Lista lucrari 2020

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2.	Epoxy coatings based on modified vegetable oils for wood surface protection against fungal degradation	L. Rosu, C. D. Varganici, F. Mustata, D. Rosu, I. Rosca, T. Rusu	ACS Applied Materials and Interfaces, 12, 14443-14458 (2020)
3.	Electrically driven artificial muscles using novel polysiloxane elastomers modified with nitroaniline push-pull moieties	E. Perju, S. Shova, D. M. Opris	ACS Applied Materials and Interfaces, 12, 23432-23442 (2020)
4.	Removal and separation of heavy metal ions from multicomponent simulated waters using silica/polyethyleneimine composite microparticles	F. Bucatariu, C. A. Ghiorghita, M. M. Zaharia, S. Schwarz, F. Simon, M. Mihai	ACS Applied Materials and Interfaces, 12, 37585-37596 (2020)
5.	A 2D coordination polymer assembled from a nickel (II) tetraazamacrocyclic cation and 4,4'-(dimethylsilanediyl)diphthalate(3-) linker	S. P. Gavrish, S. Shova, M. Cazacu, Y. D. Lampeka	Acta Crystallographica Section C: Structural Chemistry, 76 (Part 3), 419-426 (2020)
6.	Syntheses and crystal structures of the one-dimensional coordination polymers formed by [Ni(cyclam)]2+ cations and 1,3-bis(3-carboxypropyl)tetramethyldisiloxane anions in different degrees of deprotonation	S. P. Gavrish, S. Shova, M. Cazacu, M. Dascalu, Y. D. Lampeka	Acta Crystallographica Section E: Crystallographic Communications, 76(Part 3), 446-451 (2020)
7.	Crystal structure of bis {μ-2-[bis(2-hydroxymethyl)amino]ethanolato}bis(μ-3,5-dimethylpyrazolato)tricopper(II) dibromide sesquihydrate	O. S. Vynohradov, V. A. Pavlenko, D. D. Naumova, S. V. Partsveska, S. Shova, S. M. Safamamadov	Acta Crystallographica Section E: Crystallographic Communications, 76, 1641-1644 (2020)
8.	Crystal structure of {N1, N3 -bis[(1-benzyl-1H-1,2,3-triazol-4-yl)methylidene]-2,2-dimethylpropane-1,3-diamine}bis(thiocyanato-kN)iron(II)	K. Znovjyak, M. Seredyuk, S. O. Malinkin, S. Shova, L. Soliev	Acta Crystallographica Section E: Crystallographic Communications, 76, 1661-1664 (2020)
9.	Crystal structure of the one-dimensional coordination polymer formed by the macrocyclic [Ni(cyclam)]2+ cation and the dianion of diphenylsilanediylbis(4-benzoic acid)	S. P. Gavrish, S. Shova, M. Cazacu, Y. D. Lampeka	Acta Crystallographica Section E: Crystallographic Communications, 76, 929-932 (2020)
10.	Crystal structure of catena-poly[[[diaqua[1,2-bis(pyridin-4-yl)ethene]{4-[2-(pyridin-4-yl)ethen-yl]pyridinium}gold(I)iron(II)]-di-μ-cyanido] bis[dicyanidogold(I)] 1,2-bis(pyridin-4-yl)ethene dihydrate]	S. V. Partsevska, D. D. Naumova, I. P. Matushko, I. A. Guralskiy	Acta Crystallographica Section E: Crystallographic Communications, 76, 944-947 (2020)
11.	Crystal structure of dichlorido-1kCl, 2kCl-(μ2-3,5-dimethyl-1H-pyrazolato-	O. S. Vynohradov, V. A. Pavlenko, I. S.	Acta Crystallographica, Section E: Crystallographic

	1kN2:2kN1)(3,5-dimethyl-1H-pyrazole-2kN2){ -2-[2-hydroxyethyl)amino-1k2N,O] ethanolato-1:2k2O:O}dicopper(II)	Safyanova, K. Znovjyak, S. Shova, S. M. Safarmamadov	Communications, 76, 1503-1507 (2020)
12.	Coordination compounds with siloxane/silane-containing ligands capable of self-assembly at nano/micro scale in solid state and in solution	M. F. Zaltariov, M. Cazacu	Advances in Inorganic Chemistry, 76(Nanoscale Coordination Chemistry), D. Ruiz Molina, R. van Eldik, Eds., Academic Press, London, 155-196 (2020)
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14.	Evaluation of the antifungal activity of gold-chitosan and carbon nanoparticles on Fusarium oxysporum	F. D. Lipsa, E. L. Ursu, C. Ursu, S. Ulea, A. Cazacu	Agronomy, 10, Article 1143/1-11 (2020)
15.	H/D isotope effect observed in the isotropic Fermi contact interaction of formyl radical: Experimental and theoretical analysis of the inter- and intra-molecular dynamics	Y. A. Dimitriev, A. Laaksonen, N. P. Benetis	AIP Advances, 10, Article 125309/1-16 (2020)
16.	Three reactions, one catalyst: A multi-purpose platinum(IV) complex and its silica-supported homologue for environmentally friendly processes	C. Racles, M. F. Zaltariov, M. Damoc, A. M. Macsim, M. Iacob, L. Sacarescu	Applied Organometallic Chemistry, 34, e5422/1-15 (2020)
17.	Synthesis, characterization, crystal structure and toxicity evaluation of Co (II), Cu (II), Mn (II), Ni (II), Pd (II) and Pt (II) complexes with Schiff base derived from 2-chloro-5-(trifluoromethyl)aniline	G. Lupascu, E. Pahontu, S. Shova, S. F. Barbuceanu, D. C. Ilies, M. Badea, C. Paraschivescu, C. Ducu, J. Neamtu, M. Dinu, R. V. Ancuceanu, D. Draganescu, C. E. Dinu-Pirvu	Applied Organometallic Chemistry, 34, e5931/1-13 (2020)
18.	Permethylated dinuclear Mn (III) coordination nanostructure with stripe-ordered magnetic domains	S. Shova, V. Tiron, A. Vlad, G. Novitchi, D. G. Dumitrescu, M. Damoc, M. F. Zaltariov, M. Cazacu	Applied Organometallic Chemistry, 34, e5957/1-11 (2020)
19.	New ecological solutions involved in the cleaning of a 19th century icon	T. C. Iurcovschi, V. Vasilache, I. Sandu, M. Zaharia, O. Pintilie, A. V. Sandu	Applied Sciences, 10, Article 1175/1-12 (2020)
20.	Photopolymerized films with ZnO and doped ZnO particles used as efficient photocatalysts in Malachite green dye decomposition	V. E. Podasca, M. D. Damaceanu	Applied Sciences, 10, Article 1954/1-16 (2020)
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24.	Curing and thermal degradation of diglycidyl ether of bisphenol A epoxy resin crosslinked with natural hydroxy acids as environmentally friendly hardners	N. Tudorachi, F. Mustata	Arabian Journal of Chemistry, 13, 671-682 (2020)
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