Mohammad Ali Zolfigol

List of Publications by Year
in descending order

451	14,603	28242 55	49868 87
papers	citations	h-index	g-index

537	537	537	6276
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bis- and Trisindolylmethanes (BIMs and TIMs). Chemical Reviews, 2010, 110, 2250-2293.	23.0	513
2	Silica sulfuric acid/NaNO2 as a novel heterogeneous system for production of thionitrites and disulfides under mild conditions. Tetrahedron, 2001, 57, 9509-9511.	1.0	397
3	Silica sulfuric acid: an efficient and reusable catalyst for the one-pot synthesis of 3,4-dihydropyrimidin-2(1H)-ones. Tetrahedron Letters, 2003, 44, 2889-2891.	0.7	330
4	Silica Sulfuric Acid and Silica Chloride as Efficient Reagents for Organic Reactions. Current Organic Chemistry, 2006, 10, 2171-2189.	0.9	215
5	Rapid synthesis of 1-amidoalkyl-2-naphthols over sulfonic acid functionalized imidazolium salts. Applied Catalysis A: General, 2011, 400, 70-81.	2.2	203
6	Hantzsch reaction on free nano-Fe2O3 catalyst: excellent reactivity combined with facile catalyst recovery and recyclability. Chemical Communications, 2011, 47, 9230.	2.2	167
7	Selective synthesis of 2-aryl-1-arylmethyl-1H-1,3-benzimidazoles in water at ambient temperature. Tetrahedron Letters, 2006, 47, 2557-2560.	0.7	146
8	A Magnetic Particleâ€Supported Sulfonic Acid Catalyst: Tuning Catalytic Activity between Homogeneous and Heterogeneous Catalysis. Advanced Synthesis and Catalysis, 2012, 354, 2001-2008.	2.1	144
9	Ionic liquid triethylamine-bonded sulfonic acid {[Et3Nâ€“SO3H]Cl} as a novel, highly efficient and homogeneous catalyst for the synthesis of Î²-acetamido ketones, 1,8-dioxo-octahydroxanthenes and 14-aryl-14H-dibenzo[a,j]xanthenes. Journal of Molecular Liquids, 2012, 167, 69-77.	2.3	135
10	A highly stable and active magnetically separable Pd nanocatalyst in aqueous phase heterogeneously catalyzed couplings. Green Chemistry, 2013, 15, 2132.	4.6	131
11	Surfactant-type catalysts in organic reactions. Tetrahedron, 2009, 65, 587-598.	1.0	122
12	Silica sulfuric acid: An efficient reusable heterogeneous catalyst for the synthesis of 2,3-dihydroquinazolin-4(1H)-ones in water and under solvent-free conditions. Catalysis Communications, 2008, 9, 785-788.	1.6	116
13	A Novel Method for the One-Pot Three-Component Synthesis of 2,3-Dihydroquinazolin-4(1H)-ones. Synlett, 2005, 2005, 1155-1157.	1.0	115
14	Ionic Liquid 3-Methyl-1-sulfonic Acid Imidazolium Chloride as a Novel and Highly Efficient Catalyst for the Very Rapid Synthesis of bis(Indolyl)methanes under Solvent-free Conditions. Organic Preparations and Procedures International, 2010, 42, 95-102.	0.6	111
15	Silica modified sulfuric acid/NaNO2 as a novel heterogeneous system for the oxidation of 1,4-dihydropyridines under mild conditions. Green Chemistry, 2002, 4, 562-564.	4.6	109
16	Synthesis of 1,4-Dihydropyridines under Solvent-free Conditions. Synlett, 2004, 2004, 0827-0828.	1.0	106
17	Synthesis of pyranopyrazoles using isonicotinic acid as a dual and biological organocatalyst. RSC Advances, 2013, 3, 25681.	1.7	106
18	Design, characterization and application of new ionic liquid 1-sulfopyridinium chloride as an efficient catalyst for tandem Knoevenagelâ€“Michael reaction of 3-methyl-1-phenyl-1H-pyrazol-5(4H)-one with aldehydes. Applied Catalysis A: General, 2013, 467, 61-68.	2.2	103

#	Article	IF	Citations
19	Synthesis, characterization and application of ionic liquid 1,3-disulfonic acid imidazolium hydrogen sulfate as an efficient catalyst for the preparation of hexahydroquinolines. Journal of Molecular Liquids, 2013, 178, 113-121.	2.3	103
20	Preparation of various xanthene derivatives over sulfonic acid functionalized imidazolium salts (SAFIS) as novel, highly efficient and reusable catalysts. Comptes Rendus Chimie, 2012, 15, 719-736.	0.2	101
21	Application of Modified Silica Coated Magnetite Nanoparticles for Removal of Iodine from Water Samples. Nano-Micro Letters, 2012, 4, 57-63.	14.4	97
22	Organocatalyst trityl chloride efficiently promoted the solvent-free synthesis of 12-aryl-8,9,10,12-tetrahydrobenzo[a]-xanthen-11-ones by in situ formation of carbocationic system in neutral media. Catalysis Communications, 2012, 20, 54-57.	1.6	96
23	Catalytic oxidation of sulfides to sulfoxides using sodium perborate and/or sodium percarbonate and silica sulfuric acid in the presence of KBr. Catalysis Communications, 2009, 10, 1257-1260.	1.6	92
24	Experimental and theoretical studies of the nanostructured {Fe₃O₄@SiO₂@(CH₂)₃Im}C(CN)₃catalyst for 2-amino-3-cyanopyridine preparationviaan anomeric based oxidation. RSC Advances, 2016, 6, 50100-50111.	1.7	92
25	The first ureaâ€based ionic liquidâ€stabilized magnetic nanoparticles: an efficient catalyst for the synthesis of bis(indolyl)methanes and pyrano[2,3â€d]pyrimidinone derivatives. Applied Organometallic Chemistry, 2016, 30, 273-281.	1.7	89
26	Synthesis of Metalâ€“Organic Frameworks MIL-101(Cr)-NH₂ Containing Phosphorous Acid Functional Groups: Application for the Synthesis of N-Amino-2-pyridone and Pyrano [2,3-c]pyrazole Derivatives via a Cooperative Vinylogous Anomeric-Based Oxidation. ACS Omega, 2020, 5, 6240-6249.	1.6	88
27	Trityl chloride as an efficient organic catalyst for the synthesis of 1-amidoalkyl-2-naphtols in neutral media at room temperature. Applied Catalysis A: General, 2010, 386, 179-187.	2.2	87
28	Extractive desulfurization of liquid fuel by using a green, neutral and task specific phosphonium ionic liquid with glyceryl moiety: A joint experimental and computational study. Fuel, 2017, 208, 214-222.	3.4	82
29	A new approach to the facile synthesis of mono- and disubstituted quinazolin-4(3H)-ones under solvent-free conditions. Tetrahedron Letters, 2005, 46, 7051-7053.	0.7	81
30	Poly(N-bromobenzene-1,3-disulfonamide) and N,N,Nâ€²,Nâ€²-tetrabromobenzene-1,3-disulfonamide as novel catalytic reagents for silylation of alcohols, phenols, and thiols using hexamethyldisilazane. Tetrahedron Letters, 2006, 47, 4505-4508.	0.7	80
31	Stereoelectronic power of oxygen in control of chemical reactivity: the anomeric effect is not alone. Chemical Society Reviews, 2021, 50, 10253-10345.	18.7	80
32	Separation, preconcentration and determination of silver ion from water samples using silica gel modified with 2,4,6-trimorpholino-1,3,5-triazin. Journal of Hazardous Materials, 2006, 128, 67-72.	6.5	78
33	Preparation of 4,4â€²-(arylmethylene)-bis(3-methyl-1-phenyl-1H-pyrazol-5-ol)s over 1,3-disulfonic acid imidazolium tetrachloroaluminate as a novel catalyst. RSC Advances, 2012, 2, 8010.	1.7	76
34	Chemo and homoselective catalytic oxidation of sulfides to sulfoxides with supported nitric acid on silica gel and poly vinyl pyrrolidone (PVP) catalyzed by KBr and/or NaBr. Catalysis Communications, 2008, 9, 1739-1744.	1.6	75
35	Tandem Knoevenagelâ€“Michael-cyclocondensation reactions of malononitrile, various aldehydes and dimedone using acetic acid functionalized ionic liquid. New Journal of Chemistry, 2014, 38, 2342.	1.4	75
36	Advances in the application of N2O4/NO2 in organic reactions. Tetrahedron, 2010, 66, 9077-9106.	1.0	74

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37	1,3-Dibromo-5,5-Dimethylhydantoin [DBDMH] as an Efficient and Selective Agent for the Oxidation of Thiols to Disulfides in Solution or under Solvent-Free Conditions. Synthesis, 2004, 2004, 2959-2961.	1.2	73
38	Design of ionic liquid 1,3-disulfonic acid imidazolium hydrogen sulfate as a dual-catalyst for the one-pot multi-component synthesis of 1,2,4,5-tetrasubstituted imidazoles. Journal of Industrial and Engineering Chemistry, 2013, 19, 721-726.	2.9	72
39	Silica Sulfuric Acid/NaNO2as a Novel Heterogeneous System for the Chemoselective N-Nitrosationof Secondary Amines under Mild Conditions. Synlett, 2002, 2002, 1621-1624.	1.0	69
40	Silica Sulfuric Acid as an Efficient and Reusable Catalyst for the Pechmann Synthesis of Coumarins under Solvent-Free Conditions. Heterocycles, 2007, 71, 677.	0.4	69
41	A new catalytic method for the preparation of bis-indolyl and tris-indolyl methanes in aqueous media. Catalysis Communications, 2007, 8, 173-178.	1.6	69
42	Synthesis of 6-amino-4-(4-methoxyphenyl)-5-cyano-3-methyl-1-phenyl-1,4-dihydropyrano[2,3-c]pyrazoles using disulfonic acid imidazolium chloroaluminate as a dual and heterogeneous catalyst. New Journal of Chemistry, 2013, 37, 4089.	1.4	69
43	Discovery of an in situ carbocationic system using trityl chloride as a homogeneous organocatalyst for the solvent-free condensation of Î²-naphthol with aldehydes and amides/thioamides/alkyl carbamates in neutral media. Tetrahedron, 2013, 69, 212-218.	1.0	69
44	Tandem Knoevenagelâ€“Michaelâ€“cyclocondensation reaction of malononitrile, various aldehydes and 2-naphthol over acetic acid functionalized ionic liquid. Chemical Engineering Journal, 2014, 248, 122-127.	6.6	69
45	A task-specific phosphonium ionic liquid as an efficient extractant for green desulfurization of liquid fuel: An experimental and computational study. Chemical Engineering Journal, 2016, 295, 500-508.	6.6	69
46	SBA-15/PrN(CH2PO3H2)2 as a novel and efficient mesoporous solid acid catalyst with phosphorous acid tags and its application on the synthesis of new pyrimido[4,5-b]quinolones and pyrido[2,3-d]pyrimidines via anomeric based oxidation. Microporous and Mesoporous Materials, 2020, 294, 109865.	2.2	69
47	Efficient and Chemoselective N-Nitrosation of Secondary Amines Under Mild and Heterogeneous Conditions with Sodium Nitrite and Oxalic Acid Two Hydrate. Synthetic Communications, 1999, 29, 905-910.	1.1	66
48	Trichloroisocyanuric acid (TCCA) as a mild and efficient catalyst for the trimethylsilylation of alcohols and phenols with hexamethyldisilazane (HMDS) under heterogonous conditions. Catalysis Communications, 2007, 8, 543-547.	1.6	66
49	Facile preparation of a nanostructured functionalized catalytically active organosalt. Journal of Materials Chemistry A, 2014, 2, 770-777.	5.2	66
50	Applications of a novel nano magnetic catalyst in the synthesis of 1,8-dioxo-octahydroxanthene and dihydropyrano[2,3-c]pyrazole derivatives. Journal of Molecular Catalysis A, 2016, 418-419, 54-67.	4.8	66
51	Catalytic applications of {[HMIM]C(NO₂)₃}: as a nano ionic liquid for the synthesis of pyrazole derivatives under green conditions and a mechanistic investigation with a new approach. RSC Advances, 2015, 5, 75555-75568.	1.7	64
52	Synthesis of hexahydroquinolines using the new ionic liquid sulfonic acid functionalized pyridinium chloride as a catalyst. Chinese Journal of Catalysis, 2013, 34, 1936-1944.	6.9	63
53	The use of Nafion-HÂ®/NaNO2 as an efficient procedure for the chemoselective N-nitrosation of secondary amines under mild and heterogeneous conditions. Tetrahedron Letters, 2003, 44, 3345-3349.	0.7	59
54	Preparation, characterization and application of ionic liquid sulfonic acid functionalized pyridinium chloride as an efficient catalyst for the solvent-free synthesis of 12-aryl-8,9,10,12-tetrahydrobenzo[a]-xanthen-11-ones. Journal of Molecular Liquids, 2013, 186, 63-69.	2.3	58

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55	Synthesis of 2,4,6-Triarylpyridines Using ZrOCl2 under Solvent-Free CondiÂtions. Synlett, 2014, 25, 193-196.	1.0	58
56	C(sp²)â€“C(sp²) cross coupling reaction catalyzed by a water-stable palladium complex supported onto nanomagnetite particles. New Journal of Chemistry, 2015, 39, 439-444.	1.4	58
57	Synthesis and characterization of a novel magnetic nanoâ€palladium Schiff base complex: application in crossâ€coupling reactions. Applied Organometallic Chemistry, 2016, 30, 612-618.	1.7	58
58	N-Nitrosation of Secondary Amines with [NO+Â·CrownÂ·H(NO3)2-]. Journal of Organic Chemistry, 2001, 66, 3619-3620.	1.7	56
59	A catalytic and green procedure for Friedlander quinoline synthesis in aqueous media. Catalysis Communications, 2007, 8, 1214-1218.	1.6	56
60	Nano-titania sulfuric acid-promoted synthesis of tetrahydrobenzo[b]pyran and 1,4-dihydropyrano[2,3-c]pyrazole derivatives under ultrasound irradiation. Journal of the Iranian Chemical Society, 2014, 11, 1223-1230.	1.2	56
61	Applications of phosphonium-based ionic liquids in chemical processes. Journal of the Iranian Chemical Society, 2020, 17, 1775-1917.	1.2	56
62	Trichloroisocyanuric acid as a novel oxidizing agent for the oxidation of 1,3,5-trisubstituted pyrazolines under both heterogeneous and solvent free conditions. Tetrahedron Letters, 2004, 45, 2181-2183.	0.7	55
63	N,2-Dibromo-6-chloro-3,4-dihydro-2H-benzo[e][1,2,4]thiadiazine-7-sulfonamide 1,1-dioxide: an efficient and homogeneous catalyst for one-pot synthesis of 4H-pyran, pyranopyrazole and pyrazolo[1,2-b]phthalazine derivatives under aqueous media. RSC Advances, 2015, 5, 71402-71412.	1.7	55
64	Synthesis of 1,2,4,5-tetrasubstituted imidazoles using 2,6-dimethylpyridinium trinitromethanide {[2,6-DMPyH]C(NO₂)₃} as a novel nanostructured molten salt and green catalyst. RSC Advances, 2015, 5, 32933-32940.	1.7	55
65	Solvent-Free Condensation of Phenols with Aldehydes and Amides Using 3-Methyl-1-sulfonic Acid Imidazolium Chloride. Synlett, 2014, 25, 1173-1177.	1.0	53
66	An Efficient Method for the Oxidation of Hantzsch 1,4-Dihydropyridines to their Corresponding Pyridine Derivatives Under Mild and Heterogeneous Conditions. Synthetic Communications, 2000, 30, 551-558.	1.1	52
67	Zirconium Tetrakis(dodecyl Sulfate) [Zr(DS)₄] as an Efficient Lewis Acidâ€“Surfactant Combined Catalyst for the Synthesis of Quinoxaline Derivatives in Aqueous Media. Synthetic Communications, 2009, 39, 569-579.	1.1	52
68	Trityl chloride promoted the synthesis of 3-(2,6-diarylpyridin-4-yl)-1H-indoles and 2,4,6-triarylpyridines by in situ generation of trityl carbocation and anomeric based oxidation in neutral media. Canadian Journal of Chemistry, 2016, 94, 626-630.	0.6	52
69	Novel magnetic nanoparticles with ionic liquid tags as a reusable catalyst in the synthesis of polyhydroquinolines. RSC Advances, 2016, 6, 82842-82853.	1.7	52
70	Catalytic application of 1-(carboxymethyl)pyridinium iodide on the synthesis of pyranopyrazole derivatives. Journal of Molecular Catalysis A, 2016, 415, 144-150.	4.8	52
71	Synthesis and characterization of two novel biological-based nano organo solid acids with urea moiety and their catalytic applications in the synthesis of 4,4â€²-(arylmethylene)bis(1H-pyrazol-5-ol), coumarin-3-carboxylic acid and cinnamic acid derivatives under mild and green conditions. RSC Advances, 2015, 5, 71942-71954.	1.7	51
72	Applications of biological urea-based catalysts in chemical processes. Molecular Catalysis, 2018, 452, 192-246.	1.0	51

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73	Silica chloride/NaNO2 as a novel heterogeneous system for the oxidation of urazoles under mild conditions. Tetrahedron, 2001, 57, 8381-8384.	1.0	50
74	Silica sulfuric acid as an efficient and reusable reagent for crossed-aldol condensation of ketones with aromatic aldehydes under solvent-free conditions. Journal of the Brazilian Chemical Society, 2004, 15, 773-776.	0.6	50
75	Silica sulfuric acid: A versatile and reusable heterogeneous catalyst for the synthesis of oxazolines and imidazolines under various reaction conditions. Catalysis Communications, 2008, 9, 894-901.	1.6	50
76	Synthesis of the first nano ionic liquid 1-methylimidazolium trinitromethanide {[HMIM]C(NO₂)₃} and its catalytic use for Hanztsch four-component condensation. RSC Advances, 2014, 4, 57662-57670.	1.7	50
77	An eco-friendly procedure for the synthesis of polysubstituted quinolines under aqueous media. Journal of Molecular Catalysis A, 2006, 259, 253-258.	4.8	49
78	Solid-phase extraction method for preconcentration of trace amounts of some metal ions in environmental samples using silica gel modified by 2,4,6-trimorpholino-1,3,5-triazin. Journal of Hazardous Materials, 2008, 160, 468-472.	6.5	49
79	Synthesis of a novel dendrimer core of oxo-vanadium phthalocyanine magnetic nano particles: as an efficient catalyst for the synthesis of 3,4-dihydropyrano[c]chromenes derivatives under green condition. RSC Advances, 2015, 5, 102340-102349.	1.7	49
80	Fe₃O₄@TiO₂@O₂PO₂(CH₂)NHSO₃H as a novel nanomagnetic catalyst: Application to the preparation of 2â€aminoâ€4,6â€diphenylnicotinonitriles via anomericâ€based oxidation. Applied Organometallic Chemistry, 2017, 31, e3598.	1.7	49
81	C(sp²)â€“C(sp²) cross coupling reactions catalyzed by an active and highly stable magnetically separable Pd-nanocatalyst in aqueous media. RSC Advances, 2014, 4, 40036.	1.7	48
82	Silica vanadic acid [SiO₂â€“VO(OH)₂] as an efficient heterogeneous catalyst for the synthesis of 1,2-dihydro-1-aryl-3H-naphth[1,2-e][1,3]oxazin-3-one and 2,4,6-triarylpyridine derivatives via anomeric based oxidation. RSC Advances, 2015, 5, 100546-100559.	1.7	48
83	Ionically Tagged Magnetic Nanoparticles with Urea Linkers: Application for Preparation of 2-Aryl-quinoline-4-carboxylic Acids via an Anomeric-Based Oxidation Mechanism. ACS Omega, 2020, 5, 3207-3217.	1.6	48
84	4-Phenyl-1,2,4-triazole-3,5-dione as a novel and reusable reagent for the aromatization of 1,4-dihydropyridines under mild conditions. Tetrahedron Letters, 2005, 46, 5581-5584.	0.7	47
85	Efficient Cu-catalyzed one-pot odorless synthesis of sulfides from triphenyltin chloride, aryl halides and S 8 in PEG. Tetrahedron Letters, 2016, 57, 192-195.	0.7	47
86	Dinitrogen Tetraoxide Complexes of Iron(III) and Copper(II) Nitrates as Versatile Reagents for Organic Syntheses. Efficient Oxidative Deprotection of Silyl or Tetrahydropyranyl Ethers, Acetals, and Thioacetals. Bulletin of the Chemical Society of Japan, 1998, 71, 2169-2173.	2.0	46
87	{[K.18-Crown-6]Br3}n: a unique tribromide-type and columnar nanotube-like structure for the oxidative coupling of thiols and bromination of some aromatic compounds. Tetrahedron Letters, 2007, 48, 7969-7973.	0.7	46
88	A novel and reusable ionically tagged nanomagnetic catalyst: Application for the preparation of 2-amino-6-(2-oxo-2H-chromen-3-yl)-4-arylnicotinonitriles via vinylogous anomeric based oxidation. Molecular Catalysis, 2019, 463, 20-29.	1.0	46
89	Selective Oxidation of N-Alkyl Imines to Oxaziridines using UHP/Maleic Anhydride system. Synlett, 2002, 2002, 0933-0934.	1.0	45
90	Synthesis and characterization of novel silica-coated magnetic nanoparticles with tags of ionic liquid. Application in the synthesis of polyhydroquinolines. RSC Advances, 2015, 5, 103617-103624.	1.7	45

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91	Synthesis of pyrazole derivatives in the presence ofÂa dioxomolybdenum complex supported on silica-coated magnetite nanoparticles as an efficient and easily recyclable catalyst. RSC Advances, 2016, 6, 104875-104885.	1.7	45
92	Oxidation of 1,4-Dihydropyridines under Mild and Heterogeneous Conditions. Synthetic Communications, 2000, 30, 2945-2950.	1.1	44
93	Design, characterization and application of silica-bonded imidazolium-sulfonic acid chloride as a novel, active and efficient nanostructured catalyst in the synthesis of hexahydroquinolines. Applied Catalysis A: General, 2015, 505, 224-234.	2.2	44
94	Novel nano-size and crab-like biological-based glycoluril with sulfonic acid tags as a reusable catalyst: its application to the synthesis of new mono- and bis-spiropyrans and theirin vitrobiological studies. New Journal of Chemistry, 2018, 42, 14308-14317.	1.4	44
95	CHEMOSELECTIVE OXIDATION OF 1,4-DIHYDROPYRIDINES WITH [NO+.CROWN.H(NO3)2â^']. Synthetic Communications, 2001, 31, 929-934.	1.1	43
96	Mild and heterogeneous oxidation of urazoles to their corresponding triazolinediones via in situ generation Cl+ using silica sulfuric acid/KClO3 or silica chloride/oxone system. Catalysis Communications, 2007, 8, 256-260.	1.6	43
97	Application of silica-bonded imidazolium-sulfonic acid chloride (SBISAC) as a heterogeneous nanocatalyst for the domino condensation of arylaldehydes with 2-naphthol and dimedone. Journal of Molecular Liquids, 2015, 211, 373-380.	2.3	43
98	An Efficient Method for Production and Storage of Unstable S-Nitrosothiols Under Mild and Heterogeneous Condition with Sodium Nitrite and Oxalic Acid Dihydrate. Synthetic Communications, 1999, 29, 2277-2280.	1.1	42
99	Aromatization of 1,4-Dihydropyridines Under Mild and Heterogeneous Conditions. Synthetic Communications, 2000, 30, 3919-3923.	1.1	42
100	A Convenient Method for Selective Mono or Dinitration of Phenol under Mild Conditions. Synthetic Communications, 2000, 30, 1689-1694.	1.1	42
101	Biomimetic aromatization of Hantzsch 1,4-dihydropyridines with sodium periodate catalyzed by a new polystyrene-bound manganese porphyrin. Canadian Journal of Chemistry, 2006, 84, 1-4.	0.6	42
102	Synthesis, in vitro antibacterial and carbonic anhydrase II inhibitory activities of N-acylsulfonamides using silica sulfuric acid as an efficient catalyst under both solvent-free and heterogeneous conditions. Bioorganic and Medicinal Chemistry, 2008, 16, 5465-5472.	1.4	42
103	Friedelâ€"Crafts alkylation of 4-hydroxycoumarin catalyzed by sulfonic-acid-functionalized pyridinium chloride as a new ionic liquid. Comptes Rendus Chimie, 2014, 17, 1264-1267.	0.2	42
104	1-Methylimidazolium tricyanomethanide {[HMIM]C(CN)3} as a nano structure and reusable molten salt catalyst for the synthesis of tetrahydrobenzo[b]pyrans via tandem Knoevenagel-Michael cyclocondensation and 3,4-dihydropyrano[c]chromene derivatives. Journal of Molecular Liquids, 2016, 221, 851-859.	2.3	42
105	Catalytic application of sulfonic acidâ€functionalized titanaâ€coated magnetic nanoparticles for the preparation of 1,8â€dioxodecahydroacridines and 2,4,6â€triarylpyridines via anomericâ€based oxidation. Applied Organometallic Chemistry, 2018, 32, e4063.	1.7	42
106	Efficient Synthesis of 3,4-Dihydropyrimidin-2(1H)-ones over Silica Sulfuric Acid as a Reusable Catalyst under Solvent-free Conditions. Heterocycles, 2003, 60, 2435.	0.4	41
107	A simple and efficient route for the synthesis of di and tri(bis(indolyl) methanes) as new triarylmethanes. Molecular Diversity, 2008, 12, 203-207.	2.1	41
108	Multilinker phosphorous acid anchored En/MIL-100(Cr) as a novel nanoporous catalyst for the synthesis of new N-heterocyclic pyrimido[4,5-b]quinolines. Molecular Catalysis, 2020, 481, 110303.	1.0	41

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109	An efficient method for the oxidation of urazoles with [NO+Â·crownÂ·H(NO3)2â˜]. Tetrahedron, 2001, 57, 1627-1629.	1.0	40
110	Novel and chemoselective dehydrogenation of 2-substituted imidazolines with potassium permanganate supported on silica gel. Tetrahedron Letters, 2004, 45, 8687-8690.	0.7	40
111	AN EFFICIENT PRO CEDURE FOR THE PREPARATION OF MONO, AND DI-BIS-INDOLYL METHANES CATALYZED BY MOLIBDATOPHOSPHORIC ACID. Phosphorus, Sulfur and Silicon and the Related Elements, 2004, 179, 2273-2277.	0.8	40
112	Green fuel through green route by using a task-specific and neutral phosphonium ionic liquid: A joint experimental and theoretical study. Chemical Engineering Journal, 2017, 309, 480-488.	6.6	40
113	The use of Nafion-HÂ® as an efficient catalyst for the direct conversion of primary and secondary trimethylsilyl ethers to their corresponding ethers under mild and heterogeneous conditions. Tetrahedron Letters, 2003, 44, 8165-8167.	0.7	39
114	Silica sulfuric acid as an efficient and recyclable catalyst for the methoxymethylation of alcohols under solvent-free conditions. Catalysis Communications, 2006, 7, 494-498.	1.6	39
115	Nano aluminium nitride as a solid source of ammonia for the preparation of hantzsch 1,4-dihydropyridines and bis-(1,4-dihydropyridines) in water via one pot multicomponent reaction. Journal of the Brazilian Chemical Society, 2011, 22, 525-531.	0.6	39
116	Application of novel nanomagnetic metalâ€“organic frameworks as a catalyst for the synthesis of new pyridines and 1,4-dihydropyridines via a cooperative vinylogous anomeric based oxidation. Scientific Reports, 2021, 11, 5279.	1.6	39
117	Trichloroisocyanuric Acid/NaNO2as a Novel Heterogeneous System for the Selective Mononitration of Phenols under Mild Conditions. Synlett, 2003, 2003, 0191-0194.	1.0	38
118	SILICA PHOSPHORIC ACID/NaNO2 AS A NOVEL HETEROGENEOUS SYSTEM FOR THE COUPLING OF THIOLS TO THEIR CORRESPONDING DISULFIDES. Phosphorus, Sulfur and Silicon and the Related Elements, 2004, 179, 2177-2182.	0.8	38
119	Silylation and Tetrahydropyranylation of Alcohols Catalyzed by Al(HSO4)3. Bulletin of the Chemical Society of Japan, 2005, 78, 1982-1985.	2.0	38
120	4-(p-Chloro)phenyl-1,2,4-triazole-3,5-dione as a novel and reusable reagent for the oxidation of 1,3,5-trisubstituted pyrazolines under mild conditions. Tetrahedron Letters, 2006, 47, 833-836.	0.7	38
121	Iodineâ€Catalyzed Friedlander Quinoline Synthesis under Solventâ€Free Conditions. Journal of the Chinese Chemical Society, 2007, 54, 267-271.	0.8	38
122	Design of 1-methylimidazolium tricyanomethanide as the first nanostructured molten salt and its catalytic application in the condensation reaction of various aromatic aldehydes, amides and Î²-naphthol compared with tin dioxide nanoparticles. RSC Advances, 2015, 5, 45027-45037.	1.7	38
123	Synthesis of the first magnetic nanoparticles with a thiourea dioxide-based sulfonic acid tag: application in the one-pot synthesis of 1,1,3-tri(1H-indol-3-yl) alkanes under mild and green conditions. RSC Advances, 2016, 6, 69595-69604.	1.7	38
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