

Hossein Abbastabar Ahangar

List of Publications by Year in descending order

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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	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
2	Synthesis and characterization of zinc ferrite nanoparticles by a thermal treatment method. <i>Solid State Communications</i> , 2011, 151, 1031-1035.	1.9	172
3	Simple preparation and characterization of nickel ferrite nanocrystals by a thermal treatment method. <i>Powder Technology</i> , 2011, 212, 80-88.	4.2	156
4	Effects of rare-earth (Er, La and Yb) doping on morphology and structure properties of ZnO nanostructures prepared by wet chemical method. <i>Ceramics International</i> , 2014, 40, 523-529.	4.8	143
5	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
6	Aqueous starch as a stabilizer in zinc oxide nanoparticle synthesis via laser ablation. <i>Journal of Alloys and Compounds</i> , 2012, 516, 41-48.	5.5	113
7	Fabrication, characterization, and magnetic properties of copper ferrite nanoparticles prepared by a simple, thermal-treatment method. <i>Materials Research Bulletin</i> , 2013, 48, 1439-1446.	5.2	111
8	Dielectrical Properties of CeO ₂ Nanoparticles at Different Temperatures. <i>PLoS ONE</i> , 2015, 10, e0122989.	2.5	91
9	The structural and optical constants of Ag ₂ S semiconductor nanostructure in the Far-Infrared. <i>Chemistry Central Journal</i> , 2015, 9, 28.	2.6	87
10	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
11	Preparation of silver nanoparticles in virgin coconut oil using laser ablation. <i>International Journal of Nanomedicine</i> , 2011, 6, 71.	6.7	60
12	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
13	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
14	Laser assisted fabrication of ZnO/Ag and ZnO/Au core/shell nanocomposites. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 111, 487-493.	2.3	37
15	Super-paramagnetic nanostructured CuZnMg mixed spinel ferrite for bone tissue regeneration. <i>Materials Science and Engineering C</i> , 2019, 105, 110084.	7.3	36
16	Fabricating and characterising ZnO@ZnAg ₂ S ternary nanostructures with efficient solar-light photocatalytic activity. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 22418-22425.	2.8	35
17	Optical and magnetic properties of ZnO/ZnFe ₂ O ₄ nanocomposite. <i>Materials Chemistry and Physics</i> , 2017, 192, 330-338.	4.0	34
18	Copper-substituted spinel ZnMg ferrite nanoparticles as potential heating agents for hyperthermia. <i>Journal of the American Ceramic Society</i> , 2018, 101, 3649-3661.	3.8	34

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19	Preparation and characterization of silver nanoparticles in natural polymers using laser ablation. <i>Bulletin of Materials Science</i> , 2012, 35, 727-731.	1.7	28
20	Study of far infrared optical properties and, photocatalytic activity of ZnO/ZnS hetero-nanocomposite structure. <i>RSC Advances</i> , 2014, 4, 35383.	3.6	24
21	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
22	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
23	The effect of laser repetition rate on the LASis synthesis of biocompatible silver nanoparticles in aqueous starch solution. <i>International Journal of Nanomedicine</i> , 2013, 8, 233.	6.7	20
24	Chemometric analysis of lipase-catalyzed synthesis of xylitol esters in a solvent-free system. <i>Carbohydrate Research</i> , 2011, 346, 472-479.	2.3	19
25	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
26	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
27	Laser based fabrication of chitosan mediated silver nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 105, 255-259.	2.3	17
28	Reflux method as a novel route for the synthesis of MoVTenbOx catalysts for selective oxidation of propane to acrylic acid. <i>Journal of Molecular Catalysis A</i> , 2011, 342-343, 50-57.	4.8	17
29	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
30	Silver Nanoparticle Fabrication by Laser Ablation in Polyvinyl Alcohol Solutions. <i>Chinese Physics Letters</i> , 2014, 31, 077803.	3.3	14
31	Thermal Performance of Alginate Concrete Reinforced with Basalt Fiber. <i>Crystals</i> , 2020, 10, 779.	2.2	13
32	Hydrothermal synthesis of goethite (̂±-FeOOH) nanorods in the presence of ethylenediamine:thiourea. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	12
33	Enhancement of near infrared emission in La co-doped ZnO/Er nanoplates. <i>Ceramics International</i> , 2014, 40, 12947-12951.	4.8	10
34	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
35	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
36	Microwave-Assisted Reduction of ̂±,̂²-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

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37	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
38	Microwave-assisted aldol condensation of benzil with ketones. <i>Chinese Chemical Letters</i> , 2009, 20, 401-403.	9.0	2
39	Effect of manganese doping on optical and magnetic properties of titanium dioxide nanostructures prepared by hydrothermal technique in the presence of thiourea. <i>Micro and Nano Letters</i> , 2014, 9, 906-908.	1.3	2
40	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
41	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
42	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
43	Laser-Ablation Synthesis and Evaluation of Thermal Non-Linear Optical Properties of Silver Nanoparticles in Monoolein. <i>Science of Advanced Materials</i> , 2013, 5, 748-757.	0.7	2
44	Fabrication and characterization of Plantago psyllium mucilage/ chitosan composite scaffold: Physico-mechanical and antibacterial properties. <i>Journal of Materials Research</i> , 2022, 37, 1440-1450.	2.6	2
45	3,5-Dinitro-N-(tri-2-pyridylmethyl)benzamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o3345-o3345.	0.2	1
46	Physicochemical Studies of Ni-, Co-, and Pt- Promoted Movable Catalysts Synthesised by Impregnation Method. <i>Oriental Journal of Chemistry</i> , 2012, 28, 59-65.	0.3	1
47	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
48	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
49	Preparation and Characterization of NiCoFerrite Nanoparticles by Thermal Method. , 2010, , .		0