Iraj Mohammadpoor-Baltork

List of Publications by Year
in descending order

333 papers	7,986 citations	61857 43 h-index	133063 59 g-index
353 all docs	353 docs citations	353 times ranked	6147 citing authors

#	Article	IF	Citations
1	Efficient biodiesel production using a lipase@ZIF-67 nanobioreactor. Chemical Engineering Journal, 2018, 334, 1233-1241.	6.6	175
2	Palladium Nanoparticles Immobilized on Nanoâ€Silica Triazine Dendritic Polymer (Pd_{<i>np</i>}â€nSTDP): An Efficient and Reusable Catalyst for Suzukiâ€“Miyaura Crossâ€Coupling and Heck Reactions. Advanced Synthesis and Catalysis, 2013, 355, 957-972.	2.1	141
3	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
4	Bismuth(III) salts as convenient and efficient catalysts for the selective acetylation and benzoylation of alcohols and phenols. Tetrahedron, 2001, 57, 5851-5854.	1.0	102
5	Mercury selective membrane electrodes using 2-mercaptobenzimidazole, 2-mercaptobenzothiazole, and hexathiacyclooctadecane carriers. Sensors and Actuators B: Chemical, 2000, 63, 80-85.	4.0	90
6	Bi(TFA)3â€“[nbp]FeCl4: a new, efficient and reusable promoter system for the synthesis of 4(3H)-quinazolinone derivatives. Tetrahedron Letters, 2006, 47, 3561-3564.	0.7	87
7	Highly dispersed palladium nanoparticles supported on amino functionalized metal-organic frameworks as an efficient and reusable catalyst for Suzuki cross-coupling reaction. Journal of Organometallic Chemistry, 2014, 761, 127-133.	0.8	86
8	Alkene epoxidation catalyzed by molybdenum supported on functionalized MCM-41 containing Nâ€“S chelating Schiff base ligand. Catalysis Communications, 2009, 10, 853-858.	1.6	85
9	Studies on DNA binding properties of new Schiff base ligands using spectroscopic, electrochemical and computational methods: Influence of substitutions on DNA-binding. Journal of Molecular Liquids, 2018, 253, 61-71.	2.3	78
10	SPIONs-bis(NHC)-palladium(II): A novel, powerful and efficient catalyst for Mizorokiâ€“Heck and Suzukiâ€“Miyaura Câ€“C coupling reactions. Journal of Molecular Catalysis A, 2014, 385, 78-84.	4.8	72
11	Copper Immobilized on Nanosilica Triazine Dendrimer (Cu(II)-TD@nSiO₂)-Catalyzed Regioselective Synthesis of 1,4-Disubstituted 1,2,3-Triazoles and Bis- and Tris-Triazoles via a One-Pot Multicomponent Click Reaction. Journal of Organic Chemistry, 2014, 79, 1437-1443.	1.7	70
12	Task-Specific Ionic Liquid Functionalizedâ€“MILâ€“101(Cr) as a Heterogeneous and Efficient Catalyst for the Cycloaddition of CO₂ with Epoxides Under Solvent Free Conditions. ACS Sustainable Chemistry and Engineering, 2019, 7, 3962-3973.	3.2	66
13	Synthesis and characterization of Cu(II) containing nanosilica triazine dendrimer: A recyclable nanocomposite material for the synthesis of benzimidazoles, benzothiazoles, bis-benzimidazoles and bis-benzothiazoles. Journal of Molecular Catalysis A, 2013, 379, 243-254.	4.8	62
14	Efficient alkene epoxidation catalyzed by molybdenyl acetylacetonate supported on aminated UiO-66 metalâˆ'organic framework. Journal of Solid State Chemistry, 2015, 226, 262-272.	1.4	62
15	Synthesis, characterization and biological application of four novel metal-Schiff base complexes derived from allylamine and their interactions with human serum albumin: Experimental, molecular docking and ONIOM computational study. Journal of Photochemistry and Photobiology B: Biology, 2016, 162, 448-462.	1.7	62
16	Potassium dodecatangestocobaltate trihydrate (K 5 CoW 12 O 40 Â·3H 2 O): a mild and efficient catalyst for the tetrahydropyranylation of alcohols and their detetrahydropyranylation. Tetrahedron Letters, 2001, 42, 2851-2853.	0.7	61
17	Catalytic epoxidation of olefins with hydrogen peroxide by hybrid complex containing nickel(III) Schiff base complex covalently linked to polyoxometalate. Applied Catalysis A: General, 2008, 334, 106-111.	2.2	60
18	Mild and Efficient Synthesis of Benzoxazoles, Benzothiazoles, Benzimidazoles, and Oxazolo[4,5-b]pyridines Catalyzed by Bi(III) Salts Under Solvent-Free Conditions. Monatshefte FÃ¼r Chemie, 2007, 138, 663-667.	0.9	58

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19	A Novel and Chemoselective Synthesis of 2-Aryloxazolines and Bis-oxazolines Catalyzed by Bi(III) Salts. Synlett, 2005, 2005, 2747-2750.	1.0	57
20	ZrOCl2Â·8H2O as an efficient, environmentally friendly and reusable catalyst for synthesis of benzoxazoles, benzothiazoles, benzimidazoles and oxazolo[4,5-b]pyridines under solvent-free conditions. Catalysis Communications, 2007, 8, 1865-1870.	1.6	57
21	High-valent tin(IV) porphyrin, SnIV(TPP)(BF4)2, as an efficient catalyst for the ring-opening of epoxides. Catalysis Communications, 2007, 8, 2087-2095.	1.6	55
22	MIL-101 metalâ€"organic framework: A highly efficient heterogeneous catalyst for oxidative cleavage of alkenes with H2O2. Catalysis Communications, 2012, 17, 18-22.	1.6	55
23	Magnetic nanoparticles supported manganese(III) tetrapyridylporphyrin catalyst via covalent interaction: A highly efficient and reusable catalyst for the oxidation of hydrocarbons. Polyhedron, 2013, 49, 158-166.	1.0	55
24	Nano-silica supported acidic ionic liquid as an efficient catalyst for the multi-component synthesis of indazolophthalazine-triones and bis-indazolophthalazine-triones. Catalysis Science and Technology, 2013, 3, 2717.	2.1	54
25	Benzyltriphenylphosphonium Peroxodisulfate (PhCH2PPh3)2S2O8: a Mild and Inexpensive Reagent for Efficient Oxidation of Organic Compounds under Nonaqueous and Aprotic Conditions. Bulletin of the Chemical Society of Japan, 1998, 71, 1649-1653.	2.0	53
26	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
27	Highly efficient and selective acetylation of alcohols and phenols with acetic anhydride catalyzed by a high-valent tin(IV) porphyrin, Sn(TPP)(BF4)2. Journal of Molecular Catalysis A, 2007, 274, 217-223.	4.8	52
28	Hydrocarbon oxidation catalyzed by vanadium polyoxometalate supported on mesoporous MCM-41 under ultrasonic irradiation. Ultrasonics Sonochemistry, 2008, 15, 438-447.	3.8	52
29	Manganese(III) porphyrin supported on multi-wall carbon nanotubes: A highly efficient and reusable biomimetic catalyst for epoxidation of alkenes with sodium periodate. Polyhedron, 2009, 28, 3816-3822.	1.0	52
30	Mild and efficient oxidation of alcohols with sodium periodate catalyzed by polystyrene-bound Mn(III)porphyrin. Bioorganic and Medicinal Chemistry, 2005, 13, 2901-2905.	1.4	51
31	Efficient epoxidation of alkenes with sodium periodate catalyzed by reusable manganese(III) salophen supported on multi-wall carbon nanotubes. Applied Catalysis A: General, 2010, 381, 233-241.	2.2	51
32	Synthesis, characterization, crystal structure, DNA- and HSA-binding studies of a dinuclear Schiff base Zn(II) complex derived from 2-hydroxynaphtaldehyde and 2-picolylamine. Journal of Molecular Structure, 2015, 1096, 110-120.	1.8	51
33	Copolymerâ€Templated Nickel Oxide for Highâ€Efficiency Mesoscopic Perovskite Solar Cells in Inverted Architecture. Advanced Functional Materials, 2021, 31, 2102237.	7.8	51
34	Supported 12-tungstophosphoric acid as heterogeneous and recoverable catalysts for the synthesis of oxazolines, imidazolines and thiazolines under solvent-free conditions. Polyhedron, 2008, 27, 750-758.	1.0	50
35	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
36	3-Carboxypyridinium Chlorochromate (CPCC):1 A Mild, Efficient and Inexpensive Reagent for Oxidative Deprotection of Trimethylsilyl and Tetrahydropyranyl Ethers under Non-Aqueous Conditions. Synthesis, 1997, 1997, 756-758.	1.2	49

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37	ZrOCl2Â·8H2O as an environmentally friendly and recyclable catalyst for the chemoselective synthesis of 2-aryloxazolines and bis-oxazolines under thermal conditions and microwave irradiation. Catalysis Communications, 2007, 8, 200-204.	1.6	48
38	Rapid and highly efficient trimethylsilylation of alcohols and phenols with hexamethyldisilazane (HMDS) catalyzed by reusable zirconyl triflate, [ZrO(OTf)2]. Journal of Organometallic Chemistry, 2008, 693, 2041-2046.	0.8	48
39	Metal organic framework-supported N -heterocyclic carbene palladium complex: A highly efficient and reusable heterogeneous catalyst for Suzuki-Miyaura C-C coupling reaction. Microporous and Mesoporous Materials, 2017, 253, 102-111.	2.2	48
40	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
41	Manganese(III) tetrapyridylporphyrin-chloromethylated MIL-101 hybrid material: A highly active catalyst for oxidation of hydrocarbons. Applied Catalysis A: General, 2014, 477, 34-41.	2.2	47
42	Environmental-friendly synthesis of oxazolines, imidazolines and thiazolines catalyzed by tungstophosphoric acid. Catalysis Communications, 2008, 9, 1153-1161.	1.6	45
43	Host (nanocavity of zeolite-Y or X)â€“guest (manganese (III) tetrakis[4-N-methylpyridinum]porphyrin) nanocomposite materials as efficient catalysts for biomimetic alkene epoxidation with sodium periodate: Shape-selective epoxidation of linear alkenes. Journal of Molecular Catalysis A, 2009, 302, 68-75.	4.8	45
44	Oxidation of 1,4-Dihydropyridines under Mild and Heterogeneous Conditions. Synthetic Communications, 2000, 30, 2945-2950.	1.1	44
45	Oxidation of alkanes with hydrogen peroxide catalyzed by Schiff base complexes covalently anchored to polyoxometalate. Catalysis Communications, 2008, 9, 2171-2174.	1.6	44
46	CHEMOSELECTIVE OXIDATION OF 1,4-DIHYDROPYRIDINES WITH [NO+.CROWN.H(NO3)2â^']. Synthetic Communications, 2001, 31, 929-934.	1.1	43
47	Bismuth(III) nitrate pentahydrate: a convenient and selective reagent for conversion of thiocarbonyls to their carbonyl compounds. Tetrahedron Letters, 2003, 44, 591-594.	0.7	43
48	Microwave-Promoted Alkynylation-Cyclization of 2-Aminoaryl Ketones: A Green Strategy for the Synthesis of 2,4-Disubstituted Quinolines. Synlett, 2010, 2010, 3104-3112.	1.0	43
49	Aromatization of 1,4-Dihydropyridines Under Mild and Heterogeneous Conditions. Synthetic Communications, 2000, 30, 3919-3923.	1.1	42
50	An Efficient and Selective Oxidation of Benzylic Alcohols to the Corresponding Carbonyl Compounds under Solvent-Free Conditions. Chemistry Letters, 2000, 29, 120-121.	0.7	41
51	Silica sulfuric acid catalyzed synthesis of benzoxazoles, benzimidazoles and oxazolo[4,5-b]pyridines under heterogeneous and solvent-free conditions. Journal of the Iranian Chemical Society, 2008, 5, S65-S70.	1.2	41
52	Synthesis and characterization of Bi(<scp>iii</scp>) immobilized on triazine dendrimer-stabilized magnetic nanoparticles: a reusable catalyst for the synthesis of aminonaphthoquinones and bis-aminonaphthoquinones. New Journal of Chemistry, 2016, 40, 6171-6184.	1.4	41
53	Development of a novel bi-enzymatic silver dendritic hierarchical nanostructure cascade catalytic system for efficient conversion of starch into gluconic acid. Chemical Engineering Journal, 2019, 356, 423-435.	6.6	41
54	Novel and chemoselective dehydrogenation of 2-substituted imidazolines with potassium permanganate supported on silica gel. Tetrahedron Letters, 2004, 45, 8687-8690.	0.7	40

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55	Synthesis of 3â€substituted indoles promoted by pulverizationâ€activation method catalyzed by Bi(NO₃)₃Â·5H₂O. Journal of Heterocyclic Chemistry, 2008, 45, 377-381.	1.4	40
56	Ultrasound-assisted thiocyanation of aromatic and heteroaromatic compounds using ammonium thiocyanate and DDQ. Ultrasonics Sonochemistry, 2008, 15, 456-462.	3.8	40
57	Sonochemical and visible light induced photochemical and sonophotochemical degradation of dyes catalyzed by recoverable vanadium-containing polyphosphomolybdate immobilized on TiO2 nanoparticles. Ultrasonics Sonochemistry, 2008, 15, 815-822.	3.8	40
58	Biomimetic oxidation of sulfides with sodium periodate catalyzed by polystyrene-bound manganese (III) tetrapyridylporphyrin. Applied Catalysis A: General, 2008, 349, 177-181.	2.2	40
59	Organicâ€“inorganic hybrid polyoxometalates: Efficient, heterogeneous and reusable catalysts for solvent-free synthesis of azlactones. Applied Catalysis A: General, 2011, 397, 27-34.	2.2	40
60	New Pyridinium-Based Ionic Liquid as an Excellent Solventâ€“Catalyst System for the One-Pot Three-Component Synthesis of 2,3-Disubstituted Quinolines. ACS Combinatorial Science, 2014, 16, 93-100.	3.8	40
61	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
62	Ru(salophen)Cl supported on polystyrene-bound imidazole: An efficient and robust heterogeneous catalyst for epoxidation of alkenes with sodium periodate. Applied Catalysis A: General, 2009, 370, 66-71.	2.2	39
63	Highly efficient chemical fixation of carbon dioxide catalyzed by high-valent tetraphenylporphyrinatotin(IV) triflate. Inorganic Chemistry Communication, 2011, 14, 1489-1493.	1.8	39
64	Bi(TFA)3 immobilized in [nbpy]FeCl4: An efficient catalyst system for the one-pot synthesis of 4,6-diarylpyrimidin-2(1H)-ones. Catalysis Communications, 2006, 7, 713-716.	1.6	38
65	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
66	Rapid, highly efficient and chemoselective trimethylsilylation of alcohols and phenols with hexamethyldisilazane (HMDS) catalyzed by reusable electronâ€deficient tin(IV)porphyrin. Applied Organometallic Chemistry, 2009, 23, 446-454.	1.7	38
67	Molybdenum hexacarbonyl supported on functionalized multi-wall carbon nanotubes: Efficient and highly reusable catalysts for epoxidation of alkenes with tert-butyl hydroperoxide. Journal of Organometallic Chemistry, 2010, 695, 2014-2021.	0.8	38
68	MoO2(acac)2 supported on silica functionalized imidazole as a highly efficient and reusable catalyst for alkene epoxidation with tert-BuOOH. Inorganic Chemistry Communication, 2008, 11, 270-274.	1.8	37
69	Investigation of catalytic activity of cobaltâ€“Schiff base complex covalently linked to the polyoxometalate in the alkene and benzyl halide oxidation with hydrogen peroxide. Catalysis Communications, 2008, 9, 219-223.	1.6	37
70	Synthesis and characterization of mangenese(III) porphyrin supported on imidazole modified chloromethylated MIL-101(Cr): A heterogeneous and reusable catalyst for oxidation of hydrocarbons with sodium periodate. Journal of Solid State Chemistry, 2014, 218, 56-63.	1.4	37
71	Elegant pH-Responsive Nanovehicle for Drug Delivery Based on Triazine Dendrimer Modified Magnetic Nanoparticles. Langmuir, 2017, 33, 8503-8515.	1.6	37
72	Efficient oxidation of sulfides with sodium periodate catalyzed by manganese(III) Schiff base complexes. Journal of Molecular Catalysis A, 2005, 242, 251-255.	4.8	36

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73	Multi-wall carbon nanotubes supported molybdenum hexacarbonyl: An efficient and highly reusable catalyst for epoxidation of alkenes with tert-butyl hydroperoxide. Journal of Molecular Catalysis A, 2010, 329, 44-49.	4.8	36
74	Multi-wall carbon nanotube supported manganese(III)tetraphenylporphyrin: efficient catalysts for epoxidation of alkenes with NaIO4 under various reaction conditions. Journal of Coordination Chemistry, 2012, 65, 1144-1157.	0.8	35
75	DDQ-promoted thiocyanation of aromatic and heteroaromatic compounds. Canadian Journal of Chemistry, 2007, 85, 930-937.	0.6	34
76	Efficient synthesis of 1,5-benzodiazepines catalyzed by silica supported 12-tungstophosphoric acid. Catalysis Communications, 2008, 9, 2496-2502.	1.6	34
77	Selective oxidation of alcohols to aldehydes using inorganicâ€“organic hybrid catalyst based on zinc substituted polyoxometalate and ionic liquid. Journal of Coordination Chemistry, 2012, 65, 1071-1081.	0.8	34
78	Pd Nanoparticles Immobilized on Nanosilica Triazine Dendritic Polymer: A Reusable Catalyst for the Synthesis of Monoâ€; Diâ€; and Trialkynylaromatics by Sonogashira Crossâ€Coupling in Water. European Journal of Organic Chemistry, 2014, 2014, 5603-5609.	1.2	34
79	Ionic Liquid-Decorated MIL-101(Cr) via Covalent and Coordination Bonds for Efficient Solvent-Free CO₂ Conversion and CO₂ Capture at Low Pressure. Journal of Physical Chemistry C, 2020, 124, 8716-8725.	1.5	34
80	Potentiometric Detection of 2-Mercaptobenzimidazole and 2-Mercaptobenzothiazole at Cobalt Phthalocyanine Modified Carbon-Paste Electrode. Electroanalysis, 2000, 12, 863-867.	1.5	33
81	ZrOCl2Â·8H2O: An efficient and reusable catalyst for the synthesis of imidazolines and bis-imidazolines under various reaction conditions. Applied Catalysis A: General, 2007, 325, 99-104.	2.2	33
82	Efficient and environmentally-benign three-component synthesis of quinolines and bis-quinolines catalyzed by recyclable potassium dodecatungstocobaltate trihydrate under microwave irradiation. RSC Advances, 2012, 2, 8713.	1.7	33
83	Interactions of gemini surfactants with two model proteins: NMR, CD, and fluorescence spectroscopies. Journal of Colloid and Interface Science, 2012, 369, 245-255.	5.0	33
84	Catalytic CO2 fixation using tin porphyrin supported on organic and inorganic materials under mild conditions. Journal of Molecular Catalysis A, 2015, 398, 1-10.	4.8	33
85	Copper Dithiol Complex Supported on Silica Nanoparticles: A Sustainable, Efficient, and Eco-friendly Catalyst for Multicomponent Click Reaction. ACS Sustainable Chemistry and Engineering, 2016, 4, 1454-1462.	3.2	33
86	Self-recognition of the racemic ligand in the formation of homochiral dinuclear V(V) complex: InÂvitro anticancer activity, DNA and HSA interaction. European Journal of Medicinal Chemistry, 2017, 135, 230-240.	2.6	33
87	Bi(TFA)3 and Bi(OTf)3 Catalyzed Conversions of Epoxides to Thiiranes with Ammonium Thiocyanate and Thiourea under Non-Aqueous Conditions. Molecules, 2001, 6, 996-1000.	1.7	32
88	A comparative study of oxidation of alkanes and alkenes by hydrogen peroxide catalyzed by Cu(salen) complex covalently bound to a Keggin type polyoxometalate and its neat counterpart. Catalysis Communications, 2008, 9, 2411-2416.	1.6	32
89	Diastereoselective Synthesis of Pyrazolines using a Bifunctional BrÃ¸nsted Acidic Ionic Liquid under Solventâ€Free Conditions. Advanced Synthesis and Catalysis, 2012, 354, 3095-3104.	2.1	32
90	Potassium dodecatangestocobaltate trihydrate (K5CoW12O40Â·3H2O): a mild and efficient catalyst for deprotection of dioxolanes and trimethylsilyl ethers. Tetrahedron Letters, 2001, 42, 6771-6774.	0.7	31

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91	Novel, Mild and Chemoselective Dehydrogenation of 2-Imidazolines with Trichloroisocyanuric Acid. Synlett, 2004, 2004, 2803-2805.	1.0	31
92	Catalytic oxidation of olefins with hydrogen peroxide catalyzed by [Fe(III)(salen)Cl] complex covalently linked to polyoxometalate. Inorganic Chemistry Communication, 2007, 10, 1537-1540.	1.8	31
93	Investigation of the catalytic activity of an electron-deficient vanadium(IV) tetraphenylporphyrin: A new, highly efficient and reusable catalyst for ring-opening of epoxides. Polyhedron, 2011, 30, 2244-2252.	1.0	31
94	Host (nanocavity of zeolite Y)-guest (ruthenium(III) salophen complex) nanocomposite materials: An efficient and reusable catalyst for shape-selective epoxidation of linear alkenes with sodium periodate. Journal of Molecular Catalysis A, 2013, 377, 92-101.	4.8	31
95	Polystyrene-supported ionic liquid copper complex: A reusable catalyst for one-pot three-component click reaction. Applied Catalysis A: General, 2015, 503, 186-195.	2.2	31
96	Synthesis, characterization and separation of chiral and achiral diastereomers of Schiff base Pd(II) complex: A comparative study of their DNA- and HSA-binding. Journal of Photochemistry and Photobiology B: Biology, 2016, 163, 246-260.	1.7	30
97	Ruthenium Nanoparticles Immobilized on Nano-silica Functionalized with Thiol-Based Dendrimer: A Nanocomposite Material for Oxidation of Alcohols and Epoxidation of Alkenes. Catalysis Letters, 2018, 148, 1110-1123.	1.4	30
98	Novel bovine carbonic anhydrase encapsulated in a metalâ€“organic framework: a new platform for biomimetic sequestration of CO₂. RSC Advances, 2019, 9, 28460-28469.	1.7	30
99	BENZYLTRIPHENYLPHOSPHONIUM DICHROMATE AS A MILD REAGENT FOR THE OXIDATION OF ORGANIC COMPOUNDS. Organic Preparations and Procedures International, 1999, 31, 335-341.	0.6	29
100	Molybdenum Schiff base-polyoxometalate hybrid compound: A heterogeneous catalyst for alkene epoxidation with tert-BuOOH. Polyhedron, 2010, 29, 648-654.	1.0	29
101	One-Pot Three-Component Synthesis of Pyrano [3,2-<i>b</i>]pyrazolo[4,3-<i>e</i>]pyridin-8(1<i>H</i>)-ones. ACS Combinatorial Science, 2013, 15, 141-146.	3.8	29
102	Copper(ii) ionic liquid catalyzed cyclizationâ€“aromatization of hydrazones with dimethyl acetylenedicarboxylate: a green synthesis of fully substituted pyrazoles. New Journal of Chemistry, 2013, 37, 2037.	1.4	29
103	Alumina supported potassium permanganate: an efficient reagent for chemoselective dehydrogenation of 2-imidazolines under mild conditions. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 6079-6082.	1.0	28
104	Multi-wall carbon nanotube supported tungsten hexacarbonyl: an efficient and reusable catalyst for epoxidation of alkenes with hydrogen peroxide. Journal of Coordination Chemistry, 2012, 65, 226-238.	0.8	28
105	A new and facile access to the 2-(indol-3-yl)-3-nitriloquinolines based on FriedlÃnder annulations. Tetrahedron, 2012, 68, 6059-6064.	1.0	28
106	Electron-deficient tin(IV)tetraphenylporphyrin perchlorate: A highly efficient catalyst for chemical fixation of carbon dioxide. Polyhedron, 2012, 32, 68-72.	1.0	28
107	Manganese porphyrin immobilized on magnetite nanoparticles as a recoverable nanocatalyst for epoxidation of olefins. Materials Chemistry and Physics, 2014, 146, 113-120.	2.0	28
108	Anchoring of Cu(II) onto surface of porous metal-organic framework through post-synthesis modification for the synthesis of benzimidazoles and benzothiazoles. Journal of Solid State Chemistry, 2016, 235, 145-153.	1.4	28

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109	Polystyrene-bound Mn(T4PyP): A highly efficient and reusable catalyst for biomimetic oxidative decarboxylation of carboxylic acids with sodium periodate. Bioorganic and Medicinal Chemistry, 2009, 17, 3394-3398.	1.4	27
110	Olefin epoxidation with <i>tert</i>-BuOOH catalyzed by vanadium polyoxometalate immobilized on ionic liquid-modified MCM-41. Journal of Coordination Chemistry, 2011, 64, 4134-4144.	0.8	27
111	A simple and efficient large-scale synthesis of 3-hydroxyphthalans via oxa-Pictetâ€“Spengler reaction catalyzed by nanosilica sulfuric acid. Tetrahedron Letters, 2011, 52, 1213-1216.	0.7	27
112	Application of a multi-SO3H BrÃ¸nsted acidic ionic liquid in water: a highly efficient and reusable catalyst for the regioselective and scaled-up synthesis of pyrazoles under mild conditions. RSC Advances, 2012, 2, 5610.	1.7	27
113	Microwave-promoted efficient conversion of acetophenones to 1,3,5-triarylbenzenes catalyzed by H3PW12O40 and nano-silica supported H3PW12O40 as reusable catalysts. Polyhedron, 2012, 31, 721-728.	1.0	27
114	Oxidation of alkenes and sulfides catalyzed by a new binuclear molybdenum bis-oxazoline complex. Polyhedron, 2014, 72, 19-26.	1.0	27
115	Silica Sulfuric Acid: An Efficient Catalyst for the Direct Conversion of Primary and Secondary Trimethylsilyl Ethers to their Corresponding Ethers under Mild and Heterogeneous Conditions. Synlett, 2003, 2003, 1877-1879.	1.0	26
116	Preparation of an improved sulfonated carbon-based solid acid as a novel, efficient, and reusable catalyst for chemoselective synthesis of 2-oxazolines and bis-oxazolines. Monatshefte FÃ¼r Chemie, 2009, 140, 1489-1494.	0.9	26
117	High-valent tin(IV) porphyrin: An efficient and reusable catalyst for tetrahydropyranylation of alcohols and phenols under mild conditions. Inorganica Chimica Acta, 2010, 363, 1523-1528.	1.2	26
118	Sonocatalytic epoxidation of alkenes by vanadium-containing polyphosphomolybdate immobilized on multi-wall carbon nanotubes. Ultrasonics Sonochemistry, 2010, 17, 453-459.	3.8	26
119	Efficient one-pot synthesis of 2,3-dihydroquinazolin-4(1H)-ones from aromatic aldehydes and their one-pot oxidation to quinazolin-4(3H)-ones catalyzed by Bi(NO3)3Â·5H2O: Investigating the role of the catalyst. Comptes Rendus Chimie, 2011, 14, 944-952.	0.2	26
120	H₃PW₁₂O₄₀â€Catalysed Alkylation of Arenes and Diveratrylmethanes: Convenient Routes to Triarylmethanes and to Symmetrical and Unsymmetrical 9,10â€Diarylâ€2,3,6,7â€tetramethoxyanthracenes. European Journal of Organic Chemistry, 2011, 2011, 1357-1366.	1.2	26
121	MoO2(acac)2 supported on multi-wall carbon nanotubes: Highly efficient and reusable catalysts for alkene epoxidation with tert-BuOOH. Polyhedron, 2012, 48, 212-220.	1.0	26
122	[SnIV(TPP)(BF4)2]: An efficient and reusable catalyst for chemoselective trimethylsilylation of alcohols and phenols with hexamethyldisilazane. Polyhedron, 2010, 29, 212-219.	1.0	25
123	Investigation of catalytic activity of high-valent vanadium(IV) tetraphenylporphyrin: A new, highly efficient and reusable catalyst for acetylation of alcohols and phenols with acetic anhydride. Inorganica Chimica Acta, 2011, 377, 159-164.	1.2	25
124	Highly efficient and green synthesis of 14-aryl(alkyl)-14H-dibenzo[a,j]xanthene and 1,8-dioxooctahydroxanthene derivatives catalyzed by reusable zirconyl triflate [ZrO(OTf)2] under solvent-free conditions. Chinese Chemical Letters, 2011, 22, 9-12.	4.8	25
125	Copper immobilized on nano-silica triazine dendrimer (Cu(<scp>ii</scp>)-TD@nSiO₂) catalyzed synthesis of symmetrical and unsymmetrical 1,3-diynes under aerobic conditions at ambient temperature. RSC Advances, 2014, 4, 14291-14296.	1.7	25
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