

Qi-Long Zhu

List of PR Articles by Year in descending order

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173

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11341

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9871

126

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18332

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14112

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15363

citing authors

#	ARTICLE	IF	PR CITATIONS
1	Regulating pore structure and pseudo-graphitic phase of hard carbon anode towards enhanced sodium storage performance. Chinese Chemical Letters, 2025, 36, 110122.	7.5	4
2	Electrosynthesis of hydroxylamine from earth-abundant small molecules. Chinese Journal of Structural Chemistry, 2025, 44, 100383.	7.0	0
3	Membrane-free sequential paired electrosynthesis of 1,4-hydroquinone from phenol over a self-supported electrocatalytic electrode. Industrial Chemistry & Materials, 2025, 3, 213-222.	13.8	4
4	Ordered macroporous superstructure of defective carbon adorned with tiny cobalt sulfide for selective electrocatalytic hydrogenation of cinnamaldehyde. Applied Catalysis B: Environmental, 2025, 361, 124642.	20.5	9
5	From [Ba ₃ S][GeS ₄] to [Ba ₃ CO ₃][MS ₄] (M = Ge, Sn): Enhancing optical anisotropy in IR birefringent crystals via functional group implantation. Chinese Journal of Structural Chemistry, 2025, 44, 100455.	7.0	8
6	Engineering hierarchical quaternary superstructure of an integrated MOF-derived electrode for boosting urea electrooxidation assisted water electrolysis. Green Energy and Environment, 2024, 9, 695-701.	12.5	29
7	Customizing Highly Asymmetrical Coordination Microenvironment into <i>P</i> -Block Metal Single-Atom Sites to Boost Electrocatalytic CO ₂ Reduction. Advanced Functional Materials, 2024, 34, .	17.0	38
8	Regulating the key performance parameters for Hg-based IR NLO chalcogenides via bandgap engineering strategy. Chinese Chemical Letters, 2024, 35, 109377.	7.5	19
9	Ga-based IR nonlinear optical materials: Synthesis, structures, and properties. Coordination Chemistry Reviews, 2024, 502, 215617.	23.2	46
10	Self-supported bimetallic array superstructures for high-performance coupling electrosynthesis of formate and adipate. Exploration, 2024, 4, .	18.2	22
11	Covalent Phenanthroline-Porphyrin Polymer for Aminocarbonylation through Electro/Thermocatalytic Tandem Processes: Extending Chemical Valorization of CO ₂ . Advanced Functional Materials, 2024, 34, .	17.0	11
12	Partial substitution with a significant effect: coexistence of a wide band gap and large birefringence in the oxychalcogenide AEGe ₂ O ₄ Se (AE = Sr and Ba). Inorganic Chemistry Frontiers, 2024, 11, 1890-1898.	6.4	14
13	Ba ₁₀ In ₂ Mn ₁₁ Si ₃ O ₁₂ S ₁₈ : First Hexanary Oxychalcogenide Containing an Infrequent Three-Dimensional Noncentrosymmetric Framework. Inorganic Chemistry, 2024, 63, 4022-4027.	4.6	8
14	Structure-induced interfacial activation conveying the CO ₂ -relayed conversion of CO ₂ to dimethyl carbonate. Chemical Engineering Journal, 2024, 486, 150179.	12.0	8
15	Rare-earth-based chalcogenides and their derivatives: an encouraging IR nonlinear optical material candidate. Chemical Science, 2024, 15, 5869-5896.	7.1	46
16	Tunable Circularly Polarized Luminescence by Confining Dye Molecules within Chiral Layered Metal-Organic Framework. Advanced Optical Materials, 2024, 12, .	7.0	17
17	The relation between the atomic mass ratio and quartic anharmonicity in alkali metal hydrides. Materials Today Physics, 2024, 44, 101423.	6.1	8
18	Wide-wavelength-tunable operation of Tm:GYAP disordered crystal laser with birefringence filtering. Optik, 2024, 308, 171817.	3.0	1

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19	Hierarchically Ordered Pore Engineering of Metal-Organic Framework-Based Materials for Electrocatalysis. <i>Advanced Materials</i> , 2024, 36, .	24.5	48
20	The first Hg-based oxychalcogenide Sr ₂ HgGe ₂ OS ₆ : Achieving balanced IR nonlinear optical properties through synergistic cation and anion substitution. <i>Materials Today Physics</i> , 2024, 44, 101442.	6.1	21
21	Value-Added Cascade Synthesis Mediated by Paired-Electrolysis Using an Ultrathin Microenvironment-Built Metalized Covalent Organic Framework Heterojunction. <i>Advanced Energy Materials</i> , 2024, 14, .	22.6	24
22	RbPbPS ₄ : a promising IR nonlinear optical material achieved by lone-pair-cation-substitution-induced structure transformation. <i>Inorganic Chemistry Frontiers</i> , 2024, 11, 3744-3754.	6.4	14
23	Recent advances and future perspectives on rare-earth-based nonlinear optical materials with f-conjugated [XO ₃] (X = Al, C, N) units. <i>Coordination Chemistry Reviews</i> , 2024, 517, 216053.	23.2	41
24	Realizing Excellent Infrared Nonlinear Optical Performance in Eu-Based Chalcogenides via Rational Cross Substitution Strategy. <i>ACS Applied Materials & Interfaces</i> , 2024, 16, 52682-52691.	8.0	17
25	Selenic Acid Etching Assisted Atomic Engineering for Designing Metal-Semimetal Dual Single-Atom Catalysts for Enhanced CO ₂ Electroreduction. <i>ACS Nano</i> , 2024, 18, 33210-33219.	15.3	22
26	Heterointerface engineering of Ru/RuS ₂ on N/S-doped hollow mesoporous carbon for promoting alkaline hydrogen evolution. <i>Chinese Chemical Letters</i> , 2023, 34, 107788.	7.5	16
27	Simple yet extraordinary: Super-polyhedra-built 3D chalcogenide framework of Cs ₅ Ga ₉ S ₁₆ with excellent infrared nonlinear optical performance. <i>Chinese Chemical Letters</i> , 2023, 34, 107838.	7.5	24
28	Convergent paired electrosynthesis of dimethyl carbonate from carbon dioxide enabled by designing the superstructure of axial oxygen coordinated nickel single-atom catalysts. <i>Energy and Environmental Science</i> , 2023, 16, 502-512.	30.9	117
29	Ba ₅ Ga ₂ SiO ₄ S ₆ : a Phase-Matching Nonlinear Optical Oxychalcogenide Design via Structural Regulation Originated from Heteroanion Introduction. <i>Inorganic Chemistry</i> , 2023, 62, 464-473.	4.6	24
30	Hierarchically ordered porous superstructure embedded with readily accessible atomic pair sites for enhanced CO ₂ electroreduction. <i>Applied Catalysis B: Environmental</i> , 2023, 330, 122638.	20.5	50
31	Rational Design of a Rare-Earth Oxychalcogenide Nd ₃ [Ca ₃ O ₃ S ₃][Ge ₂ O ₇] with Superior Infrared Nonlinear Optical Performance. <i>Small</i> , 2023, 19, .	11.6	60
32	Introduction of Multicomponent Dyes into 2D MOFs: A Strategy to Fabricate White Light-Emitting MOF Composite Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 11131-11140.	8.0	37
33	Melilite oxychalcogenide Sr ₂ FeGe ₂ OS ₆ : a phase-matching IR nonlinear optical material realized by isomorphous substitution. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 2030-2038.	6.4	30
34	Rational Design and Assembly of Two-Dimensional Layered Metal-Organic Frameworks: Structure, Morphology, Fluorescence Regulation, and High Iodine Adsorption. <i>Crystal Growth and Design</i> , 2023, 23, 3437-3446.	3.4	4
35	Electrochemical semi-sacrificial growth of a self-supporting MOF-based electrode for urea electrooxidation-coupled water electrolysis. <i>CrystEngComm</i> , 2023, 25, 3229-3236.	2.4	6
36	A unique [Sb ₆ O ₂ S ₁₃] ¹²⁺ finite chain in oxychalcogenide Ba ₆ Sb ₆ O ₂ S ₁₃ leading to ultra-low thermal conductivity and giant birefringence. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 4425-4434.	6.4	9

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55	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.	20.5	108
56	Enzyme-Inspired Microenvironment Engineering of a Single-Molecular Heterojunction for Promoting Concerted Electrochemical CO ₂ Reduction. <i>Advanced Materials</i> , 2022, 34, .	24.5	73
57	A comprehensive review on metal chalcogenides with three-dimensional frameworks for infrared nonlinear optical applications. <i>Coordination Chemistry Reviews</i> , 2022, 470, 214706.	23.2	96
58	Phase matching achieved by isomorphous substitution in IR nonlinear optical material Ba ₂ SnSi ₂ O ₇ with an undiscovered [SnO ₄] functional motif. <i>Materials Chemistry Frontiers</i> , 2022, 6, 3054-3061.	6.1	43
59	Rational design via dual-site aliovalent substitution leads to an outstanding IR nonlinear optical material with well-balanced comprehensive properties. <i>Chemical Science</i> , 2022, 13, 10725-10733.	7.1	59
60	Oxychalcogenides as Promising Ultraviolet Nonlinear Optical Candidates: Experimental and Theoretical Studies of AEGeOS ₂ (AE = Sr and Ba). <i>Inorganic Chemistry</i> , 2022, 61, 15711-15720.	4.6	23
61	Few-atom-layer metallene quantum dots toward CO ₂ electroreduction at ampere-level current density and Zn-CO ₂ battery. <i>Chem Catalysis</i> , 2022, 2, 3528-3545.	9.7	25
62	Fabrication of doubly charged anion-exchange membranes for enhancing hydroxide conductivity. <i>Separation Science and Technology</i> , 2021, 56, 1589-1600.	2.3	11
63	Fluorine-tuned single-atom catalysts with dense surface Ni-N ₄ sites on ultrathin carbon nanosheets for efficient CO ₂ electroreduction. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119591.	20.5	163
64	Facile construction of self-supported Fe-doped Ni ₃ S ₂ nanoparticle arrays for the ultralow-overpotential oxygen evolution reaction. <i>Nanoscale</i> , 2021, 13, 1807-1812.	5.0	30
65	Bifunctional single-molecular heterojunction enables completely selective CO ₂ -to-CO conversion integrated with oxidative 3D nano-polymerization. <i>Energy and Environmental Science</i> , 2021, 14, 1544-1552.	30.9	132
66	Engineering a conductive network of atomically thin bismuthene with rich defects enables CO ₂ reduction to formate with industry-compatible current densities and stability. <i>Energy and Environmental Science</i> , 2021, 14, 4998-5008.	30.9	204
67	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.	5.1	25
68	Three-dimensional porous copper-decorated bismuth-based nanofoam for boosting the electrochemical reduction of CO ₂ to formate. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2461-2467.	6.4	23
69	Ba ₂ Ge ₂ Te ₅ : a ternary NLO-active telluride with unusual one-dimensional helical chains and giant second harmonic-generation tensors. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4838-4845.	6.4	30
70	Quaternary Chalcogenides CdSnSX ₂ (X = Cl or Br) with Neutral Layers: Syntheses, Structures, and Photocatalytic Properties. <i>Inorganic Chemistry</i> , 2021, 60, 3431-3438.	4.6	14
71	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, .	24.5	314
72	Structural Modulation from Cu ₃ PS ₄ to Cu ₅ Zn _{0.5} P ₂ S ₈ : Single-Site Aliovalent-Substitution-Driven Second-Harmonic-Generation Enhancement. <i>Inorganic Chemistry</i> , 2021, 60, 4357-4361.	4.6	22

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73	Hydrangea-like Superstructured Micro/Nanoreactor of Topotactically Converted Ultrathin Bismuth Nanosheets for Highly Active CO ₂ Electroreduction to Formate. ACS Applied Materials & Interfaces, 2021, 13, 20589-20597.	8.0	66
74	<i>In Situ</i> Bismuth Nanosheet Assembly for Highly Selective Electrocatalytic CO ₂ Reduction to Formate. Chemistry - an Asian Journal, 2021, 16, 1539-1544.	3.0	20
75	Divergent Paths, Same Goal: A Pair of Electrosynthesis Tactic for Cost-Efficient and Exclusive Formate Production by Metal-Organic Framework-Derived 2D Electrocatalysts. Advanced Materials, 2021, 33, .	24.5	211
76	Atomically Structural Regulations of Carbon-Based Single-Atom Catalysts for Electrochemical CO ₂ Reduction. Small Methods, 2021, 5, .	9.0	80
77	Electrically Conductive Metal-Organic Frameworks for Electrocatalytic Applications. Advanced Energy and Sustainability Research, 2021, 2, .	5.5	57
78	AZn ₄ Ga ₅ Se ₁₂ (A = K, Rb, or Cs): Infrared Nonlinear Optical Materials with Simultaneous Large Second Harmonic Generation Responses and High Laser-Induced Damage Thresholds. Inorganic Chemistry, 2021, 60, 10038-10046.	4.6	28
79	Design principles and direct applications of cobalt-based metal-organic frameworks for electrochemical energy storage. Coordination Chemistry Reviews, 2021, 438, 213872.	23.2	91
80	Water-Stable Two-Dimensional Metal-Organic Framework Nanostructures for Fe ³⁺ Ions Detection. Crystal Growth and Design, 2021, 21, 5275-5282.	3.4	19
81	The Rise of Infrared Nonlinear Optical Pnictides: Advances and Outlooks. Chemistry - an Asian Journal, 2021, 16, 3299-3310.	3.0	32
82	Nano-engineering of Ru-based hierarchical porous nanoreactors for highly efficient pH-universal overall water splitting. Applied Catalysis B: Environmental, 2021, 294, 120230.	20.5	80
83	M ₂ As ₂ 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. Journal of Materials Chemistry C, 2021, 9, 1156-1163.	5.1	66
84	Hierarchical Cu ₂ S hollow nanowire arrays for highly efficient hydrogen evolution reaction. Sustainable Energy and Fuels, 2021, 5, 2633-2639.	3.9	11
85	Recent progress in oxychalcogenides as IR nonlinear optical materials. Dalton Transactions, 2021, 50, 4112-4118.	3.0	74
86	Porphyrim framework-derived N-doped porous carbon-confined Ru for NH ₃ BH ₃ methanolysis: the more pyridinic-N, the better. Journal of Materials Chemistry A, 2021, 10, 326-336.	9.3	89
87	Electron-withdrawing anion intercalation and surface sulfurization of NiFe-layered double hydroxide nanoflowers enabling superior oxygen evolution performance. Inorganic Chemistry Frontiers, 2020, 7, 270-276.	6.4	28
88	Rational design of infrared nonlinear optical chalcogenides by chemical substitution. Coordination Chemistry Reviews, 2020, 406, 213150.	23.2	258
89	Remarkable electrocatalytic CO ₂ reduction with ultrahigh CO/H ₂ ratio over single-molecularly immobilized pyrrolidinonyl nickel phthalocyanine. Applied Catalysis B: Environmental, 2020, 264, 118530.	20.5	97
90	MOF-based atomically dispersed metal catalysts: Recent progress towards novel atomic configurations and electrocatalytic applications. Coordination Chemistry Reviews, 2020, 422, 213483.	23.2	134

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91	Efficient Carbon Dioxide Electroreduction over Ultrathin Covalent Organic Framework Nanolayers with Isolated Cobalt Porphyrin Units. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 37986-37992.	8.0	101
92	Salt-Inclusion Chalcogenide [Ba ₄ Cl ₂][ZnGa ₄ S 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.	6.7	119
93	Salt-inclusion chalcogenides: an emerging class of IR nonlinear optical materials. <i>Dalton Transactions</i> , 2020, 49, 14338-14343.	3.0	50
94	Metal-Organic Layers Leading to Atomically Thin Bismuthene for Efficient Carbon Dioxide Electroreduction to Liquid Fuel. <i>Angewandte Chemie</i> , 2020, 132, 15124-15130.	1.4	62
95	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.	14.4	390
96	Coordination tailoring of water-labile 3D MOFs to fabricate ultrathin 2D MOF nanosheets. <i>Nanoscale</i> , 2020, 12, 12767-12772.	5.0	53
97	Twofold Interpenetrated 2D MOF Nanosheets Generated by an Instant In Situ Exfoliation Method: Morphology Control and Fluorescent Sensing. <i>Advanced Materials Interfaces</i> , 2020, 7, .	4.1	45
98	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.	6.7	108
99	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.	20.5	220
100	Ligand-assisted capping growth of self-supporting ultrathin FeNi-LDH nanosheet arrays with atomically dispersed chromium atoms for efficient electrocatalytic water oxidation. <i>Nanoscale</i> , 2020, 12, 5817-5823.	5.0	47
101	HgCuPS ₄ : An Exceptional Infrared Nonlinear Optical Material with Defect Diamond-like Structure. <i>Chemistry of Materials</i> , 2020, 32, 4331-4339.	6.7	132
102	MOF-based materials for photo- and electrocatalytic CO ₂ reduction. <i>EnergyChem</i> , 2020, 2, 100033.	19.6	267
103	Covalent organic polymer assisted synthesis of bimetallic electrocatalysts with multicomponent active dopants for efficient oxygen evolution reaction. <i>Electrochimica Acta</i> , 2019, 321, 134679.	5.3	13
104	Inlaying Ultrathin Bimetallic MOF Nanosheets into 3D Ordered Macroporous Hydroxide for Superior Electrocatalytic Oxygen Evolution. <i>Small</i> , 2019, 15, .	11.6	88
105	Sn ₂ Ga ₂ S 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.	6.7	76
106	Metal-Organic Frameworks Based on a Bent Triazole Dicarboxylic Acid: Magnetic Behaviors and Selective Luminescence Sensing Properties. <i>Crystal Growth and Design</i> , 2019, 19, 1057-1063.	3.4	26
107	An unprecedented pentanary chalcogenide with Mn atoms in two chemical environments: unique bonding characteristics and magnetic properties. <i>Chemical Communications</i> , 2019, 55, 79-82.	3.4	28
108	Quaternary semiconductor Ba ₈ Zn ₄ Ga ₂ S ₁₅ featuring unique one-dimensional chains and exhibiting desirable yellow emission. <i>Chemical Communications</i> , 2019, 55, 7942-7945.	3.4	25

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109	[(Ba ₁₉ Cl ₄)(Ga ₆ Si ₁₂ O ₄₂ S ₈)]: a Two-Dimensional Wide-Band-Gap Layered Oxysulfide with Mixed-Anion Chemical Bonding and Photocurrent Response. <i>Inorganic Chemistry</i> , 2019, 58, 6588-6592.	4.6	19
110	Impressive second harmonic generation response in a novel phase-matchable NLO-active MOF derived from achiral precursors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6217-6221.	5.1	36
111	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.	3.0	4
112	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.	5.1	87
113	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.	6.4	22
114	Combined experimental and theoretical investigations of Ba ₃ GaS ₄ : interesting structural transformation originated from halogen substitution. <i>Dalton Transactions</i> , 2019, 48, 17588-17593.	3.0	14
115	Semisacrificial Template Growth of Self-Supporting MOF Nanocomposite Electrode for Efficient Electrocatalytic Water Oxidation. <i>Advanced Functional Materials</i> , 2019, 29, .	17.0	267
116	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.	9.3	69
117	Sr ₅ ZnGa ₆ 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.	6.4	59
118	Quasi-MOF: Exposing Inorganic Nodes to Guest Metal Nanoparticles for Drastically Enhanced Catalytic Activity. <i>CheM</i> , 2018, 4, 845-856.	16.6	234
119	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.	18.1	96
120	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, .	22.6	120
121	Recent Progress in Asymmetric Catalysis and Chromatographic Separation by Chiral Metal-Organic Frameworks. <i>Catalysts</i> , 2018, 8, 120.	3.8	83
122	Ternary Mixed-Metal Cd ₄ GeS ₆ : Remarkable Nonlinear-Optical Properties Based on a Tetrahedral-Stacking Framework. <i>Inorganic Chemistry</i> , 2018, 57, 8730-8734.	4.6	38
123	Pore surface engineering of metal-organic frameworks for heterogeneous catalysis. <i>Coordination Chemistry Reviews</i> , 2018, 376, 248-276.	23.2	206
124	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, .	11.6	42
125	Metal-Organic Frameworks for Energy Applications. <i>CheM</i> , 2017, 2, 52-80.	16.6	1,116
126	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.	17.0	314

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127	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.	9.3	94
128	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.	1.8	22
129	Two new phases in the ternary RE-Ga-S systems with the unique interlinkage of GaS ₄ building units: synthesis, structure, and properties. <i>Dalton Transactions</i> , 2017, 46, 13731-13738.	3.0	16
130	Introduction of Red-Green-Blue Fluorescent Dyes into a Metal-Organic Framework for Tunable White Light Emission. <i>Advanced Materials</i> , 2017, 29, .	24.5	261
131	Toward a molecular design of porous carbon materials. <i>Materials Today</i> , 2017, 20, 592-610.	14.0	254
132	Nanomaterials derived from metal-organic frameworks. <i>Nature Reviews Materials</i> , 2017, 3, .	78.1	1,151
133	Immobilization of Ultrafine Metal Nanoparticles to High-Surface-Area Materials and Their Catalytic Applications. <i>CheM</i> , 2016, 1, 220-245.	16.6	471
134	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.	2.5	49
135	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.	24.5	451
136	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.	15.0	229
137	Insight into luminescence enhancement of coordinated water-containing lanthanide metal-organic frameworks by guest molecules. <i>Dalton Transactions</i> , 2015, 44, 2217-2222.	3.0	15
138	Diamine-Alkylated 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.	12.4	198
139	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.	3.4	74
140	Monodispersed PtNi nanoparticles deposited on diamine-alkylated graphene for highly efficient dehydrogenation of hydrous hydrazine at room temperature. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23090-23094.	9.3	73
141	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.	15.0	238
142	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.	3.4	88
143	Liquid organic and inorganic chemical hydrides for high-capacity hydrogen storage. <i>Energy and Environmental Science</i> , 2015, 8, 478-512.	30.9	811
144	Non-noble bimetallic CuCo nanoparticles encapsulated in the pores of metal-organic frameworks: synergistic catalysis in the hydrolysis of ammonia borane for hydrogen generation. <i>Catalysis Science and Technology</i> , 2015, 5, 525-530.	4.0	199

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145	Metal-organic framework composites. <i>Chemical Society Reviews</i> , 2014, 43, 5468-5512.	37.8	2,170
146	Dendrimer-Encapsulated Cobalt Nanoparticles as High-Performance Catalysts for the Hydrolysis of Ammonia Borane. <i>ChemCatChem</i> , 2014, 6, 1375-1379.	3.6	40
147	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.	12.4	86
148	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.	3.4	126
149	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.	7.1	241
150	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.	2.4	19
151	A three-dimensional coordination polymer based on linear trinuclear copper(ii) clusters featuring a ferromagnetic exchange interaction. <i>CrystEngComm</i> , 2013, 15, 2120.	2.4	5
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