

# Wei Zhong

## List of Publications by Year in descending order

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50  
papers

1,139  
citations

394390

19  
h-index

434170

31  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1348  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, Microwave Electromagnetic, and Microwave Absorption Properties of Twin Carbon Nanocoils. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19316-19323.	3.1	151
2	Amino-directed Rh <sup>III</sup> -Catalyzed C <sub>1</sub> H <sub>2</sub> Activation Leading to One-Pot Synthesis of Ni <sub>2</sub> H Carbazoles. <i>Chemistry - A European Journal</i> , 2013, 19, 1903-1907.	3.3	85
3	Preparation and Magnetic Properties of Barium Hexaferrite Nanoparticles Produced by the Citrate Process. <i>Journal of the American Ceramic Society</i> , 1997, 80, 3258-3262.	3.8	62
4	Controlling carbon monoxide binding at di-iron units related to the iron-only hydrogenase sub-site. <i>Chemical Communications</i> , 2008, , 606-608.	4.1	53
5	Polyimidazolium Salts: Robust Catalysts for the Cycloaddition of Carbon Dioxide into Carbonates in Solvent-free Conditions. <i>ChemSusChem</i> , 2017, 10, 2728-2735.	6.8	53
6	Diiron hexacarbonyl complexes bearing naphthalene-1,8-dithiolate bridge moiety as mimics of the sub-unit of [FeFe]-hydrogenase: synthesis, characterisation and electrochemical investigations. <i>New Journal of Chemistry</i> , 2015, 39, 9752-9760.	2.8	40
7	Iron(III) complexes of multidentate pyridinyl ligands: synthesis, characterization and catalysis of the direct hydroxylation of benzene. <i>Dalton Transactions</i> , 2014, 43, 15337-15345.	3.3	34
8	Identifying Surface Active Sites of SnO <sub>2</sub> : Roles of Surface O <sub>2</sub> <sup>•-</sup> , O <sub>2</sub> <sup>2-</sup> Anions and Acidic Species Played for Toluene Deep Oxidation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 18569-18581.	3.7	32
9	Synthesis and characterization of copper(II) complexes with multidentate ligands as catalysts for the direct hydroxylation of benzene to phenol. <i>Dalton Transactions</i> , 2015, 44, 8013-8020.	3.3	31
10	A green approach for aerobic oxidation of benzylic alcohols catalysed by Cu <sup>I</sup> -Y zeolite/TEMPO in ethanol without additional additives. <i>New Journal of Chemistry</i> , 2021, 45, 705-713.	2.8	31
11	Investigation of lattice capacity effect on Cu <sup>2+</sup> -doped SnO <sub>2</sub> solid solution catalysts to promote reaction performance toward NO-SCR with NH <sub>3</sub> . <i>Chinese Journal of Catalysis</i> , 2020, 41, 877-888.	14.0	29
12	Copper-catalyzed synthesis of aryl and alkyl trifluoromethyl sulfides using CF <sub>3</sub> SiMe <sub>3</sub> and Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> as a SCF <sub>3</sub> source. <i>Tetrahedron Letters</i> , 2014, 55, 4909-4911.	1.4	27
13	Electrochemical investigation into the electron transfer mechanism of a diiron hexacarbonyl complex bearing a bridging naphthalene moiety. <i>Electrochimica Acta</i> , 2015, 163, 190-195.	5.2	27
14	Roles of phenol groups and auxiliary ligand of copper(II) complexes with tetradentate ligands in the aerobic oxidation of benzyl alcohol. <i>Dalton Transactions</i> , 2017, 46, 8286-8297.	3.3	26
15	Aerobic Oxidation of Alcohols Catalysed by Cu(I)/NMI/TEMPO System and Its Mechanistic Insights. <i>Catalysis Letters</i> , 2018, 148, 2709-2718.	2.6	26
16	Diiron Complexes with Pendant Phenol Group(s) as Mimics of the Diiron Subunit of [FeFe]-Hydrogenase: Synthesis, Characterisation, and Electrochemical Investigation. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 1112-1120.	2.0	25
17	Brief survey of diiron and monoiron carbonyl complexes and their potentials as CO-releasing molecules (CORMs). <i>Coordination Chemistry Reviews</i> , 2021, 429, 213634.	18.8	24
18	Tumor Microenvironment-Activated Nanoparticles Loaded with an Iron-Carbonyl Complex for Chemodynamic Immunotherapy of Lung Metastasis of Melanoma <i>In Vivo</i> . <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 39100-39111.	8.0	24

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19	Characterization and Magnetic Properties of Helical Carbon Nanotubes and Carbon Nanobelts Synthesized in Acetylene Decomposition over Fe <sup>2+</sup> Cu Nanoparticles at 450 °C. <i>Journal of Physical Chemistry C</i> , 2009, 113, 15934-15940.	3.1	21
20	Magnetic core-shell Fe <sub>3</sub> O <sub>4</sub> @Cu <sub>2</sub> O and Fe <sub>3</sub> O <sub>4</sub> @Cu <sub>2</sub> O@Cu materials as catalysts for aerobic oxidation of benzylic alcohols assisted by TEMPO and <i>N</i> -methylimidazole. <i>RSC Advances</i> , 2020, 10, 26142-26150.	3.6	20
21	The influence of a peripheral functional group of diiron hexacarbonyl complexes on their electrochemistry and electrocatalytic reduction of proton. <i>Electrochimica Acta</i> , 2017, 247, 779-786.	5.2	18
22	Polymers functionalized with 1,2-benzenedithiolate-bridged model compound of [FeFe]-hydrogenase: Synthesis, characterization and their catalytic activity. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 14068-14078.	7.1	17
23	A rare bond between a soft metal (Fe) and a relatively hard base (RO <sup>-</sup> , R = phenolic moiety). <i>Inorganic Chemistry Communication</i> , 2010, 13, 1089-1092.	3.9	16
24	Unusual group migration and C(sp <sup>3</sup> )-H activation leading to stable metallacycles in the reactions of Cp*IrS <sub>2</sub> C <sub>2</sub> B <sub>10</sub> H <sub>10</sub> and aryl azides. <i>Chemical Communications</i> , 2012, 48, 2152.	4.1	15
25	Multi-pyridine decorated Fe(II) and Ru(II) complexes by Pd(0)-catalysed cross couplings: new building blocks for metallosupramolecular assemblies. <i>Dalton Transactions</i> , 2013, 42, 15625.	3.3	15
26	Proton-coupled electron transfer in the reduction of diiron hexacarbonyl complexes and its enhancement on the electrocatalytic reduction of protons by a pendant basic group. <i>Dalton Transactions</i> , 2019, 48, 13711-13718.	3.3	15
27	Probing into the electrochemistry of four nickel(II) and cobalt(II) complexes with azadiphosphine ligands (PNP) and their catalysis on proton reduction. <i>Electrochimica Acta</i> , 2020, 340, 135998.	5.2	15
28	Recent developments in electrochemical investigations into iron carbonyl complexes relevant to the iron centres of hydrogenases. <i>Dalton Transactions</i> , 2021, 51, 40-47.	3.3	15
29	Magnetic Properties and Large-Scale Synthesis of Novel Carbon Nanocomposites via Benzene Decomposition over Ni Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2009, 113, 2267-2272.	3.1	14
30	Synthesis and Reactivity of the Imido-Bridged Metallothiocarboranes CpCo(S <sub>2</sub> C <sub>2</sub> B <sub>10</sub> H <sub>10</sub> )(NSO <sub>2</sub> R). <i>Organometallics</i> , 2012, 31, 6658-6668.	2.3	14
31	Synthesis, characterisation of two hexa-iron clusters with {Fe <sub>2</sub> S <sub>2</sub> (CO) <sub>x</sub> } (x=5 or 6) fragments and investigation into their inter-conversion. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 3751-3759.	1.8	13
32	Tailoring Active O <sub>2</sub> <sup>-</sup> and O <sub>2</sub> <sup>2-</sup> Anions on a ZnO Surface with the Addition of Different Alkali Metals Probed by CO Oxidation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 9382-9392.	3.7	13
33	Engineering the surface of cuprous oxide via surface coordination for efficient catalysis on aerobic oxidation of benzylic alcohols under ambient conditions. <i>Applied Surface Science</i> , 2021, 543, 148840.	6.1	13
34	Synthesis, cytotoxic activities and cell cycle arrest profiles of half-sandwich N-sulfonamide based dithio-o-carborane metal complexes. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 4693-4700.	3.0	12
35	Using polyethyleneimine (PEI) as a scaffold to construct mimicking systems of [FeFe]-hydrogenase: preparation, characterization of PEI-based materials, and their catalysis on proton reduction. <i>Applied Organometallic Chemistry</i> , 2013, 27, 253-260.	3.5	12
36	Probing the electron transfer mechanism of the half-sandwich iron(II)-carbonyl complexes and their catalysis on proton reduction. <i>Electrochimica Acta</i> , 2018, 283, 27-35.	5.2	12

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37	Alcohol-Induced C–N Bond Cleavage of Cyclometalated Heterocyclic Carbene Ligands with a Methylene-Linked Pendant Imidazolium Ring. <i>Chemistry - A European Journal</i> , 2016, 22, 12138-12144.	3.3	11
38	A dinuclear iron(II) complex bearing multidentate pyridinyl ligand: Synthesis, characterization and its catalysis on the hydroxylation of aromatic compounds. <i>Inorganica Chimica Acta</i> , 2016, 444, 159-165.	2.4	11
39	Periodic mesoporous organosilicas functionalized with iron complexes: preparation, characterization and catalysis on direct hydroxylation of benzene to phenol. <i>RSC Advances</i> , 2016, 6, 98406-98412.	3.6	10
40	Synergetic oxidation of ethylbenzene to acetophenone catalyzed by manganese(II) complexes bearing pendant iodophenyl groups. <i>Journal of Organometallic Chemistry</i> , 2017, 853, 136-142.	1.8	10
41	Revealing the Intrinsic Nature of the Synergistic Effect Caused by the Formation of Heterojunctions in Cu <sub>2</sub> O/rGO-NH <sub>2</sub> Nanomaterials in the Catalysis of Selective Aerobic Oxidation of Benzyl Alcohol. <i>Inorganic Chemistry</i> , 2021, 60, 14540-14543.	4.0	10
42	Beckmann rearrangement of ketoximes promoted by cyanuric chloride and dimethyl sulfoxide under a mild condition. <i>Tetrahedron Letters</i> , 2021, 63, 152707.	1.4	9
43	The superiority of cuprous chloride to iodide in the selective aerobic oxidation of benzylic alcohols at ambient temperature. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6245.	3.5	7
44	Investigation into the reactivity of 16-electron complexes Cp*Co(S <sub>2</sub> C <sub>2</sub> B <sub>10</sub> H <sub>10</sub> ) (Cp* = Tj ETQ 0 0 rgBT /Overlo	0.6	0
45	Synthesis and characterization of chroman-containing compounds and their preliminary assessment of cytotoxicity toward two human cancer cell lines. <i>Heteroatom Chemistry</i> , 2010, 21, 423-429.	0.7	3
46	Radical coupling for directed C–S bond formation in the reaction of Cp*IrS <sub>2</sub> C <sub>2</sub> B <sub>10</sub> H <sub>10</sub> with 1-azido-3-nitrobenzene. <i>Dalton Transactions</i> , 2014, 43, 4962.	3.3	3
47	Facile synthesis of 4,4'-bis-sydnones. <i>Arkivoc</i> , 2015, 2015, 122-130.	0.5	3
48	Very thin barium ferrite particles prepared by a novel technique: Ion exchange resin method. <i>Journal of Applied Physics</i> , 1999, 85, 5552-5554.	2.5	2
49	Reactivity Modes of Cp*M-Type Half-Sandwich Dichalcogenolate Complexes with 2,6-Disubstituted Aryl Azides: The Effects of the Metal Center, Chalcogen, and Ligand Moiety on Product Formation. <i>ACS Omega</i> , 2019, 4, 12719-12726.	3.5	2
50	Iron(0) tricarbonyl $\eta^4$ -1-azadiene complexes and their catalytic performance in the hydroboration of ketones, aldehydes and aldimines via a non-iron hydride pathway. <i>Dalton Transactions</i> , 0, . , .	3.3	1