

Akbar Rostami-Vartooni

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,757
citations

430874

18
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

1999
citing authors

#	ARTICLE	IF	CITATIONS
1	Green synthesis of the Pd nanoparticles supported on reduced graphene oxide using barberry fruit extract and its application as a recyclable and heterogeneous catalyst for the reduction of nitroarenes. <i>Journal of Colloid and Interface Science</i> , 2016, 466, 360-368.	9.4	162
2	Green synthesis of seashell supported silver nanoparticles using <i>Bunium persicum</i> seeds extract: Application of the particles for catalytic reduction of organic dyes. <i>Journal of Colloid and Interface Science</i> , 2016, 470, 268-275.	9.4	158
3	Green synthesis of Pd/Fe ₃ O ₄ nanoparticles using <i>Euphorbia condylocarpa</i> M. bieb root extract and their catalytic applications as magnetically recoverable and stable recyclable catalysts for the phosphine-free Sonogashira and Suzuki coupling reactions. <i>Journal of Molecular Catalysis A</i> , 2015, 396, 31-39.	4.8	154
4	Green synthesis of CuO nanoparticles using aqueous extract of <i>Thymus vulgaris</i> L. leaves and their catalytic performance for N-arylation of indoles and amines. <i>Journal of Colloid and Interface Science</i> , 2016, 466, 113-119.	9.4	142
5	Green synthesis of Pd/CuO nanoparticles by <i>Theobroma cacao</i> L. seeds extract and their catalytic performance for the reduction of 4-nitrophenol and phosphine-free Heck coupling reaction under aerobic conditions. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 106-113.	9.4	139
6	Photocatalytic degradation of azo dyes by titanium dioxide supported silver nanoparticles prepared by a green method using <i>Carpobrotus acinaciformis</i> extract. <i>Journal of Alloys and Compounds</i> , 2016, 689, 15-20.	5.5	134
7	Immobilization of copper nanoparticles on perlite: Green synthesis, characterization and catalytic activity on aqueous reduction of 4-nitrophenol. <i>Journal of Molecular Catalysis A</i> , 2015, 400, 22-30.	4.8	130
8	Green synthesis of perlite supported silver nanoparticles using <i>Hamamelis virginiana</i> leaf extract and investigation of its catalytic activity for the reduction of 4-nitrophenol and Congo red. <i>Journal of Alloys and Compounds</i> , 2016, 680, 309-314.	5.5	122
9	Barberry fruit extract assisted in situ green synthesis of Cu nanoparticles supported on a reduced graphene oxide-Fe ₃ O ₄ nanocomposite as a magnetically separable and reusable catalyst for the O-arylation of phenols with aryl halides under ligand-free conditions. <i>RSC Advances</i> , 2015, 5, 64769-64780.	3.6	121
10	Green synthesis of CuO nanoparticles by aqueous extract of <i>Anthemis nobilis</i> flowers and their catalytic activity for the A3 coupling reaction. <i>Journal of Colloid and Interface Science</i> , 2015, 459, 183-188.	9.4	116
11	Journey on greener pathways: use of <i>Euphorbia condylocarpa</i> M. bieb as reductant and stabilizer for green synthesis of Au/Pd bimetallic nanoparticles as reusable catalysts in the Suzuki and Heck coupling reactions in water. <i>RSC Advances</i> , 2014, 4, 43477-43484.	3.6	94
12	Green synthesis, characterization and catalytic activity of natural bentonite-supported copper nanoparticles for the solvent-free synthesis of 1-substituted 1 <i>H</i> -1,2,3,4-tetrazoles and reduction of 4-nitrophenol. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 2300-2309.	2.8	57
13	Fabrication, characterization and application of nanopolymer supported copper (II) complex as an effective and reusable catalyst for the CN bond cross-coupling reaction of sulfonamides with arylboronic acids in water under aerobic conditions. <i>Journal of Molecular Catalysis A</i> , 2014, 387, 123-129.	4.8	48
14	Natrolite zeolite supported copper nanoparticles as an efficient heterogeneous catalyst for the 1,3-dipolar cycloaddition and cyanation of aryl iodides under ligand-free conditions. <i>Journal of Colloid and Interface Science</i> , 2015, 453, 237-243.	9.4	44
15	Green synthesis of Fe ₃ O ₄ /bentonite-supported Ag and Pd nanoparticles and investigation of their catalytic activities for the reduction of azo dyes. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 21377-21387.	2.2	27
16	Palladium nanoparticles supported on copper oxide as an efficient and recyclable catalyst for carbon(sp ²)-carbon(sp ²) cross-coupling reaction. <i>Materials Research Bulletin</i> , 2015, 68, 150-154.	5.2	24
17	Catalytic reduction of organic pollutants using biosynthesized Ag/C/Fe ₃ O ₄ nanocomposite by red water and <i>Caesalpinia gilliesii</i> flower extract. <i>Materials Chemistry and Physics</i> , 2018, 219, 328-339.	4.0	24
18	Green synthesis of CuO nanoparticles loaded on the seashell surface using <i>Rumex crispus</i> seeds extract and its catalytic applications for reduction of dyes. <i>IET Nanobiotechnology</i> , 2017, 11, 349-359.	3.8	21

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19	Hydrogen production by Electrochemical reaction using waste zeolite boosted with Titania and Au nanoparticles. <i>Inorganic Chemistry Communication</i> , 2021, 133, 108891.	3.9	18
20	Green synthesis of magnetically recoverable Fe ₃ O ₄ /HZSM-5 and its Ag nanocomposite using <i>Juglans regia</i> L. leaf extract and their evaluation as catalysts for reduction of organic pollutants. <i>IET Nanobiotechnology</i> , 2019, 13, 407-415.	3.8	11
21	Preparation and characterization of magnetic zirconium oxide nanocomposite as a catalyst for reduction of methylene blue. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	5
22	Crystal structure, spectroscopic characterization and computational studies of a Re(I) tricarbonyl-diimine complex with the N,N'-bis(2-methylbenzaldehyde)-1,2-diiminoethane Schiff base. <i>Polyhedron</i> , 2014, 76, 22-28.	2.2	4
23	Catalytic reduction of methyl orange by Ag/SrFe ₂ O ₄ nanocomposite prepared using celestine and Marrubium vulgare L. leaf extract. <i>Biomass Conversion and Biorefinery</i> , 0, , .	4.6	2