

Jing Zhao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

100
papers

2,995
citations

33
h-index

51
g-index

113
ext. papers

3,619
ext. citations

7.9
avg, IF

5.42
L-index

#	Paper	IF	Citations
100	High-index facets exposed on metal-organic framework for boosting photocatalytic carbon dioxide reduction. <i>Chemical Engineering Journal</i> , 2022 , 431, 134125	14.7	0
99	A novel fluorescence method for detection of phosphate anions based on porphyrin metalation.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 274, 121136	4.4	0
98	3D two-photon brain imaging reveals dihydroartemisinin exerts antiepileptic effects by modulating iron homeostasis.. <i>Cell Chemical Biology</i> , 2021 ,	8.2	3
97	Enhanced Photocatalytic CO ₂ Reduction Activity over NH ₂ -MIL-125(Ti) by Facet Regulation. <i>ACS Catalysis</i> , 2021 , 11, 650-658	13.1	46
96	Using bio-orthogonally catalyzed lethality strategy to generate mitochondria-targeting anti-tumor metallodrugs and. <i>National Science Review</i> , 2021 , 8, nwaa286	10.8	6
95	A Cysteine-Mediated Synthesis of Red Phosphorus Nanosheets. <i>Angewandte Chemie</i> , 2021 , 133, 12632-12639	16.3	0
94	Oxidized Black Phosphorus Nanosheets as an Inorganic Antiresorptive Agent. <i>CCS Chemistry</i> , 2021 , 3, 1105-1115	7.2	1
93	A Cysteine-Mediated Synthesis of Red Phosphorus Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 12524-12531	16.4	7
92	Engineering Cell Membrane-Based Nanovesicles for Melanoma Tumor Treatment. <i>Journal of Biomedical Nanotechnology</i> , 2021 , 17, 838-845	4	2
91	Using a Riboswitch Sensor to Detect Co/Ni Transport in. <i>Frontiers in Chemistry</i> , 2021 , 9, 631909	5	0
90	NF45/NF90-mediated rDNA transcription provides a novel target for immunosuppressant development. <i>EMBO Molecular Medicine</i> , 2021 , 13, e12834	12	3
89	An Activity-Based Sensing Fluorogenic Probe for Monitoring Ethylene in Living Cells and Plants. <i>Angewandte Chemie</i> , 2021 , 133, 22105-22113	3.6	1
88	An Activity-Based Sensing Fluorogenic Probe for Monitoring Ethylene in Living Cells and Plants. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 21934-21942	16.4	2
87	Crystallographic facet heterojunction of MIL-125-NH ₂ (Ti) for carbon dioxide photoreduction. <i>Applied Catalysis B: Environmental</i> , 2021 , 298, 120524	21.8	8
86	Rhodium(III)-Catalyzed Alkenyl C-H Functionalization to Dienes and Allenes. <i>Organic Letters</i> , 2020 , 22, 8786-8790	6.2	5
85	Protein Corona and Immune Responses of Borophene: A Comparison of Nanosheet-Plasma Interface with Graphene and Phosphorene.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 4220-4229	4.1	12
84	Rh(III)-Catalyzed C(sp)-H Acetoxylation of 8-Methylquinolines. <i>Organic Letters</i> , 2020 , 22, 5390-5395	6.2	10

83	Exploiting the protein corona: coating of black phosphorus nanosheets enables macrophage polarization via calcium influx. <i>Nanoscale</i> , 2020 , 12, 1742-1748	7.7	20
82	Arsenene: A Potential Therapeutic Agent for Acute Promyelocytic Leukaemia Cells by Acting on Nuclear Proteins. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 5151-5158	16.4	33
81	An Inorganic Biopolymer Polyphosphate Controls Positively Charged Protein Phase Transitions. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 2679-2683	16.4	5
80	An Inorganic Biopolymer Polyphosphate Controls Positively Charged Protein Phase Transitions. <i>Angewandte Chemie</i> , 2020 , 132, 2701-2705	3.6	1
79	Arsenene: A Potential Therapeutic Agent for Acute Promyelocytic Leukaemia Cells by Acting on Nuclear Proteins. <i>Angewandte Chemie</i> , 2020 , 132, 5189-5196	3.6	
78	A ferroptosis-inducing iridium(III) complex. <i>Science China Chemistry</i> , 2020 , 63, 65-72	7.9	8
77	Molecular computing for Markov chains. <i>Natural Computing</i> , 2020 , 19, 593-608	1.3	2
76	Epileptic brain fluorescent imaging reveals apigenin can relieve the myeloperoxidase-mediated oxidative stress and inhibit ferroptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 10155-10164	11.5	31
75	An excellent example illustrating the fluorescence sensing property of cobalt-organic frameworks. <i>Dalton Transactions</i> , 2019 , 48, 2285-2289	4.3	14
74	Ligand-Promoted RhIII-Catalyzed Thiolation of Benzamides with a Broad Disulfide Scope. <i>Angewandte Chemie</i> , 2019 , 131, 9197-9201	3.6	6
73	Ligand-Promoted Rh -Catalyzed Thiolation of Benzamides with a Broad Disulfide Scope. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 9099-9103	16.4	40
72	Synthesis of Benzofurans and Benzoxazoles through a [3,3]-Sigmatropic Rearrangement: ONHAc as a Multitasking Functional Group. <i>Organic Process Research and Development</i> , 2019 , 23, 1646-1653	3.9	11
71	Facet-dependent photocatalytic hydrogen production of metal-organic framework NH-MIL-125(Ti). <i>Chemical Science</i> , 2019 , 10, 4834-4838	9.4	77
70	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	3.9	1
69	Imaging and proteomic study of a clickable iridium complex. <i>Metallomics</i> , 2019 , 11, 1344-1352	4.5	6
68	An internal oxidant-directing strategy enabling transition metal-free C8 bond ligation. <i>Tetrahedron</i> , 2019 , 75, 4174-4179	2.4	3
67	Cobalt(III)-Catalyzed Intermolecular Carboamination of Propiolates and Bicyclic Alkenes via Non-Annulative Redox-Neutral Coupling. <i>Organic Letters</i> , 2019 , 21, 5884-5888	6.2	21
66	Research Advances in C8 Bond Activation of Multitasking N-Phenoxyamides. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2019 , 35, 989-1004	3.8	17

65	Metal-free directed sp-C-H borylation. <i>Nature</i> , 2019 , 575, 336-340	50.4	93
64	Rh(III)-Catalyzed meta-C-H Alkenylation with Alkynes. <i>Journal of the American Chemical Society</i> , 2019 , 141, 76-79	16.4	66
63	A Uniform Molecular Low-Density Parity Check Decoder. <i>ACS Synthetic Biology</i> , 2019 , 8, 82-90	5.7	2
62	A surface-display biohybrid approach to light-driven hydrogen production in air. <i>Science Advances</i> , 2018 , 4, eaap9253	14.3	77
61	Bioactive ruthenium(II)-arene complexes containing modified 18Eglycyrrhetic acid ligands. <i>Journal of Inorganic Biochemistry</i> , 2018 , 182, 194-199	4.2	10
60	Enantioselective Hydroamidation of Enals by Trapping of a Transient Acyl Species. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8503-8507	16.4	14
59	Preparation and Properties of Janus Heparin-Loaded Ammoniated-Hollow Mesoporous Silica Nanomotors. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 9680-9687	3.8	11
58	Imaging of a clickable anticancer iridium catalyst. <i>Journal of Inorganic Biochemistry</i> , 2018 , 180, 179-185	4.2	18
57	Molecular Synthesis for Probability Theory and Stochastic Process. <i>Journal of Signal Processing Systems</i> , 2018 , 90, 1479-1494	1.4	1
56	Free-standing and flexible polypyrrole nanotube/reduced graphene oxide hybrid film with promising thermoelectric performance. <i>Materials Chemistry and Physics</i> , 2018 , 212, 440-445	4.4	28
55	A reaction-based near-infrared fluorescent probe that can visualize endogenous selenocysteine in vivo in tumor-bearing mice. <i>Analyst, The</i> , 2018 , 143, 4860-4869	5	11
54	Design and biological evaluation of novel hybrids of 1, 5-diarylpyrazole and Chrysin for selective COX-2 inhibition. <i>Bioorganic and Medicinal Chemistry</i> , 2018 , 26, 4264-4275	3.4	23
53	Stereoselective Synthesis of Fully-Substituted Acrylonitriles via Formal Acylcyanation of Electron-Rich Alkynes. <i>Organic Letters</i> , 2018 , 20, 3465-3468	6.2	13
52	Engineering highly sensitive whole-cell mercury biosensors based on positive feedback loops from quorum-sensing systems. <i>Analyst, The</i> , 2018 , 143, 630-634	5	26
51	Integration of a Gold-Specific Whole Cell Sensing and Adsorption Based on BioBrick. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	6
50	Titelbild: Enantioselective Hydroamidation of Enals by Trapping of a Transient Acyl Species (Angew. Chem. 28/2018). <i>Angewandte Chemie</i> , 2018 , 130, 8465-8465	3.6	
49	A selenium-catalysed para-amination of phenols. <i>Nature Communications</i> , 2018 , 9, 4293	17.4	33
48	Enantioselective Hydroamidation of Enals by Trapping of a Transient Acyl Species. <i>Angewandte Chemie</i> , 2018 , 130, 8639-8643	3.6	6

47	Revealing the immune perturbation of black phosphorus nanomaterials to macrophages by understanding the protein corona. <i>Nature Communications</i> , 2018 , 9, 2480	17.4	97
46	A redox-neutral catechol synthesis. <i>Nature Communications</i> , 2017 , 8, 14227	17.4	57
45	Three-dimensional polypyrrole-derived carbon nanotube framework for dye adsorption and electrochemical supercapacitor. <i>Applied Surface Science</i> , 2017 , 414, 218-223	6.7	54
44	A bioinspired and biocompatible ortho-sulfiliminy phenol synthesis. <i>Nature Communications</i> , 2017 , 8, 15912	17.4	28
43	Selective Catalytic B-H Arylation of o-Carboranyl Aldehydes by a Transient Directing Strategy. <i>Journal of the American Chemical Society</i> , 2017 , 139, 14511-14517	16.4	125
42	Unified synthesis of mono/bis-arylated phenols Rh-catalyzed dehydrogenative coupling. <i>Chemical Science</i> , 2017 , 8, 169-173	9.4	42
41	Rh(III)-Catalyzed ortho-C-H alkynylation of N-phenoxyacetamides with hypervalent iodine-alkyne reagents at room temperature. <i>Organic and Biomolecular Chemistry</i> , 2017 , 16, 43-47	3.9	24
40	A highly selective and sensitive near-infrared fluorescent probe for imaging of hydrogen sulphide in living cells and mice. <i>Scientific Reports</i> , 2016 , 6, 18868	4.9	47
39	Transition-Metal Doped Ceria Microspheres with Nanoporous Structures for CO Oxidation. <i>Scientific Reports</i> , 2016 , 6, 23900	4.9	61
38	Amino acid mediated mesopore formation in LTA zeolites. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 23053-231326	3.3	26
37	Porous polymers bearing functional quaternary ammonium salts as efficient solid catalysts for the fixation of CO ₂ into cyclic carbonates. <i>Nanoscale Research Letters</i> , 2016 , 11, 321	5	11
36	Selective detection of endogenous H ₂ S in living cells and the mouse hippocampus using a ratiometric fluorescent probe. <i>Scientific Reports</i> , 2014 , 4, 5870	4.9	49
35	A G-quadruplex DNA-based, label-free and ultrasensitive strategy for microRNA detection. <i>Scientific Reports</i> , 2014 , 4, 7400	4.9	13
34	Monodisperse, nanoporous ceria microspheres embedded with Pt nanoparticles: general facile synthesis and catalytic application. <i>RSC Advances</i> , 2014 , 4, 42965-42970	3.7	7
33	Rhodium(III)-catalyzed C-H activation/[4+3] annulation of N-phenoxyacetamides and α -unsaturated aldehydes: an efficient route to 1,2-oxazepines at room temperature. <i>Chemical Communications</i> , 2014 , 50, 12135-8	5.8	62
32	Biocompatible click chemistry enabled compartment-specific pH measurement inside E. coli. <i>Nature Communications</i> , 2014 , 5, 4981	17.4	73
31	Simple whole-cell biodetection and bioremediation of heavy metals based on an engineered lead-specific operon. <i>Environmental Science & Technology</i> , 2014 , 48, 3363-71	10.3	86
30	Palladium-catalyzed benzo[d]isoxazole synthesis by C-H activation/[4 + 1] annulation. <i>Chemical Science</i> , 2014 , 5, 1574-1578	9.4	54

29	A multitasking functional group leads to structural diversity using designer C-H activation reaction cascades. <i>Nature Communications</i> , 2014 , 5, 4610	17.4	67
28	Synthesis, molecular docking and biological evaluation of coumarin derivatives containing piperazine skeleton as potential antibacterial agents. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 5727-5737	3.4	19
27	Na ₂ HPO ₄ -modified NaY nanocrystallites: efficient catalyst for acrylic acid production through lactic acid dehydration. <i>Catalysis Science and Technology</i> , 2014 , 4, 1376-1385	5.5	34
26	A label-free G-quadruplex DNA-based fluorescence method for highly sensitive, direct detection of cisplatin. <i>Sensors and Actuators B: Chemical</i> , 2014 , 202, 714-720	8.5	23
25	A novel signal transduction pathway that modulates rhl quorum sensing and bacterial virulence in <i>Pseudomonas aeruginosa</i> . <i>PLoS Pathogens</i> , 2014 , 10, e1004340	7.6	32
24	Direct Access to Isoindolinone Derivatives by Palladium-Catalyzed C-H Activation and Isocyanide Insertion by Using Molecular Oxygen as the Sole Oxidant. <i>Synthesis</i> , 2014 , 46, 2045-2050	2.9	8
23	Activation of C-H bonds in nitrones leads to iridium hydrides with antitumor activity. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 6531-5	8.3	23
22	Highly Active and Stable Lanthanum-doped Core-shell-structured Ni@SiO ₂ Catalysts for the Partial Oxidation of Methane to Syngas. <i>ChemCatChem</i> , 2013 , 5, 3781-3787	5.2	23
21	Cross coupling of thioethers with aryl boroxines to construct biaryls via Rh catalyzed C-S activation. <i>Chemical Science</i> , 2013 , 4, 1573	9.4	67
20	Indazolin-s-ylidene-Heterocyclic Carbene Complexes of Rhodium, Palladium, and Gold: Synthesis, Characterization, and Catalytic Hydration of Alkynes. <i>Organometallics</i> , 2013 , 32, 3753-3759	3.8	32
19	Synthesis of N-aryl-d-glucosamines through copper-catalyzed C-N coupling. <i>Tetrahedron Letters</i> , 2012 , 53, 7093-7096	2	11
18	Engineering a gold-specific regulon for cell-based visual detection and recovery of gold. <i>Chemical Science</i> , 2012 , 3, 1780	9.4	28
17	Inclusion of methylviologen in symmetrical 1,1'-tetramethyl-cucurbit[6]uril. <i>RSC Advances</i> , 2012 , 2, 7754	3.7	14
16	Synthesis and in vitro antibacterial activity of gemifloxacin derivatives containing a substituted benzyloxime moiety. <i>European Journal of Medicinal Chemistry</i> , 2012 , 55, 125-36	6.8	40
15	General palladium-catalyzed aerobic dehydrogenation to generate double bonds. <i>Chemical Science</i> , 2012 , 3, 883-886	9.4	140
14	A fluorescent probe for rapid detection of hydrogen sulfide in blood plasma and brain tissues in mice. <i>Chemical Science</i> , 2012 , 3, 2920	9.4	164
13	A new strategy for a DNA assay based on a target-triggered isothermal exponential degradation reaction. <i>Chemical Communications</i> , 2011 , 47, 5262-4	5.8	34
12	Synthesis of Isoquinolines via Rhodium(III)-Catalyzed Dehydrative C-C and C-N Coupling between Oximines and Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2011 , 353, 719-723	5.6	216

11	Study of Hemoglobin and Human Serum Albumin Glycation with Electrochemical Techniques. <i>Electroanalysis</i> , 2011 , 23, 463-468	3	15
10	Electrochemical probing into cytochrome c modification with homocysteine-thiolactone. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 695-701	4.4	6
9	Synthesis of Trisubstituted Pyrroles from Rhodium-Catalyzed Alkyne Head-to-Tail Dimerization and Subsequent Gold-Catalyzed Cyclization. <i>Advanced Synthesis and Catalysis</i> , 2009 , 351, 1371-1377	5.6	67
8	Methyleneimidazoline complexes of iridium, rhodium, and palladium from selective C(sp ³)-H bond activation. <i>Chemistry - A European Journal</i> , 2009 , 15, 5535-44	4.8	33
7	Meta-selektive Übergangsmetallkatalysierte C-H-Bindungs-funktionalisierung in Arenen. <i>Angewandte Chemie</i> , 2009 , 121, 7262-7264	3.6	11
6	Meta-selective transition-metal catalyzed arene C-H bond functionalization. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 7126-8	16.4	33
5	Self-assembled multilayer of gold nanoparticles for amplified electrochemical detection of cytochrome c. <i>Analyst, The</i> , 2008 , 133, 1242-5	5	37
4	Electrochemistry of Mitochondria: A New Way to Understand Their Structure and Function. <i>Electroanalysis</i> , 2008 , 20, 1593-1598	3	12
3	Spectroscopic insights into lead(II) coordination by the selective lead(II)-binding protein PbrR691. <i>Journal of the American Chemical Society</i> , 2007 , 129, 12350-1	16.4	34
2	The syntheses, crystal structure and magnetic behavior of μ -imidazolato-dicopper(II) complexes with the dinucleating hexaazamacrocycles. <i>Transition Metal Chemistry</i> , 1999 , 24, 131-134	2.1	14
1	Cysteine-Specific Bioconjugation and Stapling of Unprotected Peptides by Chlorooximes. <i>CCS Chemistry</i> , 1-9	7.2	0