

Junwen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8114985/publications.pdf>

Version: 2024-02-01

41
papers

7,411
citations

172207

29
h-index

276539

41
g-index

41
all docs

41
docs citations

41
times ranked

10447
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-organic frameworks for energy storage: Batteries and supercapacitors. <i>Coordination Chemistry Reviews</i> , 2016, 307, 361-381.	9.5	1,098
2	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.	6.6	775
3	Preparation of Nanofibrous Metal-Organic Framework Filters for Efficient Air Pollution Control. <i>Journal of the American Chemical Society</i> , 2016, 138, 5785-5788.	6.6	574
4	Metal-organic frameworks with photocatalytic bactericidal activity for integrated air cleaning. <i>Nature Communications</i> , 2019, 10, 2177.	5.8	476
5	Rational design of a metal-organic framework host for sulfur storage in fast, long-cycle Li-S batteries. <i>Energy and Environmental Science</i> , 2014, 7, 2715.	15.6	434
6	MOF derived catalysts for electrochemical oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14064-14070.	5.2	407
7	Emerging crystalline porous materials as a multifunctional platform for electrochemical energy storage. <i>Chemical Society Reviews</i> , 2017, 46, 6927-6945.	18.7	347
8	Three-Dimensional Anionic Cyclodextrin-Based Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16313-16317.	7.2	290
9	Challenges and recent advances in MOF-polymer composite membranes for gas separation. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 896-909.	3.0	278
10	Roll-to-Roll Production of Metal-Organic Framework Coatings for Particulate Matter Removal. <i>Advanced Materials</i> , 2017, 29, 1606221.	11.1	252
11	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.	6.6	214
12	A Solvent-Free Hot-Pressing Method for Preparing Metal-Organic Framework Coatings. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3419-3423.	7.2	201
13	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.	4.0	198
14	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.	6.6	178
15	Carbon dioxide in the cage: manganese metal-organic frameworks for high performance CO ₂ electrodes in Li-CO ₂ batteries. <i>Energy and Environmental Science</i> , 2018, 11, 1318-1325.	15.6	172
16	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.	3.2	165
17	The impact of the particle size of a metal-organic framework for sulfur storage in Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8272-8275.	5.2	129
18	Flexible Films of Covalent Organic Frameworks with Ultralow Dielectric Constants under High Humidity. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16501-16505.	7.2	128

#	ARTICLE	IF	CITATIONS
19	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.	4.0	123
20	Water Purification: Adsorption over Metal-Organic Frameworks. <i>Chinese Journal of Chemistry</i> , 2016, 34, 175-185.	2.6	116
21	Monodispersed MnO nanoparticles in graphene-an interconnected N-doped 3D carbon framework as a highly efficient gas cathode in Li ⁺ CO ₂ batteries. <i>Energy and Environmental Science</i> , 2019, 12, 1046-1054.	15.6	115
22	Inorganic and organic hybrid solid electrolytes for lithium-ion batteries. <i>CrystEngComm</i> , 2016, 18, 4236-4258.	1.3	110
23	MOFs and COFs for Batteries and Supercapacitors. <i>Electrochemical Energy Reviews</i> , 2020, 3, 81-126.	13.1	98
24	An effective approach to improve the electrochemical performance of LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ cathode by an MOF-derived coating. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5823-5827.	5.2	84
25	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.	4.0	75
26	A copper(II)-based MOF film for highly efficient visible-light-driven hydrogen production. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7174-7177.	5.2	65
27	Three-Dimensional Anionic Cyclodextrin-Based Covalent Organic Frameworks. <i>Angewandte Chemie</i> , 2017, 129, 16531-16535.	1.6	54
28	Metal-Organic Frameworks Derived Porous Carbons: Syntheses, Porosity and Gas Sorption Properties. <i>Chinese Journal of Chemistry</i> , 2016, 34, 157-174.	2.6	42
29	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. <i>Chemistry - A European Journal</i> , 2018, 24, 1651-1656.	1.7	40
30	Improving areal capacity of flexible Li ⁺ CO ₂ batteries by constructing a freestanding cathode with monodispersed MnO nanoparticles in N-doped mesoporous carbon nanofibers. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10354-10362.	5.2	30
31	Flexible Films of Covalent Organic Frameworks with Ultralow Dielectric Constants under High Humidity. <i>Angewandte Chemie</i> , 2018, 130, 16739-16743.	1.6	25
32	A Solvent-Free Hot-Pressing Method for Preparing Metal-Organic Framework Coatings. <i>Angewandte Chemie</i> , 2016, 128, 3480-3484.	1.6	22
33	Dielectric Properties and Microwave Heating Characteristics of Sodium Chloride at 2.45 GHz. <i>High Temperature Materials and Processes</i> , 2013, 32, 587-596.	0.6	21
34	Large-Scale Production of MOF-Derived Coatings for Functional Interlayers in High-Performance Li ⁺ S Batteries. <i>ACS Applied Energy Materials</i> , 2018, 1, 6986-6991.	2.5	19
35	Opposite particle size effects on the adsorption kinetics of ZIF-8 for gaseous and solution adsorbates. <i>RSC Advances</i> , 2015, 5, 58595-58599.	1.7	17
36	Synergistic Effects of Inorganic-Organic Protective Layer for Robust Cycling Dendrite-Free Lithium Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 844-850.	4.0	15

#	ARTICLE	IF	CITATIONS
37	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.	1.7	10
38	Nanoporous Graphene <i>via</i> a Pressing Organization Calcination Strategy for Highly Efficient Electrocatalytic Hydrogen Peroxide Generation. ACS Applied Materials & Interfaces, 2021, 13, 47478-47487.	4.0	7
39	Microwave-induced heating behavior of Y-TZP ceramics under multiphysics system. Green Processing and Synthesis, 2020, 9, 119-130.	1.3	3
40	Generation of Environmentally Persistent Free Radicals on Metal-Organic Frameworks. Langmuir, 2022, 38, 3265-3275.	1.6	3
41	Optimization of preparation of CO ₃ O ₄ by microwave calcination from basic cobalt carbonate. Journal of Microwave Power and Electromagnetic Energy, 2016, 50, 138-150.	0.4	1