

Andrii A Fedorchuk

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Crystal structure and NLO properties of the novel tetranuclear copper(I) chloride π -complex with 3-allyl-2-(allylimino)-1,3-thiazolidin-4-one. <i>Journal of Molecular Structure</i> , 2018, 1171, 644-649.	3.6	23
2	A novel copper(I) sulfamate π -complex based on the 5-(allylthio)-1-(3,5-dimethylphenyl)-1H-tetrazole ligand: Alternating-current electrochemical crystallization, DFT calculations, structural and NLO properties studies. <i>Polyhedron</i> , 2018, 147, 86-93.	2.2	20
3	Synthesis and nonlinear optical properties of novel conjugated small molecules based on indole donor. <i>Journal of Molecular Structure</i> , 2018, 1165, 223-227.	3.6	19
4	Modification of indole by electron-rich atoms and their application in novel electron donor materials. <i>Chemical Physics Letters</i> , 2017, 681, 105-109.	2.6	15
5	Synthesis, structural and NLO properties of the novel copper(I) p-toluenesulfonate π -complex with 1-allyloxybenzotriazole. <i>Chemical Physics Letters</i> , 2018, 694, 112-119.	2.6	12
6	Novel poly(aryl ether ketone) with electro-optic chromophore side chains for light modulators. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 18568-18577.	2.2	11
7	The novel copper(I) π -complexes with 1-(aryl)-5-(allylthio)-1 <i>H</i> -tetrazoles: Synthesis, structure characterization, DFT-calculation and third-order nonlinear optics. <i>Journal of Coordination Chemistry</i> , 2019, 72, 1049-1063.	2.2	11
8	Nanostructured Silica with Anchoring Units: The 2D Solid Solvent for Molecules and Metal Ions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8137.	4.1	10
9	Design and preparation of novel Diels-Alder crosslinking polymer and its application in NLO materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 8480-8486.	2.2	8
10	Optically operated second order optical effects in some substituted 4-(5-nitro-1,3-benzoxazol-2-yl)aniline chromophores. <i>Dyes and Pigments</i> , 2017, 141, 333-341.	3.7	8
11	Design and preparation of novel polyarylene ether materials based on Diels-Alder reaction as the crosslinker for electrooptical modulators. <i>Optical Materials</i> , 2016, 57, 63-70.	3.6	7
12	Copper(I) π -coordination compounds with allyl derivatives of disubstituted pseudothiohydantoin: synthesis, structure investigation and nonlinear optical features. <i>Journal of Coordination Chemistry</i> , 2019, 72, 3222-3236.	2.2	7
13	Facile preparation of crosslinkable organic EO polymers based on AZO nonlinear optical chromophore: great indemnification for long term of stability. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 4931-4940.	2.2	6
14	Synthesis and features of nonlinear optical switches based on dithienylethene unit. <i>Tetrahedron Letters</i> , 2018, 59, 3448-3452.	1.4	6
15	Unexpected complexation of allylpseudothiohydantoin hydrochlorides towards CuX ($X = Cl, NO_3, ClO_4, BF_4, 1/2SiF_6$). The first known examples of joint $Cu^I(Cl, ClO_4)$ and $Cu^I(BF_4)$ π -complexes. <i>Journal of Coordination Chemistry</i> , 2017, 70, 871-884.	2.2	5
16	Synthesis, ellipsometry and non-linear optical features of substituted 1,3,5-triphenylpyrazolines. <i>Dyes and Pigments</i> , 2019, 162, 741-745.	3.7	5
17	An unusual diverse coordination of silver(I) with N-allylthiohydantoin ligand in the presence of benzene- and p-toluenesulfonate anions. <i>Inorganica Chimica Acta</i> , 2019, 484, 79-86.	2.4	4
18	Synthesis of Vertically Aligned Porous Silica Thin Films Functionalized by Silver Ions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7505.	4.1	4

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19	Crystal structure, DFT-study and NLO properties of the novel copper(I) nitrate π - π -coordination compound based on 1-allyl-3-norbornan-thiourea. <i>Polyhedron</i> , 2022, 211, 115545.	2.2	4
20	Laser-induced linear and non-linear optical features in novel benzoxazole-based on donor-acceptor chromophores. <i>Journal of Molecular Structure</i> , 2018, 1173, 531-540.	3.6	2
21	Crystal structure peculiarities of silver (I) p-toluenesulphonate complex with 3-allyl-2-sulfanylideneimidazolidin-4-one of $[\text{Ag}_2(\text{L})_4(\text{CH}_3\text{C}_6\text{H}_4\text{SO}_3)_2]$ composition. <i>Visnyk of the Lviv University Series Chemistry</i> , 2018, 59, 140.	0.1	1
22	Synthesis and crystal structure of Ag(I) p-toluenesulphonate complex with 5-methyl-3-allyl-2-thiohydantoin. <i>Voprosy Khimii i Khimicheskoi Tekhnologii</i> , 2019, , 172-178.	0.4	0