Abdolhamid Alizadeh

List of Publications by Year in Descending Order

78 papers	1,889 citations	25 h-index	41 g-index
90 ext. papers	2,123 ext. citations	3.7 avg, IF	5.02 L-index

#	Paper	IF	Citations
78	Efficient conjugation of anti-HBsAg antibody to modified core-shell magnetic nanoparticles (FeO@SiO/NH). *BioImpacts*, **2021**, 11, 237-244	3.5	0
77	Developments in Synthesis and Potential Electronic and Magnetic Applications of Pristine and Doped Graphynes. *Nanomaterials*, **2021**, 11,	5.4	1
76	Ionic liquid-decorated Fe3O4@SiO2 nanocomposite coated on talc sheets: An efficient adsorbent for methylene blue in aqueous solution. *Inorganic Chemistry Communication*, **2020**, 121, 108204	3.1	12
75	Preparation and characterization of Cu (II) Schiff base complex functionalized boehmite nanoparticles and its application as an effective catalyst for oxidation of sulfides and thiols. *Applied Organometallic Chemistry*, **2020**, 34, e5262	3.1	1
74	One-pot synthesis of magnetic chitosan/iron oxide bio-nanocomposite hydrogel beads as drug delivery systems. *Soft Materials*, **2020**, 1-9	1.7	6
73	Green and Fast Synthesis of 2-Arylidene-indan-1,3-diones Using a Task-Specific Ionic Liquid. *ACS Omega*, **2020**, 5, 28632-28636	3.9	3
72	A simple synthesis of magnetic nanoparticles-supported 4-aminomethylbenzoic acid as a highly efficient and reusable catalyst for synthesis of 2-amino-4H-chromene derivatives. *Research on Chemical Intermediates*, **2020**, 46, 1033-1045	2.8	8
71	Nanocomposite of magnetic nanoparticles/graphene oxide decorated with acetic acid moieties on glassy carbon electrode: A facile method to detect nitrite concentration. *Journal of Electroanalytical Chemistry*, **2019**, 847, 113239	4.1	6
70	Polyamine-modified magnetic graphene oxide surface: Feasible adsorbent for removal of dyes. *Journal of Molecular Liquids*, **2019**, 289, 111118	6	36
69	Preparation and characterization of isatin complexed with Cu supported on 4-(aminomethyl) benzoic acid-functionalized Fe3O4 nanoparticles as a novel magnetic catalyst for the Ullmann coupling reaction. *Research on Chemical Intermediates*, **2019**, 45, 2727-2747	2.8	13
68	Metalloporphyrin/dendrimer-decorated MCM-41 biomimetic hybrid catalysts: high stability combined with facile catalyst recyclability. *Journal of Porous Materials*, **2018**, 25, 1813-1823	2.4	3
67	SBA-15/Metformin as a novel sorbent combined with surfactant-assisted dispersive liquid□liquid microextraction (SA-DLLME) for highly sensitive determination of Pb, Cd and Ni in food and environmental samples. *Journal of the Iranian Chemical Society*, **2018**, 15, 753-768	2	10
66	Removal of dye and heavy metal ion using a novel synthetic polyethersulfone nanofiltration membrane modified by magnetic graphene oxide/metformin hybrid. *Journal of Membrane Science*, **2018**, 552, 326-335	9.6	145
65	A mild and efficient H2O2 oxygenation of N-heteroaromatic compounds to the amine N-oxides and KI deoxygenation back to the tertiary amine with hexaphenyloxodiphosphonium triflate. *Journal of the Iranian Chemical Society*, **2018**, 15, 1843-1849	2	1
64	Surface-induced formation of stereogenic centers on gold nanoparticles through diastereoselective interfacial Henry reaction: an NMR investigation. *Gold Bulletin*, **2018**, 51, 65-74	1.6	0
63	Direct carboxylation of aromatic compounds using the sodium hydrogen carbonate/triphenylphosphine ditriflate system. *Comptes Rendus Chimie*, **2018**, 21, 27-31	2.7	
62	Synthesis of Substituted Phenols via Hydroxylation of Arenes Using Hydrogen Peroxide in the Presence of Hexaphenyloxodiphosphonium Triflate. *Letters in Organic Chemistry*, **2018**, 15, 878-882	0.6	0

61	Supported 4-carboxybenzyl sulfamic acid on magnetic nanoparticles as a recoverable and recyclable catalyst for synthesis of 3,4,5-trisubstituted furan-2(5H)-one derivatives. *Journal of Organometallic Chemistry*, **2018**, 870, 58-67	2.3	8
60	Graphene oxide/Fe3O4/SO3H nanohybrid: a new adsorbent for adsorption and reduction of Cr(VI) from aqueous solutions. *RSC Advances*, **2017**, 7, 14876-14887	3.7	47
59	Simple Formylation of Aromatic Compounds Using a Sodium Formate/Triphenylphosphine Ditriflate System. *Chemistry Letters*, **2017**, 46, 840-843	1.7	2
58	Biosynthesis of spherical and highly stable gold nanoparticles usingFerulago Angulataaqueous extract: dual role of extract. *Materials Research Express*, **2017**, 4, 035029	1.7	4
57	Ultrasound-assisted oxidative-adsorptive desulfurization using highly acidic graphene oxide as a catalyst-adsorbent. *Fuel*, **2017**, 210, 639-645	7.1	44
56	Highly carboxyl-decorated graphene oxide sheets as metal-free catalytic system for chemoselective oxidation of sulfides to sulfones. *Materials Chemistry and Physics*, **2017**, 201, 323-330	4.4	17
55	Oxidative desulfurization of model oil in an organic biphasic system catalysed by Fe3O4@SiO2Ionic liquid. *RSC Advances*, **2017**, 7, 34972-34983	3.7	15
54	Modification on the Surface of Gold Nanoparticles with Imine Formation and Cycloaddition Reaction. *Current Organic Chemistry*, **2017**, 21,	1.7	1
53	In-situ generated palladium seeds lead to single-step bioinspired growth of AuPd bimetallic nanoparticles with catalytic performance. *Materials Chemistry and Physics*, **2016**, 183, 356-365	4.4	5
52	An interesting spectroscopic method for chromofluorogenic detection of cyanide ion in aqueous solution: Disruption of intramolecular charge transfer (ICT). *Journal of Chemical Sciences*, **2016**, 128, 537-543	1.8	13
51	Biostabilised icosahedral gold nanoparticles: synthesis, cyclic voltammetric studies and catalytic activity towards 4-nitrophenol reduction. *Journal of Experimental Nanoscience*, **2016**, 11, 518-530	1.9	15
50	Colorimetric and visual detection of silver(I) using gold nanoparticles modified with furfuryl alcohol. *Mikrochimica Acta*, **2016**, 183, 1995-2003	5.8	16
49	UV-Visible Spectroscopy Detection of Iron(III) Ion on Modified Gold Nanoparticles With a Hydroxamic Acid. *Journal of Applied Spectroscopy*, **2016**, 83, 687-693	0.7	9
48	Cost-effective electrosynthesis of a series of edaravones through an electrochemical-assisted domino heteroannulation and paired electrochemical process. *Journal of the Iranian Chemical Society*, **2015**, 12, 2233-2243	2	2
47	Chemo and regioselective serendipitous electrochemically initiated spirocyclization of caffeic acid esters with barbituric acid derivatives. *Electrochimica Acta*, **2015**, 178, 533-540	6.7	7
46	Polyethersulfone membrane enhanced with iron oxide nanoparticles for copper removal from water: Application of new functionalized Fe3O4 nanoparticles. *Chemical Engineering Journal*, **2015**, 263, 101-112	14.7	179
45	Electro-generated ortho-quinoide intermediates: templates for feasible construction of a series of novel imidazo[2,1-b]thiazole derivatives through one-pot five-step domino hetero-annulation process. *Research on Chemical Intermediates*, **2015**, 41, 6185-6197	2.8	3
44	Naked-eye colorimetric detection of Cu2+ and Ag+ ions based on close-packed aggregation of pyridines-functionalized gold nanoparticles. *Sensors and Actuators B: Chemical*, **2014**, 190, 782-791	8.5	52

43	Direct electrosynthesis of a series of novel caffeic acid analogues through a clean and serendipitous domino oxidation/thia-Michael reaction. *RSC Advances*, **2014**, 4, 20781	3.7	9
42	Characteristics Study on Biosynthesized Au Nanoparticles Supported onto Cross-Linked Chitosan Beads. *Journal of Applied Sciences*, **2014**, 14, 2843-2848	0.3	4
41	A biguanide/Pd-decorated SBA-15 hybrid nanocomposite: Synthesis, characterization and catalytic application. *Journal of Molecular Catalysis A*, **2013**, 372, 167-174		23
40	pH-regulated release of dopamine from well-ordered self-assembled monolayers: electrochemical studies. *Materials Science and Engineering C*, **2013**, 33, 5095-9	8.3	6
39	Simple optical determination of silver ion in aqueous solutions using benzo crown-ether modified gold nanoparticles. *Mikrochimica Acta*, **2013**, 180, 287-294	5.8	33
38	Highly efficient phosphine-free Suzuki aryl couplings mediated by an in situ generated Pd(OAc)2/metformin complex in green media. *Tetrahedron Letters*, **2013**, 54, 291-294	2	25
37	An Efficient, One-Pot, Green Synthesis of Tetracyclic Imidazo[2,1-b]Thiazoles via Electrochemically Induced Tandem Heteroannulation Reactions. *Journal of Heterocyclic Chemistry*, **2013**, 50, 23-28	1.9	10
36	Biguanide/Pd(OAc)2 immobilized on magnetic nanoparticle as a recyclable catalyst for the heterogeneous Suzuki reaction in aqueous media. *Catalysis Communications*, **2013**, 32, 86-91	3.2	68
35	Electrochemical behaviors of novel electroactive Au nanoparticles protected by self-assembled monolayers. *Journal of the Iranian Chemical Society*, **2013**, 10, 333-338	2	7
34	Fabrication of cellulose acetate/sodium dodecyl sulfate nanofiltration membrane: Characterization and performance in rejection of pesticides. *Desalination*, **2012**, 290, 99-106	10.3	67
33	Separation of nitrophenols using cellulose acetate nanofiltration membrane: Influence of surfactant additives. *Separation and Purification Technology*, **2012**, 85, 147-156	8.3	38
32	The successful synthesis of biguanide-functionalized mesoporous silica catalysts: Excellent reactivity combined with facile catalyst recyclability. *Microporous and Mesoporous Materials*, **2012**, 159, 9-16	5.3	36
31	Effect of fatty acids on the structure and performance of cellulose acetate nanofiltration membranes in retention of nitroaromatic pesticides. *Desalination*, **2012**, 301, 26-41	10.3	22
30	Fabrication and modification of polysulfone nanofiltration membrane using organic acids: Morphology, characterization and performance in removal of xenobiotics. *Separation and Purification Technology*, **2012**, 96, 214-228	8.3	71
29	Supported Palladium Catalysis Using a Biguanide N-Donor Motif on Mesoporous Silica for Suzuki-Miyaura Coupling Reaction. *Advanced Materials Research*, **2012**, 622-623, 757-761	0.5	0
28	The First Report on Chemoselective Biguanide-Catalyzed Henry Reaction under Neat Conditions. *Bulletin of the Korean Chemical Society*, **2012**, 33, 3640-3644	1.2	10
27	Biguanide-Functionalized Fe3O4/SiO2Magnetic Nanoparticles: An Efficient Heterogeneous Organosuperbase Catalyst for Various Organic Transformations in Aqueous Media. *Bulletin of the Korean Chemical Society*, **2012**, 33, 2546-2552	1.2	88
26	Catecholthioether derivatives: preliminary study of in-vitro antimicrobial and antioxidant activities. *Chemical and Pharmaceutical Bulletin*, **2011**, 59, 1149-52	1.9	17

25	Preparation, characterization and performance of polyethersulfone/organically modified montmorillonite nanocomposite membranes in removal of pesticides. *Journal of Membrane Science*, **2011**, 382, 135-147	9.6	116
24	Influence of photo-induced superhydrophilicity of titanium dioxide nanoparticles on the anti-fouling performance of ultrafiltration membranes. *Applied Surface Science*, **2011**, 257, 6175-6180	6.7	66
23	Montmorillonite K-10 Clay as an Efficient Reusable Heterogeneous Catalyst for the Solvent-Free Microwave Mediated Synthesis of 5-Substituted 1H-Tetrazoles. *Bulletin of the Korean Chemical Society*, **2011**, 32, 4001-4004	1.2	35
22	Ambiphilic dual activation role of a task-specific ionic liquid: 2-hydroxyethylammonium formate as a recyclable promoter and medium for the green synthesis of β-nitrostyrenes. *Journal of Organic Chemistry*, **2010**, 75, 8295-8	4.2	35
21	Rapid and selective lead (II) colorimetric sensor based on azacrown ether-functionalized gold nanoparticles. *Nanotechnology*, **2010**, 21, 315503	3.4	53
20	A solvent-free protocol for the green synthesis of arylalkylidene rhodanines in a task-specific ionic liquid. *Canadian Journal of Chemistry*, **2010**, 88, 514-518	0.9	15
19	Green and diasteroselective oxidative cyclization of bisnaphthols to spirans. *Journal of the Iranian Chemical Society*, **2010**, 7, 351-358	2	6
18	Maleimide-modified phosphonium ionic liquids: a template towards (multi)task-specific ionic liquids. *Chemistry - A European Journal*, **2010**, 16, 9068-75	4.8	20
17	Ultrafiltration behavior of nitrophenols in the presence of humic substances. *Journal of Membrane Science*, **2009**, 331, 126-136	9.6	7
16	Electrochemical DNA nano-biosensor for the study of spermidine-DNA interaction. *Journal of Pharmaceutical and Biomedical Analysis*, **2009**, 49, 587-93	3.5	35
15	Remarkable high-yielding chemical modification of gold nanoparticles using uncatalyzed click-type 1,3-dipolar cycloaddition chemistry and hyperbaric conditions. *Canadian Journal of Chemistry*, **2009**, 87, 1708-1715	0.9	8
14	Polyfunctional tetrazolic thioethers through electrooxidative/Michael-type sequential reactions of 1,2- and 1,4-dihydroxybenzenes with 1-phenyl-5-mercaptotetrazole. *Journal of Organic Chemistry*, **2008**, 73, 2527-32	4.2	42
13	Electrochemical synthesis of 4-(dihydroxyphenylthio)-2H-chromen-2-one derivatives. *Chemical and Pharmaceutical Bulletin*, **2008**, 56, 1562-6	1.9	8
12	Electrochemical studies of DNA immobilization onto the azide-terminated monolayers and its interaction with taxol. *Analytical Biochemistry*, **2008**, 375, 331-8	3.1	36
11	Tf2O as a rapid and efficient promoter for the dehydrative Friedel–Crafts acylation of aromatic compounds with carboxylic acids. *Tetrahedron Letters*, **2007**, 48, 4199-4202	2	35
10	Rapid and mild sulfonylation of aromatic compounds with sulfonic acids via mixed anhydrides using Tf2O. *Tetrahedron Letters*, **2007**, 48, 6805-6808	2	24
9	Self-assembled monolayers of a hydroquinone-terminated alkanethiol onto gold surface. Interfacial electrochemistry and Michael-addition reaction with glutathione. *Journal of Electroanalytical Chemistry*, **2007**, 610, 218-226	4.1	26
8	Domino Oxidation-Michael Reactions of Catechols with Barbituric Acid Derivatives in Water: An Efficient Synthesis of Polycyclic Pyrimidinones. *Synthesis*, **2007**, 2007, 1513-1516	2.9	11

7	Silica Sulfuric Acid as an Efficient Solid Acid Catalyst for Friedel-Crafts Acylation Using Anhydrides. *Bulletin of the Korean Chemical Society*, **2007**, 28, 1854-1856	1.2	8
6	Diaryl Sulfones Through Oxidative Coupling of Catechols and Arylsulfinic Acids. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2006**, 181, 1391-1396	1	8
5	Monolayer-protected gold nanoparticle coalescence induced by photogenerated radicals. *Langmuir* , **2005**, 21, 9741-6	4	26
4	An efficient conversion of catechols into 6H-benzofuro[3,2-c][1]-benzopyran-6-one derivatives. *Journal of Heterocyclic Chemistry*, **2005**, 42, 289-292	1.9	17
3	OXIDATIVE COUPLING OF IN-SITU GENERATED o-BENZOQUINONES WITH 4-HYDROXY-6-METHYL-2-PYRONE. *Heterocyclic Communications*, **2005**, 11,	1.7	7
2	Preparation of Arylthiocyanates Using N,N?-Dibromo-N,N?-bis(2,5-dimethylbenzenesulphonyl) ethylenediamine and N,NDibromo-2,5-dimethylbenzenesulphonamide in the Presence of KSCN as a Novel Thiocyanating Reagent. *Molecules*, **2001**, 6, 253-257	4.8	21
1	Fabrication of pH-sensitive chitosan/layered double hydroxide (LDH)/Fe3O4 nanocomposite hydrogel beads for controlled release of diclofenac. *Polymer Bulletin*,1	2.4	6