

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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#	ARTICLE	IF	CITATIONS
1	Cu(II) 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
2	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
3	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
4	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
5	The enhanced visible-light-induced photocatalytic activities of bimetallic Mn-Fe MOFs for the highly efficient reductive removal of Cr(VI). <i>RSC Advances</i> , 2021, 11, 21127-21136.	3.6	12
6	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
7	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
8	$\{Mo_{72}Fe_{30}\}$ Nanoclusters for the Visible-Light-Driven Photocatalytic Degradation of Organic Dyes. <i>ACS Applied Nano Materials</i> , 2020, 3, 648-657.	5.0	21
9	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
10	Silica iminopyridine-functionalized nanomaghemite enhances the oxygenation activity and durability of simple Co(II) salophen complex. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5535.	3.5	0
11	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
12	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
13	Supramolecular photocatalyst of Palladium (II) Encapsulated within Dendrimer on TiO ₂ nanoparticles for Photo-induced Suzuki-Miyaura and Sonogashira Cross-Coupling reactions. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5093.	3.5	15
14	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
15	Solar-driven advanced oxidation process catalyzed by metal-organic frameworks for water depollution. <i>Polyhedron</i> , 2019, 170, 325-333.	2.2	24
16	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
17	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
18	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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19	A nanoscopic icosahedral $\{Mo_{72}Fe_{30}\}$ cluster catalyzes the aerobic synthesis of benzimidazoles. RSC Advances, 2019, 9, 34854-34861.	3.6	19
20	Screening of different interactions in oxo-manganese porphyrin dimers containing axial N-donor ligands: a theoretical study. RSC Advances, 2018, 8, 9770-9774.	3.6	5
21	Nickel(Ni^{II}) riboflavin complex as an efficient nanobiocatalyst for heterogeneous and sustainable oxidation of benzylic alcohols and sulfides. New Journal of Chemistry, 2018, 42, 7383-7391.	2.8	11
22	A dendritic $TiO_2@Co$ nanocomposite based on the melamine catalyzed one-pot aerobic photocatalytic synthesis of benzimidazoles. New Journal of Chemistry, 2018, 42, 6449-6456.	2.8	26
23	Magnetic Bisphosphonic Acid Nanohybrid Catalyzed Heterogeneous Synthesis of Heterocycles. ChemistrySelect, 2018, 3, 1234-1241.	1.5	4
24	A photoinduced cross-dehydrogenative-coupling (CDC) reaction between aldehydes and <i>N</i> -hydroxyimides by a $TiO_2@Co$ ascorbic acid nanohybrid under visible light irradiation. New Journal of Chemistry, 2018, 42, 807-811.	2.8	13
25	A Tandem Aerobic Photocatalytic Synthesis of Benzimidazoles by Cobalt Ascorbic Acid Complex Coated on TiO_2 Nanoparticles Under Visible Light. Catalysis Letters, 2018, 148, 30-40.	2.6	30
26	Visible-light driven catalase-like activity of blackberry-shaped $\{Mo_{72}Fe_{30}\}$ nanovesicles: combined kinetic and mechanistic studies. Catalysis Science and Technology, 2018, 8, 4645-4656.	4.1	13
27	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. Catalysis Letters, 2018, 148, 3165-3177.	2.6	16
28	Selective aerobic benzylic C-H oxidation co-catalyzed by N-hydroxyphthalimide and Keplerate $\{Mo_72V_30\}$ nanocluster. RSC Advances, 2017, 7, 15754-15761.	3.6	28
29	Phosphonate-based Metal Organic Frameworks as Robust Heterogeneous Catalysts for TBHP Oxidation of Benzylic Alcohols. Catalysis Letters, 2017, 147, 1714-1721.	2.6	14
30	Iron Ascorbic Acid Complex Coated TiO_2 Nanoparticles Enhancing Visible-Light Oxidation Performance. ChemistrySelect, 2017, 2, 2901-2909.	1.5	10
31	$\{Mo_72Cr_30\}$ nanocluster as a novel self-separating catalyst for hydrogen peroxide olefin epoxidation. Catalysis Communications, 2017, 95, 88-91.	3.3	18
32	Aerobic Stereoselective Oxidation of Olefins on a Visible-Light-Irradiated Titanium Dioxide@Cobalt@Ascorbic Acid Nanohybrid. Synlett, 2017, 28, 235-238.	1.8	15
33	A synergistic effect of a cobalt Schiff base complex and TiO_2 nanoparticles on aerobic olefin epoxidation. RSC Advances, 2016, 6, 79085-79089.	3.6	16
34	Aerobic benzylic C-H oxidation catalyzed by a titania-based organic-inorganic nanohybrid. RSC Advances, 2016, 6, 54649-54660.	3.6	21
35	Enhanced aqueous oxidation activity and durability of simple manganese(Mn^{III}) salen complex axially anchored to maghemite nanoparticles. RSC Advances, 2016, 6, 64640-64650.	3.6	21
36	A zirconium Schiff base complex immobilized on starch-coated maghemite nanoparticles catalyzes heterogeneous condensation of 1,2-diamines with 1,2-dicarbonyl compounds. Transition Metal Chemistry, 2016, 41, 205-211.	1.4	9

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37	A cobalt Schiff base complex on TiO ₂ nanoparticles as an effective synergistic nanocatalyst for aerobic C-H oxidation. RSC Advances, 2016, 6, 25034-25046.	3.6	25
38	A Selective and Sustainable Sulfoxidation Method Catalyzed by Reusable Manganese (III) Schiff Base Complexes. Current Catalysis, 2015, 4, 4-11.	0.5	1
39	Stereoelectronic effects of porphyrin ligand on the oxygen transfer efficiency of high valent manganese-oxo porphyrin species: A DFT study. Journal of Porphyrins and Phthalocyanines, 2015, 19, 1130-1139.	0.8	1
40	Significant hydrogen-bonding effect on the reactivity of high-valent manganese(V) oxo porphyrins in C-H bond activation: A DFT study. Journal of Porphyrins and Phthalocyanines, 2015, 19, 1197-1203.	0.8	2
41	A DFT investigation of axial N-donor ligands effects on the high valent manganese-oxo meso-tetraphenyl porphyrin. Journal of Porphyrins and Phthalocyanines, 2015, 19, 651-662.	0.8	6
42	Starch-coated maghemite nanoparticles functionalized by a novel cobalt Schiff base complex catalyzes selective aerobic benzylic C-H oxidation. RSC Advances, 2015, 5, 38460-38469.	3.6	54
43	Clean and Heterogeneous Condensation of 1,2-Diamines with 1,2-Dicarbonyls Catalyzed by {Mo ₁₃₂ } Giant Ball Nanocluster. Journal of Cluster Science, 2015, 26, 1439-1450.	3.3	17
44	Dioxomolybdenum(μ) complex immobilized on ascorbic acid coated TiO ₂ nanoparticles catalyzed heterogeneous oxidation of olefins and sulfides. Green Chemistry, 2015, 17, 442-452.	9.0	33
45	{Mo ₁₃₂ } Nanoball as an Efficient and Cost-Effective Catalyst for Sustainable Oxidation of Sulfides and Olefins with Hydrogen Peroxide. ACS Sustainable Chemistry and Engineering, 2014, 2, 942-950.	6.7	64
46	The catalytic efficiency of Fe-porphyrins supported on multi-walled carbon nanotubes in the heterogeneous oxidation of hydrocarbons and sulfides in water. Catalysis Science and Technology, 2014, 4, 1960.	4.1	54
47	Silica-coated magnetite nanoparticles stabilized simple Mn-tetraphenylporphyrin for aqueous phase catalytic oxidations with tert-butyl hydroperoxide. RSC Advances, 2014, 4, 9189.	3.6	37
48	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. New Journal of Chemistry, 2014, 38, 676-682.	2.8	43
49	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. New Journal of Chemistry, 2014, 38, 2917.	2.8	27
50	Catalytic activity and selectivity of reusable μ -MoO ₃ nanobelts toward oxidation of olefins and sulfides using economical peroxides. RSC Advances, 2014, 4, 1601-1608.	3.6	20
51	Green Condensation of Various 1,2-diamine and 1,2-dicarbonyl Compounds Catalyzed by Reusable Zirconium (IV) Tetradentate Schiff Base Complex. Current Catalysis, 2014, 3, 260-265.	0.5	2
52	A reusable zirconium(IV) Schiff base complex catalyzes highly efficient synthesis of quinoxalines under mild conditions. Transition Metal Chemistry, 2013, 38, 31-36.	1.4	5
53	Reusable μ -MoO ₃ nanobelts catalyzes the green and heterogeneous condensation of 1,2-diamines with carbonyl compounds. New Journal of Chemistry, 2013, 37, 2087.	2.8	44
54	Nanoaggregates of Simple Mn Porphyrin Complexes as Catalysts for the Selective Oxidation of Hydrocarbons. European Journal of Inorganic Chemistry, 2013, 2013, 2657-2664.	2.0	15

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55	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
56	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
57	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
58	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
59	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
60	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
61	Efficient Organic Transformations Mediated by $ZrOCl_2 \cdot 8H_2O$ in Water. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 1470-1482.	1.6	9
62	A novel strategy for clean and selective oxygenation of hydrocarbons with $n-Bu_4NHSO_5$ in neat water catalyzed by recyclable water-insoluble iron (III) tetraphenylporphyrins. <i>Catalysis Communications</i> , 2011, 12, 761-765.	3.3	23
63	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
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	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
72	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

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73	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. Letters in Organic Chemistry, 2009, 6, 94-99.	0.5	18
74	A new catalytic method for ecofriendly synthesis of bis- and trisindolylmethanes by zirconyldodecylsulfate under mild conditions. Journal of Heterocyclic Chemistry, 2009, 46, 535-539.	2.6	20
75	The catalytic performance of Mn-tetraarylporphyrins in the highly selective oxidation of primary aromatic amines to azo compounds by Bu ₄ NHSO ₅ . Dyes and Pigments, 2009, 80, 80-85.	3.7	25
76	Catalytic activity of silica gel in the synthesis of sulfonamides under mild and solvent-free conditions. Applied Catalysis A: General, 2009, 358, 49-53.	4.3	30
77	A rapid and easy method for the synthesis of azoxy arenes using tetrabutylammonium peroxymonosulfate. Dyes and Pigments, 2008, 76, 840-843.	3.7	27
78	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. Journal of the Iranian Chemical Society, 2008, 5, 159-183.	2.2	48
79	Cytochrome P-450 model reactions: Efficient and highly selective oxidation of alcohols with tetrabutylammonium peroxymonosulfate catalyzed by Mn-porphyrins. Bioorganic and Medicinal Chemistry, 2007, 15, 3097-3101.	3.0	31
80	Silica gel catalyzed highly selective CS bond formation via Michael addition of thiols to α,β -unsaturated ketones under solvent-free conditions. Journal of Molecular Catalysis A, 2006, 249, 98-102.	4.8	32
81	ZrCl ₄ 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
82	ZrOCl ₂ ·8H ₂ O as a highly efficient and the moisture tolerant Lewis acid catalyst for Michael addition of amines and indoles to α,β -unsaturated ketones under solvent-free conditions. Journal of Molecular Catalysis A, 2006, 252, 150-155.	4.8	60
83	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. Journal of Molecular Catalysis A, 2006, 253, 249-251.	4.8	107
84	Rapid, highly efficient and stereoselective deoxygenation of epoxides by ZrCl ₄ /NaI. Tetrahedron Letters, 2005, 46, 4107-4110.	1.4	45
85	A Simple, and Highly Selective Method for the Iodination of Alcohols Using ZrCl ₄ /NaI.. ChemInform, 2005, 36, no.	0.0	0
86	Rapid, Highly Efficient and Stereoselective Deoxygenation of Epoxides by ZrCl ₄ /NaI.. ChemInform, 2005, 36, no.	0.0	0
87	ZrCl ₄ /NaI and ZrOCl ₂ ·8H ₂ O/NaI as effective systems for reductive coupling of sulfonyl chlorides and chemoselective deoxygenation of sulfoxides. Journal of Sulfur Chemistry, 2005, 26, 313-324.	2.0	22
88	A simple, efficient, and highly selective method for the iodination of alcohols using ZrCl ₄ /NaI. Tetrahedron Letters, 2004, 45, 7451-7454.	1.4	47