Hai-Long Jiang

List of Publications by Year
in descending order

214 papers	50,849 citations	1238 110 h-index	1505 219 g-index
239 all docs	239 docs citations	239 times ranked	31080 citing authors

#	Article	IF	Citations
1	Carbon capture and conversion using metalâ€“organic frameworks and MOF-based materials. Chemical Society Reviews, 2019, 48, 2783-2828.	38.1	1,685
2	Zirconiumâ€Metalloporphyrin PCNâ€222: Mesoporous Metalâ€“Organic Frameworks with Ultrahigh Stability as Biomimetic Catalysts. Angewandte Chemie - International Edition, 2012, 51, 10307-10310.	13.8	1,555
3	Metalâ€“organic frameworks meet metal nanoparticles: synergistic effect for enhanced catalysis. Chemical Society Reviews, 2017, 46, 4774-4808.	38.1	1,519
4	Metalâ€“Organic Frameworks for Heterogeneous Basic Catalysis. Chemical Reviews, 2017, 117, 8129-8176.	47.7	1,230
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.	21.0	1,224
6	Metalâ€“Organic Frameworks as Platforms for Catalytic Applications. Advanced Materials, 2018, 30, e1703663.	21.0	1,210
7	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.	13.7	1,071
8	Visible-Light Photoreduction of CO₂ in a Metalâ€“Organic Framework: Boosting Electronâ€“Hole Separation via Electron Trap States. Journal of the American Chemical Society, 2015, 137, 13440-13443.	13.7	927
9	Construction of Ultrastable Porphyrin Zr Metalâ€“Organic Frameworks through Linker Elimination. Journal of the American Chemical Society, 2013, 135, 17105-17110.	13.7	880
10	Metalâ€“Organic Frameworks for Photocatalysis and Photothermal Catalysis. Accounts of Chemical Research, 2019, 52, 356-366.	15.6	880
11	Synergistic Catalysis of Au@Ag Coreâˆ’Shell Nanoparticles Stabilized on Metalâˆ’Organic Framework. Journal of the American Chemical Society, 2011, 133, 1304-1306.	13.7	858
12	Improving MOF stability: approaches and applications. Chemical Science, 2019, 10, 10209-10230.	7.4	855
13	Porous metalâ€“organic frameworks as platforms for functional applications. Chemical Communications, 2011, 47, 3351.	4.1	798
14	Au@ZIF-8: CO Oxidation over Gold Nanoparticles Deposited to Metalâˆ’Organic Framework. Journal of the American Chemical Society, 2009, 131, 11302-11303.	13.7	772
15	Metalâ€“organic framework-based CoP/reduced graphene oxide: high-performance bifunctional electrocatalyst for overall water splitting. Chemical Science, 2016, 7, 1690-1695.	7.4	745
16	Metalâ€“organic framework-derived porous materials for catalysis. Coordination Chemistry Reviews, 2018, 362, 1-23.	18.8	737
17	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.	13.7	725
18	From Metalâ€“Organic Frameworks to Singleâ€Atom Fe Implanted Nâ€doped Porous Carbons: Efficient Oxygen Reduction in Both Alkaline and Acidic Media. Angewandte Chemie - International Edition, 2018, 57, 8525-8529.	13.8	669

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19	An Exceptionally Stable, Porphyrinic Zr Metalâ€“Organic Framework Exhibiting pH-Dependent Fluorescence. Journal of the American Chemical Society, 2013, 135, 13934-13938.	13.7	646
20	Metalâ€“Organic Framework-Based Hierarchically Porous Materials: Synthesis and Applications. Chemical Reviews, 2021, 121, 12278-12326.	47.7	633
21	Metalâ€“organic frameworks: Structures and functional applications. Materials Today, 2019, 27, 43-68.	14.2	627
22	Metalâ€“organic framework (MOF) as a template for syntheses of nanoporous carbons as electrode materials for supercapacitor. Carbon, 2010, 48, 456-463.	10.3	621
23	Hollow Zn/Co ZIF Particles Derived from Coreâ€“Shell ZIFâ€67@ZIFâ€8 as Selective Catalyst for the Semiâ€Hydrogenation of Acetylene. Angewandte Chemie - International Edition, 2015, 54, 10889-10893.	13.8	619
24	Singlet Oxygen-Engaged Selective Photo-Oxidation over Pt Nanocrystals/Porphyrinic MOF: The Roles of Photothermal Effect and Pt Electronic State. Journal of the American Chemical Society, 2017, 139, 2035-2044.	13.7	616
25	Single Pt Atoms Confined into a Metalâ€“Organic Framework for Efficient Photocatalysis. Advanced Materials, 2018, 30, 1705112.	21.0	599
26	Non-, Micro-, and Mesoporous Metalâ^'Organic Framework Isomers: Reversible Transformation, Fluorescence Sensing, and Large Molecule Separation. Journal of the American Chemical Society, 2010, 132, 5586-5587.	13.7	588
27	Nanowire-Directed Templating Synthesis of Metalâ€“Organic Framework Nanofibers and Their Derived Porous Doped Carbon Nanofibers for Enhanced Electrocatalysis. Journal of the American Chemical Society, 2014, 136, 14385-14388.	13.7	584
28	Metal-Organic-Framework-Based Single-Atom Catalysts for Energy Applications. CheM, 2019, 5, 786-804.	11.7	555
29	Chemical Sensors Based on Metalâ€“Organic Frameworks. ChemPlusChem, 2016, 81, 675-690.	2.8	552
30	Boosting Photocatalytic Hydrogen Production of a Metalâ€“Organic Framework Decorated with Platinum Nanoparticles: The Platinum Location Matters. Angewandte Chemie - International Edition, 2016, 55, 9389-9393.	13.8	513
31	A Modulatorâ€Induced Defectâ€Formation Strategy to Hierarchically Porous Metalâ€“Organic Frameworks with High Stability. Angewandte Chemie - International Edition, 2017, 56, 563-567.	13.8	486
32	Interpenetration control in metalâ€“organic frameworks for functional applications. Coordination Chemistry Reviews, 2013, 257, 2232-2249.	18.8	478
33	Metalâ€“Organicâ€Frameworkâ€Derived Hollow Nâ€Doped Porous Carbon with Ultrahigh Concentrations of Single Zn Atoms for Efficient Carbon Dioxide Conversion. Angewandte Chemie - International Edition, 2019, 58, 3511-3515.	13.8	474
34	A Facile and General Coating Approach to Moisture/Water-Resistant Metalâ€“Organic Frameworks with Intact Porosity. Journal of the American Chemical Society, 2014, 136, 16978-16981.	13.7	445
35	Photocatalytic Hydrogen Production Coupled with Selective Benzylamine Oxidation over MOF Composites. Angewandte Chemie - International Edition, 2018, 57, 5379-5383.	13.8	430
36	Integration of Plasmonic Effects and Schottky Junctions into Metalâ€“Organic Framework Composites: Steering Charge Flow for Enhanced Visibleâ€Light Photocatalysis. Angewandte Chemie - International Edition, 2018, 57, 1103-1107.	13.8	429

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37	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.	13.8	426
38	Template-Directed Growth of Well-Aligned MOF Arrays and Derived Self-Supporting Electrodes for Water Splitting. CheM, 2017, 2, 791-802.	11.7	407
39	Self-adaptive dual-metal-site pairs in metal-organic frameworks for selective CO2 photoreduction to CH4. Nature Catalysis, 2021, 4, 719-729.	34.4	406
40	Regulating the Coordination Environment of MOFâ€Templated Singleâ€Atom Nickel Electrocatalysts for Boosting CO₂ Reduction. Angewandte Chemie - International Edition, 2020, 59, 2705-2709.	13.8	404
41	Photocatalytic CO2 reduction over metal-organic framework-based materials. Coordination Chemistry Reviews, 2020, 412, 213262.	18.8	401
42	A Stretchable Electronic Fabric Artificial Skin with Pressureâ€, Lateral Strainâ€, and Flexionâ€Sensitive Properties. Advanced Materials, 2016, 28, 722-728.	21.0	400
43	Liquidâ€Phase Chemical Hydrogen Storage: Catalytic Hydrogen Generation under Ambient Conditions. ChemSusChem, 2010, 3, 541-549.	6.8	396
44	Recent progress in synergistic catalysis over heterometallic nanoparticles. Journal of Materials Chemistry, 2011, 21, 13705.	6.7	395
45	Integration of an Inorganic Semiconductor with a Metalâ€“Organic Framework: A Platform for Enhanced Gaseous Photocatalytic Reactions. Advanced Materials, 2014, 26, 4783-4788.	21.0	380
46	Incorporation of Imidazolium-Based Poly(ionic liquid)s into a Metalâ€“Organic Framework for CO₂ Capture and Conversion. ACS Catalysis, 2018, 8, 3194-3201.	11.2	379
47	Controlled Intercalation and Chemical Exfoliation of Layered Metalâ€“Organic Frameworks Using a Chemically Labile Intercalating Agent. Journal of the American Chemical Society, 2017, 139, 9136-9139.	13.7	369
48	Porous Molybdenumâ€Based Hybrid Catalysts for Highly Efficient Hydrogen Evolution. Angewandte Chemie - International Edition, 2015, 54, 12928-12932.	13.8	368
49	Rational Fabrication of Lowâ€Coordinate Singleâ€Atom Ni Electrocatalysts by MOFs for Highly Selective CO₂ Reduction. Angewandte Chemie - International Edition, 2021, 60, 7607-7611.	13.8	368
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.	11.2	363
51	Pore Surface Engineering with Controlled Loadings of Functional Groups via Click Chemistry in Highly Stable Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2012, 134, 14690-14693.	13.7	351
52	Water-stable metalâ€“organic frameworks with intrinsic peroxidase-like catalytic activity as a colorimetric biosensing platform. Chemical Communications, 2014, 50, 1092-1094.	4.1	339
53	Regulating Photocatalysis by Spin-State Manipulation of Cobalt in Covalent Organic Frameworks. Journal of the American Chemical Society, 2020, 142, 16723-16731.	13.7	333
54	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.	21.0	321

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55	Photocatalytic Molecular Oxygen Activation by Regulating Excitonic Effects in Covalent Organic Frameworks. Journal of the American Chemical Society, 2020, 142, 20763-20771.	13.7	321
56	Nanocasting SiO2 into metalâ€“organic frameworks imparts dual protection to high-loading Fe single-atom electrocatalysts. Nature Communications, 2020, 11, 2831.	12.8	321
57	Switching on the Photocatalysis of Metalâ€“Organic Frameworks by Engineering Structural Defects. Angewandte Chemie - International Edition, 2019, 58, 12175-12179.	13.8	310
58	Turning on Visible-Light Photocatalytic Câˆ’H Oxidation over Metalâ€“Organic Frameworks by Introducing Metal-to-Cluster Charge Transfer. Journal of the American Chemical Society, 2019, 141, 19110-19117.	13.7	308
59	Non-Bonding Interaction of Neighboring Fe and Ni Single-Atom Pairs on MOF-Derived N-Doped Carbon for Enhanced CO₂ Electroreduction. Journal of the American Chemical Society, 2021, 143, 19417-19424.	13.7	305
60	Catalytic hydrolysis of ammonia borane for chemical hydrogen storage. Catalysis Today, 2011, 170, 56-63.	4.4	295
61	Metal-organic frameworks for catalysis: State of the art, challenges, and opportunities. EnergyChem, 2019, 1, 100005.	19.1	289
62	Carbon dioxide capture and conversion by an acid-base resistant metal-organic framework. Nature Communications, 2017, 8, 1233.	12.8	286
63	Unveiling Charge-Separation Dynamics in CdS/Metalâ€“Organic Framework Composites for Enhanced Photocatalysis. ACS Catalysis, 2018, 8, 11615-11621.	11.2	262
64	Polydimethylsiloxane Coating for a Palladium/MOF Composite: Highly Improved Catalytic Performance by Surface Hydrophobization. Angewandte Chemie - International Edition, 2016, 55, 7379-7383.	13.8	260
65	Rational synthesis of an exceptionally stable Zn(<scp>ii</scp>) metalâ€“organic framework for the highly selective and sensitive detection of picric acid. Chemical Communications, 2016, 52, 5734-5737.	4.1	253
66	Metalâ€“organic frameworks (MOFs) beyond crystallinity: amorphous MOFs, MOF liquids and MOF glasses. Journal of Materials Chemistry A, 2021, 9, 10562-10611.	10.3	250
67	Singleâ€Atom Electrocatalysts from Multivariate Metalâ€“Organic Frameworks for Highly Selective Reduction of CO₂ at Low Pressures. Angewandte Chemie - International Edition, 2020, 59, 20589-20595.	13.8	247
68	Direct evidence of charge separation in a metalâ€“organic framework: efficient and selective photocatalytic oxidative coupling of amines <i>via</i> charge and energy transfer. Chemical Science, 2018, 9, 3152-3158.	7.4	232
69	Modulating Coordination Environment of Single-Atom Catalysts and Their Proximity to Photosensitive Units for Boosting MOF Photocatalysis. Journal of the American Chemical Society, 2021, 143, 12220-12229.	13.7	219
70	Tiny Pd@Co Coreâ€“Shell Nanoparticles Confined inside a Metalâ€“Organic Framework for Highly Efficient Catalysis. Small, 2015, 11, 71-76.	10.0	215
71	[Ti₈Zr₂O₁₂(COO)₁₆] Cluster: An Ideal Inorganic Building Unit for Photoactive Metalâ€“Organic Frameworks. ACS Central Science, 2018, 4, 105-111.	11.3	204
72	From UV to Nearâ€Infrared Lightâ€Responsive Metalâ€“Organic Framework Composites: Plasmon and Upconversion Enhanced Photocatalysis. Advanced Materials, 2018, 30, e1707377.	21.0	200

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73	Exceptionally Robust In-Based Metalâ€“Organic Framework for Highly Efficient Carbon Dioxide Capture and Conversion. Inorganic Chemistry, 2016, 55, 3558-3565.	4.0	199
74	Metalâ€“Organic Frameworks Based on Previously Unknown Zr₈/Hf₈ Cubic Clusters. Inorganic Chemistry, 2013, 52, 12661-12667.	4.0	197
75	Bimetallic Auâ€“Ni Nanoparticles Embedded in SiO₂ Nanospheres: Synergetic Catalysis in Hydrolytic Dehydrogenation of Ammonia Borane. Chemistry - A European Journal, 2010, 16, 3132-3137.	3.3	196
76	Polar Group and Defect Engineering in a Metalâ€“Organic Framework: Synergistic Promotion of Carbon Dioxide Sorption and Conversion. ChemSusChem, 2015, 8, 878-885.	6.8	193
77	Conversion of a metalâ€“organic framework to N-doped porous carbon incorporating Co and CoO nanoparticles: direct oxidation of alcohols to esters. Chemical Communications, 2015, 51, 8292-8295.	4.1	191
78	Encapsulating a Co(II) Molecular Photocatalyst in Metalâ€“Organic Framework for Visible-Light-Driven H₂ Production: Boosting Catalytic Efficiency via Spatial Charge Separation. ACS Catalysis, 2016, 6, 5359-5365.	11.2	184
79	Boosting Photocatalytic Hydrogen Production of Porphyrinic MOFs: The Metal Location in Metalloporphyrin Matters. ACS Catalysis, 2018, 8, 4583-4590.	11.2	184
80	An amine-functionalized metalâ€“organic framework as a sensing platform for DNA detection. Chemical Communications, 2014, 50, 12069-12072.	4.1	178
81	Nano-sized metal-organic frameworks: Synthesis and applications. Coordination Chemistry Reviews, 2020, 417, 213366.	18.8	174
82	A MOF-derived Coâ€“CoO@N-doped porous carbon for efficient tandem catalysis: dehydrogenation of ammonia borane and hydrogenation of nitro compounds. Chemical Communications, 2016, 52, 7719-7722.	4.1	172
83	Microenvironment Modulation in Metalâ€“Organic Framework-Based Catalysis. Accounts of Materials Research, 2021, 2, 327-339.	11.7	171
84	Incorporating Transitionâ€Metal Phosphides Into Metalâ€Organic Frameworks for Enhanced Photocatalysis. Angewandte Chemie - International Edition, 2020, 59, 22749-22755.	13.8	166
85	Metalâ€“Organic Frameworks and Their Composites: Synthesis and Electrochemical Applications. Small Methods, 2017, 1, 1700187.	8.6	163
86	Interfacial Microenvironment Modulation Boosting Electron Transfer between Metal Nanoparticles and MOFs for Enhanced Photocatalysis. Angewandte Chemie - International Edition, 2021, 60, 16372-16376.	13.8	163
87	Porphyrinic Metalâ€“Organic Framework Catalyzed Heck-Reaction: Fluorescence â€œTurn-Onâ€• Sensing of Cu(II) Ion. Chemistry of Materials, 2016, 28, 6698-6704.	6.7	161
88	Hollow Metalâ€“Organic Framework Nanospheres via Emulsion-Based Interfacial Synthesis and Their Application in Size-Selective Catalysis. ACS Applied Materials & Interfaces, 2014, 6, 18163-18171.	8.0	159
89	Integration of metal-organic frameworks and covalent organic frameworks: Design, synthesis, and applications. Matter, 2021, 4, 2230-2265.	10.0	158
90	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.	4.1	157

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91	Structures and Properties of Functional Metal Selenites and Tellurites. Inorganic Chemistry, 2008, 47, 8498-8510.	4.0	155
92	Piezoâ€Photocatalysis over Metalâ€“Organic Frameworks: Promoting Photocatalytic Activity by Piezoelectric Effect. Advanced Materials, 2021, 33, e2106308.	21.0	154
93	Single-atom catalysts templated by metalâ€“organic frameworks for electrochemical nitrogen reduction. Journal of Materials Chemistry A, 2019, 7, 26371-26377.	10.3	152
94	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.	4.0	151
95	Boosting Catalysis of Pd Nanoparticles in MOFs by Pore Wall Engineering: The Roles of Electron Transfer and Adsorption Energy. Advanced Materials, 2020, 32, e2000041.	21.0	151
96	MILâ€101â€SO₃H: A Highly Efficient BrÃ¸nsted Acid Catalyst for Heterogeneous Alcoholysis of Epoxides under Ambient Conditions. Chemistry - A European Journal, 2014, 20, 14976-14980.	3.3	150
97	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.	9.0	148
98	Integration of Pd nanoparticles with engineered pore walls in MOFs for enhanced catalysis. CheM, 2021, 7, 686-698.	11.7	146
99	A metalâ€“organic framework-templated synthesis of Î³-Fe₂O₃ nanoparticles encapsulated in porous carbon for efficient and chemoselective hydrogenation of nitro compounds. Chemical Communications, 2016, 52, 4199-4202.	4.1	137
100	In situ large-scale construction of sulfur-functionalized metalâ€“organic framework and its efficient removal of Hg(<scp>ii</scp>) from water. Journal of Materials Chemistry A, 2016, 4, 15370-15374.	10.3	135
101	Alkylamineâ€Tethered Stable Metalâ€“Organic Framework for CO₂ Capture from Flue Gas. ChemSusChem, 2014, 7, 734-737.	6.8	131
102	Facile synthesis of graphene-supported Ni-CeOx nanocomposites as highly efficient catalysts for hydrolytic dehydrogenation of ammonia borane. Nano Research, 2018, 11, 4412-4422.	10.4	129
103	Boosting Electrocatalytic Hydrogen Evolution over Metalâ€“Organic Frameworks by Plasmonâ€Induced Hotâ€Electron Injection. Angewandte Chemie - International Edition, 2019, 58, 10713-10717.	13.8	129
104	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.	4.0	127
105	Precise fabrication of single-atom alloy co-catalyst with optimal charge state for enhanced photocatalysis. National Science Review, 2021, 8, nwaa224.	9.5	125
106	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.	2.0	124
107	Boosting Photocatalytic Hydrogen Production of a Metalâ€“Organic Framework Decorated with Platinum Nanoparticles: The Platinum Location Matters. Angewandte Chemie, 2016, 128, 9535-9539.	2.0	122
108	Porphyrinic Metalâ€“Organic Framework-Templated Feâ€“Niâ€“P/Reduced Graphene Oxide for Efficient Electrocatalytic Oxygen Evolution. ACS Applied Materials & Interfaces, 2017, 9, 23852-23858.	8.0	115

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109	Coating sponge with a hydrophobic porous coordination polymer containing a low-energy CF3-decorated surface for continuous pumping recovery of an oil spill from water. NPG Asia Materials, 2016, 8, e253-e253.	7.9	114
110	Regulating the Coordination Environment of MOFâ€Templated Singleâ€Atom Nickel Electrocatalysts for Boosting CO₂ Reduction. Angewandte Chemie, 2020, 132, 2727-2731.	2.0	110
111	A one-pot protocol for synthesis of non-noble metal-based coreâ€“shell nanoparticles under ambient conditions: toward highly active and cost-effective catalysts for hydrolytic dehydrogenation of NH3BH3. Chemical Communications, 2011, 47, 10999.	4.1	107
112	Encapsulating soluble active species into hollow crystalline porous capsules beyond integration of homogeneous and heterogeneous catalysis. National Science Review, 2020, 7, 37-45.	9.5	106
113	Seed-Mediated Synthesis of Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2016, 138, 5316-5320.	13.7	104
114	From Metalâ€“Organic Frameworks to Singleâ€Atom Fe Implanted Nâ€doped Porous Carbons: Efficient Oxygen Reduction in Both Alkaline and Acidic Media. Angewandte Chemie, 2018, 130, 8661-8665.	2.0	104
115	Explorations of New Types of Secondâ€Order Nonlinear Optical Materials in Cd(Zn)â€V^Vâ€Te^{IV}â€O Systems. Chemistry - A European Journal, 2008, 14, 1972-1981.	3.3	103
116	Photocatalytic Hydrogen Production Coupled with Selective Benzylamine Oxidation over MOF Composites. Angewandte Chemie, 2018, 130, 5477-5481.	2.0	103
117	Location determination of metal nanoparticles relative to a metal-organic framework. Nature Communications, 2019, 10, 3462.	12.8	99
118	Ultrafine Gold Clusters Incorporated into a Metalâ€“Organic Framework. Chemistry - A European Journal, 2011, 17, 78-81.	3.3	97
119	A Modulatorâ€Induced Defectâ€Formation Strategy to Hierarchically Porous Metalâ€“Organic Frameworks with High Stability. Angewandte Chemie, 2017, 129, 578-582.	2.0	96
120	Metalâ€“Organic Frameworkâ€Derived FeCoâ€Nâ€Doped Hollow Porous Carbon Nanocubes for Electrocatalysis in Acidic and Alkaline Media. ChemSusChem, 2017, 10, 3019-3024.	6.8	96
121	Low-cost CuNi@MIL-101 as an excellent catalyst toward cascade reaction: integration of ammonia borane dehydrogenation with nitroarene hydrogenation. Chemical Communications, 2017, 53, 12361-12364.	4.1	92
122	Metalâ€“Organic Frameworkâ€Templated Catalyst: Synergy in Multiple Sites for Catalytic CO₂ Fixation. ChemSusChem, 2017, 10, 1898-1903.	6.8	91
123	Metalâ€“Organic Frameworkâ€Based Electrocatalysts for CO₂ Reduction. Small Structures, 2022, 3, 2100090.	12.0	90
124	Charge Separation by Creating Band Bending in Metalâ€“Organic Frameworks for Improved Photocatalytic Hydrogen Evolution. Angewandte Chemie - International Edition, 2022, 61, e202204108.	13.8	90
125	Lightâ€Assisted CO₂ Hydrogenation over Pd₃Cu@UiOâ€66 Promoted by Active Sites in Close Proximity. Angewandte Chemie - International Edition, 2022, 61, .	13.8	89
126	Rational Assembly of d¹⁰ Metalâˆ'Organic Frameworks with Helical Nanochannels Based on Flexible V-Shaped Ligand. Crystal Growth and Design, 2010, 10, 806-811.	3.0	88

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127	Sodiumâ€Doped C₃N₄/MOF Heterojunction Composites with Tunable Band Structures for Photocatalysis: Interplay between Light Harvesting and Electron Transfer. Chemistry - A European Journal, 2018, 24, 18403-18407.	3.3	85
128	Metalâ€“Organicâ€Frameworkâ€Derived Hollow Nâ€Doped Porous Carbon with Ultrahigh Concentrations of Single Zn Atoms for Efficient Carbon Dioxide Conversion. Angewandte Chemie, 2019, 131, 3549-3553.	2.0	84
129	A Route to Metalâ€“Organic Frameworks through Framework Templating. Inorganic Chemistry, 2013, 52, 1164-1166.	4.0	83
130	Synergistic catalysis of Au-Co@SiO2 nanospheres in hydrolytic dehydrogenation of ammonia borane for chemical hydrogen storage. Journal of Materials Chemistry, 2012, 22, 5065.	6.7	82
131	Accelerating Chemo- and Regioselective Hydrogenation of Alkynes over Bimetallic Nanoparticles in a Metalâ€“Organic Framework. ACS Catalysis, 2020, 10, 7753-7762.	11.2	80
132	A General Strategy to Immobilize Singleâ€Atom Catalysts in Metalâ€“Organic Frameworks for Enhanced Photocatalysis. Advanced Materials, 2022, 34, e2109203.	21.0	80
133	Precisely Controlled Porous Alumina Overcoating on Pd Catalyst by Atomic Layer Deposition: Enhanced Selectivity and Durability in Hydrogenation of 1,3-Butadiene. ACS Catalysis, 2015, 5, 2735-2739.	11.2	79
134	Metalâ€“Organic Frameworkâ€Templated Porous Carbon for Highly Efficient Catalysis: The Critical Role of Pyrrolic Nitrogen Species. Chemistry - A European Journal, 2016, 22, 3470-3477.	3.3	79
135	One-step synthesis of magnetically recyclable Au/Co/Fe triple-layered core-shell nanoparticles as highly efficient catalysts for the hydrolytic dehydrogenation of ammonia borane. Nano Research, 2011, 4, 1233-1241.	10.4	77
136	Conversion of bimetallic MOF to Ru-doped Cu electrocatalysts for efficient hydrogen evolution in alkaline media. Science Bulletin, 2021, 66, 257-264.	9.0	76
137	Thermally Stable Metal-Organic Framework-Templated Synthesis of Hierarchically Porous Metal Sulfides: Enhanced Photocatalytic Hydrogen Production. Small, 2017, 13, 1700632.	10.0	73
138	A noble-metal-free nanocatalyst for highly efficient and complete hydrogen evolution from N₂H₄BH₃. Journal of Materials Chemistry A, 2018, 6, 4386-4393.	10.3	73
139	Polydimethylsiloxane Coating for a Palladium/MOF Composite: Highly Improved Catalytic Performance by Surface Hydrophobization. Angewandte Chemie, 2016, 128, 7505-7509.	2.0	72
140	Improving Water Stability of Metalâ€“Organic Frameworks by a General Surface Hydrophobic Polymerization. CCS Chemistry, 2021, 3, 2740-2748.	7.8	72
141	Boosting selective oxidation of cyclohexane over a metalâ€“organic framework by hydrophobicity engineering of pore walls. Chemical Communications, 2017, 53, 10026-10029.	4.1	71
142	Tailorâ€Made Metalâ€“Organic Frameworks from Functionalized Molecular Building Blocks and Lengthâ€Adjustable Organic Linkers by Stepwise Synthesis. Chemistry - A European Journal, 2012, 18, 8076-8083.	3.3	69
143	Optimization of ultrasonic cell grinder extraction of anthocyanins from blueberry using response surface methodology. Ultrasonics Sonochemistry, 2017, 34, 325-331.	8.2	69
144	CsB₃GeO₇and K₂B₂Ge₃O₁₀: Explorations of New Second-Order Nonlinear Optical Materials in the Borogermanate Systems. Inorganic Chemistry, 2008, 47, 10611-10617.	4.0	68

#	Article	IF	Citations
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