

# Sofya B Artemkina

## List of Publications by Year in descending order

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Synthesis and Structure of Quasi-One-Dimensional Niobium Tetrasulfide NbS <sub>4</sub> . Inorganic Chemistry, 2022, 61, 2783-2789.	4.0	5
2	Growth Mechanism of Periodic-Structured MoS <sub>2</sub> by Transmission Electron Microscopy. Nanomaterials, 2022, 12, 135.	4.1	24
3	Optical and Material Characteristics of MoS <sub>2</sub> /Cu <sub>2</sub> O Sensor for Detection of Lung Cancer Cell Types in Hydroplegia. International Journal of Molecular Sciences, 2022, 23, 4745.	4.1	33
4	Thermal and kinetic studies of sulfur-rich molybdenum and tungsten polysulfides. Journal of Alloys and Compounds, 2021, 851, 156705.	5.5	6
5	Characteristics of P-Type and N-Type Photoelectrochemical Biosensors: A Case Study for Esophageal Cancer Detection. Nanomaterials, 2021, 11, 1065.	4.1	5
6	New O-centered titanium chalcogenide: synthesis and structure of Ti <sub>4</sub> O(Se <sub>2</sub> ) <sub>4</sub> Br <sub>6</sub> . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1729-1734.	1.2	3
7	Vanadium O-Centered Seleniodide Complex: Synthesis and Structure of V <sub>4</sub> O(Se <sub>2</sub> ) <sub>4</sub> I <sub>6</sub> . Inorganic Chemistry, 2021, 60, 17627-17634.	4.0	3
8	Amorphous pentasulfides MS <sub>5</sub> (M=Mo, W) in reactions with thiuram disulfide and halogens. Inorganica Chimica Acta, 2020, 512, 119875.	2.4	2
9	Intelligent Identification of MoS <sub>2</sub> Nanostructures with Hyperspectral Imaging by 3D-CNN. Nanomaterials, 2020, 10, 1161.	4.1	13
10	Improved thermoelectric properties of layered Ti <sub>1-x</sub> Nb <sub>x</sub> S <sub>2-y</sub> Se <sub>y</sub> solid solutions. Journal of the American Ceramic Society, 2020, 103, 6289-6297.	3.8	3
11	Spectral Manifestations of Nonlinear Resonant Wave Interactions in the Vibrational Spectra of Transition Metal Dichalcogenides. Springer Proceedings in Physics, 2020, , 337-361.	0.2	0
12	ZrS <sub>3</sub> : From crystalline samples to colloid dispersions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 579, 123667.	4.7	9
13	Revealing the Flexible 1D Primary and Globular Secondary Structures of Sulfur-Rich Amorphous Transition Metal Polysulfides. ChemNanoMat, 2019, 5, 1488-1497.	2.8	6
14	First titanium square fragment {Ti <sub>4</sub> ( <sup>1</sup> / <sub>4</sub> Se)( <sup>1</sup> / <sub>2</sub> Se <sub>2</sub> ) <sub>4</sub> } in its seleniodide: Synthesis and structure of Ti <sub>4</sub> Se <sub>9</sub> I <sub>6</sub> . Inorganica Chimica Acta, 2019, 488, 285-291.	2.4	4
15	Photodecoloration of Methyl Orange Solution Assisted by ZrS <sub>3</sub> Powders. Advances in Science, Technology and Engineering Systems, 2019, 4, 165-170.	0.5	4
16	Metal free MoS <sub>2</sub> 2D sheets as a peroxidase enzyme and visible-light-induced photocatalyst towards detection and reduction of Cr(VI) ions. New Journal of Chemistry, 2018, 42, 16919-16929.	2.8	32
17	Metal-metal bond excitation in colloidal solution of NbS <sub>3</sub> . Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 179, 46-50.	3.9	4
18	Development of novel efficient 2D nanocomposite catalyst towards the three-component coupling reaction for the synthesis of imidazo[1,2-a]pyridines. Applied Catalysis A: General, 2017, 542, 368-379.	4.3	16

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19	Oxidizing Properties of the Polysulfide Surfaces of Patronite $VS_4$ and $NbS_3$ Induced by $(S_2)^{2+}$ Groups: Unusual Formation of $Ag_2S$ Nanoparticles. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700999.	3.7	19
20	Anionic Redox Chemistry in Polysulfide Electrode Materials for Rechargeable Batteries. <i>ChemSusChem</i> , 2017, 10, 4805-4811.	6.8	56
21	Gold nanoparticles deposited on the surface of low-dimensional niobium trisulfide and vanadium tetrasulfide. <i>Materials Today: Proceedings</i> , 2017, 4, 11411-11417.	1.8	3
22	Film $Mo_{0.95}Re_{0.05}S_2$ as a strain-sensing element. <i>Sensors and Actuators A: Physical</i> , 2015, 226, 5-10.	4.1	9
23	Structure of a new binuclear complex of tungsten $[W_2S_4Cl_2(dppe)_2] \cdot 2CH_3CN$ . <i>Journal of Structural Chemistry</i> , 2015, 56, 121-125.	1.0	0
24	Colloidal solutions of niobium trisulfide and niobium triselenide. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5479-5486.	5.5	34
25	Preparation and characterization of colloidal dispersions of layered niobium chalcogenides. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 461, 30-39.	4.7	26
26	Crystal structure and magnetic properties of a $Cs_3Nb_2I_9$ biocuboctahedral complex. <i>Journal of Structural Chemistry</i> , 2013, 54, 443-445.	1.0	5
27	Synthesis and crystal structure of $Mo_6\hat{a}^x Nb_x I_{11}$ ( $x = 1 \hat{a}^{\epsilon} 1.5$ ). <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2013, 39, 1-5.	1.0	2
28	Heterometallic clusters with the $\{MoNbI_8\}$ core: The synthesis and crystal structures of $(Ph_4P)_2[Mo_5NbI_8Cl_6]$ and $(4-MePyH)_5[Mo_5NbI_8Cl_6]Cl_2$ . <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2012, 38, 257-263.	1.0	4
29	A new square niobium cluster $\{Nb_4(\hat{1}/4-O)I_8\}^{2+}$ . Crystal structure of a $[Nb_4OI_8][Mo_6I_{14}]2\hat{a}^z$ polymer. <i>Journal of Structural Chemistry</i> , 2011, 52, 389-394.	1.0	1
30	Electroneutral coordination frameworks based on octahedral $[Re_6(\hat{1}/43-Q)_8(CN)_6]4\hat{a}^+$ complexes ( $Q = S, I$ ). <i>Journal of Inorganic Chemistry</i> , 2007, 33, 867-875.	1.0	9
31	3D-Coordination Cluster Polymers $[Ln(H_2O)_3Re_6Te_8(CN)_6] \cdot nH_2O$ ( $Ln = La^{3+}, Nd^{3+}$ ): Direct Structural Analogy with the Mononuclear $LnM(CN)_6 \cdot nH_2O$ Family. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 142-146.	2.0	39
32	New Layered Polymer $[Mn(H_2O)_3]_2[Re_6Se_8(CN)_6] \cdot 3.3H_2O$ : Synthesis and Properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2004, 30, 792-799.	1.0	5
33	A family of three-dimensional porous coordination polymers with general formula $(Kat)_2[M(H_2O)_n]_3[Re_6Q_8(CN)_6]_2 \cdot xH_2O$ ( $Q = S, Se; n = 1.5, 2$ ). <i>Journal of Solid State Chemistry</i> , 2004, 177, 1896-1904.	2.9	31
34	Inorganic Coordination Polymers Based on Chalcocyanide Cluster Complexes. <i>Journal of Structural Chemistry</i> , 2002, 43, 669-684.	1.0	63
35	New polymeric structure of rhenium octahedral chalcocyanide complex: $Ln^{3+}$ -derived network with one-dimensional channels. <i>Inorganic Chemistry Communication</i> , 2001, 4, 423-426.	3.9	35
36	Facile Transformation of Isolated Fragments to Infinite Chains in Rhenium Chalcocyanide Clusters: Synthesis and Structure of $(Pr_4N)_2M(H_2O)_5[Re_6X_8(CN)_6] \cdot H_2O$ and $(Pr_4N)_2M(H_2O)_4[Re_6S_8(CN)_6]$ ( $X = S, I$ ). <i>Journal of Inorganic Chemistry</i> , 2001, 27, 1000-1008.	1.0	9