

Alexander Khort

List of Publications by Citations

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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	Study of WO ₃ In ₂ O ₃ nanocomposites for highly sensitive CO and NO ₂ gas sensors. <i>Journal of Solid State Chemistry</i> , 2019 , 273, 25-31	3.3	32
28	Solution Combustion Synthesis of Copper Nanopowders: The Fuel Effect. <i>Combustion Science and Technology</i> , 2017 , 189, 1878-1890	1.5	26
27	One-Step Solution Combustion Synthesis of Cobalt Nanopowder in Air Atmosphere: The Fuel Effect. <i>Inorganic Chemistry</i> , 2018 , 57, 1464-1473	5.1	26
26	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	3.3	24
25	Extremely hard and tough high entropy nitride ceramics. <i>Scientific Reports</i> , 2020 , 10, 19874	4.9	21
24	Influence of the La ³⁺ , Eu ³⁺ , and Er ³⁺ Doping on Structural, Optical, and Electrical Properties of BiFeO ₃ Nanoparticles Synthesized by Microwave-Assisted Solution Combustion Method. <i>Journal of Nanomaterials</i> , 2019 , 2019, 1-11	3.2	16
23	Preparation of BaTiO ₃ nanopowders by the solution combustion method. <i>Ceramics International</i> , 2016 , 42, 15343-15348	5.1	13
22	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	2.3	13
21	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	4.9	12
20	Graphene@Metal Nanocomposites by Solution Combustion Synthesis. <i>Inorganic Chemistry</i> , 2020 , 59, 6550-6565	5.1	12
19	Effect of technological parameters on densification of reaction bonded Si/SiC ceramics. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 4815-4823	6	11
18	Solution combustion synthesis and Monte Carlo simulation of the formation of CuNi integrated nanoparticles. <i>Computational Materials Science</i> , 2020 , 184, 109936	3.2	10
17	Modified anthracites for deironing of underground water. <i>Journal of Water Chemistry and Technology</i> , 2017 , 39, 299-304	0.4	8
16	WO ₃ In ₂ O ₃ Compositions Prepared by the Sol-Gel Process: Structure and Gas-Sensing Properties. <i>Russian Journal of Inorganic Chemistry</i> , 2019 , 64, 717-724	1.5	7
15	Thermophysical properties of BiFeO ₃ , Bi _{0.91} Nd _{0.09} FeO ₃ , and BiFe _{0.91} Mn _{0.09} O ₃ multiferroics at high temperatures. <i>Physics of the Solid State</i> , 2016 , 58, 1285-1288	0.8	6
14	Recycling of iron-rich sediment for surface modification of filters for underground water deironing. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105712	6.8	6
13	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	4.9	5

12	Synthesis and Properties of Ceramics Based on a Layered Bismuth Calcium Cobaltite. <i>Inorganic Materials</i> , 2018 , 54, 509-514	0.9	4
11	Solution combustion synthesis of single-phase bimetallic nanomaterials. <i>Nano Structures Nano Objects</i> , 2021 , 26, 100727	5.6	4
10	Effect of reductant type on phase composition and ferroelectric behavior of combustion-synthesized BaTiO ₃ and Bi ₄ Ti ₃ O ₁₂ . <i>International Journal of Self-Propagating High-Temperature Synthesis</i> , 2014 , 23, 106-111	0.7	3
9	Synthesis of Reinforced Ceramic Matrix Composite Based on SiC and Nanocarbon Mesh. <i>Journal of Engineering Physics and Thermophysics</i> , 2019 , 92, 1016-1024	0.6	2
8	Luminescence of Eu:Y ₃ Al ₅ O ₁₂ , Eu:Lu ₃ Al ₅ O ₁₂ , and Eu:GdAlO ₃ Nanocrystals Synthesized by Solution Combustion. <i>Journal of Applied Spectroscopy</i> , 2017 , 84, 866-874	0.7	2
7	ONE-STEP SYNTHESIS OF POLYMETALLIC NANOPARTICLES IN AIR ENVIRONMENT. <i>ChemChemTech</i> , 2018 , 61, 42-47	1.1	2
6	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	4.9	1
5	WO ₃ /graphene/TiO ₂ nanocomposites for CO, NO ₂ and acetone gas sensors. <i>Nano Structures Nano Objects</i> , 2022 , 29, 100824	5.6	1
4	Influence of natural organic matter on the transformation of metal and metal oxide nanoparticles and their ecotoxic potency in vitro.. <i>NanoImpact</i> , 2022 , 25, 100386	5.6	0
3	One-step solution combustion synthesis of nanostructured transition metal antiperovskite nitride and alloy. <i>Nano Structures Nano Objects</i> , 2021 , 28, 100796	5.6	0
2	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> , 2020 , 56, 473-481	0.9	
1	Thermophysical Properties of Solid Solutions of Bi _{1-x} NdxFe _{1-x} MnxO ₃ (x = 0.03, 0.09) Multiferroics at High Temperatures. <i>High Temperature</i> , 2019 , 57, 186-189	0.8	