IJERPH 19(1), 1-16, 2022	NA	NA
49 Alte baze	Ricciardi L.*, Chatterjee S., Palermo G., Szerb E.I., Sanna A., Palermo F., Pieroni N., Fratini M., Bartolino R., Cedola A., La Deda M., Strangi G.* Hybrid nanoparticles as theranostics platforms for glioblastoma treatment: phototherapeutic and X-ray phase contrast tomography investigations. J. Nanotheranostics 3, 1-17, 2022.	NA	NA
TOTAL		311.9	Q1=21 Q2=19 Q3=1 Q4=5 NA=3