Junwen

List of Publications by Citations

40 papers	5,463 citations	29 h-index	41 g-index
41 ext. papers	6,457 ext. citations	13.3 avg, IF	5.98 L-index

#	Paper	IF	Citations
40	Metal–organic frameworks for energy storage: Batteries and supercapacitors. *Coordination Chemistry Reviews*, **2016**, 307, 361-381	23.2	878
39	Exfoliation of Covalent Organic Frameworks into Few-Layer Redox-Active Nanosheets as Cathode Materials for Lithium-Ion Batteries. *Journal of the American Chemical Society*, **2017**, 139, 4258-4261	16.4	549
38	Preparation of Nanofibrous Metal-Organic Framework Filters for Efficient Air Pollution Control. *Journal of the American Chemical Society*, **2016**, 138, 5785-8	16.4	417
37	Rational design of a metal–organic framework host for sulfur storage in fast, long-cycle Li–S batteries. *Energy and Environmental Science*, **2014**, 7, 2715	35.4	376
36	MOF derived catalysts for electrochemical oxygen reduction. *Journal of Materials Chemistry A*, **2014**, 2, 14064-14070	13	340
35	Metal-organic frameworks with photocatalytic bactericidal activity for integrated air cleaning. *Nature Communications*, **2019**, 10, 2177	17.4	277
34	Emerging crystalline porous materials as a multifunctional platform for electrochemical energy storage. *Chemical Society Reviews*, **2017**, 46, 6927-6945	58.5	258
33	Challenges and recent advances in MOF–polymer composite membranes for gas separation. *Inorganic Chemistry Frontiers*, **2016**, 3, 896-909	6.8	205
32	Roll-to-Roll Production of Metal-Organic Framework Coatings for Particulate Matter Removal. *Advanced Materials*, **2017**, 29, 1606221	24	192
31	Three-Dimensional Anionic Cyclodextrin-Based Covalent Organic Frameworks. *Angewandte Chemie - International Edition*, **2017**, 56, 16313-16317	16.4	183
30	Fe/Ni Metal-Organic Frameworks and Their Binder-Free Thin Films for Efficient Oxygen Evolution with Low Overpotential. *ACS Applied Materials & Interfaces*, **2016**, 8, 16736-43	9.5	163
29	A Solvent-Free Hot-Pressing Method for Preparing Metal-Organic-Framework Coatings. *Angewandte Chemie - International Edition*, **2016**, 55, 3419-23	16.4	160
28	Partitioning MOF-5 into Confined and Hydrophobic Compartments for Carbon Capture under Humid Conditions. *Journal of the American Chemical Society*, **2016**, 138, 10100-3	16.4	159
27	Shaping of Metal-Organic Frameworks: From Fluid to Shaped Bodies and Robust Foams. *Journal of the American Chemical Society*, **2016**, 138, 10810-3	16.4	129
26	Carbon dioxide in the cage: manganese metal–organic frameworks for high performance CO2 electrodes in Li–CO2 batteries. *Energy and Environmental Science*, **2018**, 11, 1318-1325	35.4	121
25	Water Contaminant Elimination Based on Metal–Organic Frameworks and Perspective on Their Industrial Applications. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 4548-4563	8.3	103
24	The impact of the particle size of a metal–organic framework for sulfur storage in Li–S batteries. *Journal of Materials Chemistry A*, **2015**, 3, 8272-8275	13	98

23	Multivariate MOF-Templated Pomegranate-Like Ni/C as Efficient Bifunctional Electrocatalyst for Hydrogen Evolution and Urea Oxidation. *ACS Applied Materials & Interfaces*, **2018**, 10, 4750-4756	9.5	86
22	Water Purification: Adsorption over Metal-Organic Frameworks. *Chinese Journal of Chemistry*, **2016**, 34, 175-185	4.9	85
21	Inorganic and organic hybrid solid electrolytes for lithium-ion batteries. *CrystEngComm*, **2016**, 18, 4236-4258	3.3	79
20	An effective approach to improve the electrochemical performance of LiNi0.6Co0.2Mn0.2O2 cathode by an MOF-derived coating. *Journal of Materials Chemistry A*, **2016**, 4, 5823-5827	13	77
19	Flexible Films of Covalent Organic Frameworks with Ultralow Dielectric Constants under High Humidity. *Angewandte Chemie - International Edition*, **2018**, 57, 16501-16505	16.4	73
18	Monodispersed MnO nanoparticles in graphene-an interconnected N-doped 3D carbon framework as a highly efficient gas cathode in Li□O2 batteries. *Energy and Environmental Science*, **2019**, 12, 1046-1054	35.4	69
17	Metal-Organic Frameworks (MOFs) as Sandwich Coating Cushion for Silicon Anode in Lithium Ion Batteries. *ACS Applied Materials & Interfaces*, **2015**, 7, 26608-13	9.5	60
16	MOFs and COFs for Batteries and Supercapacitors. *Electrochemical Energy Reviews*, **2020**, 3, 81-126	29.3	57
15	A copper(II)-based MOF film for highly efficient visible-light-driven hydrogen production. *Journal of Materials Chemistry A*, **2016**, 4, 7174-7177	13	45
14	Three-Dimensional Anionic Cyclodextrin-Based Covalent Organic Frameworks. *Angewandte Chemie*, **2017**, 129, 16531-16535	3.6	42
13	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. *Chemistry - A European Journal*, **2018**, 24, 1651-1656	4.8	32
12	Metal-Organic Frameworks Derived Porous Carbons: Syntheses, Porosity and Gas Sorption Properties. *Chinese Journal of Chemistry*, **2016**, 34, 157-174	4.9	29
11	Flexible Films of Covalent Organic Frameworks with Ultralow Dielectric Constants under High Humidity. *Angewandte Chemie*, **2018**, 130, 16739-16743	3.6	23
10	A Solvent-Free Hot-Pressing Method for Preparing Metal□Organic-Framework Coatings. *Angewandte Chemie*, **2016**, 128, 3480-3484	3.6	17
9	Improving areal capacity of flexible Li□O2 batteries by constructing a freestanding cathode with monodispersed MnO nanoparticles in N-doped mesoporous carbon nanofibers. *Journal of Materials Chemistry A*, **2020**, 8, 10354-10362	13	16
8	Dielectric Properties and Microwave Heating Characteristics of Sodium Chloride at 2.45 GHz. *High Temperature Materials and Processes*, **2013**, 32, 587-596	0.9	15
7	Large-Scale Production of MOF-Derived Coatings for Functional Interlayers in High-Performance Li□S Batteries. *ACS Applied Energy Materials*, **2018**, 1, 6986-6991	6.1	14
6	Opposite particle size effects on the adsorption kinetics of ZIF-8 for gaseous and solution adsorbates. *RSC Advances*, **2015**, 5, 58595-58599	3.7	13

5	Synergistic Effects of Inorganic-Organic Protective Layer for Robust Cycling Dendrite-Free Lithium Metal Batteries. *ACS Applied Materials & Interfaces*, **2020**, 12, 844-850	9.5	12
4	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. *Chemistry - A European Journal*, **2017**, 23, 11513-11518	4.8	7
3	Microwave-induced heating behavior of Y-TZP ceramics under multiphysics system. *Green Processing and Synthesis*, **2020**, 9, 119-130	3.9	2
2	Optimization of preparation of CO3O4 by microwave calcination from basic cobalt carbonate. *Journal of Microwave Power and Electromagnetic Energy*, **2016**, 50, 138-150	1.4	1
1	Nanoporous Graphene a Pressing Organization Calcination Strategy for Highly Efficient Electrocatalytic Hydrogen Peroxide Generation. *ACS Applied Materials & Interfaces*, **2021**, 13, 47478-47487	9.5	1