

# Xiao Feng

## List of Publications by Citations

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170  
papers

15,603  
citations

62  
h-index

123  
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194  
ext. papers

19,001  
ext. citations

9.9  
avg, IF

6.91  
L-index

#	Paper	IF	Citations
170	Covalent organic frameworks. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 6010-22	58.5	1910
169	Metal-organic frameworks for energy storage: Batteries and supercapacitors. <i>Coordination Chemistry Reviews</i> , <b>2016</b> , 307, 361-381	23.2	878
168	Flexible Solid-State Supercapacitor Based on a Metal-Organic Framework Interwoven by Electrochemically-Deposited PANI. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 4920-3	16.4	681
167	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> , <b>2017</b> , 139, 4258-4261	16.4	549
166	Preparation of Nanofibrous Metal-Organic Framework Filters for Efficient Air Pollution Control. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 5785-8	16.4	417
165	Promoting nitrogen electroreduction to ammonia with bismuth nanocrystals and potassium cations in water. <i>Nature Catalysis</i> , <b>2019</b> , 2, 448-456	36.5	404
164	Synthesis of metallophthalocyanine covalent organic frameworks that exhibit high carrier mobility and photoconductivity. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 1289-93	16.4	391
163	Tuning the luminescence of metal-organic frameworks for detection of energetic heterocyclic compounds. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 15485-8	16.4	341
162	A novel "turn-on" fluorescent chemosensor for the selective detection of Al <sup>3+</sup> based on aggregation-induced emission. <i>Chemical Communications</i> , <b>2012</b> , 48, 416-8	5.8	309
161	Pore surface engineering in covalent organic frameworks. <i>Nature Communications</i> , <b>2011</b> , 2, 536	17.4	307
160	High-rate charge-carrier transport in porphyrin covalent organic frameworks: switching from hole to electron to ambipolar conduction. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 2618-22	16.4	291
159	Metal-organic frameworks with photocatalytic bactericidal activity for integrated air cleaning. <i>Nature Communications</i> , <b>2019</b> , 10, 2177	17.4	277
158	An n-channel two-dimensional covalent organic framework. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 14510-3	16.4	277
157	A 2D azine-linked covalent organic framework for gas storage applications. <i>Chemical Communications</i> , <b>2014</b> , 50, 13825-8	5.8	264
156	Bulk COFs and COF nanosheets for electrochemical energy storage and conversion. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 3565-3604	58.5	256
155	A squaraine-linked mesoporous covalent organic framework. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 3770-4	16.4	234
154	An ambipolar conducting covalent organic framework with self-sorted and periodic electron donor-acceptor ordering. <i>Advanced Materials</i> , <b>2012</b> , 24, 3026-31	24	217

153	Charge dynamics in a donor-acceptor covalent organic framework with periodically ordered bicontinuous heterojunctions. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 2017-21	16.4	217
152	Challenges and recent advances in MOF-polymer composite membranes for gas separation. <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 896-909	6.8	205
151	Roll-to-Roll Production of Metal-Organic Framework Coatings for Particulate Matter Removal. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606221	24	192
150	Photoinduced postsynthetic polymerization of a metal-organic framework toward a flexible stand-alone membrane. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 4259-63	16.4	191
149	Three-Dimensional Anionic Cyclodextrin-Based Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 16313-16317	16.4	183
148	Porphyrin-based two-dimensional covalent organic frameworks: synchronized synthetic control of macroscopic structures and pore parameters. <i>Chemical Communications</i> , <b>2011</b> , 47, 1979-81	5.8	180
147	Covalent organic frameworks: efficient, metal-free, heterogeneous organocatalysts for chemical fixation of CO <sub>2</sub> under mild conditions. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 374-382	13	169
146	Fe/Ni Metal-Organic Frameworks and Their Binder-Free Thin Films for Efficient Oxygen Evolution with Low Overpotential. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 16736-43	9.5	163
145	A Solvent-Free Hot-Pressing Method for Preparing Metal-Organic-Framework Coatings. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 3419-23	16.4	160
144	Partitioning MOF-5 into Confined and Hydrophobic Compartments for Carbon Capture under Humid Conditions. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 10100-3	16.4	159
143	An Azine-Linked Covalent Organic Framework: Synthesis, Characterization and Efficient Gas Storage. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 12079-84	4.8	151
142	Zn(2+)-Triggered Drug Release from Biocompatible Zirconium MOFs Equipped with Supramolecular Gates. <i>Small</i> , <b>2015</b> , 11, 3807-13	11	147
141	A standard protocol for reporting species distribution models. <i>Ecography</i> , <b>2020</b> , 43, 1261-1277	6.5	141
140	Fast Ion Transport Pathway Provided by Polyethylene Glycol Confined in Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 1923-1927	16.4	138
139	A novel anode material derived from organic-coated ZIF-8 nanocomposites with high performance in lithium ion batteries. <i>Chemical Communications</i> , <b>2014</b> , 50, 8057-60	5.8	132
138	Shaping of Metal-Organic Frameworks: From Fluid to Shaped Bodies and Robust Foams. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 10810-3	16.4	129
137	Covalent organic frameworks as metal-free heterogeneous photocatalysts for organic transformations. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 22933-22938	13	124
136	Aggregation-induced emission enhancement of aryl-substituted pyrrole derivatives. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 16731-6	3.4	124

135	Covalent organic framework as an efficient, metal-free, heterogeneous photocatalyst for organic transformations under visible light. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 245, 334-342	21.8	115
134	Recent advances in AIEgen-based luminescent metal-organic frameworks and covalent organic frameworks. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 2474-2486	7.8	111
133	Conducting metallophthalocyanine 2D covalent organic frameworks: the role of central metals in controlling electronic functions. <i>Chemical Communications</i> , <b>2012</b> , 48, 8952-4	5.8	110
132	A highly sensitive, single selective, real-time and turn-on fluorescent sensor for Al <sup>3+</sup> detection in aqueous media. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 19296		105
131	Water Contaminant Elimination Based on Metal-Organic Frameworks and Perspective on Their Industrial Applications. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 4548-4563	8.3	103
130	Reversible and hydrogen bonding-assisted piezochromic luminescence for solid-state tetraaryl-but-1,3-diene. <i>Chemical Communications</i> , <b>2013</b> , 49, 7049-51	5.8	98
129	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 &amp; Interfaces</i> , <b>2015</b> , 7, 2178-82	9.5	96
128	Membrane adsorbers with ultrahigh metal-organic framework loading for high flux separations. <i>Nature Communications</i> , <b>2019</b> , 10, 4204	17.4	94
127	The commonness of rarity: Global and future distribution of rarity across land plants. <i>Science Advances</i> , <b>2019</b> , 5, eaaz0414	14.3	94
126	Covalent organic frameworks as pH responsive signaling scaffolds. <i>Chemical Communications</i> , <b>2016</b> , 52, 11088-91	5.8	90
125	Explosives in the Cage: Metal-Organic Frameworks for High-Energy Materials Sensing and Desensitization. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701898	24	90
124	A malonitrile-functionalized metal-organic framework for hydrogen sulfide detection and selective amino acid molecular recognition. <i>Scientific Reports</i> , <b>2014</b> , 4, 4366	4.9	86
123	Multivariate MOF-Templated Pomegranate-Like Ni/C as Efficient Bifunctional Electrocatalyst for Hydrogen Evolution and Urea Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 4750-4756	9.5	86
122	High-Rate Charge-Carrier Transport in Porphyrin Covalent Organic Frameworks: Switching from Hole to Electron to Ambipolar Conduction. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 2672-2676	3.6	86
121	Water Purification: Adsorption over Metal-Organic Frameworks. <i>Chinese Journal of Chemistry</i> , <b>2016</b> , 34, 175-185	4.9	85
120	Polyoxometallates trapped in a zeolitic imidazolate framework leading to high uptake and selectivity of bioactive molecules. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 2168-2173	13	85
119	A highly stable metal- and nitrogen-doped nanocomposite derived from Zn/Ni-ZIF-8 capable of CO <sub>2</sub> capture and separation. <i>Chemical Communications</i> , <b>2014</b> , 50, 6894-7	5.8	81
118	Metal-Organic Framework Templated Synthesis of Copper Azide as the Primary Explosive with Low Electrostatic Sensitivity and Excellent Initiation Ability. <i>Advanced Materials</i> , <b>2016</b> , 28, 5837-43	24	81

117	Inorganic and organic hybrid solid electrolytes for lithium-ion batteries. <i>CrystEngComm</i> , <b>2016</b> , 18, 4236-4258	3.3	79
116	Nickel-substituted zeolitic imidazolate frameworks for time-resolved alcohol sensing and photocatalysis under visible light. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 5724-5729	13	79
115	An effective approach to improve the electrochemical performance of LiNi <sub>0.6</sub> Co <sub>0.2</sub> Mn <sub>0.2</sub> O <sub>2</sub> cathode by an MOF-derived coating. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 5823-5827	13	77
114	Collinearity in ecological niche modeling: Confusions and challenges. <i>Ecology and Evolution</i> , <b>2019</b> , 9, 10365-10376	13	76
113	Facile Fabrication of Multifunctional Metal-Organic Framework Hollow Tubes To Trap Pollutants. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 16482-16485	16.4	75
112	Flexible Films of Covalent Organic Frameworks with Ultralow Dielectric Constants under High Humidity. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 16501-16505	16.4	73
111	Advanced functional polymer materials. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 1803-1915	7.8	70
110	Synthesis of Metallophthalocyanine Covalent Organic Frameworks That Exhibit High Carrier Mobility and Photoconductivity. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 1325-1329	3.6	68
109	Sophisticated Design of Covalent Organic Frameworks with Controllable Bimetallic Docking for a Cascade Reaction. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 9087-91	4.8	67
108	Ferrocene-Linkage-Facilitated Charge Separation in Conjugated Microporous Polymers. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 4221-4226	16.4	62
107	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> , <b>2015</b> , 3, 7446-7454	7.1	62
106	Star-shaped two-dimensional covalent organic frameworks. <i>CrystEngComm</i> , <b>2013</b> , 15, 1508-1511	3.3	62
105	Metal-Organic Frameworks (MOFs) as Sandwich Coating Cushion for Silicon Anode in Lithium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 26608-13	9.5	60
104	Chirality from substitution: enantiomer separation via a modified metal-organic framework. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 12145-12148	13	57
103	Recent advances of covalent organic frameworks in electronic and optical applications. <i>Chinese Chemical Letters</i> , <b>2016</b> , 27, 1383-1394	8.1	57
102	A checklist for maximizing reproducibility of ecological niche models. <i>Nature Ecology and Evolution</i> , <b>2019</b> , 3, 1382-1395	12.3	56
101	Open Science principles for accelerating trait-based science across the Tree of Life. <i>Nature Ecology and Evolution</i> , <b>2020</b> , 4, 294-303	12.3	54
100	An Iron-Containing Metal-Organic Framework as a Highly Efficient Catalyst for Ozone Decomposition. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 16416-16420	16.4	54

99	Red fluorescent luminogen from pyrrole derivatives with aggregation-enhanced emission for cell membrane imaging. <i>Chemical Communications</i> , <b>2015</b> , 51, 8555-8	5.8	51
98	Photoinduced Postsynthetic Polymerization of a Metal-Organic Framework toward a Flexible Stand-Alone Membrane. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 4333-4337	3.6	50
97	30% land conservation and climate action reduces tropical extinction risk by more than 50%. <i>Ecography</i> , <b>2020</b> , 43, 943-953	6.5	46
96	Charge Dynamics in A Donor-Acceptor Covalent Organic Framework with Periodically Ordered Bicontinuous Heterojunctions. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 2071-2075	3.6	46
95	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> , <b>2014</b> , 50, 8374-7	5.8	45
94	A Squaraine-Linked Mesoporous Covalent Organic Framework. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 3858-3862	3.6	45
93	A copper(II)-based MOF film for highly efficient visible-light-driven hydrogen production. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 7174-7177	13	45
92	Three-Dimensional Anionic Cyclodextrin-Based Covalent Organic Frameworks. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 16531-16535	3.6	42
91	Metal-Organic Framework Membranes Encapsulating Gold Nanoparticles for Direct Plasmonic Photocatalytic Nitrogen Fixation. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 5727-5736	16.4	42
90	An evaluation of transferability of ecological niche models. <i>Ecography</i> , <b>2019</b> , 42, 521-534	6.5	41
89	Metal-organic framework membranes with single-atomic centers for photocatalytic CO and O reduction. <i>Nature Communications</i> , <b>2021</b> , 12, 2682	17.4	40
88	Hydrophilicity gradient in covalent organic frameworks for membrane distillation. <i>Nature Materials</i> , <b>2021</b> , 20, 1551-1558	27	40
87	DMF-induced emission of an aryl-substituted pyrrole derivative: a solid thermo-responsive material to detect temperature in a specific range. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 7534	7.1	39
86	Synthesis of covalent organic frameworks via in situ salen skeleton formation for catalytic applications. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 5482-5492	13	38
85	A fluorescent probe with an aggregation-enhanced emission feature for real-time monitoring of low carbon dioxide levels. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 7621-7626	7.1	36
84	Stable Aluminum Metal-Organic Frameworks (Al-MOFs) for Balanced CO and Water Selectivity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 3160-3163	9.5	35
83	Binary Pd-polyoxometalates and isolation of a ternary Pd-V-polyoxomolybdate active species for selective aerobic oxidation of alcohols. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 2557-64	4.8	34
82	Crystallinity and stability of covalent organic frameworks. <i>Science China Chemistry</i> , <b>2020</b> , 63, 1367-1390	7.9	34



81	Covalent organic frameworks: a platform for the experimental establishment of the influence of intermolecular distance on phosphorescence. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 5369-5374	7.1	33
80	A Heat-Resistant and Energetic Metal-Organic Framework Assembled by Chelating Ligand. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 37542-37547	9.5	32
79	Zinc/Nickel-Doped Hollow Core-Shell Co O Derived from a Metal-Organic Framework with High Capacity, Stability, and Rate Performance in Lithium/Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 1651-1656	4.8	32
78	Controllable synthesis of porous TiO <sub>2</sub> with a hierarchical nanostructure for efficient photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 3710-3718	13	31
77	Two-dimensional artificial light-harvesting antennae with predesigned high-order structure and robust photosensitising activity. <i>Scientific Reports</i> , <b>2016</b> , 6, 32944	4.9	29
76	Mechanochromic behavior of aryl-substituted buta-1,3-diene derivatives with aggregation enhanced emission. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 8856-61	4.8	29
75	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> , <b>2013</b> , 227, 954-964	2.4	29
74	Metal-Organic Frameworks Derived Porous Carbons: Syntheses, Porosity and Gas Sorption Properties. <i>Chinese Journal of Chemistry</i> , <b>2016</b> , 34, 157-174	4.9	29
73	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> , <b>2021</b> , 60, 10820-10827	16.4	28
72	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> , <b>2016</b> , 103, 67-74	15.6	28
71	Synthesis and Structure-Property Relationships of Polyimide Covalent Organic Frameworks for Carbon Dioxide Capture and (Aqueous) Sodium-Ion Batteries. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 818-833	9.6	28
70	Screening metal-free photocatalysts from isomorphous covalent organic frameworks for the C-3 functionalization of indoles. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 8706-8715	13	27
69	Investigating the effects of side chain length on the AIE properties of water-soluble TPE derivatives. <i>Tetrahedron Letters</i> , <b>2014</b> , 55, 1496-1500	2	24
68	Aggregation-induced emission enhancement and aggregation-induced circular dichroism of chiral pentaphenylpyrrole derivatives and their helical self-assembly. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 8877-8884	2.6	23
67	Electropolymerization of Molecular-Sieving Polythiophene Membranes for H <sub>2</sub> Separation. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 8768-8772	16.4	23
66	Molecular-Sieving Membrane by Partitioning the Channels in Ultrafiltration Membrane by In Situ Polymerization. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 4401-4405	16.4	23
65	Flexible Films of Covalent Organic Frameworks with Ultralow Dielectric Constants under High Humidity. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 16739-16743	3.6	23
64	3D cross-correlative matrix temperature detection and non-invasive thermal mapping based on a molecular probe. <i>Chemical Science</i> , <b>2014</b> , 5, 4388-4393	9.4	22

63	Crystalline Anionic Germanate Covalent Organic Framework for High CO Selectivity and Fast Li Ion Conduction. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 13479-13483	4.8	21
62	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> , <b>2016</b> , 232, 264-268	8.5	21
61	Ecological niche modelling confirms potential north-east range expansion of the nine-banded armadillo ( <i>Dasybus novemcinctus</i> ) in the USA. <i>Journal of Biogeography</i> , <b>2015</b> , 42, 803-807	4.1	20
60	Metal-Triazolate-Framework-Derived FeN Cl Single-Atom Catalysts with Hierarchical Porosity for the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	20
59	Prefabricated covalent organic framework nanosheets with double vacancies: anchoring Cu for highly efficient photocatalytic H <sub>2</sub> evolution. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 25094-25100	13	20
58	MOF derived composites for cathode protection: coatings of LiCoO <sub>2</sub> from UiO-66 and MIL-53 as ultra-stable cathodes. <i>Chemical Communications</i> , <b>2015</b> , 51, 12391-4	5.8	19
57	The synthesis of chiral triphenylpyrrole derivatives and their aggregation-induced emission enhancement, aggregation-induced circular dichroism and helical self-assembly. <i>RSC Advances</i> , <b>2016</b> , 6, 23420-23427	3.7	19
56	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> , <b>2020</b> , 117, 10904-10910	11.5	18
55	Supramolecular Alternating Donor-Acceptor Assembly toward Intercalated Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 3712-3717	16.4	18
54	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> , <b>2015</b> , 21, 13894-9	4.8	18
53	A Solvent-Free Hot-Pressing Method for Preparing Metal-Organic-Framework Coatings. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 3480-3484	3.6	17
52	Leaf size of woody dicots predicts ecosystem primary productivity. <i>Ecology Letters</i> , <b>2020</b> , 23, 1003-1013	10	16
51	Aggregation-induced emission enhancement in poly(phenylene-ethynylene)s bearing aniline groups. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2012</b> , 30, 443-450	3.5	16
50	Underappreciated plant vulnerabilities to heat waves. <i>New Phytologist</i> , <b>2021</b> , 231, 32-39	9.8	16
49	Applications of self-assembled one-bilayer nanofilms based on hydroxyl-containing tetraphenylethene derivative's nanoaggregates as chemosensors to volatile of solid nitroaromatics. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 161, 587-593	8.5	15
48	Construction of Interlayer Conjugated Links in 2D Covalent Organic Frameworks via Topological Polymerization. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 7897-7902	16.4	15
47	Large-Scale Production of MOF-Derived Coatings for Functional Interlayers in High-Performance LiB Batteries. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 6986-6991	6.1	14
46	An Iron-Containing Metal-Organic Framework as a Highly Efficient Catalyst for Ozone Decomposition. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 16654-16658	3.6	14



45	Decarboxylation-Induced Defects in MOF-Derived Single Cobalt Atom@Carbon Electrocatalysts for Efficient Oxygen Reduction. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 21685-21690	16.4	14
44	Electropolymerization of Molecular-Sieving Polythiophene Membranes for H <sub>2</sub> Separation. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 8860-8864	3.6	13
43	Physiological limits in an ecological niche modeling framework: A case study of water temperature and salinity constraints of freshwater bivalves invasive in USA. <i>Ecological Modelling</i> , <b>2017</b> , 346, 48-57	3	12
42	Synergistic Effects of Inorganic-Organic Protective Layer for Robust Cycling Dendrite-Free Lithium Metal Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 844-850	9.5	12
41	Aggregation-Induced Emission of Hexaphenyl-1,3-butadiene. <i>Chinese Journal of Chemistry</i> , <b>2015</b> , 33, 701-704	4.9	11
40	Can incomplete knowledge of species physiology facilitate ecological niche modelling? A case study with virtual species. <i>Diversity and Distributions</i> , <b>2017</b> , 23, 1157-1168	5	10
39	Coordination Polymer Glasses with Lava and Healing Ability for High-Performance Gas Sieving. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 21304-21309	16.4	10
38	How deregulation, drought and increasing fire impact Amazonian biodiversity. <i>Nature</i> , <b>2021</b> , 597, 516-524	16.4	10
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