

Hossein Abbastabar Ahangar

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,923
citations

331670

21
h-index

254184

43
g-index

52
all docs

52
docs citations

52
times ranked

2674
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous photocatalytic degradation of cefixime and cefuroxime antibiotics using g-C ₃ N ₄ /NaBiO ₃ nanocomposite and optimization of effective parameters by response surface methodology. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2022, 135, 1059-1075.	1.7	1
2	Fabrication and characterization of <i>Plantago psyllium mucilage</i> / chitosan composite scaffold: Physico-mechanical and antibacterial properties. <i>Journal of Materials Research</i> , 2022, 37, 1440-1450.	2.6	2
3	Physicochemical, rheological, and baking properties of composite Brotchen bread made from foxtail millet flour. <i>Acta Alimentaria</i> , 2022, 51, 166-175.	0.7	1
4	Application of hydrophobic polymers as solidifiers for oil spill cleanup. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 1419-1424.	3.5	10
5	Synthesis of the novel CuAl ₂ O ₄ •Al ₂ O ₃ •SiO ₂ nanocomposites for the removal of pollutant dye and antibacterial applications. <i>Research on Chemical Intermediates</i> , 2021, 47, 599-614.	2.7	2
6	Experimental Study on the Effect of Basalt Fiber and Sodium Alginate in Polymer Concrete Exposed to Elevated Temperature. <i>Processes</i> , 2021, 9, 510.	2.8	4
7	Synthesis of novel ZnAl ₂ O ₄ /Al ₂ O ₃ nanocomposite by sol-gel method and its application as adsorbent. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 99, 158-168.	2.4	8
8	Textural and sensory characteristics of sugar-free biscuit formulated with quinoa flour, isomalt, and maltodextrin. <i>Food Science and Nutrition</i> , 2021, 9, 6501-6512.	3.4	2
9	Thermal Performance of Alginate Concrete Reinforced with Basalt Fiber. <i>Crystals</i> , 2020, 10, 779.	2.2	13
10	Super-paramagnetic nanostructured CuZnMg mixed spinel ferrite for bone tissue regeneration. <i>Materials Science and Engineering C</i> , 2019, 105, 110084.	7.3	36
11	Taguchi method optimization for synthesis of Fe ₃ O ₄ @chitosan/Tragacanth Gum nanocomposite as a drug delivery system. <i>Carbohydrate Polymers</i> , 2019, 222, 114982.	10.2	67
12	Dielectric and optical properties of Ni- and Fe-doped CeO ₂ Nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	18
13	Copper-substituted spinel Zn-Mg ferrite nanoparticles as potential heating agents for hyperthermia. <i>Journal of the American Ceramic Society</i> , 2018, 101, 3649-3661.	3.8	34
14	Structural and impedance spectroscopy characteristics of BaCO ₃ /BaSnO ₃ /SnO ₂ nanocomposite: observation of a non-monotonic relaxation behavior. <i>RSC Advances</i> , 2018, 8, 2100-2108.	3.6	18
15	Optical and magnetic properties of ZnO/ZnFe ₂ O ₄ nanocomposite. <i>Materials Chemistry and Physics</i> , 2017, 192, 330-338.	4.0	34
16	Synthesis and characterization of Cu _{0.3} Zn _{0.5} Mg _{0.2} Fe ₂ O ₄ nanoparticles as a magnetic drug delivery system. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 439, 67-75.	2.3	47
17	Hydrothermal synthesis and ESR analysis of NiO dendrite and tree-like nanostructures. <i>Research on Chemical Intermediates</i> , 2017, 43, 2881-2888.	2.7	2
18	Dielectrical Properties of CeO ₂ Nanoparticles at Different Temperatures. <i>PLoS ONE</i> , 2015, 10, e0122989.	2.5	91

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19	The structural and optical constants of Ag ₂ S semiconductor nanostructure in the Far-Infrared. Chemistry Central Journal, 2015, 9, 28.	2.6	87
20	Silver Nanoparticle Fabrication by Laser Ablation in Polyvinyl Alcohol Solutions. Chinese Physics Letters, 2014, 31, 077803.	3.3	14
21	Effects of rare-earth (Er, La and Yb) doping on morphology and structure properties of ZnO nanostructures prepared by wet chemical method. Ceramics International, 2014, 40, 523-529.	4.8	143
22	Hydrothermal synthesis of goethite (±-FeOOH) nanorods in the presence of ethylenediamine:thiourea. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	12
23	Study of far infrared optical properties and, photocatalytic activity of ZnO/ZnS hetero-nanocomposite structure. RSC Advances, 2014, 4, 35383.	3.6	24
24	Fabricating and characterising ZnO±Zn±Ag ₂ S ternary nanostructures with efficient solar-light photocatalytic activity. Physical Chemistry Chemical Physics, 2014, 16, 22418-22425.	2.8	35
25	Enhancement of near infrared emission in La co-doped ZnO/Er nanoplates. Ceramics International, 2014, 40, 12947-12951.	4.8	10
26	Effect of manganese doping on optical and magnetic properties of titanium dioxide nanostructures prepared by hydrothermal technique in the presence of thiourea. Micro and Nano Letters, 2014, 9, 906-908.	1.3	2
27	Laser assisted fabrication of ZnO/Ag and ZnO/Au core/shell nanocomposites. Applied Physics A: Materials Science and Processing, 2013, 111, 487-493.	2.3	37
28	Fabrication, characterization, and magnetic properties of copper ferrite nanoparticles prepared by a simple, thermal-treatment method. Materials Research Bulletin, 2013, 48, 1439-1446.	5.2	111
29	The effect of laser repetition rate on the LASiS synthesis of biocompatible silver nanoparticles in aqueous starch solution. International Journal of Nanomedicine, 2013, 8, 233.	6.7	20
30	Laser-Ablation Synthesis and Evaluation of Thermal Non-Linear Optical Properties of Silver Nanoparticles in Monoolein. Science of Advanced Materials, 2013, 5, 748-757.	0.7	2
31	Aqueous starch as a stabilizer in zinc oxide nanoparticle synthesis via laser ablation. Journal of Alloys and Compounds, 2012, 516, 41-48.	5.5	113
32	Preparation and characterization of silver nanoparticles in natural polymers using laser ablation. Bulletin of Materials Science, 2012, 35, 727-731.	1.7	28
33	Physicochemical Studies of Ni-, Co-, and Pt- Promoted Movable Catalysts Synthesised by Impregnation Method. Oriental Journal of Chemistry, 2012, 28, 59-65.	0.3	1
34	Preparation of silver nanoparticles in virgin coconut oil using laser ablation. International Journal of Nanomedicine, 2011, 6, 71.	6.7	60
35	Laser based fabrication of chitosan mediated silver nanoparticles. Applied Physics A: Materials Science and Processing, 2011, 105, 255-259.	2.3	17
36	Chemometric analysis of lipase-catalyzed synthesis of xylitol esters in a solvent-free system. Carbohydrate Research, 2011, 346, 472-479.	2.3	19

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37	Reflux method as a novel route for the synthesis of MoVTeNbO _x catalysts for selective oxidation of propane to acrylic acid. <i>Journal of Molecular Catalysis A</i> , 2011, 342-343, 50-57.	4.8	17
38	Synthesis and characterization of manganese ferrite nanoparticles by thermal treatment method. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 1745-1749.	2.3	184
39	Simple preparation and characterization of nickel ferrite nanocrystals by a thermal treatment method. <i>Powder Technology</i> , 2011, 212, 80-88.	4.2	156
40	Synthesis and characterization of zinc ferrite nanoparticles by a thermal treatment method. <i>Solid State Communications</i> , 2011, 151, 1031-1035.	1.9	172
41	A One-Pot synthesis of 1,2-Dihydro-1-arylnaphtho[1,2-e][1,3]oxazine-3-one Derivatives catalyzed by Perchloric Acid Supported on Silica (HClO ₄ /SiO ₂) in the absence of solvent. <i>Journal of the Iranian Chemical Society</i> , 2010, 7, 770-774.	2.2	21
42	Simple Synthesis and Characterization of Cobalt Ferrite Nanoparticles by a Thermal Treatment Method. <i>Journal of Nanomaterials</i> , 2010, 2010, 1-8.	2.7	136
43	Fabrication of Silver Nanoparticles Dispersed in Palm Oil Using Laser Ablation. <i>International Journal of Molecular Sciences</i> , 2010, 11, 4764-4770.	4.1	47
44	Preparation and Characterization of NiCoFerrite Nanoparticles by Thermal Method. , 2010, , .		0
45	Ion-selective carbon paste electrode based on new tripodal ligand for determination of cadmium (II). <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2009, 63, 287-293.	1.6	23
46	Microwave-assisted aldol condensation of benzil with ketones. <i>Chinese Chemical Letters</i> , 2009, 20, 401-403.	9.0	2
47	Microwave-Assisted Reduction of α,β -Unsaturated Carbonyl Compounds in Solid State Using Sodium Borohydride Supported on Magnesium Sulfate (NaBH ₄ /MgSO ₄ ·7H ₂ O). <i>Synthetic Communications</i> , 2008, 38, 3414-3421.	2.1	7
48	3,5-Dinitro- <i>N</i> -(tri-2-pyridylmethyl)benzamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o3345-o3345.	0.2	1
49	Thermal diffusivity measurement of copper nanofluid using pulsed laser thermal lens technique. <i>Journal of the European Optical Society-Rapid Publications</i> , 0, 7, .	1.9	15