

# Alexander Khort

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29  
papers

268  
citations

11  
h-index

15  
g-index

30  
ext. papers

383  
ext. citations

3.1  
avg. IF

3.88  
L-index

#	Paper	IF	Citations
29	Influence of natural organic matter on the transformation of metal and metal oxide nanoparticles and their ecotoxic potency in vitro.. <i>NanoImpact</i> , <b>2022</b> , 25, 100386	5.6	0
28	WO <sub>3</sub> @graphene/Cu nanocomposites for CO, NO <sub>2</sub> and acetone gas sensors. <i>Nano Structures Nano Objects</i> , <b>2022</b> , 29, 100824	5.6	1
27	One-step solution combustion synthesis of nanostructured transition metal antiperovskite nitride and alloy. <i>Nano Structures Nano Objects</i> , <b>2021</b> , 28, 100796	5.6	0
26	Structural, electrical, and magnetic study of La-, Eu-, and Er- doped bismuth ferrite nanomaterials obtained by solution combustion synthesis. <i>Scientific Reports</i> , <b>2021</b> , 11, 22746	4.9	1
25	Solution combustion synthesis of single-phase bimetallic nanomaterials. <i>Nano Structures Nano Objects</i> , <b>2021</b> , 26, 100727	5.6	4
24	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> , <b>2021</b> , 11, 7860	4.9	5
23	Recycling of iron-rich sediment for surface modification of filters for underground water deironing. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105712	6.8	6
22	Effect of Synthesis Conditions on the Phase Composition and Structure of Nickel-Based Microspheres Prepared by Exothermic Synthesis from a Glycine Nitrate Solution. <i>Inorganic Materials</i> , <b>2020</b> , 56, 473-481	0.9	
21	Effect of the residual water content in gels on solution combustion synthesis temperature. <i>Journal of Sol-Gel Science and Technology</i> , <b>2020</b> , 93, 251-261	2.3	13
20	CO oxidation and organic dyes degradation over graphene-Cu and graphene-CuNi catalysts obtained by solution combustion synthesis. <i>Scientific Reports</i> , <b>2020</b> , 10, 16104	4.9	12
19	Solution combustion synthesis and Monte Carlo simulation of the formation of CuNi integrated nanoparticles. <i>Computational Materials Science</i> , <b>2020</b> , 184, 109936	3.2	10
18	Extremely hard and tough high entropy nitride ceramics. <i>Scientific Reports</i> , <b>2020</b> , 10, 19874	4.9	21
17	Graphene@Metal Nanocomposites by Solution Combustion Synthesis. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 6550-6565	5.1	12
16	Synthesis of Reinforced Ceramic Matrix Composite Based on SiC and Nanocarbon Mesh. <i>Journal of Engineering Physics and Thermophysics</i> , <b>2019</b> , 92, 1016-1024	0.6	2
15	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> , <b>2019</b> , 2019, 1-11	3.2	16
14	Thermophysical Properties of Solid Solutions of Bi <sub>1-x</sub> NdxFe <sub>1-x</sub> MnxO <sub>3</sub> (x = 0.03, 0.09) Multiferroics at High Temperatures. <i>High Temperature</i> , <b>2019</b> , 57, 186-189	0.8	
13	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> , <b>2019</b> , 64, 717-724	1.5	7

12	Study of WO <sub>3</sub> /TiO <sub>2</sub> nanocomposites for highly sensitive CO and NO <sub>2</sub> gas sensors. <i>Journal of Solid State Chemistry</i> , <b>2019</b> , 273, 25-31	3.3	32
11	One-Step Solution Combustion Synthesis of Cobalt Nanopowder in Air Atmosphere: The Fuel Effect. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 1464-1473	5.1	26
10	Effect of technological parameters on densification of reaction bonded Si/SiC ceramics. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 4815-4823	6	11
9	Synthesis and Properties of Ceramics Based on a Layered Bismuth Calcium Cobaltite. <i>Inorganic Materials</i> , <b>2018</b> , 54, 509-514	0.9	4
8	ONE-STEP SYNTHESIS OF POLYMETALLIC NANOPARTICLES IN AIR ENVIRONMENT. <i>ChemChemTech</i> , <b>2018</b> , 61, 42-47	1.1	2
7	One-step solution combustion synthesis of pure Ni nanopowders with enhanced coercivity: The fuel effect. <i>Journal of Solid State Chemistry</i> , <b>2017</b> , 253, 270-276	3.3	24
6	Solution Combustion Synthesis of Copper Nanopowders: The Fuel Effect. <i>Combustion Science and Technology</i> , <b>2017</b> , 189, 1878-1890	1.5	26
5	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. <i>Journal of Applied Spectroscopy</i> , <b>2017</b> , 84, 866-874	0.7	2
4	Modified anthracites for deironing of underground water. <i>Journal of Water Chemistry and Technology</i> , <b>2017</b> , 39, 299-304	0.4	8
3	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. <i>Physics of the Solid State</i> , <b>2016</b> , 58, 1285-1288	0.8	6
2	Preparation of BaTiO <sub>3</sub> nanopowders by the solution combustion method. <i>Ceramics International</i> , <b>2016</b> , 42, 15343-15348	5.1	13
1	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> . <i>International Journal of Self-Propagating High-Temperature Synthesis</i> , <b>2014</b> , 23, 106-111	0.7	3