

# Cheng-Xia Miao

## List of Publications by Year in descending order

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63  
papers

2,733  
citations

201674

27  
h-index

182427

51  
g-index

78  
all docs

78  
docs citations

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times ranked

2745  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct deoxygenation of active allylic alcohols <i>via</i> metal-free catalysis. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 1680-1689.	2.8	3
2	Acidic Ionic Liquids as Metal-Free and Recyclable Catalysts for Direct Reduction of Aromatic Allylic Alcohol in Dimethyl Carbonate via Hydrogen Transfer. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 6784-6793.	6.7	4
3	Theoretical investigation on the mechanism and enantioselectivity of organocatalytic asymmetric Povarov reactions of anilines and aldehydes. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26574.	2.0	5
4	Ionic Liquids with Multi-Active Sites Synergistically Catalyzed Metal-Free Transformation of Alcohols Using Dimethyl Carbonate as an Environmental Solvent. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 3819-3826.	2.4	7
5	Bu <sub>4</sub> NHSO <sub>4</sub> -Catalyzed Direct <i>N</i> -Allylation of Pyrazole and its Derivatives with Allylic Alcohols in Water: A Metal-Free, Recyclable and Sustainable System. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 5461-5472.	4.3	14
6	Efficient removal of Pb <sup>2+</sup> and Cd <sup>2+</sup> using a Cu(I)-Br coordination polymer constructed with an amino-rich ligand. <i>CrystEngComm</i> , 2021, 23, 1489-1496.	2.6	3
7	Direct synthesis of cyclic carbonates from olefins and CO <sub>2</sub> : Single- or multi-component catalytic systems via epoxide or halohydrin intermediate. <i>Journal of CO<sub>2</sub> Utilization</i> , 2021, 53, 101742.	6.8	11
8	TEMPO and its derivatives mediated reactions under transition-metal-free conditions. <i>Chinese Chemical Letters</i> , 2020, 31, 39-48.	9.0	25
9	A CO <sub>2</sub> -induced ROCO <sub>2</sub> Na/ROCO <sub>2</sub> H buffer solution promoted the carboxylative cyclization of propargyl alcohol to synthesize cyclic carbonates. <i>Catalysis Science and Technology</i> , 2020, 10, 736-741.	4.1	8
10	Theoretical investigation on transformation of Cr(II) to Cr(V) complexes bearing tetra- <i>N</i> -heterocyclic carbene and group transfer reactivity. <i>International Journal of Quantum Chemistry</i> , 2020, 120, e26340.	2.0	6
11	A Cu(I)-I coordination polymer fluorescent chemosensor with amino-rich sites for nitro aromatic compound (NAC) detection in water. <i>CrystEngComm</i> , 2020, 22, 5690-5697.	2.6	19
12	Effect of Ligand Topology on the Reactivity of Chiral Tetradentate Aminopyridine Manganese Complexes. <i>ACS Catalysis</i> , 2020, 10, 11857-11863.	11.2	9
13	Efficient Thiolation of Alcohols Catalyzed by Long Chained Acid-Functionalized Ionic Liquids under Mild Conditions. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3012-3021.	2.4	16
14	Efficient Catalysts In situ Generated from Zinc, Amide and Benzyl Bromide for Epoxide/CO <sub>2</sub> Coupling Reaction at Atmospheric Pressure. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 1311-1316.	2.4	17
15	Mechanistic Insights into the Enantioselective Epoxidation of Olefins by Bioinspired Manganese Complexes: Role of Carboxylic Acid and Nature of Active Oxidant. <i>ACS Catalysis</i> , 2018, 8, 4528-4538.	11.2	72
16	Highly Enantioselective Oxidation of Spirocyclic Hydrocarbons by Bioinspired Manganese Catalysts and Hydrogen Peroxide. <i>ACS Catalysis</i> , 2018, 8, 2479-2487.	11.2	75
17	A novel manganese(III)-peroxo complex bearing a proline-derived pentadentate aminobenzimidazole ligand. <i>Chinese Chemical Letters</i> , 2018, 29, 1869-1871.	9.0	4
18	Bioinspired Manganese Complexes and Graphene Oxide Synergistically Catalyzed Asymmetric Epoxidation of Olefins with Aqueous Hydrogen Peroxide. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 476-484.	4.3	27

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19	Manganese complex-catalyzed oxidation and oxidative kinetic resolution of secondary alcohols by hydrogen peroxide. <i>Chemical Science</i> , 2017, 8, 7476-7482.	7.4	49
20	Enantioselective Epoxidation of Olefins with H <sub>2</sub> O <sub>2</sub> Catalyzed by Bioinspired Aminopyridine Manganese Complexes. <i>Organic Letters</i> , 2016, 18, 372-375.	4.6	63
21	Synergistic Acid-Catalyzed Synthesis of <i>N</i> -Aryl-Substituted Azacycles from Anilines and Cyclic Ethers. <i>Organic Letters</i> , 2016, 18, 1522-1525.	4.6	22
22	Proton-Promoted and Anion-Enhanced Epoxidation of Olefins by Hydrogen Peroxide in the Presence of Nonheme Manganese Catalysts. <i>Journal of the American Chemical Society</i> , 2016, 138, 936-943.	13.7	114
23	NHPI and ferric nitrate: a mild and selective system for aerobic oxidation of benzylic methylenes. <i>Catalysis Science and Technology</i> , 2016, 6, 1378-1383.	4.1	78
24	4- <i>tert</i> -butylphenyl-TEMPO/Peracetic Acid System for a Shortened Electron-Transfer-Cycle-Controlled Oxidation of Secondary Alcohols. <i>ChemCatChem</i> , 2015, 7, 1865-1870.	3.7	12
25	Highly Efficient Oxidation of Secondary Alcohols to Ketones Catalyzed by Manganese Complexes of N <sub>4</sub> Ligands with H <sub>2</sub> O <sub>2</sub> . <i>Organic Letters</i> , 2015, 17, 54-57.	4.6	67
26	A Salen-Co <sup>3+</sup> Catalyst for the Hydration of Terminal Alkynes and in Tandem Catalysis with Ru <sup>2+</sup> -TsDPEN for the One-Pot Transformation of Alkynes into Chiral Alcohols. <i>ChemCatChem</i> , 2014, 6, 1612-1616.	3.7	29
27	Hydration of terminal alkynes catalyzed by a water-soluble salen-Co(III) complex. <i>Chinese Journal of Catalysis</i> , 2014, 35, 1695-1700.	14.0	14
28	CuI/N <sub>4</sub> ligand/TEMPO derivatives: A mild and highly efficient system for aerobic oxidation of primary alcohols. <i>Chinese Journal of Catalysis</i> , 2014, 35, 1864-1870.	14.0	7
29	Efficient Benzylic and Aliphatic C-H Oxidation with Selectivity for Methylenic Sites Catalyzed by a Bioinspired Manganese Complex. <i>Organic Letters</i> , 2014, 16, 1108-1111.	4.6	127
30	Aerobic oxidation of secondary alcohols using NHPI and iron salt as catalysts at room temperature. <i>Journal of Molecular Catalysis A</i> , 2014, 393, 62-67.	4.8	22
31	N-Bromosuccinimide as an oxidant for the transition-metal-free synthesis of 2-aminobenzoxazoles from benzoxazoles and secondary amines. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 3108.	2.8	31
32	Tetraethylammonium iodide catalyzed synthesis of diaryl ketones via the merger of cleavage of C=C double bonds and recombination of aromatic groups. <i>RSC Advances</i> , 2014, 4, 46494-46497.	3.6	15
33	A Mononuclear Manganese Complex of a Tetradentate Nitrogen Ligand: Synthesis, Characterizations, and Application in the Asymmetric Epoxidation of Olefins. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 5777-5782.	2.0	34
34	Merging the ring opening of benzoxazoles with secondary amines and an iron-catalyzed oxidative cyclization towards the environmentally friendly synthesis of 2-aminobenzoxazoles. <i>Green Chemistry</i> , 2013, 15, 2975.	9.0	28
35	Asymmetric 5-endo chloroetherification of homoallylic alcohols toward the synthesis of chiral 2-chlorotetrahydrofurans. <i>Chemical Communications</i> , 2013, 49, 2418.	4.1	75
36	Magnetic Fe-Ni Alloy Catalyzed Suzuki Cross-Coupling Reactions of Aryl Halides with Phenylboronic Acid. <i>ChemCatChem</i> , 2013, 5, 142-145.	3.7	14

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37	Facile and highly chemoselective synthesis of benzil derivatives via oxidation of stilbenes in an H <sub>2</sub> O system. <i>RSC Advances</i> , 2013, 3, 9666.	3.6	27
38	Bioinspired Manganese and Iron Complexes with Tetradentate N Ligands for the Asymmetric Epoxidation of Olefins. <i>ChemCatChem</i> , 2013, 5, 2489-2494.	3.7	59
39	Application of Sulfuryl Chloride for the Quick Construction of $\beta$ -Chlorotetrahydrofuran Derivatives from Homoallylic Alcohols under Mild Conditions. <i>Synthesis</i> , 2013, 45, 2391-2396.	2.3	7
40	Non-heme manganese complexes of C <sub>1</sub> -symmetric N <sub>4</sub> ligands: Synthesis, characterization and asymmetric epoxidations of $\alpha,\beta$ -enones. <i>Journal of Organometallic Chemistry</i> , 2012, 715, 9-12.	1.8	25
41	Enantioselective cyanation of aldehydes catalyzed by bifunctional salen-aluminum complex. <i>Catalysis Communications</i> , 2012, 27, 138-140.	3.3	8
42	The Direct Arylation of Unactivated Arenes with Aryl Halides Catalyzed by a Magnetically Recyclable Fe-Ni Alloy. <i>ChemCatChem</i> , 2012, 4, 192-195.	3.7	15
43	Magnetic Nanoparticles of Ferrite Complex Oxides: A Cheap, Efficient, Recyclable Catalyst for Building the C-C Bond under Ligand-Free Conditions. <i>ChemCatChem</i> , 2012, 4, 824-830.	3.7	43
44	Inside Cover: Magnetic Nanoparticles of Ferrite Complex Oxides: A Cheap, Efficient, Recyclable Catalyst for Building the C-C Bond under Ligand-Free Conditions ( <i>ChemCatChem</i> 6/2012). <i>ChemCatChem</i> , 2012, 4, 710-710.	3.7	0
45	Manganese Catalysts with C <sub>1</sub> -Symmetric N <sub>4</sub> Ligand for Enantioselective Epoxidation of Olefins. <i>Chemistry - A European Journal</i> , 2012, 18, 6750-6753.	3.3	95
46	Mn(II) complexes with tetradentate N <sub>4</sub> ligands: Highly efficient catalysts for the epoxidation of olefins with H <sub>2</sub> O <sub>2</sub> . <i>Journal of Molecular Catalysis A</i> , 2012, 353-354, 185-191.	4.8	21
47	Synthesis of bimagnetic ionic liquid and application for selective aerobic oxidation of aromatic alcohols under mild conditions. <i>Chemical Communications</i> , 2011, 47, 2697.	4.1	100
48	Tert-butyl nitrite: a metal-free radical initiator for aerobic cleavage of benzylic C-C bonds in compressed carbon dioxide. <i>Green Chemistry</i> , 2011, 13, 541.	9.0	53
49	Chiral Bioinspired Non-Heme Iron Complexes for Enantioselective Epoxidation of $\alpha,\beta$ -Unsaturated Ketones. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 3014-3022.	4.3	110
50	Biaryl-Bridged Salalen Ligands and Their Application in Titanium-Catalyzed Asymmetric Epoxidation of Olefins with Aqueous H <sub>2</sub> O <sub>2</sub> . <i>European Journal of Organic Chemistry</i> , 2011, 2011, 4289-4292.	2.4	29
51	Carbon Dioxide in Heterocyclic Synthesis. <i>Current Organic Chemistry</i> , 2011, 15, 621-646.	1.6	61
52	Chemical fixation of CO <sub>2</sub> : efficient synthesis of quinazoline-2,4(1H, 3H)-diones catalyzed by guanidines under solvent-free conditions. <i>Tetrahedron</i> , 2010, 66, 4063-4067.	1.9	100
53	Lewis Basic Ionic Liquids-Catalyzed Conversion of Carbon Dioxide to Cyclic Carbonates. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 2233-2240.	4.3	252
54	Self-Neutralizing in Situ Acidic CO <sub>2</sub> /H <sub>2</sub> O System for Aerobic Oxidation of Alcohols Catalyzed by TEMPO Functionalized Imidazolium Salt/NaNO <sub>2</sub> . <i>Journal of Organic Chemistry</i> , 2010, 75, 257-260.	3.2	69

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55	TEMPO and Carboxylic Acid Functionalized Imidazolium Salts/Sodium Nitrite: An Efficient, Reusable, Transition Metal-Free Catalytic System for Aerobic Oxidation of Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2209-2216.	4.3	103
56	The Free-Radical Chemistry of Polyethylene Glycol: Organic Reactions in Compressed Carbon Dioxide. <i>ChemSusChem</i> , 2009, 2, 755-760.	6.8	21
57	Methodologies for chemical utilization of CO <sub>2</sub> to valuable compounds through molecular activation by efficient catalysts. <i>Frontiers of Chemical Engineering in China</i> , 2009, 3, 224-228.	0.6	9
58	Ethylene carbonate as a unique solvent for palladium-catalyzed Wacker oxidation using oxygen as the sole oxidant. <i>Green Chemistry</i> , 2009, 11, 1317.	9.0	61
59	Polyethylene glycol radical-initiated oxidation of benzylic alcohols in compressed carbon dioxide. <i>Green Chemistry</i> , 2009, 11, 1013.	9.0	24
60	Bifunctional Metal-Salen Complexes as Efficient Catalysts for the Fixation of CO <sub>2</sub> with Epoxides under Solvent-Free Conditions. <i>ChemSusChem</i> , 2008, 1, 236-241.	6.8	180
61	Efficient synthesis of dimethyl carbonate from methanol, propylene oxide and CO <sub>2</sub> catalyzed by recyclable inorganic base/phosphonium halide-functionalized polyethylene glycol. <i>Green Chemistry</i> , 2007, 9, 566-571.	9.0	127
62	Long-Chained Acidic Ionic Liquids-Catalyzed Cyclization of 2-Substituted Aminoaromatics with 1,2-Diketones: A Metal-Free Strategy to Construct Benzoazoles. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	6.7	8
63	Theoretical investigation of the mechanism of DMAP-promoted [4 + 2]-annulation of prop-2-ynylsulfonium with isatoic anhydride. <i>Canadian Journal of Chemistry</i> , 0, , 1-9.	1.1	0