

Georgia Basina

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.

32
papers

482
citations

12
h-index

21
g-index

36
ext. papers

628
ext. citations

5
avg. IF

3.29
L-index

#	Paper	IF	Citations
32	Chemical synthesis and characterization of hcp Ni nanoparticles. <i>Nanotechnology</i> , 2006 , 17, 3750-3755	3.4	107
31	Different modulated structures of topological defects stabilized by adaptive targeting nanoparticles. <i>Soft Matter</i> , 2013 , 9, 3956	3.6	49
30	Immobilization of magnetic iron oxide nanoparticles on laponite discs - an easy way to biocompatible ferrofluids and ferrogels. <i>Journal of Materials Chemistry</i> , 2010 , 20, 5418-5428		46
29	Functionalization effects on HKUST-1 and HKUST-1/graphene oxide hybrid adsorbents for hydrogen sulfide removal. <i>Journal of Hazardous Materials</i> , 2020 , 394, 122565	12.8	32
28	Hierarchical AlPO ₄ -5 and SAPO-5 microporous molecular sieves with mesoporous connectivity for water sorption applications. <i>Surface and Coatings Technology</i> , 2018 , 353, 378-386	4.4	25
27	Synthesis and Exchange Bias in γ -Fe ₂ O ₃ /CoO and Reverse CoO/ γ -Fe ₂ O ₃ Binary Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 14609-14614	3.8	24
26	Solvothermal synthesis, nanostructural characterization and gas cryo-adsorption studies in a metal-organic framework (IRMOF-1) material. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 23899-23907	6.7	19
25	The effect of Mn doping in FePt nanoparticles on the magnetic properties of the L1(0) phase. <i>Nanotechnology</i> , 2006 , 17, 4270-3	3.4	17
24	Direct chemical synthesis of L10 FePt nanoparticles. <i>Journal of Applied Physics</i> , 2011 , 109, 07A718	2.5	14
23	Synthesis of nanoporous zeolite-Y and zeolite-Y/GO nanocomposite using polyelectrolyte functionalized graphene oxide. <i>Surface and Coatings Technology</i> , 2018 , 350, 369-375	4.4	13
22	Synthesis and Magnetic Properties of Pure Cubic CoO Nanocrystals and Nanoaggregates. <i>Crystal Growth and Design</i> , 2009 , 9, 3353-3358	3.5	13
21	Ultrasmall Metal-Doped CeO ₂ Nanoparticles for Low-Temperature CO Oxidation. <i>ACS Applied Nano Materials</i> , 2020 , 3, 10805-10813	5.6	13
20	A general chemical route for the synthesis of capped nanocrystalline materials. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 3117-22	1.3	12
19	Adsorption and gas sensing properties of CuFe ₂ O ₄ nanoparticles. <i>Materials Science-Poland</i> , 2019 , 37, 289-295	0.6	12
18	Mesoporous silica plated copper hydroxides/oxides heterostructures as superior regenerable sorbents for low temperature H ₂ S removal. <i>Chemical Engineering Journal</i> , 2020 , 398, 125585	14.7	12
17	One pot synthesis and characterization of ultra fine CeO ₂ and Cu/CeO ₂ nanoparticles. Application for low temperature CO oxidation. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 8593-8	1.3	10
16	Large-scale synthesis, size control, and anisotropic growth of gamma-Fe ₂ O ₃ nanoparticles: organosols and hydrosols. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 2753-7	1.3	10

15	Magnetic hyperthermia of laponite based ferrofluid. <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 336, 71-74	2.8	9
14	Iron carbide nanoplatelets: colloidal synthesis and characterization. <i>Nanoscale Advances</i> , 2019 , 1, 4476-4480	5.8	8
13	Synthesis and magnetic properties of Fe ₃ O ₄ nanoparticles coated with biocompatible double hydrophilic block copolymer. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 4753-9	1.3	6
12	Ni ₂ P Nanoparticles Embedded in Mesoporous SiO ₂ for Catalytic Hydrogenation of SO ₂ to Elemental S. <i>ACS Applied Nano Materials</i> , 2021 , 4, 5665-5676	5.6	6
11	Water-Soluble Spinel Ferrites by a Modified Polyol Process as Contrast Agents in MRI 2010 ,		4
10	Combined DFT and experimental investigation on ion isomorphous substitution of aluminophosphate microporous crystals. <i>Microporous and Mesoporous Materials</i> , 2020 , 294, 109859	5.3	4
9	Facile MoS ₂ Growth on Reduced Graphene-Oxide via Liquid Phase Method. <i>Frontiers in Materials</i> , 2018 , 5,	4	4
8	On the selective oxidation of H ₂ S by heavy loaded Nanoparticles Embedded in Mesoporous Matrix (NEMMs). <i>Applied Catalysis B: Environmental</i> , 2020 , 278, 119338	21.8	3
7	Sulfur-oley amine platelet derivatives with liquid crystalline behavior.. <i>RSC Advances</i> , 2018 , 8, 41480-41487	4.7	3
6	On the impact of copper local environment on hydrogen sulfide adsorption within microporous AlPO ₄ -5. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104245	6.8	2
5	Metal substitution effects of aluminophosphate AlPO ₄ -5 as solid acid catalyst for esterification of acetic acid with ethanol. <i>Molecular Catalysis</i> , 2021 , 501, 111371	3.3	2
4	Direct liquid phase synthesis of ordered L10 FePt colloidal particles with high coercivity using an Au nanoparticle seeding approach. <i>New Journal of Chemistry</i> , 2016 , 40, 10294-10299	3.6	1
3	Synthesis of Biocompatible Magnetic Iron Oxide (Fe ₂ O ₃ and Fe ₃ O ₄) Nanoparticles by a Modified Polyol Process for Biomedical Applications. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1256, 1		1
2	H ₂ S removal by copper enriched porous carbon cuboids. <i>Carbon Trends</i> , 2022 , 7, 100145	0	0
1	Ferromagnetic L10-Structured CoPt Nanoparticles for Permanent Magnets and Low Pt-Based Catalysts. <i>ACS Applied Nano Materials</i> , 2021 , 4, 9231-9240	5.6	0