Kiumars Bahrami

List of Publications by Year
in descending order

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		186265	175258
101	3,087	28	52
papers	citations	h-index	g-index

139	139	139	2864
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mild and Highly Efficient Method for the Synthesis of 2-Arylbenzimidazoles and 2-Arylbenzothiazoles. Journal of Organic Chemistry, 2008, 73, 6835-6837.	3.2	408
2	Synthesis of 1,2-disubstituted benzimidazoles, 2-substituted benzimidazoles and 2-substituted benzothiazoles in SDS micelles. Green Chemistry, 2010, 12, 1237.	9.0	203
3	A Simple and Efficient One-Pot Synthesis of 2-Substituted Benzimidazoles. Synthesis, 2007, 2007, 547-550.	2.3	165
4	TAPC-Promoted Oxidation of Sulfides and Deoxygenation of Sulfoxides. Journal of Organic Chemistry, 2010, 75, 6208-6213.	3.2	139
5	Boehmite nanoparticles as versatile support for organicâ€“inorganic hybrid materials: Synthesis, functionalization, and applications in eco-friendly catalysis. Journal of Industrial and Engineering Chemistry, 2021, 97, 1-78.	5.8	127
6	Direct Conversion of Thiols to Sulfonyl Chlorides and Sulfonamides. Journal of Organic Chemistry, 2009, 74, 9287-9291.	3.2	124
7	Selective oxidation of sulfides to sulfoxides and sulfones using hydrogen peroxide (H2O2) in the presence of zirconium tetrachloride. Tetrahedron Letters, 2006, 47, 2009-2012.	1.4	118
8	H2O2/Fe(NO3)3-Promoted Synthesis of 2-Arylbenzimidazoles and 2-Arylbenzothiazoles. Synlett, 2009, 2009, 569-572.	1.8	61
9	Synthesis of sulfonyl chlorides and thiosulfonates from H2O2â€“TiCl4. Tetrahedron Letters, 2012, 53, 354-358.	1.4	61
10	SBA-15-Prâ€“SO3H as nanoreactor catalyzed oxidation of sulfides into sulfoxides. Catalysis Science and Technology, 2011, 1, 389.	4.1	56
11	The preparation and characterization of boehmite nanoparticles-TAPC: a tailored and reusable nanocatalyst for the synthesis of 12-aryl-8,9,10,12-tetrahydrobenzo[a]xanthen-11-ones. New Journal of Chemistry, 2014, 38, 5515-5520.	2.8	52
12	The efficient and chemoselective MoO3-catalyzed oxidation of sulfides to sulfoxides and sulfones with H2O2. Canadian Journal of Chemistry, 2007, 85, 7-11.	1.1	48
13	Mild and Efficient Deoxygenation of Sulfoxides to Sulfides with Triflic Anhydride/Potassium Iodide Reagent System. Synthesis, 2008, 2008, 2543-2546.	2.3	43
14	Highly selective catalytic Friedelâ€“Crafts sulfonylation of aromatic compounds using a FeCl3-based ionic liquid. Tetrahedron Letters, 2008, 49, 3931-3934.	1.4	42
15	Amberlite IRA-400 (OH^{â^’}) as a Catalyst in the Preparation of 4H-Benzo[b]pyrans in Aqueous Media. Synthetic Communications, 2010, 40, 1492-1499.	2.1	41
16	Synthesis of sulfonamides and sulfonic esters via reaction of amines and phenols with thiols using H2O2â€“POCl3 system. Tetrahedron, 2012, 68, 5095-5101.	1.9	41
17	A Novel Method for the Deoxygenation of Sulfoxides with the PPh3/Br2/CuBr System. Chemistry Letters, 2007, 36, 1324-1325.	1.3	40
18	pâ€TSA Catalyzed Synthesis of 2,4,5â€Triarylimidazoles from Ammonium Heptamolybdate Tetrahydrate in TBAI. Journal of the Chinese Chemical Society, 2007, 54, 829-833.	1.4	40

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19	Direct conversion of thiols and disulfides into sulfonamides. Tetrahedron Letters, 2010, 51, 4843-4846.	1.4	40
20	Copper immobilized ferromagnetic nanoparticle triazine dendrimer (FMNP@TDâ€“Cu(<scp>ii</scp>))-catalyzed regioselective synthesis of 1,4-disubstituted 1,2,3-triazoles. New Journal of Chemistry, 2016, 40, 3447-3455.	2.8	40
21	Synthesis, characterization and application of graphene palladium porphyrin as a nanocatalyst for the coupling reactions such as: Suzukiâ€Miyaura and Mizorokiâ€Heck. Applied Organometallic Chemistry, 2018, 32, e4102.	3.5	38
22	One-pot synthesis of 1,2,4,5-tetrasubstituted and 2,4,5-trisubstituted imidazoles by zinc oxide as efficient and reusable catalyst. Monatshefte FÃ¼r Chemie, 2011, 142, 159-162.	1.8	36
23	Cyanuric chloride as promoter for the oxidation of sulfides and deoxygenation of sulfoxides. Tetrahedron Letters, 2011, 52, 6420-6423.	1.4	33
24	A Novel, Practical Synthesis of Sulfonyl Chlorides from Thiol and Disulfide Derivatives. Synlett, 2009, 2009, 2773-2776.	1.8	32
25	Energy recovery and hygienic water production from wastewater using an innovative integrated microbial fuel cellâ€“membrane separation process. Energy, 2017, 141, 1350-1362.	8.8	32
26	TMSCl-promoted selective oxidation of sulfides to sulfoxides with hydrogen peroxide. Tetrahedron Letters, 2010, 51, 6939-6941.	1.4	31
27	Palladium Nanoparticles Immobilized with Polymer Containing Nitrogen-Based Ligand: A Highly Efficient Catalyst for Suzukiâ€“Miyaura and Mizorokiâ€“Heck Coupling Reactions. Catalysis Letters, 2020, 150, 660-673.	2.6	31
28	H2O2/Tf2O System: An Efficient Oxidizing Reagent for Selective Oxidation of Sulfanes. Synthesis, 2008, 2008, 1682-1684.	2.3	30
29	Design of BNPs-TAPC Palladium Complex as a Reusable Heterogeneous Nanocatalyst for the O-Arylation of Phenols and N-Arylation of Amines. Catalysis Letters, 2019, 149, 688-698.	2.6	30
30	Efficient one-pot synthetic methods for the preparation of 3,4-dihydropyrimidinones and 1,4-dihydropyridine derivatives using BNPs@SiO2(CH2)3NHSO3H as a ligand and metal free acidic heterogeneous nano-catalyst. Polyhedron, 2020, 178, 114340.	2.2	30
31	A review of the role of hydrogen peroxide in organic transformations. Journal of Industrial and Engineering Chemistry, 2021, 104, 295-332.	5.8	30
32	H2O2/SOCl2: a useful reagent system for the conversion of thiocarbonyls to carbonyl compounds. Tetrahedron, 2009, 65, 7658-7661.	1.9	28
33	Highly Efficient Solvent-Free Synthesis of Dihydropyrimidinones Catalyzed by Zinc Oxide. Synthetic Communications, 2009, 39, 1801-1808.	2.1	27
34	Oxidation of sulfides to sulfoxides with H₂O₂/HNO₃reagent system. Journal of Sulfur Chemistry, 2010, 31, 83-88.	2.0	26
35	Synthesis of a novel stabilized basic ionic liquid through immobilization on boehmite nanoparticles: A robust nanocatalyst for biodiesel production from soybean oil. Renewable Energy, 2019, 138, 70-78.	8.9	26
36	A new strategy to design a graphene oxide supported palladium complex as a new heterogeneous nanocatalyst and application in carbonâ€“carbon and carbonâ€heteroatom crossâ€coupling reactions. Applied Organometallic Chemistry, 2019, 33, e4842.	3.5	26

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37	H₂O₂/HCl as a new and efficient system for synthesis of 2-substituted benzimidazoles. Journal of Chemical Research, 2006, 2006, 783-784.	1.3	25
38	Preparation of esters and amides from carboxylic acids and N-formylation of amines promoted by 1,3,5-triazo-2,4,6-triphosphorine-2,2,4,4,6,6-hexachloride (TAPC). Tetrahedron Letters, 2013, 54, 5064-5068.	1.4	25
39	3-Carboxypyridinium chlorochromate Â– aluminium chloride Â— An efficient and inexpensive reagent system for the selective oxidation of sulfides to sulfoxides and sulfones in solution and under microwave irradiation. Canadian Journal of Chemistry, 2005, 83, 115-121.	1.1	23
40	Desulfurization of Thioamides into Amides with H₂O₂/ZrCl₄ Reagent System. Synthesis, 2009, 2009, 369-371.	2.3	22
41	Synthesis of polysubstituted pyridines via reactions of chalcones and malononitrile in alcohols using Amberlite IRA-400 (OHâ¯). Tetrahedron Letters, 2013, 54, 5293-5298.	1.4	22
42	Reusable BNPsâ€SiO₂@(CH₂)₃NHSO₃Hâ€catalysed selective oxidation of sulfides to sulfones. Applied Organometallic Chemistry, 2018, 32, e4553.	3.5	22
43	Mesoporous Titaniaâ€Alumina Mixed Oxide: A Heterogeneous Nanocatalyst for the Synthesis of 2â€Substituted Benzimidazoles, Benzothiazoles and Benzoxazoles. ChemistrySelect, 2018, 3, 10875-10880.	1.5	21
44	TAPC-Catalyzed Synthesis of Thioethers from Thiols and Alcohols. Synlett, 2011, 2011, 2206-2210.	1.8	20
45	TiO₂nanoparticles catalysed synthesis of 2-arylbenzimidazoles and 2-arylbenzothiazoles using hydrogen peroxide under ambient light. Journal of Experimental Nanoscience, 2016, 11, 148-160.	2.4	20
46	Ferromagnetic nanoparticleâ€supported copper complex: A highly efficient and reusable catalyst for threeâ€component syntheses of 1,4â€disubstituted 1,2,3â€triazoles and Câ€“S coupling of aryl halides. Applied Organometallic Chemistry, 2017, 31, e3714.	3.5	20
47	Fe₃O₄@BNPsâ€CPTMSâ€Chitosanâ€Pd(0) as an Efficient and Stable Heterogeneous Magnetic Nanocatalyst for the Chemoselective Oxidation of Alcohols and Homoselective Synthesis of 5â€Substituted 1Hâ€Tetrazoles. ChemistrySelect, 2019, 4, 8183-8194.	1.5	20
48	Synthesis of Sulfonyl Chlorides and Sulfonic Acids in SDS Micelles. Synthesis, 2012, 2012, 316-322.	2.3	19
49	Fe₃O₄@BNPs@SiO₂â€“SO₃H as a highly chemoselective heterogeneous magnetic nanocatalyst for the oxidation of sulfides to sulfoxides or sulfones. RSC Advances, 2019, 9, 36103-36112.	3.6	19
50	Efficient and Convenient Deprotection of Thiocarbonyl to Carbonyl Compounds Using 3-Carboxypyridinium and 2,2'-Bipyridinium Chlorochromates in Solution, Dry Media, and under Microwave Irradiation. Monatshefte FÃ¼r Chemie, 2004, 135, 411-418.	1.8	18
51	Manganese mediated oxidation of progesterone in alkaline medium: Mechanism study and quantitative determination. Electrochimica Acta, 2017, 225, 292-302.	5.2	18
52	Suzuki and Heck crossâ€coupling reactions using ferromagnetic nanoparticleâ€supported palladium complex as an efficient and recyclable heterogeneous nanocatalyst in sodium dodecylsulfate micelles. Applied Organometallic Chemistry, 2017, 31, e3627.	3.5	18
53	Preparation of Polydopamine Sulfamic Acid-Functionalized Silica Gel as Heterogeneous and Recyclable Nanocatalyst for Acetylation of Alcohols and Amines Under Solvent-Free Conditions. Catalysis Letters, 2018, 148, 2734-2745.	2.6	17
54	High yielding protocol for direct conversion of thiols to sulfonyl chlorides and sulfonamides. Journal of Sulfur Chemistry, 2019, 40, 256-264.	2.0	17

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55	Core/shell structured ZnO@SiO₂-TTIP composite nanoparticles as an effective catalyst for the synthesis of 2-substituted benzimidazoles and benzothiazoles. Journal of Experimental Nanoscience, 2018, 13, 272-283.	2.4	16
56	Highly efficient polymerâ€stabilized palladium heterogeneous catalyst: Synthesis, characterization and application for Suzukiâ€“Miyaura and Mizorokiâ€“Heck coupling reactions. Applied Organometallic Chemistry, 2019, 33, e5121.	3.5	16
57	Investigating the mixing sequence and the Si content in SAPO-34 synthesis for selective conversion of methanol to light olefins using morpholine &/ TEAOH templates. RSC Advances, 2016, 6, 17583-17594.	3.6	15
58	Transformation of Thiocarbonyls to Their Corresponding Carbonyl Compounds Using n-Butyltriphenylphosphonium Dichromate (BuⁿPPh₃)₂Cr₂O₇in Solution and under Microwave Irradiation. Bulletin of the Korean Chemical Society, 2003, 24, 1002-1004.	1.9	15
59	An increase in the cooperative catalytic performance of SBA-15 and TFE in selective oxidation of organic sulfides. Journal of Molecular Liquids, 2015, 207, 334-337.	4.9	14
60	Homoselective synthesis of 5â€substituted 1Hâ€tetrazoles and oneâ€pot synthesis of 2,4,5â€trisubstuted imidazole compounds using BNPs@SiO₂â€TPPTSA as a stable and new reusable nanocatalyst. Applied Organometallic Chemistry, 2021, 35, e6144.	3.5	14
61	An Efficient Method for Aromatic Friedelâ€“Crafts Acylation Reactions. Chemistry Letters, 2008, 37, 844-845.	1.3	12
62	Trimethylsilyl Chloride Promoted Selective Desulfurization of Thiocarbonyls to Carbonyls with Hydrogen Peroxide. Synthesis, 2010, 2010, 4282-4286.	2.3	12
63	TiCl₄-promoted desulfurization of thiocarbonyls and oxidation of sulfides in the presence of H₂O₂. Journal of Sulfur Chemistry, 2012, 33, 155-163.	2.0	12
64	SELECTIVE AND CONVENIENT OXIDATION OF THIOLS TO DISULFIDES USING n-BUTYLTRIPHENYLPHOSPHONIUM DICHROMATE (Bu n PPh3)2Cr2O7 IN SOLUTION, UNDER SOLVENT-FREE CONDITIONS AND MICROWAVE IRRADIATION. Phosphorus, Sulfur and Silicon and the Related Elements, 2004, 179, 2315-2321.	1.6	11
65	Selective Oxidation of Sulfides to Sulfoxides and Sulfones Usingn-Butyltriphenylphosphonium Dichromate (BunPPh3)2Cr2O7in the Presence of Aluminium Chloride in Solution and Under Microwave Irradiation. Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 2751-2766.	1.6	11
66	A novel approach towards dethioacetalization reactions with H2O2â€“SOCl2 system. Chinese Chemical Letters, 2012, 23, 81-85.	9.0	11
67	[BTBA]Cl-FeCl₃ as an Efficient Lewis Acid Ionic Liquid for the Synthesis of Perimidine Derivatives. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2016, 46, 852-856.	0.6	11
68	Synthesis of 5â€substituted 1Hâ€tetrazoles and oxidation of sulfides by using boehmite nanoparticles/nickelâ€curcumin as a robust and extremely efficient green nanocatalyst. Applied Organometallic Chemistry, 2020, 34, e6014.	3.5	11
69	Photoinduced Electron Transfer Reactions of Aryl Benzyl Sulfides Promoted by 2,4,6-Triphenylpyrilium Tetrafluoroborate (TP+BF4-). Bulletin of the Korean Chemical Society, 2006, 27, 106-110.	1.9	11
70	Selective and Efficient Oxidation of Aldehydes to Their Corresponding Carboxylic Acids Using H₂O₂/HCl in the Presence of Hydroxylamine Hydrochloride. Chinese Journal of Chemistry, 2008, 26, 1119-1121.	4.9	10
71	Copper(II) Oxide Nanoparticles Impregnated on Melamineâ€Modified UiOâ€66â€NH₂ Metalâ€“Organic Framework for Câ€“N Crossâ€Coupling Reaction and Synthesis of 2â€Substituted Benzimidazoles. Journal of Heterocyclic Chemistry, 2019, 56, 2853-2865.	2.6	10
72	BNPs@Cur-Pd as a versatile and recyclable green nanocatalyst for Suzuki, Heck and Stille coupling reactions. Journal of Experimental Nanoscience, 2020, 15, 182-201.	2.4	10

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73	POCl3as a catalytic activator for H2O2activation in selective sulfide oxidation. Journal of Sulfur Chemistry, 2009, 30, 581-584.	2.0	9
74	TAPC-Promoted Synthesis of Sulfonyl Chlorides from Sulfonic Acids. Synlett, 2011, 2011, 2671-2674.	1.8	9
75	Design, Synthesis, Characterization and Application of BNPs@SiO2(CH2)3NH-CC-AMP-Pd (0) as a New Reusable Nano-Catalyst for Suzuki and Heck Cross-Coupling Reactions. Catalysis Letters, 2020, 150, 1571-1590.	2.6	9
76	Transformation of Oximes and Alcohols to Carbonyl Compounds Using Amberlite IRAâ€400 Supported Chromic Acid in the Presence of Zirconium Tetrachloride. Chinese Journal of Chemistry, 2009, 27, 384-388.	4.9	7
77	Palladium Nanoparticles Doped on the Chitosan Nanofibers Modified with 2â€Aminobenzaldehyde as a Nanocatalyst in Crossâ€Coupling Reactions. ChemistrySelect, 2020, 5, 5489-5496.	1.5	7
78	ZrCl₄ as an Efficient Catalyst for Crossedâ€Aldol Condensation of Cyclic Ketones with Aromatic Aldehydes in Refluxing Ethanol. Journal of the Chinese Chemical Society, 2007, 54, 807-810.	1.4	6
79	An environmentally friendly electrochemical method for synthesis of pyrazole derivatives. Journal of Electroanalytical Chemistry, 2016, 760, 1-5.	3.8	6
80	Rapid and Convenient Method for the Synthesis of Symmetrical Disulfides. Phosphorus, Sulfur and Silicon and the Related Elements, 2013, 188, 981-988.	1.6	5
81	Ethane-1,2-Diaminium Hydrogen Sulfate: Recyclable Organocatalyst for One-Pot Synthesis of Î²-Amino Ketones by a Three-Component Mannich Reaction. Journal of Chemical Research, 2014, 38, 223-225.	1.3	5
82	SBA-15-Prâ€“SO3H: An efficient, environment friendly and recyclable heterogeneous nanoreactor catalyst for the one-pot multicomponent synthesis of Î²-acetamido ketones. Journal of Chemical Sciences, 2015, 127, 167-172.	1.5	5
83	Sodium Azide as a Catalyst for the Hydration of Nitriles to Primary Amides in Water. Journal of Chemical Research, 2015, 39, 267-269.	1.3	5
84	A Practical Method for the Preparation of Sulfonyl Chlorides and Sulfonamides from Thiols using H 2 O 2 â€TAPC Reagent System. ChemistrySelect, 2019, 4, 8554-8557.	1.5	5
85	Role of L-cysteine and CdS as promoted agents in photocatalytic activity of TiO2 nanoparticles. Journal of Environmental Chemical Engineering, 2019, 7, 103454.	6.7	5
86	Mesoporous titaniaâ€“ceria mixed oxide (MTCMO): a highly efficient and reusable heterogeneous nanocatalyst for one-pot synthesis of Î²-phosphonomalonates via a cascade Knoevenagelâ€“phospha-Michael addition reaction. Journal of Experimental Nanoscience, 2020, 15, 54-69.	2.4	5
87	TCT as a Rapid and Efficient Catalyst for the Synthesis of 1,5-Benzodiazepines. Bulletin of the Korean Chemical Society, 2008, 29, 1280-1282.	1.9	5
88	Color removal from wastewater using a synthetic high-performance antifouling GO-CPTMS@Pd-TKHPP/polyether sulfone nanofiltration membrane. Environmental Science and Pollution Research, 2022, 29, 20463-20478.	5.3	5
89	Hexyltriphenylphosphonium Bromide as an Absolutely Chemoselective Ionic Liquid Catalyst in the Threeâ€Component Reaction of Aryl Aldehydes, Acetophenones and Malononitrile. ChemistrySelect, 2019, 4, 6190-6193.	1.5	4
90	A Novel, Practical Synthesis of Sulfonyl Chlorides from Thiol and Disulfide Derivatives. Synlett, 2009, 2009, 3223-3223.	1.8	3

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91	Thioacetalization of aldehydes and ketones in SDS micelles. Journal of Sulfur Chemistry, 2011, 32, 397-403.	2.0	3
92	Knoevenagel condensation in aqueous micellar media using EDAHS as a new Bronsted acidic ionic liquid. Journal of the Iranian Chemical Society, 2014, 11, 1675-1680.	2.2	3
93	Methyl ester production in microchannel using a new grafted basic ionic liquid as the nanocatalyst. Chemical Papers, 0, , 1.	2.2	3
94	The new synthesis and characterization of SBA-15-Prâ€“NMe3OH: a tailored and reusable Bronsted base nanoreactor for the conversion of nitriles into amides using H2O2. Journal of Porous Materials, 2015, 22, 211-218.	2.6	2
95	Reduced graphene oxide supported Ti-based metalâ€“organic framework as a novel electrochemical sensor for electro-oxidation of Propranolol. Journal of Materials Science: Materials in Electronics, 2021, 32, 8396-8409.	2.2	2
96	3-Carboxypyridinium Chlorochromate-Aluminum Chloride â€" An Efficient and Inexpensive Reagent System for the Selective Oxidation of Sulfides to Sulfoxides and Sulfones in Solution and under Microwave Irradiation.. ChemInform, 2005, 36, no.	0.0	1
97	Preparation of trimetallic Fe(3)â€“Ce(8)â€“Zr(12)â€“SBA-15 and its application in benzylation of arenes. Journal of Porous Materials, 2016, 23, 47-55.	2.6	1
98	Acidic Functionalized Nanobohemite: An Active Catalyst for Methyl Ester Production. International Journal of Chemical Reactor Engineering, 2019, 17, .	1.1	1
99	Efficient and Convenient Deprotection of Thiocarbonyl to Carbonyl Compounds Using 3-Carboxypyridinium and 2,2â€²-Bipyridinium Chlorochromates in Solution, Dry Media, and under Microwave Irradiation.. ChemInform, 2004, 35, no.	0.0	0
100	Selective and Convenient Oxidation of Thiols to Disulfides Using n-Butyltriphenylphosphonium Dichromate (Bun PPh3)2Cr2O7 in Solution, under Solvent-Free Conditions and Microwave Irradiation.. ChemInform, 2005, 36, no.	0.0	0
101	Ag@CeO2 nanoparticles with â€œrice ballâ€•configuration as an efficient and heterogeneous nanocatalyst for the selective oxidation of sulfides to sulfones with 30% H2O2. Monatshefte FÃ¼r Chemie, 2020, 151, 1419-1424.	1.8	0