Qiang Zhang

List of Publications by Year
in descending order

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65 papers	6,289 citations	186265 28 h-index	110387 64 g-index
68 all docs	68 docs citations	68 times ranked	8930 citing authors

#	Article	IF	Citations
1	Tuning the structure and function of metalâ€“organic frameworks via linker design. Chemical Society Reviews, 2014, 43, 5561-5593.	38.1	1,792
2	Unstacked double-layer templated graphene for high-rate lithiumâ€“sulphur batteries. Nature Communications, 2014, 5, 3410.	12.8	602
3	Hierarchical Freeâ€Standing Carbonâ€Nanotube Paper Electrodes with Ultrahigh Sulfurâ€Loading for Lithiumâ€“Sulfur Batteries. Advanced Functional Materials, 2014, 24, 6105-6112.	14.9	476
4	Sequential Linker Installation: Precise Placement of Functional Groups in Multivariate Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2015, 137, 3177-3180.	13.7	323
5	Janus Separator of Polypropyleneâ€Supported Cellular Graphene Framework for Sulfur Cathodes with High Utilization in Lithiumâ€“Sulfur Batteries. Advanced Science, 2016, 3, 1500268.	11.2	294
6	Linker Installation: Engineering Pore Environment with Precisely Placed Functionalities in Zirconium MOFs. Journal of the American Chemical Society, 2016, 138, 8912-8919.	13.7	278
7	A single crystalline porphyrinic titanium metalâ€“organic framework. Chemical Science, 2015, 6, 3926-3930.	7.4	236
8	Thermodynamically Guided Synthesis of Mixed-Linker Zr-MOFs with Enhanced Tunability. Journal of the American Chemical Society, 2016, 138, 6636-6642.	13.7	232
9	Piezofluorochromic Metalâ€“Organic Framework: A Microscissor Lift. Journal of the American Chemical Society, 2015, 137, 10064-10067.	13.7	218
10	Flexible Zirconium Metalâ€Organic Frameworks as Bioinspired Switchable Catalysts. Angewandte Chemie - International Edition, 2016, 55, 10776-10780.	13.8	179
11	Cooperative Cluster Metalation and Ligand Migration in Zirconium Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2015, 54, 14696-14700.	13.8	169
12	Tetrarhena-heterocycle from the Palladium-Catalyzed Dimerization of Re₂(CO)₈(Î¼-SbPh₂)(Î¼-H) Exhibits an Unusual Hostâ€“Guest Behavior. Journal of the American Chemical Society, 2011, 133, 12994-12997.	13.7	144
13	Nanovoid Incorporated Ir_xCu Metallic Aerogels for Oxygen Evolution Reaction Catalysis. ACS Energy Letters, 2018, 3, 2038-2044.	17.4	129
14	A Reversible Crystallinity-Preserving Phase Transition in Metalâ€“Organic Frameworks: Discovery, Mechanistic Studies, and Potential Applications. Journal of the American Chemical Society, 2015, 137, 7740-7746.	13.7	113
15	Derivation and Decoration of Nets with Trigonal-Prismatic Nodes: A Unique Route to Reticular Synthesis of Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2016, 138, 5299-5307.	13.7	84
16	Flexible Zirconium Metalâ€Organic Frameworks as Bioinspired Switchable Catalysts. Angewandte Chemie, 2016, 128, 10934-10938.	2.0	53
17	Zr-Based MOFs for oxidative desulfurization: what matters?. Green Chemistry, 2020, 22, 6351-6356.	9.0	52
18	Atomically Isolated Iron Atom Anchored on Carbon Nanotubes for Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2019, 11, 39820-39826.	8.0	49

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19	Hierarchically porous UiO-66: facile synthesis, characterization and application. Chemical Communications, 2018, 54, 11817-11820.	4.1	47
20	Improving the performance of metal-organic frameworks for thermo-catalytic CO2 conversion: Strategies and perspectives. Chinese Journal of Catalysis, 2021, 42, 1903-1920.	14.0	45
21	Interconnected Fe, S, N-Codoped Hollow and Porous Carbon Nanorods as Efficient Electrocatalysts for the Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2017, 9, 40298-40306.	8.0	44
22	Efficient oxidative desulfurization using a mesoporous Zr-based MOF. Catalysis Today, 2020, 350, 64-70.	4.4	44
23	Recent Advances in Green Synthesis of Functionalized Phenols from Aromatic Boronic Compounds. European Journal of Organic Chemistry, 2019, 2019, 7307-7321.	2.4	37
24	Metalâ€“organic polyhedra constructed from dinuclear ruthenium paddlewheels. Inorganica Chimica Acta, 2015, 424, 216-220.	2.4	34
25	Atomically dispersed palladium catalyses Suzukiâ€“Miyaura reactions under phosphine-free conditions. Communications Chemistry, 2020, 3, .	4.5	34
26	Metalâ€“Organic Frameworks Towards Desulfurization of Fuels. Topics in Current Chemistry, 2020, 378, 17.	5.8	33
27	Formation and Optical Properties of Compression-Induced Nanoscale Buckles on Silver Nanowires. ACS Nano, 2009, 3, 1795-1802.	14.6	32
28	Rigid Ladder-Type Porous Polymer Networks for Entropically Favorable Gas Adsorption. , 2020, 2, 49-54.		30
29	Molten NaCl-induced MOF-derived carbon-polyhedron decorated carbon-nanosheet with high defects and high N-doping for boosting the removal of carbamazepine from water. Environmental Science: Nano, 2020, 7, 1205-1213.	4.3	29
30	MOFâ€Enabled Ionâ€Regulating Gel Electrolyte for Longâ€Cycling Lithium Metal Batteries Under High Voltage. Small, 2022, 18, e2106225.	10.0	26
31	Assembling Carbon Pores into Carbon Sheets: Rational Design of Three-Dimensional Carbon Networks for a Lithiumâ€“Sulfur Battery. ACS Applied Materials & Interfaces, 2019, 11, 5911-5918.	8.0	24
32	Cost-effective synthesis and solution processing of porous polymer networks through methanesulfonic acid-mediated aldol triple condensation. Materials Chemistry Frontiers, 2018, 2, 396-401.	5.9	23
33	Transformations of Triphenylgermyl Ligands in Iridiumâ^'Ruthenium Carbonyl Cluster Complexes. Organometallics, 2011, 30, 328-333.	2.3	18
34	Osmiumâ€“Germanium and Osmiumâ€“Germaniumâ€“Gold Carbonyl Cluster Complexes: Syntheses, Structures, Bonding, and Reactivity. Organometallics, 2012, 31, 8639-8646.	2.3	18
35	Unsaturated Triosmium Carbonyl Cluster Complexes with Bridging Aryl Ligands: Structures, Bonding, and Transformations. Organometallics, 2013, 32, 6368-6378.	2.3	18
36	Adsorptive removal of p-nitrophenol from water with mechano-synthesized porous organic polymers. New Journal of Chemistry, 2018, 42, 20205-20211.	2.8	18

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37	A MnO_x enhanced atomically dispersed ironâ€“nitrogenâ€“carbon catalyst for the oxygen reduction reaction. Journal of Materials Chemistry A, 2022, 10, 5981-5989.	10.3	18
38	Synthesis and Characterizations of Bismuth-Bridged Triiridium Carbonyl Complexes Containing Germyl/Germylene and Stannyl/Stannylene Ligands. Organometallics, 2012, 31, 7264-7271.	2.3	17
39	Molecular Association-Induced Emission Shifts for E/Z Isomers and Selective Sensing of Nitroaromatic Explosives. Crystal Growth and Design, 2018, 18, 6197-6203.	3.0	17
40	Two-Dimensional Bimetallic Carbonyl Cluster Complexes with New Properties and Reactivities. Journal of the American Chemical Society, 2011, 133, 15950-15953.	13.7	16
41	Solvent-Free and Phase-Selective Synthesis of Aluminum Trimesate Metalâ€“Organic Frameworks. Inorganic Chemistry, 2021, 60, 4623-4632.	4.0	16
42	A Strategic High Yield Synthesis of 2,5-Dihydroxy-1,4-benzoquinone Based MOFs. Inorganic Chemistry, 2019, 58, 10756-10760.	4.0	15
43	Evolution of 14-Connected Zr₆ Secondary Building Units through Postsynthetic Linker Incorporation. ACS Applied Materials & Interfaces, 2021, 13, 51945-51953.	8.0	15
44	Î±-Cleavage of Phenyl Groups from GePh₃Ligands in Iridium Carbonyl Cluster Complexes. A Mechanism and Its Role in the Synthesis of Bridging Germylene Ligands. Organometallics, 2012, 31, 2621-2630.	2.3	14
45	Tetraruthenium carbonyl complexes containing germyl and stannyl ligands from the reactions of Ru4(CO)13(Î¼-H)2 with HGePh3 and HSnPh3. Journal of Organometallic Chemistry, 2013, 730, 20-31.	1.8	14
46	Semibridging Phenyl Ligands in Iridiumâ€“Copper and Iridiumâ€“Silver Cluster Compounds: Synthesis, Structures, and Bonding. Organometallics, 2013, 32, 2416-2426.	2.3	13
47	A New Method for Introducing Tin Ligands into Tetrairidium Dodecacarbonyl. Organometallics, 2011, 30, 661-664.	2.3	12
48	Synthesis and Transformations of Triosmium Carbonyl Cluster Complexes Containing Bridging Aryl Ligands. Organometallics, 2012, 31, 2961-2964.	2.3	11
49	Balancing Noncovalent Interactions in the Self-Assembly of Nonplanar Aromatic Carboxylic Acid MOF Linkers at the Solution/Solid Interface: HOPG vs Au(111). Langmuir, 2019, 35, 5271-5280.	3.5	11
50	Two Cd-Based Luminescent Coordination Polymers Constructed from a Truncated Linker. Inorganic Chemistry, 2021, 60, 2503-2513.	4.0	11
51	Dynamic Rotation of Bridging Aryl Ligands in Unsaturated Metal Carbonyl Cluster Complexes. Organometallics, 2013, 32, 1587-1590.	2.3	10
52	Facile cleavage of phenyl groups from BiPh3 in its reactions with Os3(CO)10(NCMe)2 and evidence for localization of Ï€-bonding in a bridging benzyne ligand. Journal of Organometallic Chemistry, 2014, 751, 475-481.	1.8	10
53	Microwave-Assisted Synthesis of Zirconium Phosphate Nanoplatelet-Supported Ru-Anadem Nanostructures and Their Catalytic Study for the Hydrogenation of Acetophenone. ACS Applied Materials & Interfaces, 2020, 12, 30670-30679.	8.0	10
54	Studies of the Structures and Bonding of Gold-Bridged Dirhenium Carbonyl Cluster Complexes. Organometallics, 2013, 32, 7540-7546.	2.3	9

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55	Iridiumâ€“Rutheniumâ€“gold cluster complexes: Structures, and skeletal Rearrangements. Journal of Organometallic Chemistry, 2012, 706-707, 20-25.	1.8	6
56	The reactions of Ir(CO)Cl(PPh3)2 with HSnPh3. Journal of Organometallic Chemistry, 2011, 696, 2904-2909.	1.8	5
57	A facile method to introduce iron secondary metal centers into metalâ€“organic frameworks. Journal of Organometallic Chemistry, 2019, 897, 114-119.	1.8	5
58	Synthesis of an N, N-diethyl-tert-butylazothioformamide ligand and coordination studies with Copper(I) salts. Inorganic Chemistry Communication, 2021, 124, 108393.	3.9	5
59	Iridiumâ€“Ruthenium Cluster Complexes with SnPh3 Ligands from the Reaction of IrRu3(CO)13(Î¼-H) with HSnPh3. Journal of Cluster Science, 2010, 21, 371-378.	3.3	4
60	Bonding and Reactivity in the Electronically Unsaturated Hydrogen-Bridged Dimer [Ru₃(CO)₈(Î¼₃-CMe)(Î¼-H)₂(Î¼₃-H)]₂. Organometallics, 2012, 31, 50-53.	2.3	4
61	Selective hydroxylation of aryl iodides to produce phenols under mild conditions using a supported copper catalyst. RSC Advances, 2021, 11, 25348-25353.	3.6	4
62	Metalâ€“Organic Frameworks Towards Desulfurization of Fuels. Topics in Current Chemistry Collections, 2020, , 175-202.	0.5	4
63	Structures and Bonding of Î·2-Bridging CO Ligands and Their Influence on the Structures and Rearrangements of Higher Nuclearity Metal Carbonyl Cluster Complexes. Organometallics, 2013, 32, 5171-5179.	2.3	3
64	Synthesis, structure and bonding of a digold complex with bridging triphenylstannyl ligands. Journal of Organometallic Chemistry, 2015, 795, 40-44.	1.8	3
65	Transition Metal Complexes for Hydrogen Activation. , 2017, , 43-84.		3