

Siwu Li

List of Publications by Citations

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Version: 2024-04-23

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

1,613
citations

18
h-index

30
g-index

30
ext. papers

2,254
ext. citations

13.5
avg, IF

5
L-index

#	Paper	IF	Citations
29	Bulk COFs and COF nanosheets for electrochemical energy storage and conversion. <i>Chemical Society Reviews</i> , 2020 , 49, 3565-3604	58.5	256
28	Three-Dimensional Anionic Cyclodextrin-Based Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 16313-16317	16.4	183
27	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	16.4	138
26	A novel anode material derived from organic-coated ZIF-8 nanocomposites with high performance in lithium ion batteries. <i>Chemical Communications</i> , 2014 , 50, 8057-60	5.8	132
25	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	35.4	121
24	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, 2178-82	9.5	96
23	Inorganic and organic hybrid solid electrolytes for lithium-ion batteries. <i>CrystEngComm</i> , 2016 , 18, 4236-4258	3.3	79
22	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	13	77
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	25.4	69
20	Metal-Organic Frameworks (MOFs) as Sandwich Coating Cushion for Silicon Anode in Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 26608-13	9.5	60
19	MOFs and COFs for Batteries and Supercapacitors. <i>Electrochemical Energy Reviews</i> , 2020 , 3, 81-126	29.3	57
18	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	13	45
17	Three-Dimensional Anionic Cyclodextrin-Based Covalent Organic Frameworks. <i>Angewandte Chemie</i> , 2017 , 129, 16531-16535	3.6	42
16	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	16.4	42
15	Metal-organic framework membranes with single-atomic centers for photocatalytic CO and O reduction. <i>Nature Communications</i> , 2021 , 12, 2682	17.4	40
14	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	4.8	32
13	Recent advances in metal-organic frameworks for lithium metal anode protection. <i>Chinese Chemical Letters</i> , 2020 , 31, 609-616	8.1	22

12	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, 12391-4	5.8	19
11	Metal-organic frameworks and their derivatives for Li-ion batteries. <i>Chinese Chemical Letters</i> , 2020 , 31, 635-642	8.1	17
10	Improving areal capacity of flexible LiCoO 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	13	16
9	Large-Scale Production of MOF-Derived Coatings for Functional Interlayers in High-Performance Li-ion Batteries. <i>ACS Applied Energy Materials</i> , 2018 , 1, 6986-6991	6.1	14
8	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	16.4	14
7	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	9.5	12
6	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	4.8	7
5	A ZIF-67-derived sulfur sandwich structure for high performance Li-ion batteries. <i>APL Materials</i> , 2019 , 7, 091115	5.7	4
4	Unveiling low-tortuous effect on electrochemical performance toward ultrathick LiFePO ₄ electrode with 100 mg/cm ² area loading. <i>Journal of Power Sources</i> , 2021 , 515, 230588	8.9	4
3	Decarboxylation-Induced Defects in MOF-Derived Single Cobalt Atom@Carbon Electrocatalysts for Efficient Oxygen Reduction. <i>Angewandte Chemie</i> , 2021 , 133, 21853-21858	3.6	4
2	Exchange of Li and AgNO ₃ Enabling Stable 3D Lithium Metal Anodes with Embedded Lithophilic Nanoparticles and a Solid Electrolyte Interphase Inducer. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 38425-38431	9.5	4
1	A stable covalent organic framework cathode enables ultra-long cycle life for alkali and multivalent metal rechargeable batteries. <i>Energy Storage Materials</i> , 2022 , 48, 439-446	19.4	4