

# Abdolhamid Alizadeh

## List of Publications by Citations

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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	Polyethersulfone membrane enhanced with iron oxide nanoparticles for copper removal from water: Application of new functionalized Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Chemical Engineering Journal</i> , <b>2015</b> , 263, 101-112	14.7	179
77	Removal of dye and heavy metal ion using a novel synthetic polyethersulfone nanofiltration membrane modified by magnetic graphene oxide/metformin hybrid. <i>Journal of Membrane Science</i> , <b>2018</b> , 552, 326-335	9.6	145
76	Preparation, characterization and performance of polyethersulfone/organically modified montmorillonite nanocomposite membranes in removal of pesticides. <i>Journal of Membrane Science</i> , <b>2011</b> , 382, 135-147	9.6	116
75	Biguanide-Functionalized Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> Magnetic Nanoparticles: An Efficient Heterogeneous Organosuperbase Catalyst for Various Organic Transformations in Aqueous Media. <i>Bulletin of the Korean Chemical Society</i> , <b>2012</b> , 33, 2546-2552	1.2	88
74	Fabrication and modification of polysulfone nanofiltration membrane using organic acids: Morphology, characterization and performance in removal of xenobiotics. <i>Separation and Purification Technology</i> , <b>2012</b> , 96, 214-228	8.3	71
73	Biguanide/Pd(OAc) <sub>2</sub> immobilized on magnetic nanoparticle as a recyclable catalyst for the heterogeneous Suzuki reaction in aqueous media. <i>Catalysis Communications</i> , <b>2013</b> , 32, 86-91	3.2	68
72	Fabrication of cellulose acetate/sodium dodecyl sulfate nanofiltration membrane: Characterization and performance in rejection of pesticides. <i>Desalination</i> , <b>2012</b> , 290, 99-106	10.3	67
71	Influence of photo-induced superhydrophilicity of titanium dioxide nanoparticles on the anti-fouling performance of ultrafiltration membranes. <i>Applied Surface Science</i> , <b>2011</b> , 257, 6175-6180	6.7	66
70	Rapid and selective lead (II) colorimetric sensor based on azacrown ether-functionalized gold nanoparticles. <i>Nanotechnology</i> , <b>2010</b> , 21, 315503	3.4	53
69	Naked-eye colorimetric detection of Cu <sup>2+</sup> and Ag <sup>+</sup> ions based on close-packed aggregation of pyridines-functionalized gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 190, 782-791	8.5	52
68	Graphene oxide/Fe <sub>3</sub> O <sub>4</sub> /SO <sub>3</sub> H nano hybrid: a new adsorbent for adsorption and reduction of Cr(VI) from aqueous solutions. <i>RSC Advances</i> , <b>2017</b> , 7, 14876-14887	3.7	47
67	Ultrasound-assisted oxidative-adsorptive desulfurization using highly acidic graphene oxide as a catalyst-adsorbent. <i>Fuel</i> , <b>2017</b> , 210, 639-645	7.1	44
66	Polyfunctional tetrazolic thioethers through electrooxidative/Michael-type sequential reactions of 1,2- and 1,4-dihydroxybenzenes with 1-phenyl-5-mercaptotetrazole. <i>Journal of Organic Chemistry</i> , <b>2008</b> , 73, 2527-32	4.2	42
65	Separation of nitrophenols using cellulose acetate nanofiltration membrane: Influence of surfactant additives. <i>Separation and Purification Technology</i> , <b>2012</b> , 85, 147-156	8.3	38
64	Polyamine-modified magnetic graphene oxide surface: Feasible adsorbent for removal of dyes. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 289, 111118	6	36
63	The successful synthesis of biguanide-functionalized mesoporous silica catalysts: Excellent reactivity combined with facile catalyst recyclability. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 159, 9-16	5.3	36
62	Electrochemical studies of DNA immobilization onto the azide-terminated monolayers and its interaction with taxol. <i>Analytical Biochemistry</i> , <b>2008</b> , 375, 331-8	3.1	36

61	Ambiphilic dual activation role of a task-specific ionic liquid: 2-hydroxyethylammonium formate as a recyclable promoter and medium for the green synthesis of Ehitrostyrenes. <i>Journal of Organic Chemistry</i> , <b>2010</b> , 75, 8295-8	4.2	35
60	Electrochemical DNA nano-biosensor for the study of spermidine-DNA interaction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2009</b> , 49, 587-93	3.5	35
59	Tf2O as a rapid and efficient promoter for the dehydrative Friedel-Crafts acylation of aromatic compounds with carboxylic acids. <i>Tetrahedron Letters</i> , <b>2007</b> , 48, 4199-4202	2	35
58	Montmorillonite K-10 Clay as an Efficient Reusable Heterogeneous Catalyst for the Solvent-Free Microwave Mediated Synthesis of 5-Substituted 1H-Tetrazoles. <i>Bulletin of the Korean Chemical Society</i> , <b>2011</b> , 32, 4001-4004	1.2	35
57	Simple optical determination of silver ion in aqueous solutions using benzo crown-ether modified gold nanoparticles. <i>Mikrochimica Acta</i> , <b>2013</b> , 180, 287-294	5.8	33
56	Self-assembled monolayers of a hydroquinone-terminated alkanethiol onto gold surface. Interfacial electrochemistry and Michael-addition reaction with glutathione. <i>Journal of Electroanalytical Chemistry</i> , <b>2007</b> , 610, 218-226	4.1	26
55	Monolayer-protected gold nanoparticle coalescence induced by photogenerated radicals. <i>Langmuir</i> , <b>2005</b> , 21, 9741-6	4	26
54	Highly efficient phosphine-free Suzuki aryl couplings mediated by an in situ generated Pd(OAc) <sub>2</sub> /metformin complex in green media. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 291-294	2	25
53	Rapid and mild sulfonylation of aromatic compounds with sulfonic acids via mixed anhydrides using Tf2O. <i>Tetrahedron Letters</i> , <b>2007</b> , 48, 6805-6808	2	24
52	A biguanide/Pd-decorated SBA-15 hybrid nanocomposite: Synthesis, characterization and catalytic application. <i>Journal of Molecular Catalysis A</i> , <b>2013</b> , 372, 167-174		23
51	Effect of fatty acids on the structure and performance of cellulose acetate nanofiltration membranes in retention of nitroaromatic pesticides. <i>Desalination</i> , <b>2012</b> , 301, 26-41	10.3	22
50	Preparation of Arylthiocyanates Using N,N'-Dibromo-N,N'-bis(2,5-dimethylbenzenesulphonyl) ethylenediamine and N,N-Dibromo-2,5-dimethylbenzenesulphonamide in the Presence of KSCN as a Novel Thiocyanating Reagent. <i>Molecules</i> , <b>2001</b> , 6, 253-257	4.8	21
49	Maleimide-modified phosphonium ionic liquids: a template towards (multi)task-specific ionic liquids. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 9068-75	4.8	20
48	Highly carboxyl-decorated graphene oxide sheets as metal-free catalytic system for chemoselective oxidation of sulfides to sulfones. <i>Materials Chemistry and Physics</i> , <b>2017</b> , 201, 323-330	4.4	17
47	Catecholthioether derivatives: preliminary study of in-vitro antimicrobial and antioxidant activities. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2011</b> , 59, 1149-52	1.9	17
46	An efficient conversion of catechols into 6H-benzofuro[3,2-c][1]-benzopyran-6-one derivatives. <i>Journal of Heterocyclic Chemistry</i> , <b>2005</b> , 42, 289-292	1.9	17
45	Colorimetric and visual detection of silver(I) using gold nanoparticles modified with furfuryl alcohol. <i>Mikrochimica Acta</i> , <b>2016</b> , 183, 1995-2003	5.8	16
44	Biostabilised icosahedral gold nanoparticles: synthesis, cyclic voltammetric studies and catalytic activity towards 4-nitrophenol reduction. <i>Journal of Experimental Nanoscience</i> , <b>2016</b> , 11, 518-530	1.9	15

43	Oxidative desulfurization of model oil in an organic biphasic system catalysed by Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> in ionic liquid. <i>RSC Advances</i> , <b>2017</b> , 7, 34972-34983	3.7	15
42	A solvent-free protocol for the green synthesis of arylalkylidene rhodanines in a task-specific ionic liquid. <i>Canadian Journal of Chemistry</i> , <b>2010</b> , 88, 514-518	0.9	15
41	Preparation and characterization of isatin complexed with Cu supported on 4-(aminomethyl) benzoic acid-functionalized Fe <sub>3</sub> O <sub>4</sub> nanoparticles as a novel magnetic catalyst for the Ullmann coupling reaction. <i>Research on Chemical Intermediates</i> , <b>2019</b> , 45, 2727-2747	2.8	13
40	An interesting spectroscopic method for chromofluorogenic detection of cyanide ion in aqueous solution: Disruption of intramolecular charge transfer (ICT). <i>Journal of Chemical Sciences</i> , <b>2016</b> , 128, 537-543	1.8	13
39	Ionic liquid-decorated Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> nanocomposite coated on talc sheets: An efficient adsorbent for methylene blue in aqueous solution. <i>Inorganic Chemistry Communication</i> , <b>2020</b> , 121, 108204	3.1	12
38	Domino Oxidation-Michael Reactions of Catechols with Barbituric Acid Derivatives in Water: An Efficient Synthesis of Polycyclic Pyrimidinones. <i>Synthesis</i> , <b>2007</b> , 2007, 1513-1516	2.9	11
37	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. <i>Journal of the Iranian Chemical Society</i> , <b>2018</b> , 15, 753-768	2	10
36	An Efficient, One-Pot, Green Synthesis of Tetracyclic Imidazo[2,1-b]Thiazoles via Electrochemically Induced Tandem Heteroannulation Reactions. <i>Journal of Heterocyclic Chemistry</i> , <b>2013</b> , 50, 23-28	1.9	10
35	The First Report on Chemoselective Biguanide-Catalyzed Henry Reaction under Neat Conditions. <i>Bulletin of the Korean Chemical Society</i> , <b>2012</b> , 33, 3640-3644	1.2	10
34	Direct electrosynthesis of a series of novel caffeic acid analogues through a clean and serendipitous domino oxidation/thia-Michael reaction. <i>RSC Advances</i> , <b>2014</b> , 4, 20781	3.7	9
33	UV-Visible Spectroscopy Detection of Iron(III) Ion on Modified Gold Nanoparticles With a Hydroxamic Acid. <i>Journal of Applied Spectroscopy</i> , <b>2016</b> , 83, 687-693	0.7	9
32	Remarkable high-yielding chemical modification of gold nanoparticles using uncatalyzed click-type 1,3-dipolar cycloaddition chemistry and hyperbaric conditions. <i>Canadian Journal of Chemistry</i> , <b>2009</b> , 87, 1708-1715	0.9	8
31	Electrochemical synthesis of 4-(dihydroxyphenylthio)-2H-chromen-2-one derivatives. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2008</b> , 56, 1562-6	1.9	8
30	Diaryl Sulfones Through Oxidative Coupling of Catechols and Arylsulfinic Acids. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2006</b> , 181, 1391-1396	1	8
29	Silica Sulfuric Acid as an Efficient Solid Acid Catalyst for Friedel-Crafts Acylation Using Anhydrides. <i>Bulletin of the Korean Chemical Society</i> , <b>2007</b> , 28, 1854-1856	1.2	8
28	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. <i>Research on Chemical Intermediates</i> , <b>2020</b> , 46, 1033-1045	2.8	8
27	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. <i>Journal of Organometallic Chemistry</i> , <b>2018</b> , 870, 58-67	2.3	8
26	Chemo and regioselective serendipitous electrochemically initiated spirocyclization of caffeic acid esters with barbituric acid derivatives. <i>Electrochimica Acta</i> , <b>2015</b> , 178, 533-540	6.7	7

25	Electrochemical behaviors of novel electroactive Au nanoparticles protected by self-assembled monolayers. <i>Journal of the Iranian Chemical Society</i> , <b>2013</b> , 10, 333-338	2	7
24	Ultrafiltration behavior of nitrophenols in the presence of humic substances. <i>Journal of Membrane Science</i> , <b>2009</b> , 331, 126-136	9.6	7
23	OXIDATIVE COUPLING OF IN-SITU GENERATED o-BENZOQUINONES WITH 4-HYDROXY-6-METHYL-2-PYRONE. <i>Heterocyclic Communications</i> , <b>2005</b> , 11,	1.7	7
22	Nanocomposite of magnetic nanoparticles/graphene oxide decorated with acetic acid moieties on glassy carbon electrode: A facile method to detect nitrite concentration. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 847, 113239	4.1	6
21	pH-regulated release of dopamine from well-ordered self-assembled monolayers: electrochemical studies. <i>Materials Science and Engineering C</i> , <b>2013</b> , 33, 5095-9	8.3	6
20	Green and diastereoselective oxidative cyclization of bisnaphthols to spirans. <i>Journal of the Iranian Chemical Society</i> , <b>2010</b> , 7, 351-358	2	6
19	One-pot synthesis of magnetic chitosan/iron oxide bio-nanocomposite hydrogel beads as drug delivery systems. <i>Soft Materials</i> , <b>2020</b> , 1-9	1.7	6
18	Fabrication of pH-sensitive chitosan/layered double hydroxide (LDH)/Fe <sub>3</sub> O <sub>4</sub> nanocomposite hydrogel beads for controlled release of diclofenac. <i>Polymer Bulletin</i> , 1	2.4	6
17	In-situ generated palladium seeds lead to single-step bioinspired growth of AuPd bimetallic nanoparticles with catalytic performance. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 183, 356-365	4.4	5
16	Biosynthesis of spherical and highly stable gold nanoparticles using <i>Ferulago Angulata</i> aqueous extract: dual role of extract. <i>Materials Research Express</i> , <b>2017</b> , 4, 035029	1.7	4
15	Characteristics Study on Biosynthesized Au Nanoparticles Supported onto Cross-Linked Chitosan Beads. <i>Journal of Applied Sciences</i> , <b>2014</b> , 14, 2843-2848	0.3	4
14	Electro-generated ortho-quinone 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. <i>Research on Chemical Intermediates</i> , <b>2015</b> , 41, 6185-6197	2.8	3
13	Metalloporphyrin/dendrimer-decorated MCM-41 biomimetic hybrid catalysts: high stability combined with facile catalyst recyclability. <i>Journal of Porous Materials</i> , <b>2018</b> , 25, 1813-1823	2.4	3
12	Green and Fast Synthesis of 2-Arylidene-indan-1,3-diones Using a Task-Specific Ionic Liquid. <i>ACS Omega</i> , <b>2020</b> , 5, 28632-28636	3.9	3
11	Simple Formylation of Aromatic Compounds Using a Sodium Formate/Triphenylphosphine Ditriflate System. <i>Chemistry Letters</i> , <b>2017</b> , 46, 840-843	1.7	2
10	Cost-effective electrosynthesis of a series of edaravones through an electrochemical-assisted domino heteroannulation and paired electrochemical process. <i>Journal of the Iranian Chemical Society</i> , <b>2015</b> , 12, 2233-2243	2	2
9	A mild and efficient H <sub>2</sub> O <sub>2</sub> oxygenation of N-heteroaromatic compounds to the amine N-oxides and KI deoxygenation back to the tertiary amine with hexaphenyloxodiphosphonium triflate. <i>Journal of the Iranian Chemical Society</i> , <b>2018</b> , 15, 1843-1849	2	1
8	Modification on the Surface of Gold Nanoparticles with Imine Formation and Cycloaddition Reaction. <i>Current Organic Chemistry</i> , <b>2017</b> , 21,	1.7	1

7	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. <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 34, e5262	3.1	1
6	Developments in Synthesis and Potential Electronic and Magnetic Applications of Pristine and Doped Graphynes. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	1
5	Surface-induced formation of stereogenic centers on gold nanoparticles through diastereoselective interfacial Henry reaction: an NMR investigation. <i>Gold Bulletin</i> , <b>2018</b> , 51, 65-74	1.6	0
4	Supported Palladium Catalysis Using a Biguanide N-Donor Motif on Mesoporous Silica for Suzuki-Miyaura Coupling Reaction. <i>Advanced Materials Research</i> , <b>2012</b> , 622-623, 757-761	0.5	0
3	Efficient conjugation of anti-HBsAg antibody to modified core-shell magnetic nanoparticles (FeO@SiO <sub>2</sub> /NH <sub>2</sub> ). <i>BioImpacts</i> , <b>2021</b> , 11, 237-244	3.5	0
2	Synthesis of Substituted Phenols via Hydroxylation of Arenes Using Hydrogen Peroxide in the Presence of Hexaphenyloxodiphosphonium Triflate. <i>Letters in Organic Chemistry</i> , <b>2018</b> , 15, 878-882	0.6	0
1	Direct carboxylation of aromatic compounds using the sodium hydrogen carbonate/triphenylphosphine ditriflate system. <i>Comptes Rendus Chimie</i> , <b>2018</b> , 21, 27-31	2.7	