

Alexander S Sukhikh

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis, crystal structures, and properties of new acentric glaserite-related compounds $Rb_7Ag_5\hat{=}3Sc_2+(XO_4)_9$ ($X = Mo, W$). <i>Journal of Solid State Chemistry</i> , 2022, 305, 122638.	2.9	5
2	The Theoretical and Experimental Investigation of the Fluorinated Palladium $\hat{=}^2$ -Diketonate Derivatives: Structure and Physicochemical Properties. <i>Molecules</i> , 2022, 27, 2207.	3.8	0
3	Halogen-substituted zinc(II) phthalocyanines: Spectral properties and structure of thin films. <i>Thin Solid Films</i> , 2022, 754, 139301.	1.8	4
4	Structure and EPR investigation of Cu(II) bifluoride complexes with zwitterionic N-hydroxyimidazole ligands. <i>Inorganica Chimica Acta</i> , 2021, 517, 120187.	2.4	6
5	Heterostructures based on Pd $\hat{=}$ Au nanoparticles and cobalt phthalocyanine for hydrogen chemiresistive sensors. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 19682-19692.	7.1	12
6	Effect of the position of fluorine substituents in tetrasubstituted metal phthalocyanines on their vibrational spectra. <i>Journal of Fluorine Chemistry</i> , 2021, 246, 109780.	1.7	12
7	Fluorination vs. Chlorination: Effect on the Sensor Response of Tetrasubstituted Zinc Phthalocyanine Films to Ammonia. <i>Chemosensors</i> , 2021, 9, 137.	3.6	16
8	Selection of alkali polymolybdates as fluxes for crystallization of double molybdates of alkali metals, zirconium or hafnium, revisited crystal structures of $K_2Mo_2O_7$, $K_2Mo_3O_{10}$, $Rb_2Mo_3O_{10}$ and ionic conductivity of $A_2Mo_2O_7$ and $A_2Mo_3O_{10}$ ($A = K, Rb, Cs$). <i>Journal of Physics and Chemistry of Solids</i> , 2021, 154, 110054.	4.0	3
9	Effect of non-peripheral fluorosubstitution on the structure of metal phthalocyanines and their films. <i>Dyes and Pigments</i> , 2021, 192, 109442.	3.7	8
10	Fine-Tuning Window Apertures in ZIF-8/67 Frameworks by Metal Ions and Temperature for High-Efficiency Molecular Sieving of Xylenes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 40830-40836.	8.0	28
11	$[NiEn_3](MoO_4)_{0.5}(WO_4)_{0.5}$ Co-Crystals as Single-Source Precursors for Ternary Refractory Ni $\hat{=}$ Mo $\hat{=}$ W Alloys. <i>Nanomaterials</i> , 2021, 11, 3272.	4.1	6
12	Fluorosubstituted lead phthalocyanines: Crystal structure, spectral and sensing properties. <i>Dyes and Pigments</i> , 2020, 173, 107939.	3.7	22
13	$[CuEn_3]MoO_4$: Synthesis, Structure, Jahn-Teller Effect, Transformations in the Range 100 $\hat{=}$ 1263 K. <i>Journal of Structural Chemistry</i> , 2020, 61, 267-273.	1.0	3
14	The impact of counterion on the metastable state properties of nitrosyl ruthenium complexes. <i>New Journal of Chemistry</i> , 2020, 44, 18014-18024.	2.8	12
15	Role of Bridging Na^+ Cations in the Packing of $Na_2[Pd(NH_3)_4]_5(W_7O_{24})_2\hat{\cdot}16H_2O$ and $Na[Pd(NH_3)_4]_2(HW_7O_{24})\hat{\cdot}7H_2O$ Structures. <i>Journal of Structural Chemistry</i> , 2020, 61, 293-298.	1.0	2
16	Face-Centered Cubic Refractory Alloys Prepared from Single-Source Precursors. <i>Materials</i> , 2020, 13, 1418.	2.9	4
17	Synthesis and Crystal Chemistry of Octahedral Rhodium(III) Chloroamines. <i>Molecules</i> , 2020, 25, 768.	3.8	4
18	Tetrafluorosubstituted Metal Phthalocyanines: Interplay between Saturated Vapor Pressure and Crystal Structure. <i>Crystal Growth and Design</i> , 2020, 20, 1016-1024.	3.0	12

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19	Chlorosubstituted Copper Phthalocyanines: Spectral Study and Structure of Thin Films. <i>Molecules</i> , 2020, 25, 1620.	3.8	8
20	Vanadyl Phthalocyanine Films and Their Hybrid Structures with Pd Nanoparticles: Structure and Sensing Properties. <i>Sensors</i> , 2020, 20, 1893.	3.8	18
21	Synthesis, structural, vibrational and DFT investigation of new binuclear molecular Pd ^{II} -Cu and Cu ^{II} -Cu complexes formed by Schiff base and hexafluoroacetylacetonate building blocks. <i>Journal of Molecular Structure</i> , 2020, 1216, 128341.	3.6	3
22	X-Ray Diffraction Study of Crystal Structure and Thin Films of Chromium(II) Phthalocyaninate. <i>Macrocyclics</i> , 2020, 13, 13-18.	0.5	0
23	[NiEn ₃]MoO ₄ : Features of the Phase Transition and Thermal Decomposition in the Presence of Lithium Hydride. <i>Journal of Structural Chemistry</i> , 2019, 60, 780-788.	1.0	6
24	First titanium square fragment {Ti ₄ (^{1/4} Se)(^{1/2} Se ₂) ₄ } in its selenoiodide: Synthesis and structure of Ti ₄ Se ₉ I ₆ . <i>Inorganica Chimica Acta</i> , 2019, 488, 285-291.	2.4	4
25	Effect of fluorosubstitution and central metals on the molecular structure and vibrational spectra of metal phthalocyanines. <i>Journal of Molecular Structure</i> , 2019, 1189, 73-80.	3.6	23
26	Unique Nanomechanical Properties of Diamond-Lonsdaleite Biphases: Combined Experimental and Theoretical Consideration of Popigai Impact Diamonds. <i>Nano Letters</i> , 2019, 19, 1570-1576.	9.1	16
27	Formation of two crystal modifications of Fe ₇ C ₃ at 5.5 GPa. <i>Journal of Applied Crystallography</i> , 2019, 52, 1378-1384.	4.5	7
28	Structural Transformations of [CuEn ₃]WO ₄ Complex Salt in the Range 100-390 K and Its Degradation to [CuEn ₂](WO ₄)·2H ₂ O. <i>Journal of Structural Chemistry</i> , 2019, 60, 1790-1798.	1.0	1
29	Effect of fluorosubstitution on the structure of single crystals, thin films and spectral properties of palladium phthalocyanines. <i>Dyes and Pigments</i> , 2018, 149, 348-355.	3.7	23
30	1,3,7,9-Tetraazaperylene frameworks: Synthesis, photoluminescence properties, and thin film morphology. <i>Dyes and Pigments</i> , 2018, 150, 252-260.	3.7	1
31	[NiEn ₃]WO ₄ . Crystal Structural Features Of The Phase Transition At 269 K. <i>Journal of Structural Chemistry</i> , 2018, 59, 1897-1902.	1.0	6
32	Jahn-Teller Effect in the [CuEn ₃]CrO ₄ Structure. <i>Journal of Structural Chemistry</i> , 2018, 59, 657-663.	1.0	5
33	Fluorinated Metal Phthalocyanines: Interplay between Fluorination Degree, Films Orientation, and Ammonia Sensing Properties. <i>Sensors</i> , 2018, 18, 2141.	3.8	48
34	Structure of A Coordination Polymer [Cu(En) ₂ CrO ₄] _n . <i>Journal of Structural Chemistry</i> , 2018, 59, 395-397.	1.0	6
35	Influence of Fluorosubstitution on the Structure of Zinc Phthalocyanine Thin Films. <i>Macrocyclics</i> , 2018, 11, 304-311.	0.5	20
36	First hexagonal close packed high-entropy alloy with outstanding stability under extreme conditions and electrocatalytic activity for methanol oxidation. <i>Scripta Materialia</i> , 2017, 138, 22-27.	5.2	174

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37	Thin Films of Unsubstituted and Fluorinated Palladium Phthalocyanines: Structure and Sensor Response toward Ammonia and Hydrogen. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1200-1209.	3.1	38
38	The use of 2D diffractometry data for oriented samples in the choice of a unit cell. <i>Journal of Structural Chemistry</i> , 2017, 58, 953-963.	1.0	5
39	Ir-Re binary alloys under extreme conditions and their electrocatalytic activity in methanol oxidation. <i>Acta Materialia</i> , 2017, 139, 236-243.	7.9	13
40	A study of the structural features and sensor properties of zinc 2,9,16,23-tetra-tert-butylphthalocyanine films. <i>Journal of Structural Chemistry</i> , 2017, 58, 1039-1047.	1.0	4
41	Development of a procedure of X-ray study of thin layers by the example of cobalt phthalocyanine. <i>Journal of Structural Chemistry</i> , 2016, 57, 618-621.	1.0	7
42	Thin films of tetrafluorosubstituted cobalt phthalocyanine: Structure and sensor properties. <i>Applied Surface Science</i> , 2016, 372, 79-86.	6.1	62
43	Thin Layers XRD Study Technique on an Example of Cobalt Tetrafluoro Phthalocyanine. <i>Acta Physica Polonica A</i> , 2016, 130, 889-891.	0.5	3