

# Xiao Liang

## 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.

22 papers	6,658 citations	17 h-index	23 g-index
23 ext. papers	7,744 ext. citations	19.1 avg, IF	6.46 L-index

#	Paper	IF	Citations
22	Electrolyte Solvation Chemistry for the Solution of High-Donor-Number Solvent for Stable Li-S Batteries.. <i>Small</i> , <b>2022</b> , e2200046	11	4
21	Insights into the Structure Stability of Prussian Blue for Aqueous Zinc Ion Batteries. <i>Energy and Environmental Materials</i> , <b>2021</b> , 4, 111-116	13	28
20	A four-electron Zn-I aqueous battery enabled by reversible I/I <sup>-</sup> conversion. <i>Nature Communications</i> , <b>2021</b> , 12, 170	17.4	31
19	Size-Dependent Cobalt Catalyst for Lithium Sulfur Batteries: From Single Atoms to Nanoclusters and Nanoparticles.. <i>Small Methods</i> , <b>2021</b> , 5, e2100571	12.8	6
18	Comprehensive Design of the High-Sulfur-Loading Li-S Battery Based on MXene Nanosheets. <i>Nano-Micro Letters</i> , <b>2020</b> , 12, 112	19.5	30
17	A High-Performance Aqueous Zinc-Bromine Static Battery. <i>IScience</i> , <b>2020</b> , 23, 101348	6.1	24
16	Akin solid-solid biphasic conversion of a LiS battery achieved by coordinated carbonate electrolytes. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 12498-12506	13	26
15	Stabilizing Lithium Plating by a Biphasic Surface Layer Formed In Situ. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 9795-9798	16.4	98
14	Stabilizing Lithium Plating by a Biphasic Surface Layer Formed In Situ. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 9943-9946	3.6	31
13	A facile surface chemistry route to a stabilized lithium metal anode. <i>Nature Energy</i> , <b>2017</b> , 2,	62.3	618
12	Interwoven MXene Nanosheet/Carbon-Nanotube Composites as Li-S Cathode Hosts. <i>Advanced Materials</i> , <b>2017</b> , 29, 1603040	24	451
11	A Comprehensive Approach toward Stable Lithium-Sulfur Batteries with High Volumetric Energy Density. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601630	21.8	240
10	Advances in lithium-Sulfur batteries based on multifunctional cathodes and electrolytes. <i>Nature Energy</i> , <b>2016</b> , 1,	62.3	1317
9	In Situ Reactive Assembly of Scalable Core-Shell Sulfur-MnO <sub>2</sub> Composite Cathodes. <i>ACS Nano</i> , <b>2016</b> , 10, 4192-8	16.7	302
8	Tuning Transition Metal Oxide-Sulfur Interactions for Long Life Lithium Sulfur Batteries: The "Goldilocks" Principle. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1501636	21.8	448
7	Lithium-Sulfur Batteries: Tuning Transition Metal Oxide-Sulfur Interactions for Long Life Lithium Sulfur Batteries: The "Goldilocks" Principle (Adv. Energy Mater. 6/2016). <i>Advanced Energy Materials</i> , <b>2016</b> , 6,	21.8	3
6	Sulfur Cathodes Based on Conductive MXene Nanosheets for High-Performance Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 3979-3983	3.6	158

5	A nitrogen and sulfur dual-doped carbon derived from polyrhodanine@cellulose for advanced lithium-sulfur batteries. <i>Advanced Materials</i> , <b>2015</b> , 27, 6021-8	24	595
4	A highly efficient polysulfide mediator for lithium-sulfur batteries. <i>Nature Communications</i> , <b>2015</b> , 6, 5682	17.4	1385
3	Sulfur cathodes based on conductive MXene nanosheets for high-performance lithium-sulfur batteries. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 3907-11	16.4	848
2	A Tandem Electrocatalysis of Sulfur Reduction by Bimetal 2D MOFs. <i>Advanced Energy Materials</i> , 2102819	21.8	9
1	Long-Life Zn Anode Enabled by Low Volume Concentration of a Benign Electrolyte Additive. <i>Advanced Functional Materials</i> , 2200606	15.6	5