

Xiao Feng

List of Publications by Year in descending order

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178
papers

22,647
citations

8755

75
h-index

8630

146
g-index

194
all docs

194
docs citations

194
times ranked

22065
citing authors

#	ARTICLE	IF	CITATIONS
1	Covalent organic frameworks. <i>Chemical Society Reviews</i> , 2012, 41, 6010.	38.1	2,409
2	Metal-organic frameworks for energy storage: Batteries and supercapacitors. <i>Coordination Chemistry Reviews</i> , 2016, 307, 361-381.	18.8	1,098
3	Flexible Solid-State Supercapacitor Based on a Metal-Organic Framework Interwoven by Electrochemically-Deposited PANI. <i>Journal of the American Chemical Society</i> , 2015, 137, 4920-4923.	13.7	832
4	Exfoliation of Covalent Organic Frameworks into Few-Layer Redox-Active Nanosheets as Cathode Materials for Lithium-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2017, 139, 4258-4261.	13.7	775
5	Promoting nitrogen electroreduction to ammonia with bismuth nanocrystals and potassium cations in water. <i>Nature Catalysis</i> , 2019, 2, 448-456.	34.4	642
6	Bulk COFs and COF nanosheets for electrochemical energy storage and conversion. <i>Chemical Society Reviews</i> , 2020, 49, 3565-3604.	38.1	617
7	Preparation of Nanofibrous Metal-Organic Framework Filters for Efficient Air Pollution Control. <i>Journal of the American Chemical Society</i> , 2016, 138, 5785-5788.	13.7	574
8	Metal-organic frameworks with photocatalytic bactericidal activity for integrated air cleaning. <i>Nature Communications</i> , 2019, 10, 2177.	12.8	476
9	Synthesis of Metallophthalocyanine Covalent Organic Frameworks That Exhibit High Carrier Mobility and Photoconductivity. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1289-1293.	13.8	462
10	A standard protocol for reporting species distribution models. <i>Ecography</i> , 2020, 43, 1261-1277.	4.5	397
11	Tuning the Luminescence of Metal-Organic Frameworks for Detection of Energetic Heterocyclic Compounds. <i>Journal of the American Chemical Society</i> , 2014, 136, 15485-15488.	13.7	390
12	Pore surface engineering in covalent organic frameworks. <i>Nature Communications</i> , 2011, 2, 536.	12.8	387
13	A 2D azine-linked covalent organic framework for gas storage applications. <i>Chemical Communications</i> , 2014, 50, 13825-13828.	4.1	351
14	A novel α -turn-on fluorescent chemosensor for the selective detection of Al ³⁺ based on aggregation-induced emission. <i>Chemical Communications</i> , 2012, 48, 416-418.	4.1	346
15	High-Rate Charge-Carrier Transport in Porphyrin Covalent Organic Frameworks: Switching from Hole to Electron to Ambipolar Conduction. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2618-2622.	13.8	344
16	An <i>n</i> -Channel Two-Dimensional Covalent Organic Framework. <i>Journal of the American Chemical Society</i> , 2011, 133, 14510-14513.	13.7	330
17	Three-Dimensional Anionic Cyclodextrin-Based Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16313-16317.	13.8	290
18	A Squaraine-Linked Mesoporous Covalent Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3770-3774.	13.8	287

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19	Challenges and recent advances in MOF-polymer composite membranes for gas separation. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 896-909.	6.0	278
20	Charge Dynamics in A Donor-Acceptor Covalent Organic Framework with Periodically Ordered Bicontinuous Heterojunctions. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2017-2021.	13.8	263
21	An Ambipolar Conducting Covalent Organic Framework with Self-Sorted and Periodic Electron Donor-Acceptor Ordering. <i>Advanced Materials</i> , 2012, 24, 3026-3031.	21.0	258
22	Roll-to-Roll Production of Metal-Organic Framework Coatings for Particulate Matter Removal. <i>Advanced Materials</i> , 2017, 29, 1606221.	21.0	252
23	Covalent organic frameworks: efficient, metal-free, heterogeneous organocatalysts for chemical fixation of CO ₂ under mild conditions. <i>Journal of Materials Chemistry A</i> , 2018, 6, 374-382.	10.3	238
24	Photoinduced Postsynthetic Polymerization of a Metal-Organic Framework toward a Flexible Stand-Alone Membrane. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4259-4263.	13.8	235
25	Fast Ion Transport Pathway Provided by Polyethylene Glycol Confined in Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 1923-1927.	13.7	217
26	Porphyrin-based two-dimensional covalent organic frameworks: synchronized synthetic control of macroscopic structures and pore parameters. <i>Chemical Communications</i> , 2011, 47, 1979.	4.1	215
27	Partitioning MOF-5 into Confined and Hydrophobic Compartments for Carbon Capture under Humid Conditions. <i>Journal of the American Chemical Society</i> , 2016, 138, 10100-10103.	13.7	214
28	Collinearity in ecological niche modeling: Confusions and challenges. <i>Ecology and Evolution</i> , 2019, 9, 10365-10376.	1.9	204
29	A Solvent-Free Hot-Pressing Method for Preparing Metal-Organic Framework Coatings. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3419-3423.	13.8	201
30	Fe/Ni Metal-Organic Frameworks and Their Binder-Free Thin Films for Efficient Oxygen Evolution with Low Overpotential. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 16736-16743.	8.0	198
31	An Azine-Linked Covalent Organic Framework: Synthesis, Characterization and Efficient Gas Storage. <i>Chemistry - A European Journal</i> , 2015, 21, 12079-12084.	3.3	197
32	Hydrophilicity gradient in covalent organic frameworks for membrane distillation. <i>Nature Materials</i> , 2021, 20, 1551-1558.	27.5	195
33	The commonness of rarity: Global and future distribution of rarity across land plants. <i>Science Advances</i> , 2019, 5, eaaz0414.	10.3	194
34	Covalent organic framework as an efficient, metal-free, heterogeneous photocatalyst for organic transformations under visible light. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 334-342.	20.2	192
35	Zn ²⁺ -Triggered Drug Release from Biocompatible Zirconium MOFs Equipped with Supramolecular Gates. <i>Small</i> , 2015, 11, 3807-3813.	10.0	178
36	Shaping of Metal-Organic Frameworks: From Fluid to Shaped Bodies and Robust Foams. <i>Journal of the American Chemical Society</i> , 2016, 138, 10810-10813.	13.7	178

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37	Covalent organic frameworks as metal-free heterogeneous photocatalysts for organic transformations. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22933-22938.	10.3	176
38	Water Contaminant Elimination Based on Metal-Organic Frameworks and Perspective on Their Industrial Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4548-4563.	6.7	165
39	Membrane adsorbers with ultrahigh metal-organic framework loading for high flux separations. <i>Nature Communications</i> , 2019, 10, 4204.	12.8	157
40	Metal-Organic Framework Membranes Encapsulating Gold Nanoparticles for Direct Plasmonic Photocatalytic Nitrogen Fixation. <i>Journal of the American Chemical Society</i> , 2021, 143, 5727-5736.	13.7	157
41	Metal-organic framework membranes with single-atomic centers for photocatalytic CO ₂ and O ₂ reduction. <i>Nature Communications</i> , 2021, 12, 2682.	12.8	154
42	A novel anode material derived from organic-coated ZIF-8 nanocomposites with high performance in lithium ion batteries. <i>Chemical Communications</i> , 2014, 50, 8057-8060.	4.1	151
43	Open Science principles for accelerating trait-based science across the Tree of Life. <i>Nature Ecology and Evolution</i> , 2020, 4, 294-303.	7.8	144
44	Metal-Triazolate Framework-Derived FeN ₄ Cl Single-Atom Catalysts with Hierarchical Porosity for the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 27324-27329.	13.8	142
45	Aggregation-Induced Emission Enhancement of Aryl-Substituted Pyrrole Derivatives. <i>Journal of Physical Chemistry B</i> , 2010, 114, 16731-16736.	2.6	139
46	Recent advances in AlEgen-based luminescent metal-organic frameworks and covalent organic frameworks. <i>Materials Chemistry Frontiers</i> , 2017, 1, 2474-2486.	5.9	136
47	Covalent organic frameworks as pH responsive signaling scaffolds. <i>Chemical Communications</i> , 2016, 52, 11088-11091.	4.1	135
48	A checklist for maximizing reproducibility of ecological niche models. <i>Nature Ecology and Evolution</i> , 2019, 3, 1382-1395.	7.8	134
49	Conducting metallophthalocyanine 2D covalent organic frameworks: the role of central metals in controlling π -electronic functions. <i>Chemical Communications</i> , 2012, 48, 8952.	4.1	133
50	Flexible Films of Covalent Organic Frameworks with Ultralow Dielectric Constants under High Humidity. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16501-16505.	13.8	128
51	Explosives in the Cage: Metal-Organic Frameworks for High-Energy Materials Sensing and Desensitization. <i>Advanced Materials</i> , 2017, 29, 1701898.	21.0	127
52	In Situ Growth of MOFs on the Surface of Si Nanoparticles for Highly Efficient Lithium Storage: Si@MOF Nanocomposites as Anode Materials for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 2178-2182.	8.0	124
53	Multivariate MOF-Templated Pomegranate-Like Ni/C as Efficient Bifunctional Electrocatalyst for Hydrogen Evolution and Urea Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 4750-4756.	8.0	123
54	Advanced functional polymer materials. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1803-1915.	5.9	117

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55	Water Purification: Adsorption over Metal-Organic Frameworks. <i>Chinese Journal of Chemistry</i> , 2016, 34, 175-185.	4.9	116
56	Reversible and hydrogen bonding-assisted piezochromic luminescence for solid-state tetraaryl-butane-1,3-diene. <i>Chemical Communications</i> , 2013, 49, 7049.	4.1	115
57	A highly sensitive, single selective, real-time and "turn-on" fluorescent sensor for Al ³⁺ detection in aqueous media. <i>Journal of Materials Chemistry</i> , 2012, 22, 19296.	6.7	110
58	Inorganic and organic hybrid solid electrolytes for lithium-ion batteries. <i>CrystEngComm</i> , 2016, 18, 4236-4258.	2.6	110
59	Ferrocene-Linkage-Facilitated Charge Separation in Conjugated Microporous Polymers. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4221-4226.	13.8	109
60	Metal-Organic Framework Templated Synthesis of Copper Azide as the Primary Explosive with Low Electrostatic Sensitivity and Excellent Initiation Ability. <i>Advanced Materials</i> , 2016, 28, 5837-5843.	21.0	108
61	Polyoxometallates trapped in a zeolitic imidazolate framework leading to high uptake and selectivity of bioactive molecules. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2168-2173.	10.3	102
62	A highly stable metal- and nitrogen-doped nanocomposite derived from Zn/Ni-ZIF-8 capable of CO ₂ capture and separation. <i>Chemical Communications</i> , 2014, 50, 6894.	4.1	101
63	A malonitrile-functionalized metal-organic framework for hydrogen sulfide detection and selective amino acid molecular recognition. <i>Scientific Reports</i> , 2014, 4, 4366.	3.3	100
64	Nickel-substituted zeolitic imidazolate frameworks for time-resolved alcohol sensing and photocatalysis under visible light. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5724-5729.	10.3	98
65	An Iron-Containing Metal-Organic Framework as a Highly Efficient Catalyst for Ozone Decomposition. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16416-16420.	13.8	97
66	An evaluation of transferability of ecological niche models. <i>Ecography</i> , 2019, 42, 521-534.	4.5	97
67	Facile Fabrication of Multifunctional Metal-Organic Framework Hollow Tubes To Trap Pollutants. <i>Journal of the American Chemical Society</i> , 2017, 139, 16482-16485.	13.7	96
68	Crystallinity and stability of covalent organic frameworks. <i>Science China Chemistry</i> , 2020, 63, 1367-1390.	8.2	95
69	30% land conservation and climate action reduces tropical extinction risk by more than 50%. <i>Ecography</i> , 2020, 43, 943-953.	4.5	94
70	Decarboxylation-Induced Defects in MOF-Derived Single Cobalt Atom@Carbon Electrocatalysts for Efficient Oxygen Reduction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21685-21690.	13.8	94
71	Underappreciated plant vulnerabilities to heat waves. <i>New Phytologist</i> , 2021, 231, 32-39.	7.3	91
72	A Visible-Light-Harvesting Covalent Organic Framework Bearing Single Nickel Sites as a Highly Efficient Sulfur-Carbon Cross-Coupling Dual Catalyst. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10820-10827.	13.8	90

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73	Synthesis of covalent organic frameworks <i>via in situ</i> salen skeleton formation for catalytic applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5482-5492.	10.3	89
74	Sophisticated Design of Covalent Organic Frameworks with Controllable Bimetallic Docking for a Cascade Reaction. <i>Chemistry - A European Journal</i> , 2016, 22, 9087-9091.	3.3	86
75	Covalent Organic Frameworks with Record Pore Apertures. <i>Journal of the American Chemical Society</i> , 2022, 144, 5145-5154.	13.7	85
76	An effective approach to improve the electrochemical performance of $\text{LiNi}_{0.6}\text{Co}_{0.2}\text{Mn}_{0.2}\text{O}_2$ cathode by an MOF-derived coating. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5823-5827.	10.3	84
77	Recent advances of covalent organic frameworks in electronic and optical applications. <i>Chinese Chemical Letters</i> , 2016, 27, 1383-1394.	9.0	76
78	Synthesis and Structure-Property Relationships of Polyimide Covalent Organic Frameworks for Carbon Dioxide Capture and (Aqueous) Sodium-Ion Batteries. <i>Chemistry of Materials</i> , 2021, 33, 818-833.	6.7	76
79	Metal-Organic Frameworks (MOFs) as Sandwich Coating Cushion for Silicon Anode in Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26608-26613.	8.0	75
80	Star-shaped two-dimensional covalent organic frameworks. <i>CrystEngComm</i> , 2013, 15, 1508-1511.	2.6	74
81	Chirality from substitution: enantiomer separation via a modified metal-organic framework. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12145-12148.	10.3	73
82	An Iron-Containing Metal-Organic Framework as a Highly Efficient Catalyst for Ozone Decomposition. <i>Angewandte Chemie</i> , 2018, 130, 16654-16658.	2.0	73
83	A diethylaminophenol functionalized Schiff base: crystallization-induced emission-enhancement, switchable fluorescence and application for security printing and data storage. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7446-7454.	5.5	69
84	Screening metal-free photocatalysts from isomorphous covalent organic frameworks for the C-3 functionalization of indoles. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8706-8715.	10.3	66
85	A copper(<i>II</i>)-based MOF film for highly efficient visible-light-driven hydrogen production. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7174-7177.	10.3	65
86	How deregulation, drought and increasing fire impact Amazonian biodiversity. <i>Nature</i> , 2021, 597, 516-521.	27.8	65
87	Tuning the Spin State of the Iron Center by Bridge-Bonded Fe-O-Ti Ligands for Enhanced Oxygen Reduction. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	63
88	Facile fabrication of magnetically recyclable metal-organic framework nanocomposites for highly efficient and selective catalytic oxidation of benzylic C-H bonds. <i>Chemical Communications</i> , 2014, 50, 8374-8377.	4.1	58
89	Darwin's naturalization conundrum can be explained by spatial scale. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10904-10910.	7.1	58
90	Construction of Interlayer Conjugated Links in 2D Covalent Organic Frameworks via Topological Polymerization. <i>Journal of the American Chemical Society</i> , 2021, 143, 7897-7902.	13.7	58

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91	A Heat-Resistant and Energetic Metal-Organic Framework Assembled by Chelating Ligand. ACS Applied Materials & Interfaces, 2017, 9, 37542-37547.	8.0	55
92	Red fluorescent luminogen from pyrrole derivatives with aggregation-enhanced emission for cell membrane imaging. Chemical Communications, 2015, 51, 8555-8558.	4.1	54
93	Three-Dimensional Anionic Cyclodextrin-Based Covalent Organic Frameworks. Angewandte Chemie, 2017, 129, 16531-16535.	2.0	54
94	Stable Aluminum Metal-Organic Frameworks (Al-MOFs) for Balanced CO ₂ and Water Selectivity. ACS Applied Materials & Interfaces, 2018, 10, 3160-3163.	8.0	52
95	Prefabricated covalent organic framework nanosheets with double vacancies: anchoring Cu for highly efficient photocatalytic H ₂ evolution. Journal of Materials Chemistry A, 2020, 8, 25094-25100.	10.3	50
96	Enhancing Enzyme Activity by the Modulation of Covalent Interactions in the Confined Channels of Covalent Organic Frameworks. Angewandte Chemie - International Edition, 2022, 61, .	13.8	48
97	Covalent organic frameworks: a platform for the experimental establishment of the influence of intermolecular distance on phosphorescence. Journal of Materials Chemistry C, 2018, 6, 5369-5374.	5.5	43
98	DMF-induced emission of an aryl-substituted pyrrole derivative: a solid thermo-responsive material to detect temperature in a specific range. Journal of Materials Chemistry C, 2013, 1, 7534.	5.5	42
99	Metal-Organic Frameworks Derived Porous Carbons: Syntheses, Porosity and Gas Sorption Properties. Chinese Journal of Chemistry, 2016, 34, 157-174.	4.9	42
100	Leaf size of woody dicots predicts ecosystem primary productivity. Ecology Letters, 2020, 23, 1003-1013.	6.4	41
101	Zinc/Nickel-Doped Hollow Core-Shell Co ₃ O ₄ Derived from a Metal-Organic Framework with High Capacity, Stability, and Rate Performance in Lithium/Sodium-Ion Batteries. Chemistry - A European Journal, 2018, 24, 1651-1656.	3.3	40
102	Binary Pd-Polyoxometalates and Isolation of a Ternary Pd-V-Polyoxomolybdate Active Species for Selective Aerobic Oxidation of Alcohols. Chemistry - A European Journal, 2014, 20, 2557-2564.	3.3	39
103	Two-dimensional artificial light-harvesting antennae with predesigned high-order structure and robust photosensitising activity. Scientific Reports, 2016, 6, 32944.	3.3	39
104	Electropolymerization of Molecular-Sieving Polythiophene Membranes for H ₂ Separation. Angewandte Chemie - International Edition, 2019, 58, 8768-8772.	13.8	39
105	Supramolecular Alternating Donor-Acceptor Assembly toward Intercalated Covalent Organic Frameworks. Journal of the American Chemical Society, 2020, 142, 3712-3717.	13.7	38
106	Mechanochromic Behavior of Aryl-Substituted Buta-1,3-Diene Derivatives with Aggregation Enhanced Emission. Chemistry - A European Journal, 2014, 20, 8856-8861.	3.3	37
107	A fluorescent probe with an aggregation-enhanced emission feature for real-time monitoring of low carbon dioxide levels. Journal of Materials Chemistry C, 2015, 3, 7621-7626.	5.5	37
108	Molecular-Sieving Membrane by Partitioning the Channels in Ultrafiltration Membrane by In-Situ Polymerization. Angewandte Chemie - International Edition, 2020, 59, 4401-4405.	13.8	35

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109	The fluorescent bioprobe with aggregation-induced emission features for monitoring to carbon dioxide generation rate in single living cell and early identification of cancer cells. <i>Biomaterials</i> , 2016, 103, 67-74.	11.4	34
110	FEM simulation and experimental study on the quenching residual stress of aluminum alloy 2024. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2013, 227, 954-964.	2.4	33
111	Controllable synthesis of porous TiO ₂ with a hierarchical nanostructure for efficient photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3710-3718.	10.3	33
112	Coordination Polymer Glasses with Lava and Healing Ability for High-Performance Gas Sieving. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21304-21309.	13.8	33
113	Covalent organic framework-based membranes for liquid separation. <i>Organic Chemistry Frontiers</i> , 2021, 8, 3943-3967.	4.5	32
114	Crystalline Anionic Germanate Covalent Organic Framework for High CO ₂ Selectivity and Fast Li Ion Conduction. <i>Chemistry - A European Journal</i> , 2019, 25, 13479-13483.	3.3	29
115	A review of the heterogeneous landscape of biodiversity databases: Opportunities and challenges for a synthesized biodiversity knowledge base. <i>Global Ecology and Biogeography</i> , 2022, 31, 1242-1260.	5.8	29
116	Investigating the effects of side chain length on the AIE properties of water-soluble TPE derivatives. <i>Tetrahedron Letters</i> , 2014, 55, 1496-1500.	1.4	28
117	Ecological niche modelling confirms potential north-east range expansion of the nine-banded armadillo (<i>Dasyus novemcinctus</i>) in the USA. <i>Journal of Biogeography</i> , 2015, 42, 803-807.	3.0	28
118	Aggregation-induced emission enhancement and aggregation-induced circular dichroism of chiral pentaphenylpyrrole derivatives and their helical self-assembly. <i>New Journal of Chemistry</i> , 2017, 41, 8877-8884.	2.8	27
119	3D cross-correlative matrix temperature detection and non-invasive thermal mapping based on a molecular probe. <i>Chemical Science</i> , 2014, 5, 4388-4393.	7.4	25
120	Flexible Films of Covalent Organic Frameworks with Ultralow Dielectric Constants under High Humidity. <i>Angewandte Chemie</i> , 2018, 130, 16739-16743.	2.0	25
121	Electrically conductive 2D covalent organic frameworks. <i>Trends in Chemistry</i> , 2022, 4, 128-141.	8.5	25
122	The selective detection of chloroform using an organic molecule with aggregation-induced emission properties in the solid state as a fluorescent sensor. <i>Sensors and Actuators B: Chemical</i> , 2016, 232, 264-268.	7.8	24
123	Syntheses of Covalent Organic Frameworks via a One-Pot Suzuki Coupling and Schiff's Base Reaction for C ₂ H ₄ /C ₃ H ₆ Separation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	24
124	A Solvent-Free Hot-Pressing Method for Preparing Metal-Organic Framework Coatings. <i>Angewandte Chemie</i> , 2016, 128, 3480-3484.	2.0	22
125	A Tale of Copper Coordination Frameworks: Controlled Single-Crystal-to-Single-Crystal Transformations and Their Catalytic C-H Bond Activation Properties. <i>Chemistry - A European Journal</i> , 2015, 21, 13894-13899.	3.3	20
126	MOF derived composites for cathode protection: coatings of LiCoO ₂ from UiO-66 and MIL-53 as ultra-stable cathodes. <i>Chemical Communications</i> , 2015, 51, 12391-12394.	4.1	20

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127	The synthesis of chiral triphenylpyrrole derivatives and their aggregation-induced emission enhancement, aggregation-induced circular dichroism and helical self-assembly. RSC Advances, 2016, 6, 23420-23427.	3.6	20
128	Electropolymerization of Molecularâ€Sieving Polythiophene Membranes for H ₂ Separation. Angewandte Chemie, 2019, 131, 8860-8864.	2.0	20
129	Large-Scale Production of MOF-Derived Coatings for Functional Interlayers in High-Performance Liâ€S Batteries. ACS Applied Energy Materials, 2018, 1, 6986-6991.	5.1	19
130	Aggregation-induced emission enhancement in poly(phenylene-ethynylene)s bearing aniline groups. Chinese Journal of Polymer Science (English Edition), 2012, 30, 443-450.	3.8	18
131	Applications of self-assembled one-bilayer nanofilms based on hydroxyl-containing tetraphenylethene derivative's nanoaggregates as chemosensors to volatile of solid nitroaromatics. Sensors and Actuators B: Chemical, 2012, 161, 587-593.	7.8	17
132	Physiological limits in an ecological niche modeling framework: A case study of water temperature and salinity constraints of freshwater bivalves invasive in USA. Ecological Modelling, 2017, 346, 48-57.	2.5	17
133	A Visibleâ€Lightâ€Harvesting Covalent Organic Framework Bearing Single Nickel Sites as a Highly Efficient Sulfurâ€Carbon Crossâ€Coupling Dual Catalyst. Angewandte Chemie, 2021, 133, 10915-10922.	2.0	17
134	Metalâ€Organic Framework-Derived Trimetallic Nanocomposites as Efficient Bifunctional Oxygen Catalysts for Zincâ€Air Batteries. ACS Applied Materials & Interfaces, 2021, 13, 33209-33217.	8.0	17
135	Controlled Modification of Axial Coordination for Transitionâ€Metal Singleâ€Atom Electrocatalyst. Chemistry - A European Journal, 2022, 28, .	3.3	17
136	Forest Management Under Megadrought: Urgent Needs at Finer Scale and Higher Intensity. Frontiers in Forests and Global Change, 2020, 3, .	2.3	16
137	Decarboxylationâ€Induced Defects in MOFâ€Derived Single Cobalt Atom@Carbon Electrocatalysts for Efficient Oxygen Reduction. Angewandte Chemie, 2021, 133, 21853-21858.	2.0	16
138	Patterns and ecological determinants of woody plant height in eastern Eurasia and its relation to primary productivity. Journal of Plant Ecology, 2019, 12, 791-803.	2.3	15
139	Synergistic Effects of Inorganicâ€Organic Protective Layer for Robust Cycling Dendrite-Free Lithium Metal Batteries. ACS Applied Materials & Interfaces, 2020, 12, 844-850.	8.0	15
140	Efficient imaging method for multireceiver SAS. IET Radar, Sonar and Navigation, 2022, 16, 1470-1483.	1.8	15
141	Aggregationâ€Induced Emission of Hexaphenylâ€1,3â€butadiene. Chinese Journal of Chemistry, 2015, 33, 701-704.	4.9	13
142	Doubling demands in programming skills call for ecoinformatics education. Frontiers in Ecology and the Environment, 2020, 18, 123-124.	4.0	13
143	Physiology in ecological niche modeling: using zebra mussel's upper thermal tolerance to refine model predictions through Bayesian analysis. Ecography, 2020, 43, 270-282.	4.5	12
144	Metalâ€Triazolateâ€Frameworkâ€Derived FeN ₄ Cl Singleâ€Atom Catalysts with Hierarchical Porosity for the Oxygen Reduction Reaction. Angewandte Chemie, 2021, 133, 27530-27535.	2.0	12

#	ARTICLE	IF	CITATIONS
145	Can incomplete knowledge of species's physiology facilitate ecological niche modelling? A case study with virtual species. <i>Diversity and Distributions</i> , 2017, 23, 1157-1168.	4.1	11
146	Ferrocene-Linkage-Facilitated Charge Separation in Conjugated Microporous Polymers. <i>Angewandte Chemie</i> , 2019, 131, 4265-4270.	2.0	11
147	A Lithium Ion Highway by Surface Coordination Polymerization: In Situ Growth of Metal-Organic Framework Thin Layers on Metal Oxides for Exceptional Rate and Cycling Performance. <i>Chemistry - A European Journal</i> , 2017, 23, 11513-11518.	3.3	10
148	A new synthetic approach to functionalize oxomolybdenum complexes. <i>CrystEngComm</i> , 2013, 15, 7410.	2.6	8
149	Species residency status affects model selection and hypothesis testing in freshwater community ecology. <i>Freshwater Biology</i> , 2016, 61, 1568-1579.	2.4	8
150	On-Water Polymerization of Phenylacetylene Catalyzed by Rh Complexes Bearing Strongly Acidic Dibenzo[a,e]cyclooctatetraene Ligand. <i>Journal of Polymer Science Part A</i> , 2017, 55, 716-725.	2.3	8
151	Can land use indicate wetland floristic quality and taxonomic distinctness?. <i>Ecological Indicators</i> , 2017, 78, 331-339.	6.3	8
152	Rainfall pulses mediate long-term plant community compositional dynamics in a semi-arid rangeland. <i>Journal of Applied Ecology</i> , 2021, 58, 708-717.	4.0	8
153	Design and synthesis of covalent organic frameworks. <i>Chinese Science Bulletin</i> , 2018, 63, 2229-2245.	0.7	7
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156	Drug Delivery: Zn ²⁺ -Triggered Drug Release from Biocompatible Zirconium MOFs Equipped with Supramolecular Gates (<i>Small</i> 31/2015). <i>Small</i> , 2015, 11, 3806-3806.	10.0	6
157	Explosives: Metal-Organic Framework Templated Synthesis of Copper Azide as the Primary Explosive with Low Electrostatic Sensitivity and Excellent Initiation Ability (<i>Adv. Mater.</i> 28/2016). <i>Advanced Materials</i> , 2016, 28, 5766-5766.	21.0	6
158	Climatic Similarity of Extant and Extinct <i>Dasypus</i> Armadillos. <i>Journal of Mammalian Evolution</i> , 2017, 24, 193-206.	1.8	6
159	Two-step separation-free quantitative detection of HSA and FIB in human blood plasma by a pentaphenylpyrrole derivative with aggregation-enhanced emission properties. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 854-861.	7.8	6
160	Sealing functional ionic liquids in conjugated microporous polymer membrane by solvent-assisted micropore tightening. <i>Nano Research</i> , 2022, 15, 2552-2557.	10.4	6
161	Canine and human infection with <i>Borrelia burgdorferi</i> in the New York City metropolitan area. <i>Parasites and Vectors</i> , 2018, 11, 187.	2.5	5
162	ENM2020: A Free Online Course and Set of Resources on Modeling Species' Niches and Distributions. <i>Biodiversity Informatics</i> , 0, 17, .	3.0	5

