

# Majid Moghadam

## List of Publications by Year in descending order

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333  
papers

8,064  
citations

53794

45  
h-index

133252

59  
g-index

380  
all docs

380  
docs citations

380  
times ranked

6653  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient biodiesel production using a lipase@ZIF-67 nanobioreactor. <i>Chemical Engineering Journal</i> , 2018, 334, 1233-1241.	12.7	175
2	Palladium Nanoparticles Immobilized on Nano-Silica Triazine Dendritic Polymer (Pd <sub>np</sub> @nSTDP): An Efficient and Reusable Catalyst for Suzuki-Miyaura Cross-Coupling and Heck Reactions. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 957-972.	4.3	141
3	Rapid and efficient ring opening of epoxides catalyzed by a new electron deficient tin(IV) porphyrin. <i>Tetrahedron</i> , 2004, 60, 6105-6111.	1.9	99
4	Highly dispersed palladium nanoparticles supported on amino functionalized metal-organic frameworks as an efficient and reusable catalyst for Suzuki cross-coupling reaction. <i>Journal of Organometallic Chemistry</i> , 2014, 761, 127-133.	1.8	86
5	Alkene epoxidation catalyzed by molybdenum supported on functionalized MCM-41 containing N-S chelating Schiff base ligand. <i>Catalysis Communications</i> , 2009, 10, 853-858.	3.3	85
6	Xylanase Immobilized on Novel Multifunctional Hyperbranched Polyglycerol-Grafted Magnetic Nanoparticles: An Efficient and Robust Biocatalyst. <i>Langmuir</i> , 2015, 31, 9219-9227.	3.5	84
7	One-pot synthesis of dihydropyrimidinones using facile and reusable polyoxometalate catalysts for the Biginelli reaction. <i>Applied Catalysis A: General</i> , 2006, 309, 44-51.	4.3	78
8	Studies on DNA binding properties of new Schiff base ligands using spectroscopic, electrochemical and computational methods: Influence of substitutions on DNA-binding. <i>Journal of Molecular Liquids</i> , 2018, 253, 61-71.	4.9	78
9	Highly efficient, stable and hysteresis-less planar perovskite solar cell based on chemical bath treated Zn <sub>2</sub> SnO <sub>4</sub> electron transport layer. <i>Nano Energy</i> , 2020, 75, 105038.	16.0	77
10	A convenient preparation of polymer-supported manganese porphyrin and its use as hydrocarbon monooxygenation catalyst. <i>Journal of Molecular Catalysis A</i> , 2004, 217, 9-12.	4.8	75
11	SPIONs-bis(NHC)-palladium(II): A novel, powerful and efficient catalyst for Mizoroki-Heck and Suzuki-Miyaura C coupling reactions. <i>Journal of Molecular Catalysis A</i> , 2014, 385, 78-84.	4.8	72
12	Copper Immobilized on Nanosilica Triazine Dendrimer (Cu(II)-TD@nSiO <sub>2</sub> )-Catalyzed Regioselective Synthesis of 1,4-Disubstituted 1,2,3-Triazoles and Bis- and Tris-Triazoles via a One-Pot Multicomponent Click Reaction. <i>Journal of Organic Chemistry</i> , 2014, 79, 1437-1443.	3.2	70
13	Manganese (III) salen immobilized on montmorillonite as biomimetic alkene epoxidation and alkane hydroxylation catalyst with sodium periodate. <i>Catalysis Communications</i> , 2006, 7, 289-296.	3.3	69
14	Task-Specific Ionic Liquid Functionalized MIL-101(Cr) as a Heterogeneous and Efficient Catalyst for the Cycloaddition of CO <sub>2</sub> with Epoxides Under Solvent Free Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3962-3973.	6.7	66
15	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. <i>Journal of Molecular Catalysis A</i> , 2013, 379, 243-254.	4.8	62
16	Nano-rod catalysts: Building MOF bottles (MIL-101 family as heterogeneous single-site catalysts) around vanadium oxide ships. <i>Journal of Molecular Catalysis A</i> , 2013, 374-375, 46-52.	4.8	62
17	Efficient alkene epoxidation catalyzed by molybdenyl acetylacetonate supported on aminated UiO-66 metal-organic framework. <i>Journal of Solid State Chemistry</i> , 2015, 226, 262-272.	2.9	62
18	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. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 162, 448-462.	3.8	62

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19	Catalytic epoxidation of olefins with hydrogen peroxide by hybrid complex containing nickel(III) Schiff base complex covalently linked to polyoxometalate. <i>Applied Catalysis A: General</i> , 2008, 334, 106-111.	4.3	60
20	Rapid and efficient synthesis of 2-imidazolines and bis-imidazolines under ultrasonic irradiation. <i>Tetrahedron Letters</i> , 2006, 47, 2129-2132.	1.4	57
21	Synthesis and characterization of a new porphyrin-polyoxometalate hybrid material and investigation of its catalytic activity. <i>Dalton Transactions</i> , 2012, 41, 3087.	3.3	57
22	Epoxidation of alkenes by a readily prepared and highly active and reusable heterogeneous molybdenum-based catalyst. <i>Applied Catalysis A: General</i> , 2006, 299, 131-136.	4.3	56
23	High-valent tin(IV) porphyrin, SnIV(TPP)(BF4)2, as an efficient catalyst for the ring-opening of epoxides. <i>Catalysis Communications</i> , 2007, 8, 2087-2095.	3.3	55
24	MIL-101 metal-organic framework: A highly efficient heterogeneous catalyst for oxidative cleavage of alkenes with H2O2. <i>Catalysis Communications</i> , 2012, 17, 18-22.	3.3	55
25	Magnetic nanoparticles supported manganese(III) tetrapyrrolylporphyrin catalyst via covalent interaction: A highly efficient and reusable catalyst for the oxidation of hydrocarbons. <i>Polyhedron</i> , 2013, 49, 158-166.	2.2	55
26	Rapid and efficient oxidative decarboxylation of carboxylic acids with sodium periodate catalyzed by manganese (III) Schiff base complexes. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 903-906.	3.0	54
27	Water-soluble manganese(III) salen complex as a mild and selective catalyst for oxidation of alcohols. <i>Applied Catalysis A: General</i> , 2006, 315, 52-57.	4.3	54
28	Nano-silica supported acidic ionic liquid as an efficient catalyst for the multi-component synthesis of indazolophthalazine-triones and bis-indazolophthalazine-triones. <i>Catalysis Science and Technology</i> , 2013, 3, 2717.	4.1	54
29	Highly efficient and selective acetylation of alcohols and phenols with acetic anhydride catalyzed by a high-valent tin(IV) porphyrin, Sn(TPP)(BF4)2. <i>Journal of Molecular Catalysis A</i> , 2007, 274, 217-223.	4.8	52
30	Hydrocarbon oxidation catalyzed by vanadium polyoxometalate supported on mesoporous MCM-41 under ultrasonic irradiation. <i>Ultrasonics Sonochemistry</i> , 2008, 15, 438-447.	8.2	52
31	Manganese(III) porphyrin supported on multi-wall carbon nanotubes: A highly efficient and reusable biomimetic catalyst for epoxidation of alkenes with sodium periodate. <i>Polyhedron</i> , 2009, 28, 3816-3822.	2.2	52
32	Mild and efficient oxidation of alcohols with sodium periodate catalyzed by polystyrene-bound Mn(III)porphyrin. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 2901-2905.	3.0	51
33	Efficient epoxidation of alkenes with sodium periodate catalyzed by reusable manganese(III) salophen supported on multi-wall carbon nanotubes. <i>Applied Catalysis A: General</i> , 2010, 381, 233-241.	4.3	51
34	Synthesis, characterization, crystal structure, DNA- and HSA-binding studies of a dinuclear Schiff base Zn(II) complex derived from 2-hydroxynaphthaldehyde and 2-picolyamine. <i>Journal of Molecular Structure</i> , 2015, 1096, 110-120.	3.6	51
35	Copolymer-templated Nickel Oxide for High-Efficiency Mesoscopic Perovskite Solar Cells in Inverted Architecture. <i>Advanced Functional Materials</i> , 2021, 31, 2102237.	14.9	51
36	Supported 12-tungstophosphoric acid as heterogeneous and recoverable catalysts for the synthesis of oxazolines, imidazolines and thiazolines under solvent-free conditions. <i>Polyhedron</i> , 2008, 27, 750-758.	2.2	50

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37	Silica supported Mn(Br8TPP)Cl and Mn(TPP)Cl as efficient and reusable catalysts for selective hydrocarbon oxidation under various reaction conditions: The effect of substituted bromines on the catalytic activity and reusability. <i>Journal of Molecular Catalysis A</i> , 2008, 288, 116-124.	4.8	50
38	Silica sulfuric acid: A versatile and reusable heterogeneous catalyst for the synthesis of oxazolines and imidazolines under various reaction conditions. <i>Catalysis Communications</i> , 2008, 9, 894-901.	3.3	50
39	Papain enzyme supported on magnetic nanoparticles: Preparation, characterization and application in the fruit juice clarification. <i>Chinese Journal of Catalysis</i> , 2013, 34, 1897-1904.	14.0	50
40	Rapid and highly efficient trimethylsilylation of alcohols and phenols with hexamethyldisilazane (HMDS) catalyzed by reusable zirconyl triflate, [ZrO(OTf) <sub>2</sub> ]. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 2041-2046.	1.8	48
41	Fabrication, characterization and application of nanopolymer supported copper (II) complex as an effective and reusable catalyst for the CN bond cross-coupling reaction of sulfonamides with arylboronic acids in water under aerobic conditions. <i>Journal of Molecular Catalysis A</i> , 2014, 387, 123-129.	4.8	48
42	Metal organic framework-supported N-heterocyclic carbene palladium complex: A highly efficient and reusable heterogeneous catalyst for Suzuki-Miyaura C-C coupling reaction. <i>Microporous and Mesoporous Materials</i> , 2017, 253, 102-111.	4.4	48
43	Manganese(III) tetrapyrrolylporphyrin-chloromethylated MIL-101 hybrid material: A highly active catalyst for oxidation of hydrocarbons. <i>Applied Catalysis A: General</i> , 2014, 477, 34-41.	4.3	47
44	Rapid and efficient acetylation of alcohols and phenols with acetic anhydride catalyzed by electron-deficient tin(IV) porphyrin. <i>Journal of Molecular Catalysis A</i> , 2004, 219, 73-78.	4.8	46
45	Molecular structure, FT IR, NMR, UV, NBO and HOMO-LUMO of 1-(3-(dimethylamino)propyl)-1-(4-fluorophenyl)-1,3-dihydroisobenzofuran-5-carbonitrile by DFT/B3LYP and PBEPBE methods with LanL2DZ and 6-311++G(d,2p) basis sets. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 180, 51-66.	3.9	46
46	Biomimetic oxidation of Hantzsch 1,4-dihydropyridines with tetra-n-butylammonium periodate catalyzed by tetraphenylporphyrinatomanganese(III) chloride [Mn(TPP)Cl]. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 3276-3278.	2.2	45
47	Environmental-friendly synthesis of oxazolines, imidazolines and thiazolines catalyzed by tungstophosphoric acid. <i>Catalysis Communications</i> , 2008, 9, 1153-1161.	3.3	45
48	Host (nanocavity of zeolite-Y or X)-guest (manganese (III) tetrakis[4-N-methylpyridinium]porphyrin) nanocomposite materials as efficient catalysts for biomimetic alkene epoxidation with sodium periodate: Shape-selective epoxidation of linear alkenes. <i>Journal of Molecular Catalysis A</i> , 2009, 302, 68-75.	4.8	45
49	RAPID AND EFFICIENT ACETYLATION OF ALCOHOLS AND PHENOLS WITH ACETIC ANHYDRIDE USING TIN(IV) PORPHYRIN AS CATALYST. <i>Synthetic Communications</i> , 2002, 32, 1337-1343.	2.1	44
50	Oxidation of alkanes with hydrogen peroxide catalyzed by Schiff base complexes covalently anchored to polyoxometalate. <i>Catalysis Communications</i> , 2008, 9, 2171-2174.	3.3	44
51	Rapid and efficient oxidation of Hantzsch 1,4-dihydropyridines with sodium periodate catalyzed by manganese (III) Schiff base complexes. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 2720-2724.	3.0	43
52	Selective alkene epoxidation and alkane hydroxylation with sodium periodate catalyzed by cationic Mn(III)-salen supported on Dowex MSC1. <i>Applied Catalysis A: General</i> , 2006, 301, 169-175.	4.3	43
53	Microwave-Promoted Alkynylation-Cyclization of 2-Aminoaryl Ketones: A Green Strategy for the Synthesis of 2,4-Disubstituted Quinolines. <i>Synlett</i> , 2010, 2010, 3104-3112.	1.8	43
54	Biomimetic aromatization of Hantzsch 1,4-dihydropyridines with sodium periodate catalyzed by a new polystyrene-bound manganese porphyrin. <i>Canadian Journal of Chemistry</i> , 2006, 84, 1-4.	1.1	42

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55	Highly efficient oxidation of sulfides with sodium periodate catalyzed by reusable silica supported Mn(Br8TPP)Cl and Mn(TPP)Cl catalysts under various reaction conditions. <i>Applied Catalysis A: General</i> , 2009, 353, 61-67.	4.3	42
56	A new poly(Nâ€“heterocyclic carbene Pd complex) immobilized on nano silica: An efficient and reusable catalyst for Suzukiâ€“Miyaura, Sonogashira and Heckâ€“Mizoroki Câ€“C coupling reactions. <i>Journal of Organometallic Chemistry</i> , 2018, 863, 60-69.	1.8	42
57	Fabrication of Z-scheme Bi2WO6/CNT/TiO2 heterostructure with enhanced cephalixin photodegradation: Optimization and reaction mechanism. <i>Journal of Molecular Liquids</i> , 2021, 339, 116728.	4.9	42
58	Synthesis and characterization of Bi(III) immobilized on triazine dendrimer-stabilized magnetic nanoparticles: a reusable catalyst for the synthesis of aminonaphthoquinones and bis-aminonaphthoquinones. <i>New Journal of Chemistry</i> , 2016, 40, 6171-6184.	2.8	41
59	Development of a novel bi-enzymatic silver dendritic hierarchical nanostructure cascade catalytic system for efficient conversion of starch into gluconic acid. <i>Chemical Engineering Journal</i> , 2019, 356, 423-435.	12.7	41
60	Sonochemical and visible light induced photochemical and sonophotochemical degradation of dyes catalyzed by recoverable vanadium-containing polyphosphomolybdate immobilized on TiO2 nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2008, 15, 815-822.	8.2	40
61	Biomimetic oxidation of sulfides with sodium periodate catalyzed by polystyrene-bound manganese (III) tetrapyrrolyporphyrin. <i>Applied Catalysis A: General</i> , 2008, 349, 177-181.	4.3	40
62	Organicâ€“inorganic hybrid polyoxometalates: Efficient, heterogeneous and reusable catalysts for solvent-free synthesis of azlactones. <i>Applied Catalysis A: General</i> , 2011, 397, 27-34.	4.3	40
63	New Pyridinium-Based Ionic Liquid as an Excellent Solventâ€“Catalyst System for the One-Pot Three-Component Synthesis of 2,3-Disubstituted Quinolines. <i>ACS Combinatorial Science</i> , 2014, 16, 93-100.	3.8	40
64	Efficient oxidative decarboxylation of carboxylic acids with sodium periodate catalyzed by supported manganese (III) porphyrin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 3433-3435.	2.2	39
65	Host (nanocavity of zeolite-Y)â€“guest (manganese(III) salophen complex) nanocomposite materials: An efficient catalyst for biomimetic alkene epoxidation and alkane hydroxylation with sodium periodate. <i>Applied Catalysis A: General</i> , 2007, 321, 49-57.	4.3	39
66	Ru(salophen)Cl supported on polystyrene-bound imidazole: An efficient and robust heterogeneous catalyst for epoxidation of alkenes with sodium periodate. <i>Applied Catalysis A: General</i> , 2009, 370, 66-71.	4.3	39
67	Highly efficient chemical fixation of carbon dioxide catalyzed by high-valent tetraphenylporphyrinatotri(IV) triflate. <i>Inorganic Chemistry Communication</i> , 2011, 14, 1489-1493.	3.9	39
68	Polystyrene-bound imidazole as a heterogeneous axial ligand for Mn(salophen)Cl and its use as biomimetic alkene epoxidation and alkane hydroxylation catalyst with sodium periodate. <i>Applied Catalysis A: General</i> , 2006, 311, 43-50.	4.3	38
69	Rapid, highly efficient and chemoselective trimethylsilylation of alcohols and phenols with hexamethyldisilazane (HMDS) catalyzed by reusable electronâ€“deficient tin(IV)porphyrin. <i>Applied Organometallic Chemistry</i> , 2009, 23, 446-454.	3.5	38
70	Molybdenum hexacarbonyl supported on functionalized multi-wall carbon nanotubes: Efficient and highly reusable catalysts for epoxidation of alkenes with tert-butyl hydroperoxide. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 2014-2021.	1.8	38
71	A graphene oxide immobilized Cu(II) complex of 1,2-bis(4-aminophenylthio)ethane: an efficient catalyst for epoxidation of olefins with tert-butyl hydroperoxide. <i>New Journal of Chemistry</i> , 2016, 40, 2280-2286.	2.8	38
72	Cerium Polyoxometalate as a Reusable Catalyst for Acetylation and Formylation of Alcohols. <i>Monatshefte f�r Chemie</i> , 2004, 135, 1257-1263.	1.8	37

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73	MoO <sub>2</sub> (acac) <sub>2</sub> supported on silica functionalized imidazole as a highly efficient and reusable catalyst for alkene epoxidation with tert-BuOOH. <i>Inorganic Chemistry Communication</i> , 2008, 11, 270-274.	3.9	37
74	Investigation of catalytic activity of cobalt Schiff base complex covalently linked to the polyoxometalate in the alkene and benzyl halide oxidation with hydrogen peroxide. <i>Catalysis Communications</i> , 2008, 9, 219-223.	3.3	37
75	Synthesis and characterization of manganese(III) porphyrin supported on imidazole modified chloromethylated MIL-101(Cr): A heterogeneous and reusable catalyst for oxidation of hydrocarbons with sodium periodate. <i>Journal of Solid State Chemistry</i> , 2014, 218, 56-63.	2.9	37
76	Elegant pH-Responsive Nanovehicle for Drug Delivery Based on Triazine Dendrimer Modified Magnetic Nanoparticles. <i>Langmuir</i> , 2017, 33, 8503-8515.	3.5	37
77	Efficient oxidation of sulfides with sodium periodate catalyzed by manganese(III) Schiff base complexes. <i>Journal of Molecular Catalysis A</i> , 2005, 242, 251-255.	4.8	36
78	Multi-wall carbon nanotubes supported molybdenum hexacarbonyl: An efficient and highly reusable catalyst for epoxidation of alkenes with tert-butyl hydroperoxide. <i>Journal of Molecular Catalysis A</i> , 2010, 329, 44-49.	4.8	36
79	Polystyrene-bound imidazole as a heterogeneous axial ligand for Mn(TPP)Cl and its use as hydrocarbon monooxygenation catalyst in the alkene epoxidation and alkane hydroxylation with sodium periodate under various reaction conditions. <i>Catalysis Communications</i> , 2005, 6, 688-693.	3.3	35
80	Mn(Br <sub>8</sub> TPP)Cl supported on polystyrene-bound imidazole: An efficient and reusable catalyst for biomimetic alkene epoxidation and alkane hydroxylation with sodium periodate under various reaction conditions. <i>Applied Catalysis A: General</i> , 2006, 303, 221-229.	4.3	35
81	Multi-wall carbon nanotube supported manganese(III)tetraphenylporphyrin: efficient catalysts for epoxidation of alkenes with NaIO <sub>4</sub> under various reaction conditions. <i>Journal of Coordination Chemistry</i> , 2012, 65, 1144-1157.	2.2	35
82	Selective oxidation of alcohols to aldehydes using inorganic-organic hybrid catalyst based on zinc substituted polyoxometalate and ionic liquid. <i>Journal of Coordination Chemistry</i> , 2012, 65, 1071-1081.	2.2	34
83	Pd Nanoparticles Immobilized on Nanosilica Triazine Dendritic Polymer: A Reusable Catalyst for the Synthesis of Mono-, Di-, and Trialkynylaromatics by Sonogashira Cross-Coupling in Water. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5603-5609.	2.4	34
84	Ionic Liquid-Decorated MIL-101(Cr) via Covalent and Coordination Bonds for Efficient Solvent-Free CO <sub>2</sub> Conversion and CO <sub>2</sub> Capture at Low Pressure. <i>Journal of Physical Chemistry C</i> , 2020, 124, 8716-8725.	3.1	34
85	ZrOCl <sub>2</sub> ·8H <sub>2</sub> O: An efficient and reusable catalyst for the synthesis of imidazolines and bis-imidazolines under various reaction conditions. <i>Applied Catalysis A: General</i> , 2007, 325, 99-104.	4.3	33
86	Efficient and environmentally-benign three-component synthesis of quinolines and bis-quinolines catalyzed by recyclable potassium dodecatungstocobaltate trihydrate under microwave irradiation. <i>RSC Advances</i> , 2012, 2, 8713.	3.6	33
87	Catalytic CO <sub>2</sub> fixation using tin porphyrin supported on organic and inorganic materials under mild conditions. <i>Journal of Molecular Catalysis A</i> , 2015, 398, 1-10.	4.8	33
88	Copper Dithiol Complex Supported on Silica Nanoparticles: A Sustainable, Efficient, and Eco-friendly Catalyst for Multicomponent Click Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 1454-1462.	6.7	33
89	Self-recognition of the racemic ligand in the formation of homochiral dinuclear V(V) complex: In vitro anticancer activity, DNA and HSA interaction. <i>European Journal of Medicinal Chemistry</i> , 2017, 135, 230-240.	5.5	33
90	Cytochrome P-450 dependent monooxygenases model system: rapid and efficient oxidation of primary aromatic amines to azo derivatives with sodium periodate catalyzed by manganese(III) Schiff base complexes. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 4673-4677.	3.0	32

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91	Readily prepared polymer-supported molybdenum carbonyls as novel reusable and highly active epoxidation catalysts. <i>Inorganic Chemistry Communication</i> , 2006, 9, 575-578.	3.9	32
92	Mild and efficient oxidation of Hantzsch 1,4-dihydropyridines with sodium periodate catalyzed by a new polystyrene-bound Mn(TPP)Cl. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 2026-2030.	2.2	32
93	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. <i>Catalysis Communications</i> , 2008, 9, 2411-2416.	3.3	32
94	Diastereoselective Synthesis of Pyrazolines using a Bifunctional Brønsted Acidic Ionic Liquid under Solvent-Free Conditions. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 3095-3104.	4.3	32
95	Catalytic oxidation of olefins with hydrogen peroxide catalyzed by [Fe(III)(salen)Cl] complex covalently linked to polyoxometalate. <i>Inorganic Chemistry Communication</i> , 2007, 10, 1537-1540.	3.9	31
96	Investigation of the catalytic activity of an electron-deficient vanadium(IV) tetraphenylporphyrin: A new, highly efficient and reusable catalyst for ring-opening of epoxides. <i>Polyhedron</i> , 2011, 30, 2244-2252.	2.2	31
97	Host (nanocavity of zeolite Y)-guest (ruthenium(III) salphen complex) nanocomposite materials: An efficient and reusable catalyst for shape-selective epoxidation of linear alkenes with sodium periodate. <i>Journal of Molecular Catalysis A</i> , 2013, 377, 92-101.	4.8	31
98	Polystyrene-supported ionic liquid copper complex: A reusable catalyst for one-pot three-component click reaction. <i>Applied Catalysis A: General</i> , 2015, 503, 186-195.	4.3	31
99	Synthesis, characterization and separation of chiral and achiral diastereomers of Schiff base Pd(II) complex: A comparative study of their DNA- and HSA-binding. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 163, 246-260.	3.8	30
100	Ruthenium Nanoparticles Immobilized on Nano-silica Functionalized with Thiol-Based Dendrimer: A Nanocomposite Material for Oxidation of Alcohols and Epoxidation of Alkenes. <i>Catalysis Letters</i> , 2018, 148, 1110-1123.	2.6	30
101	Novel bovine carbonic anhydrase encapsulated in a metal-organic framework: a new platform for biomimetic sequestration of CO <sub>2</sub> . <i>RSC Advances</i> , 2019, 9, 28460-28469.	3.6	30
102	Simple preparation of some reusable and efficient polymer-supported tungsten carbonyl catalysts and clean epoxidation of cis-cyclooctene in the presence of H <sub>2</sub> O <sub>2</sub> . <i>Journal of Molecular Catalysis A</i> , 2006, 255, 249-253.	4.8	29
103	Molybdenum Schiff base-polyoxometalate hybrid compound: A heterogeneous catalyst for alkene epoxidation with tert-BuOOH. <i>Polyhedron</i> , 2010, 29, 648-654.	2.2	29
104	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. <i>ACS Combinatorial Science</i> , 2013, 15, 141-146.	3.8	29
105	Copper(II) ionic liquid catalyzed cyclization-aromatization of hydrazones with dimethyl acetylenedicarboxylate: a green synthesis of fully substituted pyrazoles. <i>New Journal of Chemistry</i> , 2013, 37, 2037.	2.8	29
106	Magnetite Nanoparticles Immobilized Pectinase: Preparation, Characterization and Application for the Fruit Juices Clarification. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 329-336.	1.4	29
107	Efficient and selective hydrocarbon oxidation with sodium periodate under ultrasonic irradiation catalyzed by polystyrene-bound Mn (TPyP). <i>Ultrasonics Sonochemistry</i> , 2006, 13, 32-36.	8.2	28
108	Multi-wall carbon nanotube supported tungsten hexacarbonyl: an efficient and reusable catalyst for epoxidation of alkenes with hydrogen peroxide. <i>Journal of Coordination Chemistry</i> , 2012, 65, 226-238.	2.2	28

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109	Electron-deficient tin(IV)tetraphenylporphyrin perchlorate: A highly efficient catalyst for chemical fixation of carbon dioxide. <i>Polyhedron</i> , 2012, 32, 68-72.	2.2	28
110	Manganese porphyrin immobilized on magnetite nanoparticles as a recoverable nanocatalyst for epoxidation of olefins. <i>Materials Chemistry and Physics</i> , 2014, 146, 113-120.	4.0	28
111	Anchoring of Cu(II) onto surface of porous metal-organic framework through post-synthesis modification for the synthesis of benzimidazoles and benzothiazoles. <i>Journal of Solid State Chemistry</i> , 2016, 235, 145-153.	2.9	28
112	Polystyrene-bound Mn(T4PyP): A highly efficient and reusable catalyst for biomimetic oxidative decarboxylation of carboxylic acids with sodium periodate. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 3394-3398.	3.0	27
113	Olefin epoxidation with <i>tert</i> -BuOOH catalyzed by vanadium polyoxometalate immobilized on ionic liquid-modified MCM-41. <i>Journal of Coordination Chemistry</i> , 2011, 64, 4134-4144.	2.2	27
114	A simple and efficient large-scale synthesis of 3-hydroxyphthalans via oxa-Pictet–Spengler reaction catalyzed by nanosilica sulfuric acid. <i>Tetrahedron Letters</i> , 2011, 52, 1213-1216.	1.4	27
115	Application of a multi-SO <sub>3</sub> H Brønsted acidic ionic liquid in water: a highly efficient and reusable catalyst for the regioselective and scaled-up synthesis of pyrazoles under mild conditions. <i>RSC Advances</i> , 2012, 2, 5610.	3.6	27
116	Microwave-promoted efficient conversion of acetophenones to 1,3,5-triarylbenzenes catalyzed by H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> and nano-silica supported H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> as reusable catalysts. <i>Polyhedron</i> , 2012, 31, 721-728.	2.2	27
117	Oxidation of alkenes and sulfides catalyzed by a new binuclear molybdenum bis-oxazoline complex. <i>Polyhedron</i> , 2014, 72, 19-26.	2.2	27
118	Mild and Efficient Ring Opening of Epoxides Catalyzed by Potassium Dodecatungstocobaltate(III). <i>Monatshefte für Chemie</i> , 2006, 137, 235-242.	1.8	26
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120	High-valent tin(IV) porphyrin: An efficient and reusable catalyst for tetrahydropyranlation of alcohols and phenols under mild conditions. <i>Inorganica Chimica Acta</i> , 2010, 363, 1523-1528.	2.4	26
121	Sonocatalytic epoxidation of alkenes by vanadium-containing polyphosphomolybdate immobilized on multi-wall carbon nanotubes. <i>Ultrasonics Sonochemistry</i> , 2010, 17, 453-459.	8.2	26
122	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(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O: Investigating the role of the catalyst. <i>Comptes Rendus Chimie</i> , 2011, 14, 944-952.	0.5	26
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124	MoO <sub>2</sub> (acac) <sub>2</sub> supported on multi-wall carbon nanotubes: Highly efficient and reusable catalysts for alkene epoxidation with <i>tert</i> -BuOOH. <i>Polyhedron</i> , 2012, 48, 212-220.	2.2	26
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126	[SnIV(TPP)(BF <sub>4</sub> ) <sub>2</sub> ]: An efficient and reusable catalyst for chemoselective trimethylsilylation of alcohols and phenols with hexamethyldisilazane. <i>Polyhedron</i> , 2010, 29, 212-219.	2.2	25



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128	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) <sub>2</sub> ] under solvent-free conditions. <i>Chinese Chemical Letters</i> , 2011, 22, 9-12.	9.0	25
129	Copper immobilized on nano-silica triazine dendrimer (Cu( <i>ii</i> )-TD@nSiO <sub>2</sub> ) catalyzed synthesis of symmetrical and unsymmetrical 1,3-diynes under aerobic conditions at ambient temperature. <i>RSC Advances</i> , 2014, 4, 14291-14296.	3.6	25
130	Zinc polyoxometalate on activated carbon: an efficient catalyst for selective oxidation of alcohols with hydrogen peroxide. <i>Applied Organometallic Chemistry</i> , 2015, 29, 561-565.	3.5	25
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139	Suzuki-Miyaura cross-coupling reaction by palladium immobilized on functionalized magnetic nanoparticles with NNN and NNS Schiff base ligands in a mild reaction condition. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 1139-1150.	2.2	23
140	Nano-silica supported palladium catalyst: Synthesis, characterization and application of its activity in Sonogashira cross-coupling reactions. <i>Journal of Organometallic Chemistry</i> , 2017, 853, 5-12.	1.8	23
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150	Molybdenum hexacarbonyl supported on amine modified multi-wall carbon nanotubes: an efficient and highly reusable catalyst for epoxidation of alkenes with tert-butylhydroperoxide. <i>Applied Organometallic Chemistry</i> , 2010, 24, 708-713.	3.5	21
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