

# Alexander Khort

## List of Publications by Year in descending order

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30  
papers

534  
citations

567144

15  
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642610

23  
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30  
docs citations

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times ranked

434  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extremely hard and tough high entropy nitride ceramics. <i>Scientific Reports</i> , 2020, 10, 19874.	1.6	65
2	Study of WO <sub>3</sub> @In <sub>2</sub> O <sub>3</sub> nanocomposites for highly sensitive CO and NO <sub>2</sub> gas sensors. <i>Journal of Solid State Chemistry</i> , 2019, 273, 25-31.	1.4	50
3	One-step solution combustion synthesis of pure Ni nanopowders with enhanced coercivity: The fuel effect. <i>Journal of Solid State Chemistry</i> , 2017, 253, 270-276.	1.4	33
4	Solution Combustion Synthesis of Copper Nanopowders: The Fuel Effect. <i>Combustion Science and Technology</i> , 2017, 189, 1878-1890.	1.2	33
5	One-Step Solution Combustion Synthesis of Cobalt Nanopowder in Air Atmosphere: The Fuel Effect. <i>Inorganic Chemistry</i> , 2018, 57, 1464-1473.	1.9	33
6	Influence of the La <sup>3+</sup> , Eu <sup>3+</sup> , and Er <sup>3+</sup> Doping on Structural, Optical, and Electrical Properties of BiFeO <sub>3</sub> Nanoparticles Synthesized by Microwave-Assisted Solution Combustion Method. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-11.	1.5	26
7	CO oxidation and organic dyes degradation over graphene@Cu and graphene@CuNi catalysts obtained by solution combustion synthesis. <i>Scientific Reports</i> , 2020, 10, 16104.	1.6	25
8	Solution combustion synthesis and Monte Carlo simulation of the formation of CuNi integrated nanoparticles. <i>Computational Materials Science</i> , 2020, 184, 109936.	1.4	25
9	Graphene@Metal Nanocomposites by Solution Combustion Synthesis. <i>Inorganic Chemistry</i> , 2020, 59, 6550-6565.	1.9	24
10	Recycling of iron-rich sediment for surface modification of filters for underground water deironing. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105712.	3.3	24
11	Effect of technological parameters on densification of reaction bonded Si/SiC ceramics. <i>Journal of the European Ceramic Society</i> , 2018, 38, 4815-4823.	2.8	22
12	Corrosion and transformation of solution combustion synthesized Co, Ni and CoNi nanoparticles in synthetic freshwater with and without natural organic matter. <i>Scientific Reports</i> , 2021, 11, 7860.	1.6	21
13	Effect of the residual water content in gels on solution combustion synthesis temperature. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 93, 251-261.	1.1	20
14	Solution combustion synthesis of single-phase bimetallic nanomaterials. <i>Nano Structures Nano Objects</i> , 2021, 26, 100727.	1.9	19
15	Structural, electrical, and magnetic study of La-, Eu-, and Er-doped bismuth ferrite nanomaterials obtained by solution combustion synthesis. <i>Scientific Reports</i> , 2021, 11, 22746.	1.6	19
16	Preparation of BaTiO <sub>3</sub> nanopowders by the solution combustion method. <i>Ceramics International</i> , 2016, 42, 15343-15348.	2.3	15
17	Modified anthracites for deironing of underground water. <i>Journal of Water Chemistry and Technology</i> , 2017, 39, 299-304.	0.2	13
18	WO <sub>3</sub> @Co <sub>3</sub> O <sub>4</sub> Compositions Prepared by the Sol-Gel Process: Structure and Gas-Sensing Properties. <i>Russian Journal of Inorganic Chemistry</i> , 2019, 64, 717-724.	0.3	12

#	ARTICLE	IF	CITATIONS
19	WO <sub>3</sub> –graphene–Cu nanocomposites for CO, NO <sub>2</sub> and acetone gas sensors. Nano Structures Nano Objects, 2022, 29, 100824.	1.9	10
20	Influence of natural organic matter on the transformation of metal and metal oxide nanoparticles and their ecotoxic potency in vitro. NanoImpact, 2022, 25, 100386.	2.4	8
21	Thermophysical properties of BiFeO <sub>3</sub> , Bi <sub>0.91</sub> Nd <sub>0.09</sub> FeO <sub>3</sub> , and BiFe <sub>0.91</sub> Mn <sub>0.09</sub> O <sub>3</sub> multiferroics at high temperatures. Physics of the Solid State, 2016, 58, 1285-1288.	0.2	7
22	ONE-STEP SYNTHESIS OF POLYMETALLIC NANOPARTICLES IN AIR ENVIRONMENT. ChemChemTech, 2018, 61, 42-47.	0.1	7
23	One-step solution combustion synthesis of nanostructured transition metal antiperovskite nitride and alloy. Nano Structures Nano Objects, 2021, 28, 100796.	1.9	7
24	Synthesis and Properties of Ceramics Based on a Layered Bismuth Calcium Cobaltite. Inorganic Materials, 2018, 54, 509-514.	0.2	4
25	Effect of reductant type on phase composition and ferroelectric behavior of combustion-synthesized BaTiO <sub>3</sub> and Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> . International Journal of Self-Propagating High-Temperature Synthesis, 2014, 23, 106-111.	0.2	3
26	Luminescence of Eu:Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> , Eu:Lu <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> , and Eu:GdAlO <sub>3</sub> Nanocrystals Synthesized by Solution Combustion. Journal of Applied Spectroscopy, 2017, 84, 866-874.	0.3	3
27	Synthesis of Reinforced Ceramic Matrix Composite Based on SiC and Nanocarbon Mesh. Journal of Engineering Physics and Thermophysics, 2019, 92, 1016-1024.	0.2	3
28	FEATURES OF CU - NI NANOPARTICLE SYNTHESIS: EXPERIMENT AND COMPUTER SIMULATION. Physical and Chemical Aspects of the Study of Clusters, Nanostructures and Nanomaterials, 2020, , 293-309.	0.2	2
29	Thermophysical Properties of Solid Solutions of Bi <sub>1-x</sub> Nd <sub>x</sub> Fe <sub>1-x</sub> Mn <sub>x</sub> O <sub>3</sub> (x = 0.03, 0.09) Multiferroics at High Temperatures. High Temperature, 2019, 57, 186-189.	0.1	1
30	Effect of Synthesis Conditions on the Phase Composition and Structure of Nickel-Based Microspheres Prepared by Exothermic Synthesis from a Glycine–Nitrate Solution. Inorganic Materials, 2020, 56, 473-481.	0.2	0