

# Weina Zhang

## List of Publications by Year in descending order

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160  
papers

14,776  
citations

17405

63  
h-index

18606

119  
g-index

162  
all docs

162  
docs citations

162  
times ranked

19664  
citing authors

#	ARTICLE	IF	CITATIONS
1	Imparting functionality to a metal-organic framework material by controlled nanoparticle encapsulation. <i>Nature Chemistry</i> , 2012, 4, 310-316.	6.6	1,857
2	Smart responsive phosphorescent materials for data recording and security protection. <i>Nature Communications</i> , 2014, 5, 3601.	5.8	694
3	Colour-tunable ultra-long organic phosphorescence of a single-component molecular crystal. <i>Nature Photonics</i> , 2019, 13, 406-411.	15.6	579
4	Microstructured Graphene Arrays for Highly Sensitive Flexible Tactile Sensors. <i>Small</i> , 2014, 10, 3625-3631.	5.2	540
5	Polymer Pen Lithography. <i>Science</i> , 2008, 321, 1658-1660.	6.0	501
6	Metal-organic framework composites: from fundamentals to applications. <i>Nanoscale</i> , 2015, 7, 7482-7501.	2.8	410
7	A Family of Metal-Organic Frameworks Exhibiting Size-Selective Catalysis with Encapsulated Noble-Metal Nanoparticles. <i>Advanced Materials</i> , 2014, 26, 4056-4060.	11.1	396
8	Asymmetric Functionalization of Gold Nanoparticles with Oligonucleotides. <i>Journal of the American Chemical Society</i> , 2006, 128, 9286-9287.	6.6	326
9	Recent advances in understanding of the mechanism and control of $\text{Li}^{2+}$ formation in aprotic $\text{Li}^{2+}$ batteries. <i>Chemical Society Reviews</i> , 2017, 46, 6046-6072.	18.7	314
10	Three-Layer Composite Magnetic Nanoparticle Probes for DNA. <i>Journal of the American Chemical Society</i> , 2005, 127, 15362-15363.	6.6	289
11	Multi-shelled Hollow Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5512-5516.	7.2	280
12	Cellulose Nanofiber @ Conductive Metal-Organic Frameworks for High-Performance Flexible Supercapacitors. <i>ACS Nano</i> , 2019, 13, 9578-9586.	7.3	227
13	Mesoporous Metal-Organic Frameworks with Size-, Shape-, and Space-Distribution-Controlled Pore Structure. <i>Advanced Materials</i> , 2015, 27, 2923-2929.	11.1	217
14	Engineering ZIF-8 Thin Films for Hybrid MOF-Based Devices. <i>Advanced Materials</i> , 2012, 24, 3970-3974.	11.1	213
15	Designable Yolk-Shell Nanoparticle@MOF Petalous Heterostructures. <i>Chemistry of Materials</i> , 2014, 26, 1119-1125.	3.2	207
16	Halide Anions as Shape-Directing Agents for Obtaining High-Quality Anisotropic Gold Nanostructures. <i>Chemistry of Materials</i> , 2013, 25, 1392-1399.	3.2	181
17	Regulating the spatial distribution of metal nanoparticles within metal-organic frameworks to enhance catalytic efficiency. <i>Nature Communications</i> , 2017, 8, 14429.	5.8	179
18	MOF-directed templating synthesis of a porous multicomponent dodecahedron with hollow interiors for enhanced lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8483-8488.	5.2	178

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19	Molecular printing. <i>Nature Chemistry</i> , 2009, 1, 353-358.	6.6	170
20	Coating Two-Dimensional Nanomaterials with Metal-Organic Frameworks. <i>ACS Nano</i> , 2014, 8, 8695-8701.	7.3	168
21	Highly Stretchable and Transparent Thermistor Based on Self-Healing Double Network Hydrogel. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 19097-19105.	4.0	168
22	Beam pen lithography. <i>Nature Nanotechnology</i> , 2010, 5, 637-640.	15.6	165
23	Stable Quantum Dot Photoelectrolysis Cell for Unassisted Visible Light Solar Water Splitting. <i>ACS Nano</i> , 2014, 8, 10403-10413.	7.3	162
24	Submonolayered Ru Deposited on Ultrathin Pd Nanosheets used for Enhanced Catalytic Applications. <i>Advanced Materials</i> , 2016, 28, 10282-10286.	11.1	148
25	Conductive MOF-Modified Separator for Mitigating the Shuttle Effect of Lithium-Sulfur Battery through a Filtration Method. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 11459-11465.	4.0	141
26	Selenium-Containing Polymer@Metal-Organic Frameworks Nanocomposites as an Efficient Multiresponsive Drug Delivery System. <i>Advanced Functional Materials</i> , 2017, 27, 1605465.	7.8	139
27	Scanning probe block copolymer lithography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 20202-20206.	3.3	131
28	Programmable Logic in Metal-Organic Frameworks for Catalysis. <i>Advanced Materials</i> , 2021, 33, e2007442.	11.1	129
29	Designing MOFs-Derived FeS <sub>2</sub> @Carbon Composites for High-Rate Sodium Ion Storage with Capacitive Contributions. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 33097-33104.	4.0	126
30	Synthesis and Self-Assembly of Monodispersed Metal-Organic Framework Microcrystals. <i>Chemistry - an Asian Journal</i> , 2013, 8, 69-72.	1.7	121
31	Repurposed Leather with Sensing Capabilities for Multifunctional Electronic Skin. <i>Advanced Science</i> , 2019, 6, 1801283.	5.6	119
32	Surface Functionalization of Black Phosphorus via Potassium toward High-Performance Complementary Devices. <i>Nano Letters</i> , 2017, 17, 4122-4129.	4.5	117
33	Ultrathin MnO <sub>2</sub> nanoflakes as efficient catalysts for oxygen reduction reaction. <i>Chemical Communications</i> , 2014, 50, 7885.	2.2	113
34	Multiplexed Protein Arrays Enabled by Polymer Pen Lithography: Addressing the Inking Challenge. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7626-7629.	7.2	111
35	Approaching a stable, green twisted heteroacene through a "clean reaction" strategy. <i>Chemical Communications</i> , 2012, 48, 5974.	2.2	110
36	Growth of Quasi-Free-Standing Single-Layer Blue Phosphorus on Tellurium Monolayer Functionalized Au(111). <i>ACS Nano</i> , 2017, 11, 4943-4949.	7.3	109

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37	Freestanding graphene paper decorated with 2D-assembly of Au@Pt nanoparticles as flexible biosensors to monitor live cell secretion of nitric oxide. <i>Biosensors and Bioelectronics</i> , 2013, 49, 71-78.	5.3	108
38	On-Wire Lithography-Generated Molecule-Based Transport Junctions: A New Testbed for Molecular Electronics. <i>Journal of the American Chemical Society</i> , 2008, 130, 8166-8168.	6.6	104
39	CuO/Cu <sub>2</sub> O porous composites: shape and composition controllable fabrication inherited from metal organic frameworks and further application in CO oxidation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5294-5298.	5.2	100
40	Metal-Organic Frameworks as Promising Photosensitizers for Photoelectrochemical Water Splitting. <i>Advanced Science</i> , 2016, 3, 1500243.	5.6	100
41	Stretchable Conductive Fibers Based on a Cracking Control Strategy for Wearable Electronics. <i>Advanced Functional Materials</i> , 2018, 28, 1801683.	7.8	100
42	Multiple Active Sites of Carbon for High-Rate Surface-Capacitive Sodium-Ion Storage. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13584-13589.	7.2	98
43	Interweaving metal-organic framework-templated Co-Ni layered double hydroxide nanocages with nanocellulose and carbon nanotubes to make flexible and foldable electrodes for energy storage devices. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24050-24057.	5.2	95
44	Effect of oxygen adsorbability on the control of Li <sub>2</sub> O <sub>2</sub> growth in Li-O <sub>2</sub> batteries: Implications for cathode catalyst design. <i>Nano Energy</i> , 2017, 36, 68-75.	8.2	93
45	The Role of Defects in Metal-Organic Frameworks for Nitrogen Reduction Reaction: When Defects Switch to Features. <i>Advanced Functional Materials</i> , 2021, 31, 2010052.	7.8	92
46	Sn Nanoparticles Encapsulated in 3D Nanoporous Carbon Derived from a Metal-Organic Framework for Anode Material in Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 17172-17177.	4.0	89
47	Construction of Hierarchically Porous Nanoparticles@Metal-Organic Frameworks Composites by Inherent Defects for the Enhancement of Catalytic Efficiency. <i>Advanced Materials</i> , 2018, 30, e1803263.	11.1	88
48	Microenvironment of MOF Channel Coordination with Pt NPs for Selective Hydrogenation of Unsaturated Aldehydes. <i>ACS Catalysis</i> , 2020, 10, 5805-5813.	5.5	88
49	Paving Metal-Organic Frameworks with Upconversion Nanoparticles via Self-Assembly. <i>Journal of the American Chemical Society</i> , 2018, 140, 15507-15515.	6.6	85
50	Dual-component Li <sub>x</sub> TiO <sub>2</sub> @silica functional coating in one layer for performance enhanced LiNi <sub>0.6</sub> Co <sub>0.2</sub> Mn <sub>0.2</sub> O <sub>2</sub> cathode. <i>Nano Energy</i> , 2019, 58, 673-679.	8.2	84
51	Designing Li-protective layer via SOCl <sub>2</sub> additive for stabilizing lithium-sulfur battery. <i>Energy Storage Materials</i> , 2019, 18, 222-228.	9.5	84
52	Chemically Functionalized Surface Patterning. <i>Small</i> , 2011, 7, 2273-2289.	5.2	83
53	Metal-organic framework-based porous matrix membranes for improving mass transfer in forward osmosis membranes. <i>Journal of Membrane Science</i> , 2015, 492, 392-399.	4.1	80
54	Matrix-Assisted Dip-Pen Nanolithography and Polymer Pen Lithography. <i>Small</i> , 2010, 6, 1077-1081.	5.2	79

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55	Self-Assembled Metal-Organic Framework Crystals for Chemical Vapor Sensing. <i>Small</i> , 2014, 10, 3672-3676.	5.2	77
56	SnSe <sub>2</sub> Nanoparticles Chemically Embedded in a Carbon Shell for High-Rate Sodium-Ion Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 2346-2353.	4.0	77
57	Nanoparticles@nanoscale metal-organic framework composites as highly efficient heterogeneous catalysts for size- and shape-selective reactions. <i>Nano Research</i> , 2017, 10, 3826-3835.	5.8	76
58	Alcohol-Mediated Resistance-Switching Behavior in Metal-Organic Framework-Based Electronic Devices. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8884-8888.	7.2	72
59	Well-Dispersed and Size-Controlled Supported Metal Oxide Nanoparticles Derived from MOF Composites and Further Application in Catalysis. <i>Small</i> , 2015, 11, 3130-3134.	5.2	70
60	Fabrication of Porous Matrix Membrane (PMM) Using Metal-Organic Framework as Green Template for Water Treatment. <i>Scientific Reports</i> , 2014, 4, 3740.	1.6	70
61	Emerging porous nanosheets: From fundamental synthesis to promising applications. <i>Nano Research</i> , 2021, 14, 1-28.	5.8	69
62	Rewritable Multilevel Memory Performance of a Tetraazatetracene Donor-Acceptor Derivative with Good Endurance. <i>Chemistry - an Asian Journal</i> , 2015, 10, 116-119.	1.7	65
63	Controlled Encapsulation of Functional Organic Molecules within Metal-Organic Frameworks: In Situ Crystalline Structure Transformation. <i>Advanced Materials</i> , 2017, 29, 1606290.	11.1	65
64	Site-Selective Catalysis of a Multifunctional Linear Molecule: The Steric Hindrance of Metal-Organic Framework Channels. <i>Advanced Materials</i> , 2018, 30, e1800643.	11.1	62
65	Synthesis of porous CoMoO <sub>4</sub> nanorods as a bifunctional cathode catalyst for a Li-O <sub>2</sub> battery and superior anode for a Li-ion battery. <i>Nanoscale</i> , 2017, 9, 3898-3904.	2.8	60
66	Compartmentalization within Self-Assembled Metal-Organic Framework Nanoparticles for Tandem Reactions. <i>Advanced Functional Materials</i> , 2018, 28, 1802479.	7.8	55
67	Rational design of multi-functional CoS@rGO composite for performance enhanced Li-S cathode. <i>Journal of Power Sources</i> , 2019, 421, 132-138.	4.0	54
68	Metal-Organic Framework Derivatives for Improving the Catalytic Activity of the CO Oxidation Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 15394-15398.	4.0	53
69	Crystal-Growth-Dominated Fabrication of Metal-Organic Frameworks with Orderly Distributed Hierarchical Porosity. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2457-2464.	7.2	53
70	Fabrication of Flexible Transparent Electrode with Enhanced Conductivity from Hierarchical Metal Grids. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 39110-39115.	4.0	52
71	Metal-Organic Frameworks as Metal Ion Precursors for the Synthesis of Nanocomposites for Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4763-4769.	7.2	52
72	Hollow Ni-CoSe <sub>2</sub> Embedded in Nitrogen-Doped Carbon Nanocomposites Derived from Metal-Organic Frameworks for High-Rate Anodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 38845-38852.	4.0	51

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73	High-Precision Size Recognition and Separation in Synthetic 1D Nanochannels. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15922-15927.	7.2	50
74	Selective Growth of a Discontinuous Subnanometer Pd Film on Carbon Defects for Li <sub>2</sub> O Batteries. <i>ACS Energy Letters</i> , 2019, 4, 2782-2786.	8.8	50
75	Unconventional Nucleation and Oriented Growth of ZIF-8 Crystals on Non-Polar Surface. <i>Advanced Materials</i> , 2012, 24, 5954-5958.	11.1	46
76	Free-standing one-dimensional plasmonic nanostructures. <i>Nanoscale</i> , 2012, 4, 66-75.	2.8	46
77	Synthesis of stable heterogeneous catalysts by supporting carbon-stabilized palladium nanoparticles on MOFs. <i>Nanoscale</i> , 2015, 7, 8720-8724.	2.8	46
78	Multi-shelled Hollow Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2017, 129, 5604-5608.	1.6	45
79	Ultrathin 2D Cu-porphyrin MOF nanosheets as a heterogeneous catalyst for styrene oxidation. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1580-1585.	3.2	45
80	Catalyst surfaces with tunable hydrophilicity and hydrophobicity: metal-organic frameworks toward controllable catalytic selectivity. <i>Chemical Communications</i> , 2018, 54, 3936-3939.	2.2	43
81	Investigation into Self-Assembled Monolayers of a Polyether Dendron Thiol: Adsorption, Kinetics, and Patterned Surface. <i>Langmuir</i> , 2000, 16, 3813-3817.	1.6	42
82	Hydrogen-bonding based multilayer assemblies by self-deposition of dendrimer. <i>Chemical Communications</i> , 2003, , 874-875.	2.2	41
83	Synthesis and characterization of silica gel-polyacrylonitrile mixed matrix forward osmosis membranes based on layer-by-layer assembly. <i>Separation and Purification Technology</i> , 2014, 124, 207-216.	3.9	40
84	Colorimetric Assay for Heterogeneous-Catalyzed Lipase Activity: Enzyme-Regulated Gold Nanoparticle Aggregation. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 39-42.	2.4	40
85	Encapsulation of metal layers within metal-organic frameworks as hybrid thin films for selective catalysis. <i>Nano Research</i> , 2016, 9, 158-164.	5.8	40
86	Multicomponent metal-organic framework derivatives for optimizing the selective catalytic performance of styrene epoxidation reaction. <i>Nanoscale</i> , 2018, 10, 8772-8778.	2.8	40
87	In situ synthesis of large-area single sub-10 nm nanoparticle arrays by polymer pen lithography. <i>Nanoscale</i> , 2014, 6, 749-752.	2.8	39
88	Wearable Leather-Based Electronics for Respiration Monitoring. <i>ACS Applied Bio Materials</i> , 2019, 2, 1427-1431.	2.3	39
89	Controlled incorporation of nanoparticles in metal-organic framework hybrid thin films. <i>Chemical Communications</i> , 2014, 50, 4296.	2.2	38
90	Leather-Based Strain Sensor with Hierarchical Structure for Motion Monitoring. <i>Advanced Materials Technologies</i> , 2019, 4, 1900442.	3.0	37

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91	Selenium-functionalized metal-organic frameworks as enzyme mimics. <i>Nano Research</i> , 2018, 11, 5761-5768.	5.8	35
92	Functional Macro- $\mu$ Microporous Metal-Organic Frameworks for Improving the Catalytic Performance. <i>Small Methods</i> , 2019, 3, 1800547.	4.6	35
93	Thermal Shrinkage Behavior of Metal-Organic Frameworks. <i>Advanced Functional Materials</i> , 2020, 30, 2001389.	7.8	35
94	An electrochemical sensor for detecting triglyceride based on biomimetic polydopamine and gold nanocomposite. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8490-8495.	2.9	34
95	Hybrid Crystals Comprising Metal-Organic Frameworks and Functional Particles: Synthesis and Applications. <i>Small</i> , 2014, 10, 4371-4378.	5.2	34
96	A template-free method for stable CuO hollow microspheres fabricated from a metal organic framework (HKUST-1). <i>Nanoscale</i> , 2015, 7, 9411-9415.	2.8	33
97	Regulation of Cobalt-Nickel LDHs <sup>TM</sup> Structure and Components for Optimizing the Performance of an Electrochemical Sensor. <i>ACS Applied Nano Materials</i> , 2019, 2, 6387-6396.	2.4	33
98	Rational Synthesis and Regulation of Hollow Structural Materials for Electrocatalytic Nitrogen Reduction Reaction. <i>Advanced Science</i> , 2022, 9, e2104183.	5.6	33
99	Synthesis of MOFs and Their Composite Structures through Sacrificial-Template Strategy. <i>Crystal Growth and Design</i> , 2015, 15, 1017-1021.	1.4	31
100	Elucidating the Sole Contribution from Electromagnetic Near-Fields in Plasmon-Enhanced Cu <sub>2</sub> O Photocathodes. <i>Advanced Energy Materials</i> , 2016, 6, 1501250.	10.2	31
101	Hydrophilic nano-porous carbon derived from egg whites for highly efficient capacitive deionization. <i>Applied Surface Science</i> , 2020, 512, 145740.	3.1	31
102	Directed Self-Assembly of MOF-Derived Nanoparticles toward Hierarchical Structures for Enhanced Catalytic Activity in CO Oxidation. <i>Advanced Energy Materials</i> , 2019, 9, 1901754.	10.2	30
103	Modifiers versus Channels: Creating Shape-Selective Catalysis of Metal Nanoparticles/Porous Nanomaterials. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 976-982.	7.2	30
104	Interlayer-Expanded Metal Sulfides on Graphene Triggered by a Molecularly Self-Promoting Process for Enhanced Lithium Ion Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 40317-40323.	4.0	28
105	Co nanoparticles combined with nitrogen-doped graphitic carbon anchored on carbon fibers as a self-standing air electrode for flexible zinc-air batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7184-7191.	5.2	28
106	Encapsulating NiCo <sub>2</sub> O <sub>4</sub> inside metal-organic framework sandwiched graphene oxide 2D composite nanosheets for high-performance lithium-ion batteries. <i>Nanoscale</i> , 2019, 11, 15166-15172.	2.8	27
107	Engineering channels of metal-organic frameworks to enhance catalytic selectivity. <i>Chemical Communications</i> , 2019, 55, 11770-11773.	2.2	27
108	Encapsulation of Hydrophobic Guests within Metal-Organic Framework Capsules for Regulating Host-Guest Interaction. <i>Chemistry of Materials</i> , 2020, 32, 3553-3560.	3.2	27

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109	Facile synthesis of highly stable heterogeneous catalysts by entrapping metal nanoparticles within mesoporous carbon. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5847.	5.2	26
110	Skin Conformal and Antibacterial PPy@Leather Electrode for ECG Monitoring. <i>Advanced Electronic Materials</i> , 2020, 6, 2000259.	2.6	26
111	Exploring the Fundamental Roles of Functionalized Ligands in Platinum@Metal-Organic Framework Catalysts. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 52660-52667.	4.0	26
112	Self-assembled monolayers of new dendron-thiols: manipulation of the patterned surface and wetting properties. <i>Chemical Communications</i> , 2001, , 1906-1907.	2.2	24
113	Metal-organic framework derived leaf-like CoSNC nanocomposites for supercapacitor electrodes. <i>Nanoscale</i> , 2018, 10, 17958-17964.	2.8	23
114	In situ formation of new organic ligands to construct two novel self-charge-transfer Pb(ii)-based frameworks. <i>CrystEngComm</i> , 2012, 14, 75-78.	1.3	22
115	Parallel Near-Field Photolithography with Metal-Coated Elastomeric Masks. <i>Langmuir</i> , 2015, 31, 1210-1217.	1.6	21
116	Water-soluble metal nanoparticles stabilized by plant polyphenols for improving the catalytic properties in oxidation of alcohols. <i>Nanoscale</i> , 2016, 8, 1049-1054.	2.8	21
117	Metal-Organic Framework Wears a Protective Cover for Improved Stability. <i>Chemistry - A European Journal</i> , 2017, 23, 7663-7666.	1.7	21
118	Transitional MOFs: Exposing Metal Sites with Porosity for Enhancing Catalytic Reaction Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 23968-23975.	4.0	20
119	Alcohol-Mediated Resistance-Switching Behavior in Metal-Organic Framework-Based Electronic Devices. <i>Angewandte Chemie</i> , 2016, 128, 9030-9034.	1.6	19
120	Actuation of Self-Assembled Two-Component Rodlike Nanostructures. <i>Nano Letters</i> , 2008, 8, 4441-4445.	4.5	18
121	A plasmonic nanosensor for lipase activity based on enzyme-controlled gold nanoparticles growth in situ. <i>Nanoscale</i> , 2015, 7, 6039-6044.	2.8	18
122	Self-Assembled Monolayers of Novel Surface-Bound Dendrons: Peripheral Structure Determines Surface Organization. <i>Chemistry - A European Journal</i> , 2003, 9, 2331-2336.	1.7	16
123	3D-conductive pathway written on leather for highly sensitive and durable electronic whisker. <i>Journal of Materials Chemistry C</i> , 2020, 8, 9748-9754.	2.7	15
124	Vapor-Liquid-Solid Growth of Endotaxial Semiconductor Nanowires. <i>Nano Letters</i> , 2012, 12, 5565-5570.	4.5	14
125	Mesoporous Silica Gel-Based Mixed Matrix Membranes for Improving Mass Transfer in Forward Osmosis: Effect of Pore Size of Filler. <i>Scientific Reports</i> , 2015, 5, 16808.	1.6	14
126	Ruthenium-Functionalized Hierarchical Carbon Nanocages as Efficient Catalysts for $\text{O}_2$ Batteries. <i>ChemNanoMat</i> , 2017, 3, 415-419.	1.5	14



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127	Prediction Descriptor for Catalytic Activity of Platinum Nanoparticles/Metal-Organic Framework Composites. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 38325-38332.	4.0	14
128	Synthesis, Characterization, and Memory Performance of Two Phenazine/Triphenylamine-Based Organic Small Molecules through Donor-Acceptor Design. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 646-651.	1.3	13
129	Solving the Water Hypersensitive Challenge of Sulfated Solid Superacid in Acid-Catalyzed Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 9919-9924.	4.0	13
130	Fabrication of Two-Dimensional Metal-Organic Framework Nanosheets through Crystal Dissolution-Growth Kinetics. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 7192-7199.	4.0	13
131	Multifunctional Alumina Composites with Toughening and Crack-Healing Features Via Incorporation of NiAl Particles. <i>Journal of the American Ceramic Society</i> , 2015, 98, 1618-1625.	1.9	12
132	Binding Site Effect in Metal-Organic Frameworks for Property Regulation of Metal Nanoparticles. <i>Small Structures</i> , 2021, 2, 2000119.	6.9	12
133	The Encounter of Biomolecules in Metal-Organic Framework Micro/Nano Reactors. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 52215-52233.	4.0	12
134	Hybridization of Metal Nanoparticles with Metal-Organic Frameworks Using Protein as Amphiphilic Stabilizer. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 24649-24654.	4.0	11
135	Facile growth of a single-crystal pattern: a case study of HKUST-1. <i>Chemical Communications</i> , 2012, 48, 11901.	2.2	10
136	One stone kills four birds: a novel diazaperinone 12H-pyrazino[2,3-a]pyrrolo[1,2-a]perimidin-12-one recognizes four different metal ions. <i>Tetrahedron Letters</i> , 2012, 53, 6044-6047.	0.7	10
137	An in situ approach for facile fabrication of robust and scalable SERS substrates. <i>Nanoscale</i> , 2014, 6, 7232-7236.	2.8	10
138	The structural and catalytic properties of nanoparticles@MOF composites: A case study of Au@ZIF-8 hybrid crystals. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 69, 56-60.	1.3	10
139	Phase transition of metal-organic frameworks for the encapsulation of enzymes. <i>Journal of Materials Chemistry A</i> , 2022, 10, 19881-19892.	5.2	10
140	Centimeter-Scale Subwavelength Photolithography Using Metal-Coated Elastomeric Photomasks with Modulated Light Intensity at the Oblique Sidewalls. <i>Langmuir</i> , 2015, 31, 5005-5013.	1.6	9
141	Spatial compartmentalization of metal nanoparticles within metal-organic frameworks for tandem reaction. <i>Nano Research</i> , 2022, 15, 1178-1182.	5.8	9
142	Bottom-Up Assembly of Hydrophobic Nanocrystals and Graphene Nanosheets into Mesoporous Nanocomposites. <i>Langmuir</i> , 2014, 30, 4434-4440.	1.6	8
143	CNT@leather-based electronic bidirectional pressure sensor. <i>Science China Technological Sciences</i> , 2020, 63, 2137-2146.	2.0	8
144	Amorphous Chromium Oxide with Hollow Morphology for Nitrogen Electrochemical Reduction under Ambient Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 14474-14481.	4.0	8

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145	Multi-responsive luminescent coordination polymer nanosheets for selective detection of nitroaromatics. <i>Chemical Communications</i> , 2022, 58, 7809-7812.	2.2	8
146	Metal-Organic Frameworks as Metal Ion Precursors for the Synthesis of Nanocomposites for Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2020, 132, 4793-4799.	1.6	7
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