

# Qi-Long Zhu

## List of Publications by Year in descending order

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130  
papers

13,984  
citations

31902

53  
h-index

20307

116  
g-index

136  
all docs

136  
docs citations

136  
times ranked

13217  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-organic framework composites. <i>Chemical Society Reviews</i> , 2014, 43, 5468-5512.	18.7	1,901
2	Nanomaterials derived from metal-organic frameworks. <i>Nature Reviews Materials</i> , 2018, 3, .	23.3	962
3	Metal-Organic Frameworks for Energy Applications. <i>CheM</i> , 2017, 2, 52-80.	5.8	941
4	Liquid organic and inorganic chemical hydrides for high-capacity hydrogen storage. <i>Energy and Environmental Science</i> , 2015, 8, 478-512.	15.6	673
5	Immobilizing Metal Nanoparticles to Metal-Organic Frameworks with Size and Location Control for Optimizing Catalytic Performance. <i>Journal of the American Chemical Society</i> , 2013, 135, 10210-10213.	6.6	661
6	Metal-Organic Framework-Derived Honeycomb-Like Open Porous Nanostructures as Precious-Metal-Free Catalysts for Highly Efficient Oxygen Electroreduction. <i>Advanced Materials</i> , 2016, 28, 6391-6398.	11.1	414
7	Dehydrogenation of Ammonia Borane by Metal Nanoparticle Catalysts. <i>ACS Catalysis</i> , 2016, 6, 6892-6905.	5.5	406
8	Immobilization of Ultrafine Metal Nanoparticles to High-Surface-Area Materials and Their Catalytic Applications. <i>CheM</i> , 2016, 1, 220-245.	5.8	381
9	Atomically Dispersed Fe/N-Doped Hierarchical Carbon Architectures Derived from a Metal-Organic Framework Composite for Extremely Efficient Electrocatalysis. <i>ACS Energy Letters</i> , 2017, 2, 504-511.	8.8	279
10	Metal-Organic Layers Leading to Atomically Thin Bismuthene for Efficient Carbon Dioxide Electroreduction to Liquid Fuel. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15014-15020.	7.2	276
11	Semisacrificial Template Growth of Self-Supporting MOF Nanocomposite Electrode for Efficient Electrocatalytic Water Oxidation. <i>Advanced Functional Materials</i> , 2019, 29, 1807418.	7.8	224
12	Sodium hydroxide-assisted growth of uniform Pd nanoparticles on nanoporous carbon MSC-30 for efficient and complete dehydrogenation of formic acid under ambient conditions. <i>Chemical Science</i> , 2014, 5, 195-199.	3.7	219
13	Introduction of Red-Green-Blue Fluorescent Dyes into a Metal-Organic Framework for Tunable White Light Emission. <i>Advanced Materials</i> , 2017, 29, 1700778.	11.1	219
14	Immobilizing Extremely Catalytically Active Palladium Nanoparticles to Carbon Nanospheres: A Weakly-Capping Growth Approach. <i>Journal of the American Chemical Society</i> , 2015, 137, 11743-11748.	6.6	215
15	Immobilizing Highly Catalytically Active Noble Metal Nanoparticles on Reduced Graphene Oxide: A Non-Noble Metal Sacrificial Approach. <i>Journal of the American Chemical Society</i> , 2015, 137, 106-109.	6.6	213
16	Ordered Macroporous Superstructure of Nitrogen-Doped Nanoporous Carbon Implanted with Ultrafine Ru Nanoclusters for Efficient pH-Universal Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2021, 33, e2006965.	11.1	213
17	Toward a molecular design of porous carbon materials. <i>Materials Today</i> , 2017, 20, 592-610.	8.3	202
18	Rational design of infrared nonlinear optical chalcogenides by chemical substitution. <i>Coordination Chemistry Reviews</i> , 2020, 406, 213150.	9.5	194

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19	Non-noble bimetallic CuCo nanoparticles encapsulated in the pores of metal-organic frameworks: synergetic catalysis in the hydrolysis of ammonia borane for hydrogen generation. <i>Catalysis Science and Technology</i> , 2015, 5, 525-530.	2.1	179
20	MOF-based materials for photo- and electrocatalytic CO <sub>2</sub> reduction. <i>EnergyChem</i> , 2020, 2, 100033.	10.1	177
21	Pore surface engineering of metal-organic frameworks for heterogeneous catalysis. <i>Coordination Chemistry Reviews</i> , 2018, 376, 248-276.	9.5	174
22	Diamine-Alkalized Reduced Graphene Oxide: Immobilization of Sub-2 nm Palladium Nanoparticles and Optimization of Catalytic Activity for Dehydrogenation of Formic Acid. <i>ACS Catalysis</i> , 2015, 5, 5141-5144.	5.5	166
23	Quasi-MOF: Exposing Inorganic Nodes to Guest Metal Nanoparticles for Drastically Enhanced Catalytic Activity. <i>CheM</i> , 2018, 4, 845-856.	5.8	165
24	Metal-organic framework-derived mesoporous carbon nanoframes embedded with atomically dispersed Fe-N active sites for efficient bifunctional oxygen and carbon dioxide electroreduction. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118720.	10.8	151
25	Divergent Paths, Same Goal: A Pair of Electrosynthesis Tactic for Cost-Efficient and Exclusive Formate Production by Metal-Organic Framework-Derived 2D Electrocatalysts. <i>Advanced Materials</i> , 2021, 33, e2008631.	11.1	128
26	Redox-Responsive Photochromism and Fluorescence Modulation of Two 3D Metal-Organic Hybrids Derived from a Triamine-Based Polycarboxylate Ligand. <i>Chemistry - A European Journal</i> , 2011, 17, 3358-3362.	1.7	119
27	Engineering a conductive network of atomically thin bismuthene with rich defects enables CO <sub>2</sub> reduction to formate with industry-compatible current densities and stability. <i>Energy and Environmental Science</i> , 2021, 14, 4998-5008.	15.6	119
28	Fluorine-tuned single-atom catalysts with dense surface Ni-N <sub>4</sub> sites on ultrathin carbon nanosheets for efficient CO <sub>2</sub> electroreduction. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119591.	10.8	116
29	Highly active AuCo alloy nanoparticles encapsulated in the pores of metal-organic frameworks for hydrolytic dehydrogenation of ammonia borane. <i>Chemical Communications</i> , 2014, 50, 5899.	2.2	115
30	MOF-based atomically dispersed metal catalysts: Recent progress towards novel atomic configurations and electrocatalytic applications. <i>Coordination Chemistry Reviews</i> , 2020, 422, 213483.	9.5	105
31	Metal-Organic Framework Templated Porous Carbon-Metal Oxide/Reduced Graphene Oxide as Superior Support of Bimetallic Nanoparticles for Efficient Hydrogen Generation from Formic Acid. <i>Advanced Energy Materials</i> , 2018, 8, 1701416.	10.2	99
32	Bright blue emissions with temperature-dependent quantum yields from microporous metal-organic frameworks. <i>Chemical Communications</i> , 2012, 48, 531-533.	2.2	95
33	Bifunctional single-molecular heterojunction enables completely selective CO <sub>2</sub> -to-CO conversion integrated with oxidative 3D nano-polymerization. <i>Energy and Environmental Science</i> , 2021, 14, 1544-1552.	15.6	95
34	Formation of Zn(II) and Cd(II) Coordination Polymers Assembled by Triazine-Based Polycarboxylate and <i>in-Situ</i> -Generated Pyridine-4-thiolate or Dipyridylsulfide Ligands: Observation of an Unusual Luminescence Thermochromism. <i>Inorganic Chemistry</i> , 2011, 50, 7618-7624.	1.9	94
35	HgCuPS <sub>4</sub> : An Exceptional Infrared Nonlinear Optical Material with Defect Diamond-like Structure. <i>Chemistry of Materials</i> , 2020, 32, 4331-4339.	3.2	93
36	Novel Structures and Luminescence Properties of Lanthanide Coordination Polymers with a Novel Flexible Polycarboxylate Ligand. <i>Crystal Growth and Design</i> , 2009, 9, 5128-5134.	1.4	88

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37	Partial Isovalent Anion Substitution to Access Remarkable Second-Harmonic Generation Response: A Generic and Effective Strategy for Design of Infrared Nonlinear Optical Materials. <i>Chemistry of Materials</i> , 2020, 32, 5890-5896.	3.2	84
38	Controlled Synthesis of Ultrafine Surfactant-Free NiPt Nanocatalysts toward Efficient and Complete Hydrogen Generation from Hydrazine Borane at Room Temperature. <i>ACS Catalysis</i> , 2014, 4, 4261-4268.	5.5	83
39	Surfactant-free Pd nanoparticles immobilized to a metal-organic framework with size- and location-dependent catalytic selectivity. <i>Chemical Communications</i> , 2015, 51, 2577-2580.	2.2	83
40	Fabrication of nitrogen and sulfur co-doped hollow cellular carbon nanocapsules as efficient electrode materials for energy storage. <i>Energy Storage Materials</i> , 2018, 13, 72-79.	9.5	83
41	Salt-Inclusion Chalcogenide $[Ba_4Cl_2][ZnGa_4S_{10}]$ : Rational Design of an IR Nonlinear Optical Material with Superior Comprehensive Performance Derived from $AgGaS_2$ . <i>Chemistry of Materials</i> , 2020, 32, 8012-8019.	3.2	83
42	From Ru nanoparticle-encapsulated metal-organic frameworks to highly catalytically active Cu/Ru nanoparticle-embedded porous carbon. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4835-4841.	5.2	80
43	Recent Progress in Asymmetric Catalysis and Chromatographic Separation by Chiral Metal-Organic Frameworks. <i>Catalysts</i> , 2018, 8, 120.	1.6	77
44	Inlaying Ultrathin Bimetallic MOF Nanosheets into 3D Ordered Macroporous Hydroxide for Superior Electrocatalytic Oxygen Evolution. <i>Small</i> , 2019, 15, e1902218.	5.2	77
45	Remarkable electrocatalytic CO <sub>2</sub> reduction with ultrahigh CO/H <sub>2</sub> ratio over single-molecularly immobilized pyrrolidinonyl nickel phthalocyanine. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118530.	10.8	77
46	Efficient Carbon Dioxide Electroreduction over Ultrathin Covalent Organic Framework Nanolayers with Isolated Cobalt Porphyrin Units. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 37986-37992.	4.0	72
47	Centric-to-acentric structure transformation induced by a stereochemically active lone pair: a new insight for design of IR nonlinear optical materials. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4638-4643.	2.7	67
48	Monodispersed PtNi nanoparticles deposited on diamine-alkalized graphene for highly efficient dehydrogenation of hydrous hydrazine at room temperature. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23090-23094.	5.2	66
49	Pd nanoparticles supported on hierarchically porous carbons derived from assembled nanoparticles of a zeolitic imidazolate framework (ZIF-8) for methanol electrooxidation. <i>Chemical Communications</i> , 2015, 51, 10827-10830.	2.2	62
50	$Sn_2Ga_2S_5$ : A Polar Semiconductor with Exceptional Infrared Nonlinear Optical Properties Originating from the Combined Effect of Mixed Asymmetric Building Motifs. <i>Chemistry of Materials</i> , 2019, 31, 6268-6275.	3.2	61
51	Atomically Structural Regulations of Carbon-Based Single-Atom Catalysts for Electrochemical CO <sub>2</sub> Reduction. <i>Small Methods</i> , 2021, 5, e2100102.	4.6	61
52	A solvent-switched <i>in situ</i> confinement approach for immobilizing highly-active ultrafine palladium nanoparticles: boosting catalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5544-5549.	5.2	58
53	Two luminescent enantiomorphic 3D metal-organic frameworks with 3D homochiral double helices. <i>Chemical Communications</i> , 2010, 46, 9001.	2.2	57
54	Metal-Organic Layers Leading to Atomically Thin Bismuthene for Efficient Carbon Dioxide Electroreduction to Liquid Fuel. <i>Angewandte Chemie</i> , 2020, 132, 15124-15130.	1.6	57

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55	Porphyrin framework-derived N-doped porous carbon-confined Ru for $\text{NH}_3\text{BH}_3$ methanolysis: the more pyridinic-N, the better. <i>Journal of Materials Chemistry A</i> , 2021, 10, 326-336.	5.2	53
56	$\text{Sr}_5\text{ZnGa}_6\text{S}_{15}$ : a new quaternary non-centrosymmetric semiconductor with a 3D framework structure displaying excellent nonlinear optical performance. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1458-1462.	3.0	51
57	Design principles and direct applications of cobalt-based metal-organic frameworks for electrochemical energy storage. <i>Coordination Chemistry Reviews</i> , 2021, 438, 213872.	9.5	51
58	Enhanced Second-Harmonic-Generation Efficiency and Birefringence in Melillite Oxychalcogenides $\text{Sr}_2\text{MGe}_2\text{OS}_6$ (M = Mn, Zn, and Cd). <i>Chemistry of Materials</i> , 2022, 34, 3853-3861.	3.2	51
59	Nano-engineering of Ru-based hierarchical porous nanoreactors for highly efficient pH-universal overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2021, 294, 120230.	10.8	49
60	Recent progress in oxychalcogenides as IR nonlinear optical materials. <i>Dalton Transactions</i> , 2021, 50, 4112-4118.	1.6	49
61	Ordered macroporous superstructure of bifunctional cobalt phosphide with heteroatomic modification for paired hydrogen production and polyethylene terephthalate plastic recycling. <i>Applied Catalysis B: Environmental</i> , 2022, 316, 121667.	10.8	48
62	Hydrangea-like Superstructured Micro/Nanoreactor of Topotactically Converted Ultrathin Bismuth Nanosheets for Highly Active $\text{CO}_2$ Electroreduction to Formate. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 20589-20597.	4.0	47
63	Reconstruction of Ultrahigh Aspect Ratio Crystalline Bismuth Organic Hybrid Nanobelts for Selective Electro-catalytic $\text{CO}_2$ Reduction to Formate. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	47
64	Syntheses, structural aspects, luminescence and magnetism of four coordination polymers based on a new flexible polycarboxylate. <i>CrystEngComm</i> , 2011, 13, 2096.	1.3	46
65	Effect of Functionalized Groups on Gas Adsorption Properties: Syntheses of Functionalized Microporous Metal Organic Frameworks and Their High Gas Storage Capacity. <i>Chemistry - A European Journal</i> , 2014, 20, 1341-1348.	1.7	46
66	A comprehensive review on metal chalcogenides with three-dimensional frameworks for infrared nonlinear optical applications. <i>Coordination Chemistry Reviews</i> , 2022, 470, 214706.	9.5	46
67	Monodispersed CuCo Nanoparticles Supported on Diamine Functionalized Graphene as a Non-noble Metal Catalyst for Hydrolytic Dehydrogenation of Ammonia Borane. <i>ChemNanoMat</i> , 2016, 2, 942-945.	1.5	44
68	$\text{M}_2\text{As}_2\text{Q}_5$ (M = Ba, Pb; Q = S, Se): a source of infrared nonlinear optical materials with excellent overall performance activated by multiple discrete arsenate anions. <i>Journal of Materials Chemistry C</i> , 2021, 9, 1156-1163.	2.7	44
69	Salt-inclusion chalcogenides: an emerging class of IR nonlinear optical materials. <i>Dalton Transactions</i> , 2020, 49, 14338-14343.	1.6	43
70	Synthesis of Highly Active Sub-nanometer Pt@Rh Core-shell Nanocatalyst via a Photochemical Route: Porous Titania Nanoplates as a Superior Photoactive Support. <i>Small</i> , 2017, 13, 1603879.	5.2	40
71	Coordination tailoring of water-labile 3D MOFs to fabricate ultrathin 2D MOF nanosheets. <i>Nanoscale</i> , 2020, 12, 12767-12772.	2.8	40
72	Ultrathin two-dimensional metallenes for heterogeneous catalysis. <i>Chem Catalysis</i> , 2022, 2, 693-723.	2.9	39

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73	RbBiP <sub>2</sub> S <sub>6</sub> : A Promising IR Nonlinear Optical Material with a Giant Second-Harmonic Generation Response Designed by Aliovalent Substitution. , 2022, 4, 1264-1269.		38
74	Integrated 3D Open Network of Interconnected Bismuthene Arrays for Energy-Efficient and Electrosynthesis-Assisted Electrocatalytic CO <sub>2</sub> Reduction. Small, 2022, 18, e2105246.	5.2	36
75	A series of goblet-like heterometallic pentanuclear [LnIIICuII <sub>4</sub> ] clusters featuring ferromagnetic coupling and single-molecule magnet behavior. Chemical Communications, 2012, 48, 10736.	2.2	35
76	Twofold Interpenetrated 2D MOF Nanosheets Generated by an Instant In Situ Exfoliation Method: Morphology Control and Fluorescent Sensing. Advanced Materials Interfaces, 2020, 7, 2000813.	1.9	33
77	Ligand-assisted capping growth of self-supporting ultrathin FeNi-LDH nanosheet arrays with atomically dispersed chromium atoms for efficient electrocatalytic water oxidation. Nanoscale, 2020, 12, 5817-5823.	2.8	31
78	Distinct anion sensing by a 2D self-assembled Cu(I)-based metal-organic polymer with versatile visual colorimetric responses and efficient selective separations via anion exchange. Journal of Materials Chemistry A, 2013, 1, 2970.	5.2	30
79	Phase Matchability Transformation in the Infrared Nonlinear Optical Materials with Diamond-Like Frameworks. Advanced Optical Materials, 2022, 10, .	3.6	30
80	Ternary Mixed-Metal Cd <sub>4</sub> GeS <sub>6</sub> : Remarkable Nonlinear-Optical Properties Based on a Tetrahedral-Stacking Framework. Inorganic Chemistry, 2018, 57, 8730-8734.	1.9	29
81	Lanthanide coordination polymers assembled from triazine-based flexible polycarboxylate ligands and their luminescent properties. CrystEngComm, 2013, 15, 3560.	1.3	25
82	An unprecedented pentanary chalcogenide with Mn atoms in two chemical environments: unique bonding characteristics and magnetic properties. Chemical Communications, 2019, 55, 79-82.	2.2	25
83	Impressive second harmonic generation response in a novel phase-matchable NLO-active MOF derived from achiral precursors. Journal of Materials Chemistry C, 2019, 7, 6217-6221.	2.7	25
84	Ba <sub>2</sub> Ge <sub>2</sub> Te <sub>5</sub> : a ternary NLO-active telluride with unusual one-dimensional helical chains and giant second harmonic-generation tensors. Inorganic Chemistry Frontiers, 2021, 8, 4838-4845.	3.0	25
85	Killing Two Birds with One Stone: Selective Oxidation of Small Organic Molecule as Anodic Reaction to Boost CO <sub>2</sub> Electrolysis. Small Structures, 2022, 3, 2100134.	6.9	25
86	Four new cobalt(ii) coordination complexes: thermochromic switchable behavior in the process of dehydration and rehydration. CrystEngComm, 2012, 14, 3189.	1.3	23
87	Rational Design of Metal-Organic Framework-Based Materials for Photocatalytic CO <sub>2</sub> Reduction. Advanced Energy and Sustainability Research, 2022, 3, .	2.8	23
88	In situ synthesis of nickel tiara-like clusters with two different thiolate bridges. Dalton Transactions, 2012, 41, 8472.	1.6	21
89	Dendrimer-Encapsulated Cobalt Nanoparticles as High-Performance Catalysts for the Hydrolysis of Ammonia Borane. ChemCatChem, 2014, 6, 1375-1379.	1.8	21
90	Metal-Organic Frameworks Based on a Bent Triazole Dicarboxylic Acid: Magnetic Behaviors and Selective Luminescence Sensing Properties. Crystal Growth and Design, 2019, 19, 1057-1063.	1.4	21



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91	Facile construction of self-supported Fe-doped Ni <sub>3</sub> S <sub>2</sub> nanoparticle arrays for the ultralow-overpotential oxygen evolution reaction. <i>Nanoscale</i> , 2021, 13, 1807-1812.	2.8	21
92	A cyanide-bridged trinuclear Fe(ii)-Ru(ii)-Fe(ii) complex with three stable states: synthesis, crystal structures, electronic couplings and magnetic properties. <i>Dalton Transactions</i> , 2012, 41, 12163.	1.6	20
93	A one-dimensional coordination polymer constructed from planar pentanuclear copper(ii) clusters with a flexible tripodal ligand. <i>Dalton Transactions</i> , 2012, 41, 9604.	1.6	20
94	Electron-withdrawing anion intercalation and surface sulfurization of NiFe-layered double hydroxide nanoflowers enabling superior oxygen evolution performance. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 270-276.	3.0	20
95	The Rise of Infrared Nonlinear Optical Pnictides: Advances and Outlooks. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3299-3310.	1.7	20
96	Quaternary semiconductor Ba <sub>8</sub> Zn <sub>4</sub> Ga <sub>2</sub> S <sub>15</sub> featuring unique one-dimensional chains and exhibiting desirable yellow emission. <i>Chemical Communications</i> , 2019, 55, 7942-7945.	2.2	19
97	AZn <sub>4</sub> Ga <sub>5</sub> Se <sub>12</sub> (A = K, Rb, or Cs): Infrared Nonlinear Optical Materials with Simultaneous Large Second Harmonic Generation Responses and High Laser-Induced Damage Thresholds. <i>Inorganic Chemistry</i> , 2021, 60, 10038-10046.	1.9	19
98	Syntheses, structures and properties of three-dimensional lanthanide frameworks constructed with a trigonal anti-prismatic lanthanide cluster. <i>CrystEngComm</i> , 2011, 13, 4244.	1.3	18
99	Two cationic metal-organic frameworks featuring different cage-to-cage connections: syntheses, crystal structures, photoluminescence and gas sorption properties. <i>CrystEngComm</i> , 2013, 15, 8139.	1.3	18
100	Surface-Amine-Implanting Approach for Catalyst Functionalization: Prominently Enhancing Catalytic Hydrogen Generation from Formic Acid. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4808-4813.	1.0	18
101	A combined bottom-up and top-down strategy to fabricate lanthanide hydrate@2D MOF composite nanosheets for direct white light emission. <i>Journal of Materials Chemistry C</i> , 2021, 9, 14628-14636.	2.7	18
102	Electrically Conductive Metal-Organic Frameworks for Electrocatalytic Applications. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100100.	2.8	17
103	Water-Stable Two-Dimensional Metal-Organic Framework Nanostructures for Fe <sup>3+</sup> Ions Detection. <i>Crystal Growth and Design</i> , 2021, 21, 5275-5282.	1.4	16
104	An effective amino acid-assisted growth of ultrafine palladium nanocatalysts toward superior synergistic catalysis for hydrogen generation from formic acid. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 975-981.	3.0	15
105	<i>In Situ</i> Bismuth Nanosheet Assembly for Highly Selective Electrocatalytic CO <sub>2</sub> Reduction to Formate. <i>Chemistry - an Asian Journal</i> , 2021, 16, 1539-1544.	1.7	15
106	New insight into heterointerfacial effect for heterogenized metallomacrocyclic catalysts in executing electrocatalytic CO <sub>2</sub> reduction. <i>Applied Catalysis B: Environmental</i> , 2022, 310, 121324.	10.8	15
107	Insight into luminescence enhancement of coordinated water-containing lanthanide metal-organic frameworks by guest molecules. <i>Dalton Transactions</i> , 2015, 44, 2217-2222.	1.6	14
108	[(Ba <sub>19</sub> Cl <sub>4</sub> )(Ga <sub>6</sub> Si <sub>12</sub> O <sub>42</sub> S <sub>8</sub> )]: a Two-Dimensional Wide-Band-Gap Layered Oxysulfide with Mixed-Anion Chemical Bonding and Photocurrent Response. <i>Inorganic Chemistry</i> , 2019, 58, 6588-6592.	1.9	14

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109	Self assembly of a tren-derivative hydrogenated Schiff base with transition metal ions: syntheses, crystal structures and photoluminescent properties. <i>CrystEngComm</i> , 2012, 14, 2879.	1.3	13
110	Homochiral coordination polymers constructed from aminocarboxylate derivatives: Effect of bipyridine on the amidation reaction. <i>Journal of Solid State Chemistry</i> , 2012, 192, 255-262.	1.4	13
111	Combined experimental and theoretical investigations of Ba <sub>3</sub> Ga <sub>4</sub> I: interesting structural transformation originated from halogen substitution. <i>Dalton Transactions</i> , 2019, 48, 17588-17593.	1.6	13
112	Two new phases in the ternary RE–Ga–S systems with the unique interlinkage of Ga <sub>4</sub> building units: synthesis, structure, and properties. <i>Dalton Transactions</i> , 2017, 46, 13731-13738.	1.6	12
113	Covalent organic polymer assisted synthesis of bimetallic electrocatalysts with multicomponent active dopants for efficient oxygen evolution reaction. <i>Electrochimica Acta</i> , 2019, 321, 134679.	2.6	12
114	Structural Modulation from Cu <sub>3</sub> PS <sub>4</sub> to Cu <sub>5</sub> Zn <sub>0.5</sub> P <sub>2</sub> S <sub>8</sub> : Single-Site Aliovalent-Substitution-Driven Second-Harmonic-Generation Enhancement. <i>Inorganic Chemistry</i> , 2021, 60, 4357-4361.	1.9	11
115	Quaternary Chalcogenides CdSnSX <sub>2</sub> (X = Cl or Br) with Neutral Layers: Syntheses, Structures, and Photocatalytic Properties. <i>Inorganic Chemistry</i> , 2021, 60, 3431-3438.	1.9	10
116	Surveying the electrocatalytic CO <sub>2</sub> -to-CO activity of heterogenized metallomacrocycles via accurate clipping at the molecular level. <i>Nano Research</i> , 2022, 15, 10070-10077.	5.8	10
117	Two isomeric metal–organic frameworks bearing stilbene moieties for highly volatile iodine uptake. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 3436-3443.	3.0	10
118	Hydrogen Generation: Metal–Organic Framework Templated Porous Carbon–Metal Oxide/Reduced Graphene Oxide as Superior Support of Bimetallic Nanoparticles for Efficient Hydrogen Generation from Formic Acid ( <i>Adv. Energy Mater.</i> 1/2018). <i>Advanced Energy Materials</i> , 2018, 8, 1770139.	10.2	9
119	Three-dimensional porous copper-decorated bismuth-based nanofoam for boosting the electrochemical reduction of CO <sub>2</sub> to formate. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2461-2467.	3.0	9
120	Syntheses, structures and photoluminescent properties of two metal-organic complexes assembled with a new polycarboxylate ligand. <i>Inorganic Chemistry Communication</i> , 2011, 14, 1119-1123.	1.8	8
121	Quaternary Noncentrosymmetric Rare-Earth Sulfides Ba <sub>4</sub> RE <sub>2</sub> Cd <sub>3</sub> S <sub>10</sub> (RE = Sm, Gd, or Tb): A Joint Experimental and Theoretical Investigation. <i>Inorganic Chemistry</i> , 2022, 61, 1797-1804.	1.9	8
122	Engineering hierarchical quaternary superstructure of an integrated MOF-derived electrode for boosting urea electrooxidation assisted water electrolysis. <i>Green Energy and Environment</i> , 2024, 9, 695-701.	4.7	8
123	Hierarchical Cu <sub>2</sub> S hollow nanowire arrays for highly efficient hydrogen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2021, 5, 2633-2639.	2.5	7
124	Fabrication of doubly charged anion-exchange membranes for enhancing hydroxide conductivity. <i>Separation Science and Technology</i> , 2021, 56, 1589-1600.	1.3	6
125	A three-dimensional coordination polymer based on linear trinuclear copper(ii) clusters featuring a ferromagnetic exchange interaction. <i>CrystEngComm</i> , 2013, 15, 2120.	1.3	5
126	Triazine-Cored Lanthanide-Based Metal–Organic Frameworks Featuring Unique Water Chains and Strong Characteristic Emissions. <i>Chemistry - an Asian Journal</i> , 2019, 14, 3590-3596.	1.7	4



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127	Synthesis and characterization of cobalt(III) cyanide complexes: cobalt participation in the decomposition of radical anion of TCNQ. <i>CrystEngComm</i> , 2012, 14, 8708.	1.3	3
128	Electrocatalysts: Semisacrificial Template Growth of Self-Supporting MOF Nanocomposite Electrode for Efficient Electrocatalytic Water Oxidation ( <i>Adv. Funct. Mater.</i> 6/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970033.	7.8	2
129	Self-Assembly of $[M_{13}Ni_8S_8(edt)_{14}]^{2+}$ (M = Cd, Zn): A New Type of Henicosnuclear Heterometallic Clusters Based on Two Primary Building Units. <i>Crystal Growth and Design</i> , 2012, 12, 4295-4298.	1.4	1
130	Metal-Organic Frameworks for Electrocatalysis. , 2020, , 29-66.		1