Alexander S Sukhikh

List of Publications by Year
in descending order

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43 papers	660 citations	687363 13 h-index	610901 24 g-index
43 all docs	43 docs citations	43 times ranked	676 citing authors

#	Article	IF	Citations
1	First hexagonal close packed high-entropy alloy with outstanding stability under extreme conditions and electrocatalytic activity for methanol oxidation. Scripta Materialia, 2017, 138, 22-27.	5.2	174
2	Thin films of tetrafluorosubstituted cobalt phthalocyanine: Structure and sensor properties. Applied Surface Science, 2016, 372, 79-86.	6.1	62
3	Fluorinated Metal Phthalocyanines: Interplay between Fluorination Degree, Films Orientation, and Ammonia Sensing Properties. Sensors, 2018, 18, 2141.	3.8	48
4	Thin Films of Unsubstituted and Fluorinated Palladium Phthalocyanines: Structure and Sensor Response toward Ammonia and Hydrogen. Journal of Physical Chemistry C, 2017, 121, 1200-1209.	3.1	38
5	Fine-Tuning Window Apertures in ZIF-8/67 Frameworks by Metal Ions and Temperature for High-Efficiency Molecular Sieving of Xylenes. ACS Applied Materials & Interfaces, 2021, 13, 40830-40836.	8.0	28
6	Effect of fluorosubstitution on the structure of single crystals, thin films and spectral properties of palladium phthalocyanines. Dyes and Pigments, 2018, 149, 348-355.	3.7	23
7	Effect of fluorosubstitution and central metals on the molecular structure and vibrational spectra of metal phthalocyanines. Journal of Molecular Structure, 2019, 1189, 73-80.	3.6	23
8	Fluorosubstituted lead phthalocyanines: Crystal structure, spectral and sensing properties. Dyes and Pigments, 2020, 173, 107939.	3.7	22
9	Influence of Fluorosubstitution on the Structure of Zinc Phthalocyanine Thin Films. Macroheterocycles, 2018, 11, 304-311.	0.5	20
10	Vanadyl Phthalocyanine Films and Their Hybrid Structures with Pd Nanoparticles: Structure and Sensing Properties. Sensors, 2020, 20, 1893.	3.8	18
11	Unique Nanomechanical Properties of Diamondâ€“Lonsdaleite Biphases: Combined Experimental and Theoretical Consideration of Popigai Impact Diamonds. Nano Letters, 2019, 19, 1570-1576.	9.1	16
12	Fluorination vs. Chlorination: Effect on the Sensor Response of Tetrasubstituted Zinc Phthalocyanine Films to Ammonia. Chemosensors, 2021, 9, 137.	3.6	16
13	Irâ€“Re binary alloys under extreme conditions and their electrocatalytic activity in methanol oxidation. Acta Materialia, 2017, 139, 236-243.	7.9	13
14	The impact of counterion on the metastable state properties of nitrosyl ruthenium complexes. New Journal of Chemistry, 2020, 44, 18014-18024.	2.8	12
15	Tetrafluorosubstituted Metal Phthalocyanines: Interplay between Saturated Vapor Pressure and Crystal Structure. Crystal Growth and Design, 2020, 20, 1016-1024.	3.0	12
16	Heterostructures based on Pdâ€“Au nanoparticles and cobalt phthalocyanine for hydrogen chemiresistive sensors. International Journal of Hydrogen Energy, 2021, 46, 19682-19692.	7.1	12
17	Effect of the position of fluorine substituents in tetrasubstituted metal phthalocyanines on their vibrational spectra. Journal of Fluorine Chemistry, 2021, 246, 109780.	1.7	12
18	Chlorosubstituted Copper Phthalocyanines: Spectral Study and Structure of Thin Films. Molecules, 2020, 25, 1620.	3.8	8

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19	Effect of non-peripheral fluorosubstitution on the structure of metal phthalocyanines and their films. Dyes and Pigments, 2021, 192, 109442.	3.7	8
20	Development of a procedure of X-ray study of thin layers by the example of cobalt phthalocyanine. Journal of Structural Chemistry, 2016, 57, 618-621.	1.0	7
21	Formation of two crystal modifications of Fe₇C_{3â^'x} at 5.5â€...GPa. Journal of Applied Crystallography, 2019, 52, 1378-1384.	4.5	7
22	[NiEn3]WO4. Crystal Structural Features Of The Phase Transition At 269 K. Journal of Structural Chemistry, 2018, 59, 1897-1902.	1.0	6
23	Structure of A Coordination Polymer [Cu(En)2CrO4]n. Journal of Structural Chemistry, 2018, 59, 395-397.	1.0	6
24	[NiEn3]MoO4: Features of the Phase Transition and Thermal Decomposition in the Presence of Lithium Hydride. Journal of Structural Chemistry, 2019, 60, 780-788.	1.0	6
25	Structure and EPR investigation of Cu(II) bifluoride complexes with zwitterionic N-hydroxyimidazole ligands. Inorganica Chimica Acta, 2021, 517, 120187.	2.4	6
26	[NiEn3](MoO4)0.5(WO4)0.5 Co-Crystals as Single-Source Precursors for Ternary Refractory Niâ€“Moâ€“W Alloys. Nanomaterials, 2021, 11, 3272.	4.1	6
27	The use of 2D diffractometry data for oriented samples in the choice of a unit cell. Journal of Structural Chemistry, 2017, 58, 953-963.	1.0	5
28	Jahnâ€“Teller Effect in the [CuEn3]CrO4 Structure. Journal of Structural Chemistry, 2018, 59, 657-663.	1.0	5
29	Synthesis, crystal structures, and properties of new acentric glaserite-related compounds Rb7Ag5â€“3Sc2+(XO4)9 (X = Mo, W). Journal of Solid State Chemistry, 2022, 305, 122638.	2.9	5
30	A study of the structural features and sensor properties of zinc 2,9,16,23-tetra-tert-butylphthalocyanine films. Journal of Structural Chemistry, 2017, 58, 1039-1047.	1.0	4
31	First titanium square fragment {Ti4(Î¼4-Se)(Î¼2-Se2)4} in its selenoiodide: Synthesis and structure of Ti4Se9I6. Inorganica Chimica Acta, 2019, 488, 285-291.	2.4	4
32	Face-Centered Cubic Refractory Alloys Prepared from Single-Source Precursors. Materials, 2020, 13, 1418.	2.9	4
33	Synthesis and Crystal Chemistry of Octahedral Rhodium(III) Chloroamines. Molecules, 2020, 25, 768.	3.8	4
34	Halogen-substituted zinc(II) phthalocyanines: Spectral properties and structure of thin films. Thin Solid Films, 2022, 754, 139301.	1.8	4
35	[CuEn3]MoO4: Synthesis, Structure, Jahn-Teller Effect, Transformations in the Range 100â€“1263 K. Journal of Structural Chemistry, 2020, 61, 267-273.	1.0	3
36	Selection of alkali polymolybdates as fluxes for crystallization of double molybdates of alkali metals, zirconium or hafnium, revisited crystal structures of K2Mo2O7, K2Mo3O10, Rb2Mo3O10 and ionic conductivity of A2Mo2O7 and A2Mo3O10 (A = K, Rb, Cs). Journal of Physics and Chemistry of Solids, 2021, 154, 110054.	4.0	3

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37	Synthesis, structural, vibrational and DFT investigation of new binuclear molecular Pdâ€“Cu and Cuâ€“Cu complexes formed by Schiff base and hexafluoroacetylacetonate building blocks. Journal of Molecular Structure, 2020, 1216, 128341.	3.6	3
38	Thin Layers XRD Study Technique on an Example of Cobalt Tetrafluoro Phthalocyanine. Acta Physica Polonica A, 2016, 130, 889-891.	0.5	3
39	Role of Bridging Na+ Cations in the Packing of Na2[Pd(NH3)4]5(W7O24)2Â·16H2O and Na[Pd(NH3)4]2(HW7O24)Â·7H2O Structures. Journal of Structural Chemistry, 2020, 61, 293-298.	1.0	2
40	1,3,7,9-Tetraazaperylene frameworks: Synthesis, photoluminescence properties, and thin film morphology. Dyes and Pigments, 2018, 150, 252-260.	3.7	1
41	Structural Transformations of [CuEn3]WO4 Complex Salt in the Range 100â€“390 K and Its Degradation to [CuEn2](WO4)Â·2H2O. Journal of Structural Chemistry, 2019, 60, 1790-1798.	1.0	1
42	X-Ray Diffraction Study of Crystal Structure and Thin Films of Chromium(II) Phthalocyaninate. Macroheterocycles, 2020, 13, 13-18.	0.5	0
43	The Theoretical and Experimental Investigation of the Fluorinated Palladium Î²-Diketonate Derivatives: Structure and Physicochemical Properties. Molecules, 2022, 27, 2207.	3.8	0