

# Siwu Li

## List of Publications by Year in Descending Order

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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	A stable covalent organic framework cathode enables ultra-long cycle life for alkali and multivalent metal rechargeable batteries. <i>Energy Storage Materials</i> , <b>2022</b> , 48, 439-446	19.4	4
28	Unveiling low-tortuous effect on electrochemical performance toward ultrathick LiFePO <sub>4</sub> electrode with 100 mg/cm <sup>2</sup> area loading. <i>Journal of Power Sources</i> , <b>2021</b> , 515, 230588	8.9	4
27	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
26	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
25	Decarboxylation-Induced Defects in MOF-Derived Single Cobalt Atom@Carbon Electrocatalysts for Efficient Oxygen Reduction. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 21853-21858	3.6	4
24	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
23	Exchange of Li and AgNO Enabling Stable 3D Lithium Metal Anodes with Embedded Lithophilic Nanoparticles and a Solid Electrolyte Interphase Inducer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 38425-38431	9.5	4
22	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
21	MOFs and COFs for Batteries and Supercapacitors. <i>Electrochemical Energy Reviews</i> , <b>2020</b> , 3, 81-126	29.3	57
20	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
19	Recent advances in metal-organic frameworks for lithium metal anode protection. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 609-616	8.1	22
18	Metal-organic frameworks and their derivatives for Li-ion batteries. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 635-642	8.1	17
17	Improving areal capacity of flexible Li-ion batteries by constructing a freestanding cathode with monodispersed MnO nanoparticles in N-doped mesoporous carbon nanofibers. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 10354-10362	13	16
16	A ZIF-67-derived sulfur sandwich structure for high performance Li-ion batteries. <i>APL Materials</i> , <b>2019</b> , 7, 091115	5.7	4
15	Monodispersed MnO nanoparticles in graphene-an interconnected N-doped 3D carbon framework as a highly efficient gas cathode in Li-ion batteries. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 1046-1054	35.4	69
14	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
13	Carbon dioxide in the cage: manganese metal-organic frameworks for high performance CO <sub>2</sub> electrodes in Li-ion batteries. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 1318-1325	35.4	121

12	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
11	Large-Scale Production of MOF-Derived Coatings for Functional Interlayers in High-Performance LiS Batteries. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 6986-6991	6.1	14
10	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> , <b>2017</b> , 23, 11513-11518	4.8	7
9	Three-Dimensional Anionic Cyclodextrin-Based Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 16313-16317	16.4	183
8	Three-Dimensional Anionic Cyclodextrin-Based Covalent Organic Frameworks. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 16531-16535	3.6	42
7	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
6	Inorganic and organic hybrid solid electrolytes for lithium-ion batteries. <i>CrystEngComm</i> , <b>2016</b> , 18, 4236-4258	3.9	79
5	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
4	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
3	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
2	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
1	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