Habib Firouzabadi

List of Publications by Year
in descending order

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193	6,951	47006	98798
papers	citations	47 h-index	67 g-index

228	228	228	4524
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Iodine Catalyzes Efficient and Chemoselective Thioacetalization of Carbonyl Functions, Transthioacetalization of O,O- and S,O-Acetals and Acylals. Journal of Organic Chemistry, 2001, 66, 7527-7529.	3.2	164
2	Barium Manganate. A Versatile Oxidant in Organic Synthesis. Bulletin of the Chemical Society of Japan, 1983, 56, 914-917.	3.2	148
3	Design and one-pot synthesis of Î±-aminophosphonates and bis(Î±-aminophosphonates) by iron(III) chloride and cytotoxic activity. European Journal of Medicinal Chemistry, 2009, 44, 4266-4275.	5.5	143
4	Magnetite (Fe₃O₄) Nanoparticlesâ€Catalyzed Sonogashiraâ€“ Hagihara Reactions in Ethylene Glycol under Ligandâ€Free Conditions. Advanced Synthesis and Catalysis, 2011, 353, 125-132.	4.3	135
5	Oneâ€Pot Thioetherification of Aryl Halides Using Thiourea and Alkyl Bromides Catalyzed by Copper(I) Iodide Free from Foulâ€Smelling Thiols in Wet Polyethylene Glycol (PEG 200). Advanced Synthesis and Catalysis, 2010, 352, 119-124.	4.3	132
6	The facile and efficient Michael addition of indoles and pyrrole to Î±,Î²-unsaturated electron-deficient compounds catalyzed by aluminium dodecyl sulfate trihydrate [Al(DS)3]Â·3H2O in water. Chemical Communications, 2005, , 789-791.	4.1	129
7	Tungstophosphoric acid (H3PW12O40) as a heterogeneous inorganic catalyst. Activation of hexamethyldisilazane (HMDS) by tungstophosphoric acid for efficient and selective solvent-free O-silylation reactions. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 2601-2604.	1.3	110
8	Aluminumdodecatungstophosphate (AlPW12O40), a versatile and a highly water tolerant green Lewis acid catalyzes efficient preparation of indole derivatives. Journal of Molecular Catalysis A, 2006, 244, 168-172.	4.8	107
9	ZrOCl2Â·8H2O/silica gel as a new efficient and a highly waterâ€“tolerant catalyst system for facile condensation of indoles with carbonyl compounds under solvent-free conditions. Journal of Molecular Catalysis A, 2006, 253, 249-251.	4.8	107
10	Easily Prepared Azopyridines As Potent and Recyclable Reagents for Facile Esterification Reactions. An Efficient Modified Mitsunobu Reaction. Journal of Organic Chemistry, 2008, 73, 4882-4887.	3.2	93
11	Palladium nano-particles supported on agarose as efficient catalyst and bioorganic ligand for CC bond formation via solventless Mizorokiâ€“Heck reaction and Sonogashiraâ€“Hagihara reaction in polyethylene glycol (PEG 400). Journal of Molecular Catalysis A, 2012, 357, 154-161.	4.8	89
12	Aluminum dodecatungstophosphate (AlPW12O40) as an efficient heterogeneous inorganic catalyst for the chemoselective synthesis of geminal diacetates (acylals) under solvent-free conditions. Tetrahedron Letters, 2003, 44, 3951-3954.	1.4	87
13	Lithium Bromide-Catalyzed Highly Chemoselective and Efficient Dithioacetalization of Î±,Î²-Unsaturated and Aromatic Aldehydes under Solvent-Free Conditions. Synthesis, 1999, 1999, 58-60.	2.3	82
14	Aluminum dodecatungstophosphate (AlPW12O40) as a non-hygroscopic Lewis acid catalyst for the efficient Friedelâ€“Crafts acylation of aromatic compounds under solvent-less conditions. Tetrahedron, 2004, 60, 10843-10850.	1.9	81
15	2-Aminophenyl diphenylphosphinite as a new ligand for heterogeneous palladium-catalyzed Heckâ€“Mizoroki reactions in water in the absence of any organic co-solvent. Tetrahedron, 2009, 65, 7079-7084.	1.9	75
16	1,3,2,4-Diazadiphosphetidines as new Pâ€“N ligands for palladium-catalyzed Heck reaction in water. Tetrahedron, 2010, 66, 2415-2421.	1.9	73
17	Micellar media for the efficient ring opening of epoxides with CNâ€“, N3â€“, NO3â€“, NO2â€–, SCNâ€–, Clâ€“ and Brâ€“ catalyzed with Ce(OTf)4. Organic and Biomolecular Chemistry, 2003, 1, 724-727.	2.8	72
18	A new diphenylphosphinite ionic liquid (IL-OPPh2) as reagent and solvent for highly selective bromination, thiocyanation or isothiocyanation of alcohols and trimethylsilyl and tetrahydropyranyl ethers. Tetrahedron Letters, 2006, 47, 5531-5534.	1.4	68

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19	Zirconium Tetrachloride (ZrCl4) Catalyzed Highly Chemoselective and Efficient Acetalization of Carbonyl Compounds. Synlett, 1999, 1999, 321-323.	1.8	67
20	Highly Efficient Transdithioacetalization of Acetals Catalyzed by Silica Chloride. Synlett, 2000, 2000, 263-265.	1.8	66
21	Pronounced Catalytic Effect of Micellar Solution of Sodium Dodecyl Sulfate (SDS) for Regioselective Iodination of Aromatic Compounds with a Sodium Iodide/Cerium(IV) Trihydroxide Hydroperoxide System. Advanced Synthesis and Catalysis, 2005, 347, 1925-1928.	4.3	65
22	Palladium nanoparticles supported on agarose-functionalized magnetic nanoparticles of Fe₃O₄ as a recyclable catalyst for Câ€“C bond formation via Suzukiâ€“Miyaura, Heckâ€“Mizoroki and Sonogashiraâ€“Hagihara coupling reactions. RSC Advances, 2014, 4, 17060-17070.	3.6	65
23	Silphos [PCl3â¯n(SiO2)n]: a heterogeneous phosphine reagent for formylation and acetylation of alcohols and amines with ethyl formate and acetate. Tetrahedron Letters, 2005, 46, 7963-7966.	1.4	64
24	ZrCl4 dispersed on dry silica gel provides a useful reagent for S-alkylation of thiols with alcohols under solvent-free conditions. Tetrahedron Letters, 2006, 47, 93-97.	1.4	63
25	Pronounced Catalytic Effect of a Micellar Solution of Sodium Dodecyl Sulfate (SDS) on the Efficient Câ€S Bond Formationviaan Odorless Thiaâ€Michael Addition Reaction through thein situGeneration ofSâ€Alkylisothiouronium Salts. Advanced Synthesis and Catalysis, 2009, 351, 755-766.	4.3	62
26	Dinitrogen tetroxide supported on polyvinylpyrrolidone (PVPâ€“N2O4): a new nitrosating and coupling agent for thiols and a selective oxidant for sulfides and disulfides. Tetrahedron, 2002, 58, 5179-5184.	1.9	61
27	Aluminum tris (dodecyl sulfate) trihydrate Al(DS)3Â·3H2O as an efficient Lewis acidâ€“surfactant-combined catalyst for organic reactions in water. Journal of Molecular Catalysis A, 2007, 274, 109-115.	4.8	61
28	ZrOCl2Â·8H2O as a highly efficient and the moisture tolerant Lewis acid catalyst for Michael addition of amines and indoles to Î±, Î²-unsaturated ketones under solvent-free conditions. Journal of Molecular Catalysis A, 2006, 252, 150-155.	4.8	60
29	Recyclable palladium-catalyzed Sonogashiraâ€“Hagihara coupling of aryl halides using 2-aminophenyl diphenylphosphinite ligand in neat water under copper-free condition. Journal of Molecular Catalysis A, 2010, 321, 110-116.	4.8	60
30	Zinc Bismuthate Zn(BiO3)2. I. A Useful Oxidizing Agent for the Efficient Oxidation of Organic Compounds. Bulletin of the Chemical Society of Japan, 1992, 65, 1131-1134.	3.2	59
31	Aluminium dodecatungstophosphate (AlPW12O40) as a highly efficient catalyst for the selective acetylation of â€“OH, â€“SH and â€“NH2 functional groups in the absence of solvent at room temperature. Chemical Communications, 2003, , 764-765.	4.1	58
32	Reactions of Silica Chloride (SiO2Cl)/DMSO, a Heterogeneous System for the Facile Regeneration of Carbonyl Compounds from Thioacetals and Ring-Expansion Annelation of Cyclic Thioacetals. Journal of Organic Chemistry, 2002, 67, 2572-2576.	3.2	57
33	Palladium nanoparticles supported on silicadiphenyl phosphinite (SDPP) as efficient catalyst for Mizorokiâ€“Heck and Suzukiâ€“Miyaura coupling reactions. Journal of Organometallic Chemistry, 2012, 708-709, 118-124.	1.8	57
34	One-pot synthesis of aryl alkyl thioethers and diaryl disulfides using carbon disulfide as a sulfur surrogate in the presence of diethylamine catalyzed by copper(I) iodide in polyethylene glycol (PEG200). Tetrahedron Letters, 2014, 55, 1212-1217.	1.4	57
35	A high yielding preparation of Î±-trimethylsilyloxyphosphonates by silylation of Î±-hydroxyphosphonates with HMDS catalyzed by iodine. Tetrahedron Letters, 2002, 43, 3653-3655.	1.4	56
36	Conversion of Alcohols, Thiols, and Trimethysilyl Ethers to Alkyl Cyanides Using Triphenylphosphine/2,3-Dichloro-5,6-dicyanobenzoquinone/n-Bu4NCN. Journal of Organic Chemistry, 2004, 69, 2562-2564.	3.2	56

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37	Tungsten Hexachloride (WCl6) as an Efficient Catalyst for Chemoselective Dithioacetalization of Carbonyl Compounds and Transthioacetalization of Acetals. Synlett, 1998, 1998, 739-740.	1.8	55
38	An Imidazolium-Based Phosphinite Ionic Liquid (IL-OPPh2) as a Reusable Reaction Medium and PdII Ligand in Heck Reactions of Aryl Halides with Styrene andn-Butyl Acrylate. European Journal of Organic Chemistry, 2007, 2007, 2197-2201.	2.4	55
39	Solid trichlorotitanium(IV) trifluoromethanesulfonate TiCl3(OTf) catalyzed efficient acylation of â€“OH and â€“SH: Direct esterification of alcohols with carboxylic acids and transesterification of alcohols with esters under neat conditions. Journal of Molecular Catalysis A, 2008, 289, 61-68.	4.8	55
40	Imidazolium-based phosphinite ionic liquid (IL-OPPh2) as Pd ligand and solvent for selective dehalogenation or homocoupling of aryl halides. Journal of Organometallic Chemistry, 2008, 693, 2469-2472.	1.8	54
41	Diphenylphosphinite ionic liquid (IL-OPPh2): A solvent and ligand for palladium-catalyzed silylation and dehalogenation reaction of aryl halides with triethylsilane. Journal of Organometallic Chemistry, 2010, 695, 887-890.	1.8	53
42	Gelatin as a bioorganic reductant, ligand and support for palladium nanoparticles. Application as a catalyst for ligand- and amine-free Sonogashiraâ€“Hagihara reaction. Organic and Biomolecular Chemistry, 2011, 9, 865-871.	2.8	53
43	N-heterocyclic carbene-Pd(II) complex based on theophylline supported on Fe3O4@SiO2 nanoparticles: Highly active, durable and magnetically separable catalyst for green Suzuki-Miyaura and Sonogashira-Hagihara coupling reactions. Journal of Organometallic Chemistry, 2018, 873, 22-34.	1.8	53
44	Solvent-free Mizorokiâ€“Heck reaction catalyzed by palladium nano-particles deposited on gelatin as the reductant, ligand and the non-toxic and degradable natural product support. Journal of Molecular Catalysis A, 2011, 347, 38-45.	4.8	51
45	A New Approach to the Reduction of Sulfoxides to Sulfides with 1,3-Dithiane in the Presence of Electrophilic Bromine as Catalyst. Journal of Organic Chemistry, 2002, 67, 2826-2830.	3.2	49
46	A facile generation of Câ€“S bonds via one-pot, odourless and efficient thia-Michael addition reactions using alkyl, aryl or allyl halides, thiourea and electron-deficient alkenes in wet polyethylene glycol (PEG 200) under mild reaction conditions. Tetrahedron, 2009, 65, 5293-5301.	1.9	48
47	Agarose hydrogel as an effective bioorganic ligand and support for the stabilization of palladium nanoparticles. Application as a recyclable catalyst for Suzukiâ€“Miyaura reaction in aqueous media. RSC Advances, 2011, 1, 1013.	3.6	48
48	Lithium trifluoromethanesulfonate (LiOTf) as a highly efficient catalyst for chemoselective dithioacetalization of carbonyl compounds under neutral and solvent-free conditions. Tetrahedron Letters, 1999, 40, 4055-4058.	1.4	47
49	Copper triflate [Cu(OTf)2] is an efficient and mild catalyst for the silylation of Î±-hydroxyphosphonates to Î±-trimethylsilyloxyphosphonates with HMDS at room temperature. Tetrahedron Letters, 2003, 44, 891-893.	1.4	47
50	A simple, efficient, and highly selective method for the iodination of alcohols using ZrCl4/NaI. Tetrahedron Letters, 2004, 45, 7451-7454.	1.4	47
51	Aluminumdodecatungstophosphate (AlPW12O40) as a reusable Lewis acid catalyst. Journal of Molecular Catalysis A, 2006, 250, 237-242.	4.8	47
52	A Functionalized High-Surface-Energy Ammonium-Based Ionic Liquid: Experimental Measurement of Viscosity, Density, and Surface Tension of (2-Hydroxyethyl)ammonium Formate. Journal of Chemical & Engineering Data, 2012, 57, 2095-2101.	1.9	47
53	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.	3.2	46
54	A novel and highly selective conversion of alcohols, thiols, and silyl ethers to azides using the triphenylphosphine/2,3-dichloro-5,6-dicyanobenzoquinone(DDQ)/n-Bu4NN3 system. Tetrahedron Letters, 2004, 45, 3291-3294.	1.4	46

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55	A new application for diethyl azodicarboxylate: efficient and regioselective thiocyanation of aromatics amines. Tetrahedron Letters, 2010, 51, 3508-3510.	1.4	46
56	Oxidation of Organic Compounds with Tetrabutylammonium Periodate in the Presence of Lewis Acids in Aprotic Organic Solvents. Bulletin of the Chemical Society of Japan, 1996, 69, 685-691.	3.2	45
57	Solvent-Free and Selective Oxidation of Hydroxy Groups to their Corresponding Carbonyl Functions with Ferric Nitrate Activated by Heteropoly Acids. Synthesis, 2003, 2003, 0408-0412.	2.3	45
58	Rapid, highly efficient and stereoselective deoxygenation of epoxides by ZrCl4/NaI. Tetrahedron Letters, 2005, 46, 4107-4110.	1.4	45
59	5,5â€²-Dimethyl-3,3â€²-azoisoxazole as a new heterogeneous azo reagent for esterification of phenols and selective esterification of benzylic alcohols under Mitsunobu conditions. Organic and Biomolecular Chemistry, 2010, 8, 4436.	2.8	45
60	A one-pot, efficient, and odorless synthesis of symmetrical disulfides using organic halides and thiourea in the presence of manganese dioxide and wet polyethylene glycol (PEG-200). Tetrahedron Letters, 2010, 51, 508-509.	1.4	45
61	A novel nickel-catalyzed synthesis of thioesters, esters and amides from aryl iodides in the presence of chromium hexacarbonyl. New Journal of Chemistry, 2015, 39, 6445-6452.	2.8	45
62	Dendrimerâ€encapsulated Cu(Î) nanoparticles immobilized on superparamagnetic Fe₃O₄@SiO₂ nanoparticles as a novel recyclable catalyst for Nâ€arylation of nitrogen heterocycles and green synthesis of 5â€substituted 1Hâ€tetrazoles. Applied Organometallic Chemistry, 2018, 32, e4300.	3.5	45
63	Magnesium triflate [Mg(OTf)2] a highly stable, non-hygroscopic and a recyclable catalyst for the high yielding preparation of diethyl Î±-trimethylsilyloxyphosphonates from diethyl Î±-hydroxyphosphonates by HMDS under solventless conditions. Journal of Organometallic Chemistry, 2004, 689, 3197-3202.	1.8	44
64	Copper(I) iodide catalyzes odorless thioarylation of phenolic esters with alkyl derivatives using thiourea in wet polyethylene glycol (PEG 200). Journal of Molecular Catalysis A, 2013, 377, 190-196.	4.8	44
65	Efficient Deoxygenation of Sulfoxides to Thioethers and Reductive Coupling of Sulfonyl Chlorides to Disulfides with Tungsten Hexachloride. Synthesis, 1999, 1999, 500-502.	2.3	43
66	A novel method for the highly efficient synthesis of 1,2-benzisoxazoles under neutral conditions using the Ph3P/DDQ system. Tetrahedron Letters, 2006, 47, 8247-8250.	1.4	43
67	Barium Ferrate Monohydrate BaFeO4Â·H2O, a Useful Oxidant for the Oxidation of Organic Compounds under Aprotic Conditions. Bulletin of the Chemical Society of Japan, 1988, 61, 2185-2189.	3.2	42
68	Iron(III) trifluoroacetate [Fe(F3CCO2)3] as an easily available, non-hygroscopic, non-corrosive, highly stable and a reusable Lewis Acid catalyst: Efficient O-silylation of Î±-hydroxyphosphonates, alcohols and phenols by hexamethyldisilazane (HMDS) under solvent-free conditions. Journal of Organometallic Chemistry, 2008, 693, 2711-2714.	1.8	42
69	Palladium Nanoparticles Supported on Aminopropyl-Functionalized Clay as Efficient Catalysts for Phosphine-Free Câ€“C Bond Formation via Mizorokiâ€“Heck and Suzukiâ€“Miyaura Reactions. Bulletin of the Chemical Society of Japan, 2011, 84, 100-109.	3.2	42
70	Efficient and Selective Mono and Dinitration of Phenols With Cr(NO₃)₃Â·2N₂O₄as a New Nitrating Agent. Synthetic Communications, 1998, 28, 2773-2781.	2.1	41
71	H3PW12O40as a Useful Recyclable Heterogeneous Catalyst for the Facile and Highly Efficient Michael Addition Reaction of Thiols to Î±,Î²-Unsaturated Ketones. Synlett, 2005, 2005, 299-303.	1.8	41
72	Preparation of thiocyanates and isothiocyanates from alcohols, thiols, trimethylsilyl-, and tetrahydropyranyl ethers using triphenylphosphine/2,3-dichloro-5,6-dicyanobenzoquinone (DDQ)/n-Bu4NSCN system. Tetrahedron, 2006, 62, 5498-5501.	1.9	41

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73	Selective mono- and di-N-alkylation of aromatic amines with alcohols and acylation of aromatic amines using Ph3P/DDQ. Tetrahedron, 2009, 65, 3893-3899.	1.9	41
74	Zirconium Tetrachloride (ZrCl4) Catalyzed Highly Chemoselective and Efficient Transthioacetalization of Acetals. Synlett, 1999, 1999, 319-320.	1.8	40
75	Solvent-free Friedelâ€“Crafts acylation of aromatic compounds with carboxylic acids in the presence of trifluoroacetic anhydride and aluminum dodecatungstophosphate. Tetrahedron Letters, 2003, 44, 5343-5345.	1.4	40
76	Catalytic and chemoselective deprotection of S,S- and S,O-acetals and ketals in the presence of their O,O-analogs with electrophilic halogens under neutral conditions. Tetrahedron Letters, 2003, 44, 4769-4773.	1.4	39
77	Silicaphosphine (Silphos): a filterable reagent for the conversion of alcohols and thiols to alkyl bromides and iodides. Tetrahedron, 2005, 61, 5699-5704.	1.9	39
78	Deoxygenation of Sulfoxides and Reductive Coupling of Sulfonyl Chlorides, Sulfinates and Thiosulfonates Using Silphos [PCl3-n(SiO2)n] as a Heterogeneous Phosphine Reagent. Synlett, 2005, 2005, 1447-1449.	1.8	39
79	Highly efficient and stable palladium nanocatalysts supported on an ionic liquid-modified xerogel. Chemical Communications, 2008, , 6155.	4.1	39
80	2-Aminophenyl diphenylphosphinite as an easily accessible ligand for heterogeneous palladium-catalyzed Suzukiâ€“Miyaura reaction in water in the absence of any organic co-solvent. Journal of Organometallic Chemistry, 2010, 695, 2093-2097.	1.8	39
81	Reduction of oxygenated organosulfur compounds. Journal of Sulfur Chemistry, 2008, 29, 53-97.	2.0	38
82	Carboxylateâ€Based, Roomâ€Temperature Ionic Liquids as Efficient Media for Palladiumâ€Catalyzed Homocoupling and Sonogashiraâ€“Hagihara Reactions of Aryl Halides. European Journal of Organic Chemistry, 2012, 2012, 305-311.	2.4	37
83	Reactions of epoxides and episulfides with electrophilic halogens. Tetrahedron, 2002, 58, 7037-7042.	1.9	36
84	Facile preparation of symmetrical and unsymmetrical ethers from their corresponding alcohols catalyzed by aluminumdodecatangstophosphate (AlPW12O40), as a versatile and a highly water tolerant Lewis acid. Journal of Molecular Catalysis A, 2005, 227, 97-100.	4.8	36
85	Dinitrogen Tetroxide Impregnated Charcoal (N₂O₄/Charcoal): Selective Oxidation of Thiols to Disulfides or Thiosulfonates. Phosphorus, Sulfur and Silicon and the Related Elements, 2006, 181, 473-479.	1.6	35
86	Highly Efficient Halogenation of Organic Compounds with Halides Catalyzed by Cerium(III) Chloride Heptahydrate Using Hydrogen Peroxide as the Terminal Oxidant in Water. Advanced Synthesis and Catalysis, 2009, 351, 1925-1932.	4.3	35
87	Heteropoly Acids as Heterogeneous Catalysts for Thioacetalization and Transthioacetalization Reactions. Synthesis, 2002, 2002, 0059.	2.3	34
88	Preparation of Î±-ketophosphonates by oxidation of Î±-hydroxyphosphonates with neutral alumina supported potassium permanganate (NASPP) under solvent-free conditions and potassium permanganate in dry benzene. Tetrahedron Letters, 2002, 43, 477-480.	1.4	34
89	Facile conversion of alcohols into their bromides and iodides by N-bromo and N-iodosaccharins/triphenylphosphine under neutral conditions. Tetrahedron Letters, 2006, 47, 1771-1775.	1.4	34
90	Palladium nanoparticles supported on silica diphenylphosphinite as efficient catalyst for Câ€O and Câ€S arylation of aryl halides. Applied Organometallic Chemistry, 2013, 27, 501-506.	3.5	34

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91	Highly chemoselective nitration of aromatic amines using the Ph3P/Br2/AgNO3 system. Tetrahedron Letters, 2006, 47, 6879-6881.	1.4	33
92	Dodecatungstophosphoric acid (H3PW12O40) as a highly efficient catalyst for the amidation of alcohols and protected alcohols with nitriles in water: A modified Ritter reaction. Catalysis Communications, 2008, 9, 529-531.	3.3	33
93	Facile and High-Yielding Preparation of Î±-Acetoxyphosphonates from Î±-Hydroxyphosphonates Assisted by Microwave Irradiation. Synthesis, 2004, 2004, 1771-1774.	2.3	32
94	Silica gel catalyzed highly selective CS bond formation via Michael addition of thiols to Î±,Î²-unsaturated ketones under solvent-free conditions. Journal of Molecular Catalysis A, 2006, 249, 98-102.	4.8	32
95	Sulfonic acid-functionalized magnetic nanoparticles as a recyclable and eco-friendly catalyst for atom economical Michael addition reactions and bis indolyl methane synthesis. RSC Advances, 2015, 5, 3023-3030.	3.6	32
96	Conversion of Alcohols, Thiols, Carboxylic Acids, Trimethylsilyl Ethers, and Carboxylates to Thiocyanates with Triphenylphosphine/Diethylazodicarboxylate/NH4SCN. Synthesis, 2004, 2004, 92-96.	2.3	31
97	Dinitrogen Tetraoxide Complexes of Iron(III) and Copper(II) as Efficient and Mild Reagents for Oxidation of Hydroxy Compounds. Bulletin of the Chemical Society of Japan, 1998, 71, 905-908.	3.2	30
98	High yield preparation of Î±-ketophosphonates by oxidation of Î±-hydroxyphosphonates with zinc dichromate trihydrate (ZnCr2O7Â·3H2O) under solvent-free conditions. Tetrahedron Letters, 2001, 42, 4369-4371.	1.4	30
99	Efficient conversion of thiols to thiocyanates by in situ generated Ph3P(SCN)2. Tetrahedron Letters, 2002, 43, 3439-3441.	1.4	30
100	Tungstophosphoric acid supported on silica gel (H3PW12O40/SiO2) as an eco-friendly, reusable and heterogeneous catalyst for chemoselective oxathioacetalization of carbonyl compounds in solution or under solvent-free conditions. Journal of Molecular Catalysis A, 2006, 247, 14-18.	4.8	30
101	Heteropoly acid cesium salt/cetyltrimethylammonium bromide a catalytic heterogeneous system which highly controls regioselective bromination of aromatic compounds with bromine. Journal of Molecular Catalysis A, 2003, 195, 289-294.	4.8	29
102	Dinitrogen Tetroxideâ€“Impregnated Charcoal (N2O4/Charcoal): Selective Nitrosation of Amines, Amides, Ureas, and Thiols. Synthetic Communications, 2005, 35, 1517-1526.	2.1	29
103	A copper acetate/2-aminobenzenthiol complex supported on magnetite/silica nanoparticles as a highly active and recyclable catalyst for 1,2,3-triazole synthesis. RSC Advances, 2015, 5, 107474-107481.	3.6	27
104	Dichlorobis(1,4-diazabicyclo[2.2.2]octane)(tetrahydroborato)zirconium(IV), [Zr(BH4)2Cl2(dabco)2](ZrBDC), as a New, Stable, and Versatile Bench Top Reducing Agent: Reduction of Imines and Enamines, Reductive Amination of Aldehydes and Ketones and Reductive Methylation of Amines. Bulletin of the Chemical Society of Japan, 2003, 76, 143-151.	3.2	26
105	PPh3/DDQ as a neutral system for the facile preparation of diethyl Î±-bromo, Î±-iodo and Î±-azidophosphonates from diethyl Î±-hydroxyphosphonates. Tetrahedron, 2004, 60, 203-210.	1.9	26
106	Carbonâ€“carbon bond formation via homocoupling reaction of substrates with a broad diversity in water using Pd(OAc)2 and agarose hydrogel as a bioorganic ligand, support and reductant. Journal of Molecular Catalysis A, 2011, 348, 94-99.	4.8	26
107	Palladium nanoparticles supported on SiO₂ by chemical vapor deposition (CVD) technique as efficient catalyst for Suzukiâ€“Miyaura coupling of aryl bromides and iodides: selective coupling of halophenols. Applied Organometallic Chemistry, 2012, 26, 417-424.	3.5	26
108	In situ generated Ph3P(OAc)2 as a novel reagent for the efficient acetylation of alcohols and thiols at room temperature. Tetrahedron Letters, 2013, 54, 1813-1816.	1.4	26

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109	First reusable ligand-free palladium catalyzed Câ€“P bond formation of aryl halides with trialkylphosphites in neat water. RSC Advances, 2014, 4, 55732-55737.	3.6	25
110	Palladiumâ€catalysed reductive carbonylation of aryl halides with iron pentacarbonyl for synthesis of aromatic aldehydes and deuterated aldehydes. Applied Organometallic Chemistry, 2015, 29, 719-724.	3.5	25
111	Highly Efficient Oxidative Coupling of Thiols by Active Manganese Dioxide (AMD) and Barium Manganate (BM) Under Solvent-Free Conditions at Room Temperature. Synthetic Communications, 1999, 29, 2527-2531.	2.1	24
112	Neutral Lithium Triflate (LiOTf) Efficiently Catalyzes Chemoselective Preparations of Cyclic and Acyclic Dithioacetals from Carbonyl Compounds, Acylals, and O,O-Cyclic and Open-Chain Acetals under Solvent-Free Conditions. Bulletin of the Chemical Society of Japan, 2001, 74, 2401-2406.	3.2	24
113	Silica chloride in the presence of NaI is a useful system for the efficient and selective conversion of TMS, TBDMS and THP ethers into their corresponding iodides. Tetrahedron Letters, 2002, 43, 7139-7141.	1.4	24
114	An efficient and chemoselective method for protection of thiols catalyzed by aluminumdodecatungstophosphate (AlPW12O40), as a highly water tolerant Lewis acid catalyst. Tetrahedron Letters, 2005, 46, 2683-2686.	1.4	24
115	Silicadiphenyl phosphinite (SDPP)/Pd(0) nanocatalyst for efficient aminocarbonylation of aryl halides with POCl3 and DMF. Journal of Molecular Catalysis A, 2012, 355, 69-74.	4.8	24
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