Majid Masteri-Farahani

List of Publications by Year
in descending order

99	2,262	186265	289244
papers	citations	28 h-index	40 g-index

99	99	99	2032
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis and characterization of molybdenum complexes with bidentate Schiff base ligands within nanoreactors of MCM-41 as epoxidation catalysts. Journal of Molecular Catalysis A, 2006, 248, 53-60.	4.8	95
2	A new magnetically recoverable nanocatalyst for epoxidation of olefins. Journal of Molecular Catalysis A, 2011, 348, 83-87.	4.8	79
3	Synthesis of tetradentate N4 Schiff base dioxomolybdenum (VI) complex within MCM-41 as selective catalyst for epoxidation of olefins. Catalysis Communications, 2007, 8, 6-10.	3.3	67
4	Magnetiteâ€“polyoxometalate hybrid nanomaterials: Synthesis and characterization. Chemical Engineering Journal, 2012, 184, 342-346.	12.7	67
5	Molecularly imprinted polymer containing fluorescent graphene quantum dots as a new fluorescent nanosensor for detection of methamphetamine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 229, 118021.	3.9	61
6	Immobilized molybdenumâ€“thiosemicarbazide Schiff base complex on the surface of magnetite nanoparticles as a new nanocatalyst for the epoxidation of olefins. Journal of Magnetism and Magnetic Materials, 2014, 354, 317-323.	2.3	60
7	Pd supported on clicked cellulose-modified magnetite-graphene oxide nanocomposite for C-C coupling reactions in deep eutectic solvent. Carbohydrate Polymers, 2021, 251, 117109.	10.2	49
8	Investigation of catalytic activities of new heterogeneous molybdenum catalysts in epoxidation of olefins. Journal of Molecular Catalysis A, 2010, 316, 45-51.	4.8	47
9	Immobilization of catalytically active polyoxotungstate into ionic liquid-modified MIL-100(Fe): A recyclable catalyst for selective oxidation of benzyl alcohol. Catalysis Communications, 2017, 96, 6-10.	3.3	47
10	Synthesis and characterization of a new epoxidation catalyst by grafting cis-MoO2(salpr) complex to functionalized MCM-41. Journal of Molecular Catalysis A, 2006, 243, 170-175.	4.8	46
11	Propyl-SO3H functionalized graphene oxide as multipurpose solid acid catalyst for biodiesel synthesis and acid-catalyzed esterification and acetalization reactions. Renewable Energy, 2020, 151, 1092-1101.	8.9	46
12	Post-synthetic modification of nanoporous Cu3(BTC)2 metal-organic framework via immobilization of a molybdenum complex for selective epoxidation. Journal of Molecular Catalysis A, 2015, 399, 10-17.	4.8	45
13	Catalytic dehydration of fructose into 5-hydroxymethylfurfural by propyl sulfonic acid functionalized magnetic graphene oxide nanocomposite. Renewable Energy, 2021, 180, 132-139.	8.9	43
14	Selective extraction and preconcentration of ultra-trace level of mercury ions in water and fish samples using Fe3O4-magnetite-nanoparticles functionalized by triazene compound prior to its determination by inductively coupled plasma-optical emission spectrometry. Analytical Methods, 2012, 4, 959.	2.7	42
15	A quantum dot-based fluorescence sensor for sensitive and enzymeless detection of creatinine. Analytical Methods, 2016, 8, 5911-5920.	2.7	41
16	Boric acid modified S and N co-doped graphene quantum dots as simple and inexpensive turn-on fluorescent nanosensor for quantification of glucose. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 245, 118892.	3.9	41
17	A New Fluorescence Sensor for Cerium (III) Ion Using Glycine Dithiocarbamate Capped Manganese Doped ZnS Quantum Dots. Journal of Fluorescence, 2015, 25, 1855-1866.	2.5	39
18	Covalent functionalization of graphene oxide with molybdenum-carboxylate complexes: New reusable catalysts for the epoxidation of olefins. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 387-392.	4.7	38

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19	A novel extraction and preconcentration of ultra-trace levels of uranium ions in natural water samples using functionalized magnetic-nanoparticles prior to their determination by inductively coupled plasma-optical emission spectrometry. Analytical Methods, 2012, 4, 4107.	2.7	37
20	Improving the photocatalytic activity of NH2-UiO-66 by facile modification with Fe(acac)3 complex for photocatalytic water remediation under visible light illumination. Journal of Hazardous Materials, 2022, 425, 127975.	12.4	36
21	Molybdenum incorporated silicalite as catalyst for epoxidation of olefins. Journal of Molecular Catalysis A, 2003, 192, 103-111.	4.8	35
22	Immobilized molybdenumâ€“Schiff base complex on the surface of multi-wall carbon nanotubes as a new heterogeneous epoxidation catalyst. Inorganic Chemistry Communication, 2013, 37, 39-42.	3.9	35
23	Synthesis and characterization of heteropolytungstate-ionic liquid supported on the surface of silica coated magnetite nanoparticles. Journal of Magnetism and Magnetic Materials, 2013, 327, 58-63.	2.3	35
24	Enhanced catalytic activity of nanoporous Cu₃(BTC)₂ metalâ€“organic framework via immobilization of oxodiperoxo molybdenum complex. New Journal of Chemistry, 2015, 39, 5322-5328.	2.8	35
25	Functionalization of graphene quantum dots with antimorphine: Design of selective nanosensor for detection of morphine. Materials Letters, 2019, 241, 206-209.	2.6	33
26	Hydrophilic role of deep eutectic solvents for clean synthesis of biphenyls over a magnetically separable Pd-catalyzed Suzuki-Miyaura coupling reaction. Journal of Molecular Liquids, 2021, 324, 115078.	4.9	31
27	Microemulsion-mediated synthesis and characterization of monodispersed nickel molybdate nanocrystals. Ceramics International, 2013, 39, 4619-4625.	4.8	30
28	Surface Functionalization of Magnetite Nanoparticles with Sulfonic Acid and Heteropoly Acid: Efficient Magnetically Recoverable Solid Acid Catalysts. Chemistry - an Asian Journal, 2019, 14, 1076-1083.	3.3	30
29	Molybdenum complex tethered to the surface of activated carbon as a new recoverable catalyst for the epoxidation of olefins. Applied Catalysis A: General, 2014, 478, 211-218.	4.3	29
30	Clicked graphene oxide as new support for the immobilization of peroxophosphotungstate: Efficient catalysts for the epoxidation of olefins. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 529, 886-892.	4.7	29
31	Design and photophysical insights on graphene quantum dots for use as nanosensor in differentiating methamphetamine and morphine in solution. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 206, 448-453.	3.9	29
32	Synthesis and characterization of new magnetically recoverable molybdenum nanocatalyst for epoxidation of olefins. Journal of Magnetism and Magnetic Materials, 2012, 324, 1431-1434.	2.3	28
33	Two novel octamolybdate nanoclusters as catalysts for dye degradation by air under room conditions. Dalton Transactions, 2015, 44, 6089-6097.	3.3	28
34	A covalently anchored Pd(II)-Schiff base complex over a modified surface of mesoporous silica SBA-16: An efficient and reusable catalyst for the Heck-Mizoroki coupling reaction in water. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 551, 117-127.	4.7	28
35	Immobilization of salen molybdenum complex on dendrimer functionalized magnetic nanoparticles and its catalytic activity for the epoxidation of olefins. Applied Surface Science, 2019, 481, 394-403.	6.1	28
36	A novel antifouling ultrafiltration membranes prepared from percarboxylic acid functionalized SiO₂ bound Fe₃O₄ nanoparticle (SCMNPâ€COOOH)/polyethersulfone nanocomposite for BSA separation and dye removal. Journal of Chemical Technology and Biotechnology, 2019, 94, 1341-1353.	3.2	28

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37	Wells-Dawson heteropoly acid immobilized inside the nanocages of SBA-16 with ship-in-a-bottle method: A new recoverable catalyst for the epoxidation of olefins. Journal of Molecular Catalysis A, 2016, 417, 81-88.	4.8	26
38	Surface functionalization of graphene oxide and graphene oxide-magnetite nanocomposite with molybdenum-bidentate Schiff base complex. Journal of Physics and Chemistry of Solids, 2019, 130, 6-12.	4.0	25
39	A novel inorganicâ€“organic hybrid compound based on heteropolyoxomolybdate nanocluster as selective catalyst for epoxidation of cyclooctene. Inorganic Chemistry Communication, 2014, 46, 251-253.	3.9	24
40	Clicked graphene oxide supported venturello catalyst: A new hybrid nanomaterial as catalyst for the selective epoxidation of olefins. Materials Chemistry and Physics, 2017, 199, 522-527.	4.0	24
41	Synthesis of micro-and nanosized PbS with different morphologies by the hydrothermal process. Ceramics International, 2014, 40, 8143-8148.	4.8	23
42	Synthesis, characterization and crystal structure of a copper molybdate coordination polymer as an epoxidation catalyst. Inorganica Chimica Acta, 2015, 433, 21-25.	2.4	23
43	New Coreâ€“Shell Nanocomposite Based on Co₃O₄Quantum Dots and Fe-Infinite Coordination Polymer with Efficient Charge Separation Properties as Visible Light Photocatalyst and Photo-electrocatalyst. Journal of Physical Chemistry C, 2020, 124, 19289-19303.	3.1	23
44	Sulfonic acid functionalized dendrimer-grafted cellulose as a solid acid catalyst for the high-yield and green production of 5-hydroxymethylfurfural. Sustainable Energy and Fuels, 2022, 6, 2514-2522.	4.9	23
45	Ultrafine and well-dispersed Pd-Ni bimetallic catalyst stabilized by dendrimer-grafted magnetic graphene oxide for selective reduction of toxic nitroarenes under mild conditions. Journal of Hazardous Materials, 2022, 424, 127717.	12.4	22
46	Sulfonic Acid Functionalized MILâ€101(Cr) Metalâ€Organic Framework for Catalytic Production of Acetals. ChemistrySelect, 2019, 4, 7495-7501.	1.5	21
47	Chemical modification of reduced graphene oxide with sulfonic acid groups: Efficient solid acids for acetalization and esterification reactions. Journal of the Taiwan Institute of Chemical Engineers, 2019, 102, 34-43.	5.3	21
48	Microemulsion-mediated preparation of Ce2(MoO4)3 nanoparticles for photocatalytic degradation of crystal violet in aqueous solution. Environmental Science and Pollution Research, 2020, 27, 12047-12054.	5.3	21
49	Preparation of Keggin-type polyoxometalate hybrid nanomaterial with one pot multicomponent reaction in reverse micelle nanoreactors. Inorganic Chemistry Communication, 2012, 15, 297-300.	3.9	19
50	Influence of SO3H groups incorporated as BrÃ¸nsted acidic parts by tandem post-synthetic functionalization on the catalytic behavior of MIL-101(Cr) MOF for methanolysis of styrene oxide. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 599, 124703.	4.7	19
51	Synthesis and characterization of ferric molybdate nanoparticles in reverse micelles nanoreactors. Powder Technology, 2012, 217, 554-557.	4.2	18
52	A new nanocomposite catalyst based on clayâ€supported heteropolyacid for the green synthesis of 2,4,5â€trisubstituted imidazoles. Applied Organometallic Chemistry, 2020, 34, e5727.	3.5	18
53	An efficient, cost-effective, and magnetically recoverable copper catalyst for O-arylation of phenols with aryl halides in choline chloride-based deep eutectic solvents. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 620, 126603.	4.7	18
54	Fe(III)-salen complex supported on dendrimer functionalized magnetite nanoparticles as a highly active and selective catalyst for the green oxidation of sulfides. Journal of Physics and Chemistry of Solids, 2020, 147, 109642.	4.0	17

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55	Heterogenization of peracids onto the MCM-41 and SBA-16 mesoporous materials for the epoxidation of cyclooctene. Materials Chemistry and Physics, 2017, 195, 74-81.	4.0	16
56	Designing a New Efficient Photocatalyst Based on Functionalization of Zn-Infinite Coordination Polymer with Ru(acac)₃ Complex for Dye Degradation in Aqueous Solutions: Charge Separation Effect. Langmuir, 2020, 36, 14224-14233.	3.5	16
57	Synthesis and characterization of bismuth molybdate nanoparticles within nanoreactors of reverse micelles. Powder Technology, 2012, 228, 228-230.	4.2	14
58	Modified CdS quantum dots as selective turn-on fluorescent nanosensor for detection and determination of methamphetamine. Journal of Materials Science: Materials in Electronics, 2019, 30, 21170-21176.	2.2	14
59	Preparation and characterization of novel nanoporous SBA-16-COOH embedded polysulfone ultrafiltration membrane for protein separation. Chemical Engineering Research and Design, 2020, 156, 240-250.	5.6	14
60	Pdâ€“Ni bimetallic catalyst supported on dendrimer-functionalized magnetic graphene oxide for efficient catalytic Suzuki-Miyaura coupling reaction. Tetrahedron, 2022, 108, 132655.	1.9	14
61	Click functionalization of magnetite nanoparticles: A new magnetically recoverable catalyst for the selective epoxidation of olefins. Applied Organometallic Chemistry, 2018, 32, e4064.	3.5	13
62	New Hybrid Nanomaterials Derived from Chemical Functionalization of Clicked Graphene Oxide / Magnetite Nanocomposite with Peroxopolyoxotungstate Species. ChemistrySelect, 2017, 2, 10786-10792.	1.5	12
63	A new BrÃ¸nsted acid MILâ€101(Cr) catalyst by tandem postâ€functionalization; synthesis and its catalytic application. Applied Organometallic Chemistry, 2020, 34, e5717.	3.5	12
64	A one-dimensional polyoxomolybdate polymer as a catalyst for the epoxidation of olefins. RSC Advances, 2016, 6, 29944-29949.	3.6	11
65	SBA-16 supported amino acid Schiff base complexes of molybdenum as new heterogeneous molybdenum catalysts. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 570, 347-353.	4.7	11
66	New approach for sulfonation of carbonaceous materials: Highly efficient solid acid catalysts for benzaldehyde acetalization with ethylene glycol. Journal of Physics and Chemistry of Solids, 2021, 150, 109846.	4.0	11
67	New Water Oxidation Electrocatalyst Based on the Cobalt-Containing Polyoxometalate-Reduced Graphene Oxide Hybrid Nanomaterial. Langmuir, 2021, 37, 1925-1931.	3.5	11
68	Peroxopolyoxometalate nanoparticles blended <scp>PES</scp> membrane with improved hydrophilicity, antiâ€fouling, permeability, and dye separation properties. Journal of Applied Polymer Science, 2021, 138, 50764.	2.6	11
69	Heterogenized peroxopolyoxotungstate catalyst on the surface of clicked magnetiteâ€graphene oxide nanocomposite: Magnetically recoverable epoxidation catalyst. Applied Organometallic Chemistry, 2018, 32, e4142.	3.5	11
70	Chemically functionalized ZnS quantum dots as new optical nanosensor of herbicides. Materials Research Express, 2018, 5, 035055.	1.6	10
71	Microemulsion-mediated synthesis, characterization and optical properties of spherical nickel tungstate nanocrystals. Journal of Materials Science: Materials in Electronics, 2017, 28, 1328-1335.	2.2	9
72	A selective morphine nanosensor derived from functionalized CdS quantum dots. Materials Letters, 2018, 228, 68-71.	2.6	9

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73	Fabrication of new magnetite based sulfonic-phosphotungstic dual-acid catalyst for catalytic acetalization of benzaldehyde with ethylene glycol. Reaction Kinetics, Mechanisms and Catalysis, 2020, 130, 979-991.	1.7	9
74	Venturello anion immobilized on the surface of porous activated carbon as heterogeneous catalyst for the epoxidation of olefins. Reaction Kinetics, Mechanisms and Catalysis, 2020, 130, 303-315.	1.7	9
75	CdS quantum dots encapsulated within the mesopores of MCM-41 and interlayers of montmorillonite as photocatalysts for rhodamine-B degradation in aqueous solution. Environmental Science and Pollution Research, 2021, 28, 4615-4622.	5.3	9
76	Design and application of a polyoxometalate-ionic liquid-graphene oxide hybrid nanomaterial: New electrocatalyst for water oxidation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 632, 127812.	4.7	9
77	Immobilization of a molybdenum-glycine Schiff base complex within the nanocages of zeolite Y with flexible ligand method. Journal of Porous Materials, 2017, 24, 39-44.	2.6	7
78	Superiority of Activated Carbon versus MCMâ€41â€‰for the Immobilization of Molybdenum Dithiocarbamate Complex as Heterogeneous Epoxidation Catalyst. ChemistrySelect, 2017, 2, 1163-1169.	1.5	7
79	A new 2D cadmium coordination polymer based on hydroxylâ€substituted benzenedicarboxylic acid as an effective heterogeneous catalyst for Knoevenagel condensation. Applied Organometallic Chemistry, 2020, 34, e5890.	3.5	7
80	Post-synthetic modification of porous [Cu3(BTC)2] (BTCâ€‰=â€‰benzeneâ€1,3,5â€tricarboxylate) metal organic framework with molybdenum and vanadium complexes for the epoxidation of olefins and allyl alcohols. Reaction Kinetics, Mechanisms and Catalysis, 2021, 132, 235-250.	1.7	7
81	One-pot, facile synthesis and fast separation of a UiO-66 composite by a metalloporphyrin using nanomagnetic materials for oxidation of olefins and allylic alcohols. New Journal of Chemistry, 2022, 46, 654-662.	2.8	7
82	Nanosilica supported molybdenum catalyst for the epoxidation of olefins under thermal and ultrasonic irradiation conditions. Reaction Kinetics, Mechanisms and Catalysis, 2017, 120, 593-603.	1.7	6
83	Surface functionalized cadmium telluride quantum dots for the optical detection and determination of herbicides. Journal of Materials Science: Materials in Electronics, 2018, 29, 6254-6259.	2.2	6
84	CdTe0.5S0.5/ZnS Quantum Dots Embedded in a Molecularly Imprinted Polymer for the Selective Optosensing of Dopamine. Nanomaterials, 2019, 9, 693.	4.1	6
85	Optical properties of copper tungstate nanoparticles prepared by microemulsion method. Inorganic and Nano-Metal Chemistry, 2019, 49, 63-68.	1.6	6
86	Star-shaped Keggin-type heteropolytungstate nanostructure as a new catalyst for the preparation of quinoxaline derivatives. Comptes Rendus Chimie, 2014, 17, 1136-1143.	0.5	5
87	Sonochemical Synthesis of a Nanosized Coordination Polymer with Catalytic Activity for Selective Epoxidation of Olefins. ChemistrySelect, 2016, 1, 5374-5379.	1.5	5
88	Shipâ€inâ€bottle preparation of multiâ€SO‹sub›3‹/sub›H functionalized ionic liquid@MILâ€100(Fe) for acidâ€catalyzed ringâ€opening of epoxides. Applied Organometallic Chemistry, 2021, 35, e6424.	3.5	5
89	Co3O4 quantum dots-polyoxometalate nanocomposites as visible light photoelectrocatalysts for selective oxidation of benzyl alcohol. Journal of Physics and Chemistry of Solids, 2022, 162, 110527.	4.0	5
90	Wellsâ€“Dawson heteropoly acid encapsulated into the nanocages of SBA-16 as heterogeneous catalyst for the oxidation of olefins and alcohols. Journal of Porous Materials, 2016, 23, 285-290.	2.6	4

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91	Surface modification of magnetite nanoparticles with molybdenum-dithiocarbamate complex: a new magnetically separable nanocatalyst. Monatshefte FÃ¼r Chemie, 2017, 148, 1403-1410.	1.8	4
92	Heterogenization of porphyrin complexes within the nanocages of SBA-16: New efficient and stable catalysts for the epoxidation of olefins. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 603, 125229.	4.7	4
93	Phenyl sulfonic acid functionalized graphene-based materials: Synthetic approaches and applications in organic reactions. Tetrahedron, 2021, 86, 132083.	1.9	4
94	Incorporation of one or dual BrÃ¸nsted acidic sites within the mesopores of MCM-41: Synthesis and catalytic activity in acetalization reaction. Journal of Physics and Chemistry of Solids, 2021, 157, 110220.	4.0	4
95	Supported molybdenum complex on the surface of magnetite-mesoporous silica nanocomposite: new catalyst for the epoxidation of olefins. Journal of Porous Materials, 2018, 25, 1195-1201.	2.6	3
96	Heteropolytungstate nanoparticles: Microemulsion-mediated preparation and investigation of their catalytic activity in the epoxidation of olefins. Materials Research Bulletin, 2016, 76, 332-337.	5.2	2
97	Encapsulation of Molybdenum Schiffâ€base Complex Inside the SBAâ€16 Nanocages with shipâ€inâ€aâ€“bottle Strategy for Selective Epoxidation of Alkenes. ChemistrySelect, 2021, 6, 12582-12589.	1.5	1
98	Facile synthesis of rod-like nanostructured histidine-phosphomolybdate hybrid material with microemulsion method. Inorganic and Nano-Metal Chemistry, 2017, 47, 543-548.	1.6	0
99	Charge separation effect in the nanocomposites of Co3O4-QDs: visible light photocatalytic dye degradation in aqueous solutions. Environmental Science and Pollution Research, 2022, , .	5.3	0