

Maasoumeh Jafarpour

List of Publications by Year in descending order

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88
papers

2,095
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218677

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Catalytic Epoxidation Activity of Keplerate Polyoxomolybdate Nanoball toward Aqueous Suspension of Olefins under Mild Aerobic Conditions. <i>Journal of the American Chemical Society</i> , 2013, 135, 10036-10039.	13.7	115
2	ZrOCl ₂ ·8H ₂ O/silica gel as a new efficient and a highly water-tolerant catalyst system for facile condensation of indoles with carbonyl compounds under solvent-free conditions. <i>Journal of Molecular Catalysis A</i> , 2006, 253, 249-251.	4.8	107
3	{Mo ₁₃₂ } Nanoball as an Efficient and Cost-Effective Catalyst for Sustainable Oxidation of Sulfides and Olefins with Hydrogen Peroxide. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 942-950.	6.7	64
4	ZrCl ₄ dispersed on dry silica gel provides a useful reagent for S-alkylation of thiols with alcohols under solvent-free conditions. <i>Tetrahedron Letters</i> , 2006, 47, 93-97.	1.4	63
5	ZrOCl ₂ ·8H ₂ O as a highly efficient and the moisture tolerant Lewis acid catalyst for Michael addition of amines and indoles to 1,2-unsaturated ketones under solvent-free conditions. <i>Journal of Molecular Catalysis A</i> , 2006, 252, 150-155.	4.8	60
6	Aqueous heterogeneous oxygenation of hydrocarbons and sulfides catalyzed by recoverable magnetite nanoparticles coated with copper(II) phthalocyanine. <i>Green Chemistry</i> , 2012, 14, 3386.	9.0	55
7	The catalytic efficiency of Fe-porphyrins supported on multi-walled carbon nanotubes in the heterogeneous oxidation of hydrocarbons and sulfides in water. <i>Catalysis Science and Technology</i> , 2014, 4, 1960.	4.1	54
8	Starch-coated maghemite nanoparticles functionalized by a novel cobalt Schiff base complex catalyzes selective aerobic benzylic C-H oxidation. <i>RSC Advances</i> , 2015, 5, 38460-38469.	3.6	54
9	Some applications of zirconium(IV) tetrachloride (ZrCl ₄) and zirconium(IV) oxydichloride octahydrate (ZrOCl ₂ ·8H ₂ O) as catalysts or reagents in organic synthesis. <i>Journal of the Iranian Chemical Society</i> , 2008, 5, 159-183.	2.2	48
10	A simple, efficient, and highly selective method for the iodination of alcohols using ZrCl ₄ /NaI. <i>Tetrahedron Letters</i> , 2004, 45, 7451-7454.	1.4	47
11	Rapid, highly efficient and stereoselective deoxygenation of epoxides by ZrCl ₄ /NaI. <i>Tetrahedron Letters</i> , 2005, 46, 4107-4110.	1.4	45
12	Reusable 1±-MoO ₃ nanobelts catalyzes the green and heterogeneous condensation of 1,2-diamines with carbonyl compounds. <i>New Journal of Chemistry</i> , 2013, 37, 2087.	2.8	44
13	A novel protocol for selective synthesis of monoclinic zirconia nanoparticles as a heterogeneous catalyst for condensation of 1,2-diamines with 1,2-dicarbonyl compounds. <i>New Journal of Chemistry</i> , 2014, 38, 676-682.	2.8	43
14	Efficient and highly selective aqueous oxidation of alcohols and sulfides catalyzed by reusable hydrophobic copper (II) phthalocyanine. <i>Inorganic Chemistry Communication</i> , 2012, 15, 230-234.	3.9	40
15	Easy access to quinoxaline derivatives using alumina as an effective and reusable catalyst under solvent-free conditions. <i>Applied Catalysis A: General</i> , 2011, 394, 48-51.	4.3	37
16	Nanomagnetite-Supported Partially Brominated Manganese-Porphyrin as a Promising Catalyst for the Selective Heterogeneous Oxidation of Hydrocarbons and Sulfides in Water. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 5515-5524.	2.0	37
17	Silica-coated magnetite nanoparticles stabilized simple Mn-tetraphenylporphyrin for aqueous phase catalytic oxidations with tert-butyl hydroperoxide. <i>RSC Advances</i> , 2014, 4, 9189.	3.6	37
18	Pronounced Catalytic Activity of Manganese(III)-Schiff Base Complexes in the Oxidation of Alcohols by Tetrabutylammonium Peroxomonosulfate. <i>Helvetica Chimica Acta</i> , 2010, 93, 711-717.	1.6	33

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19	Dioxomolybdenum(ν) complex immobilized on ascorbic acid coated TiO ₂ nanoparticles catalyzed heterogeneous oxidation of olefins and sulfides. <i>Green Chemistry</i> , 2015, 17, 442-452.	9.0	33
20	Silica gel catalyzed highly selective CS bond formation via Michael addition of thiols to α,β -unsaturated ketones under solvent-free conditions. <i>Journal of Molecular Catalysis A</i> , 2006, 249, 98-102.	4.8	32
21	A practical innovative method for highly selective oxidation of alcohols in neat water using water-insoluble iron and manganese porphyrins as reusable heterogeneous catalysts. <i>Catalysis Communications</i> , 2011, 16, 240-244.	3.3	32
22	Cytochrome P-450 model reactions: Efficient and highly selective oxidation of alcohols with tetrabutylammonium peroxymonosulfate catalyzed by Mn-porphyrins. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 3097-3101.	3.0	31
23	Catalytic activity of silica gel in the synthesis of sulfonamides under mild and solvent-free conditions. <i>Applied Catalysis A: General</i> , 2009, 358, 49-53.	4.3	30
24	Factors affecting the reactivity and selectivity in the oxidation of sulfides with tetra-n-butylammonium peroxomonosulfate catalyzed by Mn(III) porphyrins: Significant nitrogen donor effects. <i>Polyhedron</i> , 2011, 30, 592-598.	2.2	30
25	A Tandem Aerobic Photocatalytic Synthesis of Benzimidazoles by Cobalt Ascorbic Acid Complex Coated on TiO ₂ Nanoparticles Under Visible Light. <i>Catalysis Letters</i> , 2018, 148, 30-40.	2.6	30
26	Selective aerobic benzylic C-H oxidation co-catalyzed by N-hydroxyphthalimide and Keplerate {Mo ₇₂ V ₃₀ } nanocluster. <i>RSC Advances</i> , 2017, 7, 15754-15761.	3.6	28
27	A rapid and easy method for the synthesis of azoxy arenes using tetrabutylammonium peroxymonosulfate. <i>Dyes and Pigments</i> , 2008, 76, 840-843.	3.7	27
28	Synthesis, characterization and catalytic activity of oleic acid-coated TiO ₂ nanoparticles carrying MoO ₂ (acac) ₂ in the oxidation of olefins and sulfides using economical peroxides. <i>New Journal of Chemistry</i> , 2014, 38, 2917.	2.8	27
29	Band Gap Modification of TiO ₂ Nanoparticles by Ascorbic Acid-Stabilized Pd Nanoparticles for Photocatalytic Suzuki-Miyaura and Ullmann Coupling Reactions. <i>Catalysis Letters</i> , 2019, 149, 1595-1610.	2.6	27
30	A Green, Catalyst-Free Method for the Synthesis of Sulfonamides and Sulfonylazides. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2010, 186, 140-148.	1.6	26
31	Economical Oxygenation of Olefins and Sulfides Catalyzed by New Molybdenum(VI) Tridentate Schiff Base Complexes: Synthesis and Crystal Structure. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 1023-1030.	1.2	26
32	A dendritic TiO ₂ @Co nanocomposite based on the melamine catalyzed one-pot aerobic photocatalytic synthesis of benzimidazoles. <i>New Journal of Chemistry</i> , 2018, 42, 6449-6456.	2.8	26
33	The catalytic performance of Mn-tetraarylporphyrins in the highly selective oxidation of primary aromatic amines to azo compounds by Bu ₄ NHSO ₅ . <i>Dyes and Pigments</i> , 2009, 80, 80-85.	3.7	25
34	A cobalt Schiff base complex on TiO ₂ nanoparticles as an effective synergistic nanocatalyst for aerobic C-H oxidation. <i>RSC Advances</i> , 2016, 6, 25034-25046.	3.6	25
35	An Environmentally Benign Catalytic Method for Efficient and Selective Nucleophilic Ring Opening of Oxiranes by Zirconium Tetrakis(dodecyl Sulfate). <i>Helvetica Chimica Acta</i> , 2010, 93, 405-413.	1.6	24
36	Solar-driven advanced oxidation process catalyzed by metal-organic frameworks for water depollution. <i>Polyhedron</i> , 2019, 170, 325-333.	2.2	24

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37	A novel strategy for clean and selective oxygenation of hydrocarbons with n-Bu ₄ NHSO ₅ in neat water catalyzed by recyclable water-insoluble iron (III) tetraphenylporphyrins. <i>Catalysis Communications</i> , 2011, 12, 761-765.	3.3	23
38	ZrCl ₄ /NaI and ZrOCl ₂ ·8H ₂ O/NaI as effective systems for reductive coupling of sulfonyl chlorides and chemoselective deoxygenation of sulfoxides. <i>Journal of Sulfur Chemistry</i> , 2005, 26, 313-324.	2.0	22
39	Highly selective aqueous heterogeneous oxygenation of hydrocarbons catalyzed by recyclable hydrophobic copper (II) phthalocyanine nanoparticles. <i>Journal of Molecular Catalysis A</i> , 2012, 357, 141-147.	4.8	22
40	Catalytic activity of a zirconium(IV) Schiff base complex in facile and highly efficient synthesis of indole derivatives. <i>Transition Metal Chemistry</i> , 2011, 36, 685-690.	1.4	21
41	Aerobic benzylic C-H oxidation catalyzed by a titania-based organic-inorganic nanohybrid. <i>RSC Advances</i> , 2016, 6, 54649-54660.	3.6	21
42	Enhanced aqueous oxidation activity and durability of simple manganese(III) salen complex axially anchored to maghemite nanoparticles. <i>RSC Advances</i> , 2016, 6, 64640-64650.	3.6	21
43	{Mo ₇₂ Fe ₃₀ } Nanoclusters for the Visible-Light-Driven Photocatalytic Degradation of Organic Dyes. <i>ACS Applied Nano Materials</i> , 2020, 3, 648-657.	5.0	21
44	A new catalytic method for ecofriendly synthesis of bis- and trisindolylmethanes by zirconyldodecylsulfate under mild conditions. <i>Journal of Heterocyclic Chemistry</i> , 2009, 46, 535-539.	2.6	20
45	Catalytic activity and selectivity of reusable μ -Mo ₃ nanobelts toward oxidation of olefins and sulfides using economical peroxides. <i>RSC Advances</i> , 2014, 4, 1601-1608.	3.6	20
46	Aerobic {Mo ₇₂ V ₃₀ } nanocluster-catalysed heterogeneous one-pot tandem synthesis of benzimidazoles. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4638.	3.5	20
47	A nanoscopic icosahedral {Mo ₇₂ Fe ₃₀ } cluster catalyzes the aerobic synthesis of benzimidazoles. <i>RSC Advances</i> , 2019, 9, 34854-34861.	3.6	19
48	Zirconium Tetrakis(dodecylsulfate) as an Efficient and Recyclable Lewis Acid-Surfactant-Combined Catalyzed C-C and C-N Bond Forming Under Mild and Environmentally Benign Conditions. <i>Letters in Organic Chemistry</i> , 2009, 6, 94-99.	0.5	18
49	{Mo ₇₂ Cr ₃₀ } nanocluster as a novel self-separating catalyst for hydrogen peroxide olefin epoxidation. <i>Catalysis Communications</i> , 2017, 95, 88-91.	3.3	18
50	A Cooperative Effect in a Novel Bimetallic Mo-V Nanocomplex Catalyzed Selective Aerobic C-H Oxidation. <i>ACS Omega</i> , 2019, 4, 3601-3610.	3.5	18
51	Clean and Heterogeneous Condensation of 1,2-Diamines with 1,2-Dicarbonyls Catalyzed by {Mo ₁₃₂ } Giant Ball Nanocluster. <i>Journal of Cluster Science</i> , 2015, 26, 1439-1450.	3.3	17
52	Enhanced catalytic activity of Zr(IV) complex with simple tetradentate Schiff base ligand in the clean synthesis of indole derivatives. <i>Inorganic Chemistry Communication</i> , 2011, 14, 1732-1736.	3.9	16
53	A synergistic effect of a cobalt Schiff base complex and TiO ₂ nanoparticles on aerobic olefin epoxidation. <i>RSC Advances</i> , 2016, 6, 79085-79089.	3.6	16
54	Palladium Niacin Complex Immobilized on Starch-Coated Maghemite Nanoparticles as an Efficient Homo- and Cross-coupling Catalyst for the Synthesis of Symmetrical and Unsymmetrical Biaryls. <i>Catalysis Letters</i> , 2018, 148, 3165-3177.	2.6	16

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55	A New Catalytic Method for Eco-Friendly Synthesis of Quinoxalines by Zirconium (IV) Oxide Chloride Octahydrate Under Mild Conditions. <i>Letters in Organic Chemistry</i> , 2011, 8, 202-209.	0.5	15
56	Nanoaggregates of Simple Mn Porphyrin Complexes as Catalysts for the Selective Oxidation of Hydrocarbons. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2657-2664.	2.0	15
57	Aerobic Stereoselective Oxidation of Olefins on a Visible-Light-Irradiated Titanium Dioxideâ€Cobaltâ€CAscorbic Acid Nanohybrid. <i>Synlett</i> , 2017, 28, 235-238.	1.8	15
58	Supramolecular photocatalyst of Palladium (II) Encapsulated within Dendrimer on TiO ₂ nanoparticles for Photoâ€Cinduced Suzukiâ€Miyaura and Sonogashira Crossâ€Coupling reactions. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5093.	3.5	15
59	Phosphonate-based Metal Organic Frameworks as Robust Heterogeneous Catalysts for TBHP Oxidation of Benzylic Alcohols. <i>Catalysis Letters</i> , 2017, 147, 1714-1721.	2.6	14
60	Tandem Photocatalysis Protocol for Hydrogen Generation/Olefin Hydrogenation Using Pd-g-C ₃ N ₄ -Imine/TiO ₂ Nanoparticles. <i>Inorganic Chemistry</i> , 2021, 60, 9484-9495.	4.0	14
61	A top-down design for easy gram scale synthesis of melem nano rectangular prisms with improved surface area. <i>RSC Advances</i> , 2021, 11, 38862-38867.	3.6	14
62	A photoinduced cross-dehydrogenative-coupling (CDC) reaction between aldehydes and <i>N</i> -hydroxyimides by a TiO ₂ â€Co ascorbic acid nanohybrid under visible light irradiation. <i>New Journal of Chemistry</i> , 2018, 42, 807-811.	2.8	13
63	Visible-light driven catalase-like activity of blackberry-shaped {Mo ₇₂ Fe ₃₀ } nanovesicles: combined kinetic and mechanistic studies. <i>Catalysis Science and Technology</i> , 2018, 8, 4645-4656.	4.1	13
64	The enhanced visible-light-induced photocatalytic activities of bimetallic Mnâ€Fe MOFs for the highly efficient reductive removal of Cr(vi). <i>RSC Advances</i> , 2021, 11, 21127-21136.	3.6	12
65	Nickel(II) riboflavin complex as an efficient nanobiocatalyst for heterogeneous and sustainable oxidation of benzylic alcohols and sulfides. <i>New Journal of Chemistry</i> , 2018, 42, 7383-7391.	2.8	11
66	Iron Ascorbic Acid Complex Coated TiO ₂ Nanoparticles Enhancing Visible-Light Oxidation Performance. <i>ChemistrySelect</i> , 2017, 2, 2901-2909.	1.5	10
67	Cu(II) vitamin C tunes photocatalytic activity of TiO ₂ nanoparticles for visible light-driven aerobic oxidation of benzylic alcohols. <i>RSC Advances</i> , 2020, 10, 12053-12059.	3.6	10
68	Efficient Organic Transformations Mediated by ZrOCl ₂ â€8H ₂ O in Water. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 1470-1482.	1.6	9
69	A zirconium Schiff base complex immobilized on starch-coated maghemite nanoparticles catalyzes heterogeneous condensation of 1,2-diamines with 1,2-dicarbonyl compounds. <i>Transition Metal Chemistry</i> , 2016, 41, 205-211.	1.4	9
70	Benzyltributylammonium periodate as a novel and safe oxygen source for Mn-porphyrin catalyzed practical and highly selective oxygenation of hydrocarbons. <i>Polyhedron</i> , 2011, 30, 2303-2309.	2.2	8
71	Cu(II)â€vitamin C-complex catalyzed photo-induced homocoupling reaction of aryl boronic acid in base-free and visible light conditions. <i>RSC Advances</i> , 2022, 12, 4931-4938.	3.6	8
72	Heterogeneous Fenton-like activity of novel metallosalophen magnetic nanocomposites: significant anchoring group effect. <i>RSC Advances</i> , 2019, 9, 32966-32976.	3.6	7

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73	A DFT investigation of axial N-donor ligands effects on the high valent manganese-oxo meso-tetraphenyl porphyrin. <i>Journal of Porphyrins and Phthalocyanines</i> , 2015, 19, 651-662.	0.8	6
74	A Star-Shaped Triazine-Based Vitamin B ₅ Copper(II) Nanocatalyst for Tandem Aerobic Synthesis of Bis(indolyl)methanes. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 4122-4129.	2.4	6
75	Copper(II)-Ethanolamine Triazine Complex on Chitosan-Functionalized Nanomaghemite for Catalytic Aerobic Oxidation of Benzylic Alcohols. <i>Catalysis Letters</i> , 2021, 151, 45-55.	2.6	6
76	A reusable zirconium(IV) Schiff base complex catalyzes highly efficient synthesis of quinoxalines under mild conditions. <i>Transition Metal Chemistry</i> , 2013, 38, 31-36.	1.4	5
77	Screening of different interactions in oxo-manganese porphyrin dimers containing axial N-donor ligands: a theoretical study. <i>RSC Advances</i> , 2018, 8, 9770-9774.	3.6	5
78	Magnetic Bisphosphonic Acid Nanohybrid Catalyzed Heterogeneous Synthesis of Heterocycles. <i>ChemistrySelect</i> , 2018, 3, 1234-1241.	1.5	4
79	Highly selective and efficient oxidation of benzylic alcohols with sulfate radical over metal-organic frameworks. <i>Journal of Organometallic Chemistry</i> , 2019, 903, 120995.	1.8	4
80	Tetrahedral Keggin Core Tunes the Visible Light-Assisted Catalase-Like Activity of Icosahedral Keplerate Shell. <i>Inorganic Chemistry</i> , 2022, 61, 7878-7889.	4.0	4
81	Significant hydrogen-bonding effect on the reactivity of high-valent manganese(V) oxo porphyrins in C-H bond activation: A DFT study. <i>Journal of Porphyrins and Phthalocyanines</i> , 2015, 19, 1197-1203.	0.8	2
82	Green Condensation of Various 1,2-diamine and 1,2-dicarbonyl Compounds Catalyzed by Reusable Zirconium (IV) Tetradentate Schiff Base Complex. <i>Current Catalysis</i> , 2014, 3, 260-265.	0.5	2
83	Melem Nanorectangular Prism-Modified {Mo ₇₂ Fe ₃₀ } Nanocapsule as a Visible-Light-Assisted Photocatalyst for Catalase-Like Activity. <i>ACS Applied Nano Materials</i> , 2022, 5, 7917-7931.	5.0	2
84	A Selective and Sustainable Sulfoxidation Method Catalyzed by Reusable Manganese (III) Schiff Base Complexes. <i>Current Catalysis</i> , 2015, 4, 4-11.	0.5	1
85	Stereoelectronic effects of porphyrin ligand on the oxygen transfer efficiency of high valent manganese-oxo porphyrin species: A DFT study. <i>Journal of Porphyrins and Phthalocyanines</i> , 2015, 19, 1130-1139.	0.8	1
86	A Simple, and Highly Selective Method for the Iodination of Alcohols Using ZrCl ₄ /NaI.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
87	Rapid, Highly Efficient and Stereoselective Deoxygenation of Epoxides by ZrCl ₄ /NaI.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
88	Silica iminopyridine-functionalized nanomaghemite enhances the oxygenation activity and durability of simple Co(II) salphen complex. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5535.	3.5	0