Qiang Xu

List of Publications by Year
in descending order

647 papers	73,048 citations	315 / 138 h-index	718 / 252 g-index
680 all docs	680 docs citations	680 times ranked	44252 citing authors

#	Article	IF	Citations
1	Metalâ€“organic framework composites. Chemical Society Reviews, 2014, 43, 5468-5512.	18.7	1,901
2	Metal-Organic Framework as a Template for Porous Carbon Synthesis. Journal of the American Chemical Society, 2008, 130, 5390-5391.	6.6	1,623
3	Metalâ€“organic frameworks meet metal nanoparticles: synergistic effect for enhanced catalysis. Chemical Society Reviews, 2017, 46, 4774-4808.	18.7	1,519
4	Metalâ€“organic frameworks and their derived nanostructures for electrochemical energy storage and conversion. Energy and Environmental Science, 2015, 8, 1837-1866.	15.6	1,483
5	From Bimetallic Metalâ€Organic Framework to Porous Carbon: High Surface Area and Multicomponent Active Dopants for Excellent Electrocatalysis. Advanced Materials, 2015, 27, 5010-5016.	11.1	1,224
6	Metalâ€“Organic Frameworks as Platforms for Catalytic Applications. Advanced Materials, 2018, 30, e1703663.	11.1	1,210
7	MOF-derived electrocatalysts for oxygen reduction, oxygen evolution and hydrogen evolution reactions. Chemical Society Reviews, 2020, 49, 1414-1448.	18.7	1,128
8	From Metalâ€“Organic Framework to Nanoporous Carbon: Toward a Very High Surface Area and Hydrogen Uptake. Journal of the American Chemical Society, 2011, 133, 11854-11857.	6.6	1,071
9	Nanomaterials derived from metalâ€“organic frameworks. Nature Reviews Materials, 2018, 3, .	23.3	962
10	Metal-Organic Frameworks for Energy Applications. CheM, 2017, 2, 52-80.	5.8	941
11	Fabrication of carbon nanorods and graphene nanoribbons from a metalâ€“organic framework. Nature Chemistry, 2016, 8, 718-724.	6.6	913
12	Synergistic Catalysis of Au@Ag Coreâˆ’Shell Nanoparticles Stabilized on Metalâˆ’Organic Framework. Journal of the American Chemical Society, 2011, 133, 1304-1306.	6.6	858
13	Metalâ€“organic frameworks as platforms for clean energy. Energy and Environmental Science, 2013, 6, 1656.	15.6	858
14	Immobilizing Highly Catalytically Active Pt Nanoparticles inside the Pores of Metalâ€“Organic Framework: A Double Solvents Approach. Journal of the American Chemical Society, 2012, 134, 13926-13929.	6.6	834
15	Porous metalâ€“organic frameworks as platforms for functional applications. Chemical Communications, 2011, 47, 3351.	2.2	798
16	Au@ZIF-8: CO Oxidation over Gold Nanoparticles Deposited to Metalâˆ’Organic Framework. Journal of the American Chemical Society, 2009, 131, 11302-11303.	6.6	772
17	Liquid-phase chemical hydrogen storage materials. Energy and Environmental Science, 2012, 5, 9698.	15.6	737
18	Synergistic Catalysis of Metalâ€“Organic Framework-Immobilized Auâ€“Pd Nanoparticles in Dehydrogenation of Formic Acid for Chemical Hydrogen Storage. Journal of the American Chemical Society, 2011, 133, 11822-11825.	6.6	725

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19	Metalâ€"Organic Framework-Based Catalysts with Single Metal Sites. Chemical Reviews, 2020, 120, 12089-12174.	23.0	692
20	Synthesis of micro/nanoscaled metalâ€"organic frameworks and their direct electrochemical applications. Chemical Society Reviews, 2020, 49, 301-331.	18.7	685
21	Liquid organic and inorganic chemical hydrides for high-capacity hydrogen storage. Energy and Environmental Science, 2015, 8, 478-512.	15.6	673
22	Immobilizing Metal Nanoparticles to Metalâ€"Organic Frameworks with Size and Location Control for Optimizing Catalytic Performance. Journal of the American Chemical Society, 2013, 135, 10210-10213.	6.6	661
23	A high-performance hydrogen generation system: Transition metal-catalyzed dissociation and hydrolysis of ammoniaâ€"borane. Journal of Power Sources, 2006, 156, 190-194.	4.0	641
24	Metalâ€"organic framework (MOF) as a template for syntheses of nanoporous carbons as electrode materials for supercapacitor. Carbon, 2010, 48, 456-463.	5.4	621
25	Functional materials derived from open framework templates/precursors: synthesis and applications. Energy and Environmental Science, 2014, 7, 2071.	15.6	619
26	Hydrogen carriers. Nature Reviews Materials, 2016, 1, .	23.3	602
27	Non-, Micro-, and Mesoporous Metalâˆ'Organic Framework Isomers: Reversible Transformation, Fluorescence Sensing, and Large Molecule Separation. Journal of the American Chemical Society, 2010, 132, 5586-5587.	6.6	588
28	Synergistic Catalysis over Bimetallic Alloy Nanoparticles. ChemCatChem, 2013, 5, 652-676.	1.8	560
29	Electrochemical nitrogen fixation and utilization: theories, advanced catalyst materials and system design. Chemical Society Reviews, 2019, 48, 5658-5716.	18.7	541
30	Catalytic activities of non-noble metals for hydrogen generation from aqueous ammoniaâ€"borane at room temperature. Journal of Power Sources, 2006, 163, 364-370.	4.0	540
31	From Metalâ€"Organic Framework to Nitrogen-Decorated Nanoporous Carbons: High CO₂ Uptake and Efficient Catalytic Oxygen Reduction. Journal of the American Chemical Society, 2014, 136, 6790-6793.	6.6	533
32	Metalâ€"organic frameworks as a platform for clean energy applications. EnergyChem, 2020, 2, 100027.	10.1	530
33	Pristine Metalâ€"Organic Frameworks and their Composites for Energy Storage and Conversion. Advanced Materials, 2018, 30, e1702891.	11.1	525
34	New Strategies for Novel MOF-Derived Carbon Materials Based on Nanoarchitectures. CheM, 2020, 6, 19-40.	5.8	511
35	Preparation, Adsorption Properties, and Catalytic Activity of 3D Porous Metalâ€"Organic Frameworks Composed of Cubic Building Blocks and Alkali-Metal Ions. Angewandte Chemie - International Edition, 2006, 45, 2542-2546.	7.2	506
36	Room temperature hydrogen generation from aqueous ammonia-borane using noble metal nano-clusters as highly active catalysts. Journal of Power Sources, 2007, 168, 135-142.	4.0	495

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37	A highly alkaline-stable metal oxide@metalâ€"organic framework composite for high-performance electrochemical energy storage. National Science Review, 2020, 7, 305-314.	4.6	487
38	Metal-Organic Frameworks for Batteries. Joule, 2018, 2, 2235-2259.	11.7	462
39	One-Step Seeding Growth of Magnetically Recyclable Au@Co Coreâ^'Shell Nanoparticles: Highly Efficient Catalyst for Hydrolytic Dehydrogenation of Ammonia Borane. Journal of the American Chemical Society, 2010, 132, 5326-5327.	6.6	453
40	Atomically Dispersed Metal Sites in MOFâ€Based Materials for Electrocatalytic and Photocatalytic Energy Conversion. Angewandte Chemie - International Edition, 2018, 57, 9604-9633.	7.2	452
41	Metal-organic framework-derived materials for electrochemical energy applications. EnergyChem, 2019, 1, 100001.	10.1	438
42	Ironâ€Nanoparticleâ€Catalyzed Hydrolytic Dehydrogenation of Ammonia Borane for Chemical Hydrogen Storage. Angewandte Chemie - International Edition, 2008, 47, 2287-2289.	7.2	433
43	Pd Nanocubes@ZIFâ€8: Integration of Plasmonâ€Driven Photothermal Conversion with a Metalâ€"Organic Framework for Efficient and Selective Catalysis. Angewandte Chemie - International Edition, 2016, 55, 3685-3689.	7.2	426
44	Metalâ€Organic Frameworkâ€Derived Honeycombâ€Like Open Porous Nanostructures as Preciousâ€Metalâ€Free Catalysts for Highly Efficient Oxygen Electroreduction. Advanced Materials, 2016, 28, 6391-6398.	11.1	414
45	Dehydrogenation of Ammonia Borane by Metal Nanoparticle Catalysts. ACS Catalysis, 2016, 6, 6892-6905.	5.5	406
46	Liquidâ€Phase Chemical Hydrogen Storage: Catalytic Hydrogen Generation under Ambient Conditions. ChemSusChem, 2010, 3, 541-549.	3.6	396
47	Recent progress in synergistic catalysis over heterometallic nanoparticles. Journal of Materials Chemistry, 2011, 21, 13705.	6.7	395
48	Materials Design for Rechargeable Metal-Air Batteries. Matter, 2019, 1, 565-595.	5.0	383
49	Immobilization of Ultrafine Metal Nanoparticles to High-Surface-Area Materials and Their Catalytic Applications. CheM, 2016, 1, 220-245.	5.8	381
50	Multifunctional PdAg@MIL-101 for One-Pot Cascade Reactions: Combination of Hostâ€"Guest Cooperation and Bimetallic Synergy in Catalysis. ACS Catalysis, 2015, 5, 2062-2069.	5.5	363
51	High-Performance Energy Storage and Conversion Materials Derived from a Single Metalâ€"Organic Framework/Graphene Aerogel Composite. Nano Letters, 2017, 17, 2788-2795.	4.5	348
52	Metalâ€"Organic Framework Based Catalysts for Hydrogen Evolution. Advanced Energy Materials, 2018, 8, 1801193.	10.2	345
53	Boron- and nitrogen-based chemical hydrogen storage materials. International Journal of Hydrogen Energy, 2009, 34, 2303-2311.	3.8	337
54	Facile Synthesis of Ultrasmall CoS₂Nanoparticles within Thin N-Doped Porous Carbon Shell for High Performance Lithium-Ion Batteries. Small, 2015, 11, 2511-2517.	5.2	334

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55	From assembled metalâ€“organic framework nanoparticles to hierarchically porous carbon for electrochemical energy storage. Chemical Communications, 2014, 50, 1519-1522.	2.2	329
56	Probing the Lewis Acid Sites and CO Catalytic Oxidation Activity of the Porous Metalâˆ’Organic Polymer [Cu(5-methylisophthalate)]. Journal of the American Chemical Society, 2007, 129, 8402-8403.	6.6	327
57	Rational Design and General Synthesis of Multimetallic Metalâ€“Organic Framework Nanoâ€Octahedra for Enhanced Liâ€“S Battery. Advanced Materials, 2021, 33, e2105163.	11.1	324
58	From metalâ€“organic frameworks to single/dual-atom and cluster metal catalysts for energy applications. Energy and Environmental Science, 2020, 13, 1658-1693.	15.6	323
59	Mesoporous Metalâ€Organic Frameworks with Sizeâ€tunable Cages: Selective CO₂ Uptake, Encapsulation of Ln³⁺ Cations for Luminescence, and Columnâ€Chromatographic Dye Separation. Advanced Materials, 2011, 23, 5015-5020.	11.1	321
60	Encapsulating highly catalytically active metal nanoclusters inside porous organic cages. Nature Catalysis, 2018, 1, 214-220.	16.1	310
61	Metal-Organic Framework Composites for Catalysis. Matter, 2019, 1, 57-89.	5.0	308
62	Noble-Metal-Free Bimetallic Nanoparticle-Catalyzed Selective Hydrogen Generation from Hydrous Hydrazine for Chemical Hydrogen Storage. Journal of the American Chemical Society, 2011, 133, 19638-19641.	6.6	303
63	Nitrogenâ€Doped Cobalt Oxide Nanostructures Derived from Cobaltâ€“Alanine Complexes for Highâ€Performance Oxygen Evolution Reactions. Advanced Functional Materials, 2018, 28, 1800886.	7.8	302
64	Top-down fabrication of crystalline metalâ€“organic framework nanosheets. Chemical Communications, 2011, 47, 8436.	2.2	301
65	Catalytic hydrolysis of ammonia borane for chemical hydrogen storage. Catalysis Today, 2011, 170, 56-63.	2.2	295
66	Reversible Hydrogen Storage via Titanium-Catalyzed LiAlH4 and Li3AlH6. Journal of Physical Chemistry B, 2001, 105, 11214-11220.	1.2	289
67	Bimetallic metalâ€“organic frameworks and their derivatives. Chemical Science, 2020, 11, 5369-5403.	3.7	285
68	Atomically Dispersed Fe/N-Doped Hierarchical Carbon Architectures Derived from a Metalâ€“Organic Framework Composite for Extremely Efficient Electrocatalysis. ACS Energy Letters, 2017, 2, 504-511.	8.8	279
69	Room-Temperature Hydrogen Generation from Hydrous Hydrazine for Chemical Hydrogen Storage. Journal of the American Chemical Society, 2009, 131, 9894-9895.	6.6	278
70	N-rich zeolite-like metalâ€“organic framework with sodalite topology: high CO2 uptake, selective gas adsorption and efficient drug delivery. Chemical Science, 2012, 3, 2114.	3.7	277
71	Metalâ€“Organic Layers Leading to Atomically Thin Bismuthene for Efficient Carbon Dioxide Electroreduction to Liquid Fuel. Angewandte Chemie - International Edition, 2020, 59, 15014-15020.	7.2	276
72	Metal-Nanoparticle-Catalyzed Hydrogen Generation from Formic Acid. Accounts of Chemical Research, 2017, 50, 1449-1458.	7.6	270

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73	Singleâ€Atom Iron Catalysts on Overhangâ€Eave Carbon Cages for Highâ€Performance Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2020, 59, 7384-7389.	7.2	264
74	Metalâ€“Organicâ€Frameworkâ€Derived Co₂P Nanoparticle/Multiâ€Doped Porous Carbon as a Trifunctional Electrocatalyst. Advanced Materials, 2020, 32, e2003649.	11.1	261
75	Polydimethylsiloxane Coating for a Palladium/MOF Composite: Highly Improved Catalytic Performance by Surface Hydrophobization. Angewandte Chemie - International Edition, 2016, 55, 7379-7383.	7.2	260
76	Bimetallic Metalâ€“Organic Frameworks for Gas Storage and Separation. Crystal Growth and Design, 2017, 17, 1450-1455.	1.4	255
77	A portable hydrogen generation system: Catalytic hydrolysis of ammoniaâ€“borane. Journal of Alloys and Compounds, 2007, 446-447, 729-732.	2.8	252
78	In Situ Anchoring Polymetallic Phosphide Nanoparticles within Porous Prussian Blue Analogue Nanocages for Boosting Oxygen Evolution Catalysis. Nano Letters, 2021, 21, 3016-3025.	4.5	250
79	Ultrathin two-dimensional cobaltâ€“organic framework nanosheets for high-performance electrocatalytic oxygen evolution. Journal of Materials Chemistry A, 2018, 6, 22070-22076.	5.2	249
80	Complete Conversion of Hydrous Hydrazine to Hydrogen at Room Temperature for Chemical Hydrogen Storage. Journal of the American Chemical Society, 2009, 131, 18032-18033.	6.6	240
81	Puffing Up Energetic Metalâ€“Organic Frameworks to Large Carbon Networks with Hierarchical Porosity and Atomically Dispersed Metal Sites. Angewandte Chemie - International Edition, 2019, 58, 1975-1979.	7.2	237
82	Dissociation and hydrolysis of ammonia-borane with solid acids and carbon dioxide: An efficient hydrogen generation system. Journal of Power Sources, 2006, 159, 855-860.	4.0	234
83	ZIF-8 immobilized nickel nanoparticles: highly effective catalysts for hydrogen generation from hydrolysis of ammonia borane. Chemical Communications, 2012, 48, 3173.	2.2	232
84	Superlong Single-Crystal Metalâ€“Organic Framework Nanotubes. Journal of the American Chemical Society, 2018, 140, 15393-15401.	6.6	230
85	Nanoporeâ€Supported Metal Nanocatalysts for Efficient Hydrogen Generation from Liquidâ€Phase Chemical Hydrogen Storage Materials. Advanced Materials, 2020, 32, e2001818.	11.1	226
86	Toward Homogenization of Heterogeneous Metal Nanoparticle Catalysts with Enhanced Catalytic Performance: Soluble Porous Organic Cage as a Stabilizer and Homogenizer. Journal of the American Chemical Society, 2015, 137, 7063-7066.	6.6	224
87	Semisacrificial Template Growth of Selfâ€Supporting MOF Nanocomposite Electrode for Efficient Electrocatalytic Water Oxidation. Advanced Functional Materials, 2019, 29, 1807418.	7.8	224
88	Converting cobalt oxide subunits in cobalt metal-organic framework into agglomerated Co3O4 nanoparticles as an electrode material for lithium ion battery. Journal of Power Sources, 2010, 195, 857-861.	4.0	223
89	Sodium hydroxide-assisted growth of uniform Pd nanoparticles on nanoporous carbon MSC-30 for efficient and complete dehydrogenation of formic acid under ambient conditions. Chemical Science, 2014, 5, 195-199.	3.7	219
90	Small molecule-driven mitophagy-mediated NLRP3 inflammasome inhibition is responsible for the prevention of colitis-associated cancer. Autophagy, 2014, 10, 972-985.	4.3	216

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91	Immobilizing Extremely Catalytically Active Palladium Nanoparticles to Carbon Nanospheres: A Weakly-Capping Growth Approach. Journal of the American Chemical Society, 2015, 137, 11743-11748.	6.6	215
92	Tiny Pd@Co Coreâ€"Shell Nanoparticles Confined inside a Metalâ€"Organic Framework for Highly Efficient Catalysis. Small, 2015, 11, 71-76.	5.2	215
93	Carbon nanotube-based materials for lithiumâ€"sulfur batteries. Journal of Materials Chemistry A, 2019, 7, 17204-17241.	5.2	214
94	Immobilizing Highly Catalytically Active Noble Metal Nanoparticles on Reduced Graphene Oxide: A Non-Noble Metal Sacrificial Approach. Journal of the American Chemical Society, 2015, 137, 106-109.	6.6	213
95	Ordered Macroporous Superstructure of Nitrogenâ€Doped Nanoporous Carbon Implanted with Ultrafine Ru Nanoclusters for Efficient pHâ€Universal Hydrogen Evolution Reaction. Advanced Materials, 2021, 33, e2006965.	11.1	213
96	Catalytic chromium reduction using formic acid and metal nanoparticles immobilized in a metalâ€"organic framework. Chemical Communications, 2013, 49, 3327.	2.2	205
97	MILâ€96â€Al for Liâ€"S Batteries: Shape or Size?. Advanced Materials, 2022, 34, e2107836.	11.1	205
98	Room temperature hydrolytic dehydrogenation of ammonia borane catalyzed by Co nanoparticles. Journal of Power Sources, 2010, 195, 1091-1094.	4.0	202
99	Toward a molecular design of porous carbon materials. Materials Today, 2017, 20, 592-610.	8.3	202
100	MXeneâ€"2D layered electrode materials for energy storage. Progress in Natural Science: Materials International, 2018, 28, 133-147.	1.8	197
101	Bimetallic Auâ€"Ni Nanoparticles Embedded in SiO₂ Nanospheres: Synergetic Catalysis in Hydrolytic Dehydrogenation of Ammonia Borane. Chemistry - A European Journal, 2010, 16, 3132-3137.	1.7	196
102	OCBBCO:Â A Neutral Molecule with Some Boronâ˜'Boron Triple Bond Character. Journal of the American Chemical Society, 2002, 124, 12936-12937.	6.6	192
103	Cu/Co₃O₄ Nanoparticles as Catalysts for Hydrogen Evolution from Ammonia Borane by Hydrolysis. Journal of Physical Chemistry C, 2010, 114, 16456-16462.	1.5	191
104	MOFâ€Mediated Fabrication of a Porous 3D Superstructure of Carbon Nanosheets Decorated with Ultrafine Cobalt Phosphide Nanoparticles for Efficient Electrocatalysis and Zincâ€"Air Batteries. Angewandte Chemie - International Edition, 2020, 59, 21360-21366.	7.2	188
105	Synthesis of Longtime Water/Air-Stable Ni Nanoparticles and Their High Catalytic Activity for Hydrolysis of Ammoniaâ˜'Borane for Hydrogen Generation. Inorganic Chemistry, 2009, 48, 7389-7393.	1.9	185
106	Recent advances in supramolecular and biological aspects of arene ruthenium(II) complexes. Coordination Chemistry Reviews, 2014, 270-271, 31-56.	9.5	184
107	Bimetallic nickel-iridium nanocatalysts for hydrogen generation by decomposition of hydrous hydrazine. Chemical Communications, 2010, 46, 6545.	2.2	181
108	Catalysis with Metal Nanoparticles Immobilized within the Pores of Metalâ€"Organic Frameworks. Journal of Physical Chemistry Letters, 2014, 5, 1400-1411.	2.1	179

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109	Non-noble bimetallic CuCo nanoparticles encapsulated in the pores of metalâ€"organic frameworks: synergetic catalysis in the hydrolysis of ammonia borane for hydrogen generation. Catalysis Science and Technology, 2015, 5, 525-530.	2.1	179
110	A Single-Crystal Open-Capsule Metalâ€"Organic Framework. Journal of the American Chemical Society, 2019, 141, 7906-7916.	6.6	179
111	Tandem Nitrogen Functionalization of Porous Carbon: Toward Immobilizing Highly Active Palladium Nanoclusters for Dehydrogenation of Formic Acid. ACS Catalysis, 2017, 7, 2720-2724.	5.5	175
112	Pore surface engineering of metalâ€"organic frameworks for heterogeneous catalysis. Coordination Chemistry Reviews, 2018, 376, 248-276.	9.5	174
113	Metalâ€Organic Frameworkâ€Derived Carbons for Battery Applications. Advanced Energy Materials, 2018, 8, 1800716.	10.2	174
114	Hierarchical Cobalt Phosphide Hollow Nanocages toward Electrocatalytic Ammonia Synthesis under Ambient Pressure and Room Temperature. Small Methods, 2018, 2, 1800204.	4.6	171
115	Preparation and catalysis of poly(N-vinyl-2-pyrrolidone) (PVP) stabilized nickel catalyst for hydrolytic dehydrogenation of ammonia borane. International Journal of Hydrogen Energy, 2009, 34, 3816-3822.	3.8	170
116	Magnetically Recyclable Fe@Pt Coreâ^'Shell Nanoparticles and Their Use as Electrocatalysts for Ammonia Borane Oxidation: The Role of Crystallinity of the Core. Journal of the American Chemical Society, 2009, 131, 2778-2779.	6.6	170
117	Synthesis of open-ended MoS2 nanotubes and the application as the catalyst of methanation. Chemical Communications, 2002, , 1722-1723.	2.2	168
118	Diamine-Alkalized Reduced Graphene Oxide: Immobilization of Sub-2 nm Palladium Nanoparticles and Optimization of Catalytic Activity for Dehydrogenation of Formic Acid. ACS Catalysis, 2015, 5, 5141-5144.	5.5	166
119	Quasi-MOF: Exposing Inorganic Nodes to Guest Metal Nanoparticles for Drastically Enhanced Catalytic Activity. CheM, 2018, 4, 845-856.	5.8	165
120	Metalâ€"Organic Frameworks and Their Composites: Synthesis and Electrochemical Applications. Small Methods, 2017, 1, 1700187.	4.6	163
121	Dietary fructose-induced gut dysbiosis promotes mouse hippocampal neuroinflammation: a benefit of short-chain fatty acids. Microbiome, 2019, 7, 98.	4.9	162
122	Metalâ€"Organic Frameworks for Energy. Advanced Energy Materials, 2019, 9, 1801307.	10.2	160
123	Multifunctional Microporous MOFs Exhibiting Gas/Hydrocarbon Adsorption Selectivity, Separation Capability and Threeâ€Dimensional Magnetic Ordering. Advanced Functional Materials, 2008, 18, 2205-2214.	7.8	159
124	Highly Dispersed Surfactantâ€Free Nickel Nanoparticles and Their Remarkable Catalytic Activity in the Hydrolysis of Ammonia Borane for Hydrogen Generation. Angewandte Chemie - International Edition, 2012, 51, 6753-6756.	7.2	159
125	Fast Dehydrogenation of Formic Acid over Palladium Nanoparticles Immobilized in Nitrogen-Doped Hierarchically Porous Carbon. ACS Catalysis, 2018, 8, 12041-12045.	5.5	158
126	One-pot tandem catalysis over Pd@MIL-101: boosting the efficiency of nitro compound hydrogenation by coupling with ammonia borane dehydrogenation. Chemical Communications, 2015, 51, 10419-10422.	2.2	157

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127	Magnetically recyclable Feâ€"Ni alloy catalyzed dehydrogenation of ammonia borane in aqueous solution under ambient atmosphere. Journal of Power Sources, 2009, 194, 478-481.	4.0	156
128	Room-temperature synthesis of bimetallic Coâ€"Zn based zeolitic imidazolate frameworks in water for enhanced CO₂ and H₂ uptakes. Journal of Materials Chemistry A, 2016, 4, 14932-14938.	5.2	156
129	Bimetallic Niâˆ'Pt Nanocatalysts for Selective Decomposition of Hydrazine in Aqueous Solution to Hydrogen at Room Temperature for Chemical Hydrogen Storage. Inorganic Chemistry, 2010, 49, 6148-6152.	1.9	155
130	A Hydrangeaâ€Like Superstructure of Open Carbon Cages with Hierarchical Porosity and Highly Active Metal Sites. Advanced Materials, 2019, 31, e1904689.	11.1	155
131	A Series of (6,6)-Connected Porous Lanthanideâˆ'Organic Framework Enantiomers with High Thermostability and Exposed Metal Sites: Scalable Syntheses, Structures, and Sorption Properties. Inorganic Chemistry, 2010, 49, 10001-10006.	1.9	151
132	Fabricating Dualâ€Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. Angewandte Chemie - International Edition, 2020, 59, 16013-16022.	7.2	151
133	Palladium nanoparticles stabilized with N-doped porous carbons derived from metalâ€"organic frameworks for selective catalysis in biofuel upgrade: the role of catalyst wettability. Green Chemistry, 2016, 18, 1212-1217.	4.6	148
134	Bimetallic MOFâ€Derived FeCoâ€P/C Nanocomposites as Efficient Catalysts for Oxygen Evolution Reaction. Small Methods, 2018, 2, 1800214.	4.6	147
135	DNA Binding and Anti-Cancer Activity of Redox-Active Heteroleptic Piano-Stool Ru(II), Rh(III), and Ir(III) Complexes Containing 4-(2-Methoxypyridyl)phenyldipyrromethene. Inorganic Chemistry, 2013, 52, 3687-3698.	1.9	145
136	Oxidative DNA Strand Scission Induced by a Trinuclear Copper(II) Complex. Inorganic Chemistry, 2004, 43, 4761-4766.	1.9	143
137	Highly-thermostable metalâ€"organic frameworks (MOFs) of zinc and cadmium 4,4â€²-(hexafluoroisopropylidene)diphthalates with a unique fluorite topology. Chemical Communications, 2007, , 2467-2469.	2.2	143
138	Nickel-palladium nanoparticle catalyzed hydrogen generation from hydrous hydrazine for chemical hydrogen storage. International Journal of Hydrogen Energy, 2011, 36, 11794-11801.	3.8	143
139	DNA/Protein Binding, Molecular Docking, and in Vitro Anticancer Activity of Some Thioether-Dipyrrinato Complexes. Inorganic Chemistry, 2013, 52, 13984-13996.	1.9	142
140	Formic Acidâ€Based Liquid Organic Hydrogen Carrier System with Heterogeneous Catalysts. Advanced Sustainable Systems, 2018, 2, 1700161.	2.7	141
141	Singleâ€Atom Catalysts Derived from Metalâ€"Organic Frameworks for Electrochemical Applications. Small, 2021, 17, e2004809.	5.2	139
142	Hollow Niâ€"SiO2 nanosphere-catalyzed hydrolytic dehydrogenation of ammonia borane for chemical hydrogen storage. Journal of Power Sources, 2009, 191, 209-216.	4.0	138
143	Strong metalâ€"molecular support interaction (SMMSI): Amine-functionalized gold nanoparticles encapsulated in silica nanospheres highly active for catalytic decomposition of formic acid. Journal of Materials Chemistry, 2012, 22, 12582.	6.7	137
144	SHP2 inhibition triggers anti-tumor immunity and synergizes with PD-1 blockade. Acta Pharmaceutica Sinica B, 2019, 9, 304-315.	5.7	129

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145	A Roomâ€Temperature Molten Hydrate Electrolyte for Rechargeable Zincâ€“Air Batteries. Advanced Energy Materials, 2019, 9, 1900196.	10.2	128
146	Divergent Paths, Same Goal: A Pairâ€Electrosynthesis Tactic for Costâ€Efficient and Exclusive Formate Production by Metalâ€“Organicâ€Frameworkâ€Derived 2D Electrocatalysts. Advanced Materials, 2021, 33, e2008631.	11.1	128
147	Solvent-Induced Controllable Synthesis, Single-Crystal to Single-Crystal Transformation and Encapsulation of Alq3 for Modulated Luminescence in (4,8)-Connected Metalâ€“Organic Frameworks. Inorganic Chemistry, 2012, 51, 7484-7491.	1.9	127
148	Pd Nanocubes@ZIFâ€8: Integration of Plasmonâ€Driven Photothermal Conversion with a Metalâ€“Organic Framework for Efficient and Selective Catalysis. Angewandte Chemie, 2016, 128, 3749-3753.	1.6	124
149	High-extent dehydrogenation of hydrazine borane N2H4BH3 by hydrolysis of BH3 and decomposition of N2H4. Energy and Environmental Science, 2011, 4, 3355.	15.6	123
150	Modulated Preparation and Structural Diversification of ZnIIand CdIIMetalâˆ’Organic Frameworks with a Versatile Building Block 5-(4-Pyridyl)-1,3,4-oxadiazole-2-thiol. Inorganic Chemistry, 2006, 45, 5785-5792.	1.9	120
151	Highly efficient hydrogen generation from formic acid using a reduced graphene oxide-supported AuPd nanoparticle catalyst. Chemical Communications, 2016, 52, 4171-4174.	2.2	120
152	A Gasâ€Steamed MOF Route to Pâ€Doped Open Carbon Cages with Enhanced Znâ€Ion Energy Storage Capability and Ultrastability. Advanced Materials, 2021, 33, e2101698.	11.1	120
153	Surface Characterization of La2O3âˆ’TiO2and V2O5/La2O3âˆ’TiO2Catalysts. Journal of Physical Chemistry B, 2002, 106, 5695-5700.	1.2	119
154	Metalâ€“Organic Framework-Immobilized Polyhedral Metal Nanocrystals: Reduction at Solidâ€“Gas Interface, Metal Segregation, Coreâ€“Shell Structure, and High Catalytic Activity. Journal of the American Chemical Society, 2013, 135, 16356-16359.	6.6	119
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