# Xiao Liang

## List of Publications by Citations



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|---|---|---|---|
| 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 | A highly efficient polysulfide mediator for lithium-sulfur batteries. *Nature Communications*, **2015**, 6, 5682 | 17.4 | 1385 |
| 21 | Advances in lithium–sulfur batteries based on multifunctional cathodes and electrolytes. *Nature Energy*, **2016**, 1, | 62.3 | 1317 |
| 20 | Sulfur cathodes based on conductive MXene nanosheets for high-performance lithium-sulfur batteries. *Angewandte Chemie - International Edition*, **2015**, 54, 3907-11 | 16.4 | 848 |
| 19 | A facile surface chemistry route to a stabilized lithium metal anode. *Nature Energy*, **2017**, 2, | 62.3 | 618 |
| 18 | A nitrogen and sulfur dual-doped carbon derived from polyrhodanine@cellulose for advanced lithium-sulfur batteries. *Advanced Materials*, **2015**, 27, 6021-8 | 24 | 595 |
| 17 | Interwoven MXene Nanosheet/Carbon-Nanotube Composites as Li-S Cathode Hosts. *Advanced Materials*, **2017**, 29, 1603040 | 24 | 451 |
| 16 | Tuning Transition Metal Oxide–Sulfur Interactions for Long Life Lithium Sulfur Batteries: The "Goldilocks" Principle. *Advanced Energy Materials*, **2016**, 6, 1501636 | 21.8 | 448 |
| 15 | In Situ Reactive Assembly of Scalable Core-Shell Sulfur-MnO2 Composite Cathodes. *ACS Nano*, **2016**, 10, 4192-8 | 16.7 | 302 |
| 14 | A Comprehensive Approach toward Stable Lithium–Sulfur Batteries with High Volumetric Energy Density. *Advanced Energy Materials*, **2017**, 7, 1601630 | 21.8 | 240 |
| 13 | Sulfur Cathodes Based on Conductive MXene Nanosheets for High-Performance Lithium–Sulfur Batteries. *Angewandte Chemie*, **2015**, 127, 3979-3983 | 3.6 | 158 |
| 12 | Stabilizing Lithium Plating by a Biphasic Surface Layer Formed In Situ. *Angewandte Chemie - International Edition*, **2018**, 57, 9795-9798 | 16.4 | 98 |
| 11 | A four-electron Zn-I aqueous battery enabled by reversible I/I/I conversion. *Nature Communications*, **2021**, 12, 170 | 17.4 | 31 |
| 10 | Stabilizing Lithium Plating by a Biphasic Surface Layer Formed In Situ. *Angewandte Chemie*, **2018**, 130, 9943-9946 | 3.6 | 31 |
| 9 | Comprehensive Design of the High-Sulfur-Loading Li-S Battery Based on MXene Nanosheets. *Nano-Micro Letters*, **2020**, 12, 112 | 19.5 | 30 |
| 8 | Insights into the Structure Stability of Prussian Blue for Aqueous Zinc Ion Batteries. *Energy and Environmental Materials*, **2021**, 4, 111-116 | 13 | 28 |
| 7 | Akin solid–solid biphasic conversion of a Li–S battery achieved by coordinated carbonate electrolytes. *Journal of Materials Chemistry A*, **2019**, 7, 12498-12506 | 13 | 26 |
| 6 | A High-Performance Aqueous Zinc-Bromine Static Battery. *IScience*, **2020**, 23, 101348 | 6.1 | 24 |

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|---|---|---|---|
| 5 | A Tandem Electrocatalysis of Sulfur Reduction by Bimetal 2D MOFs. *Advanced Energy Materials*,2102819 | 21.8 | 9 |
| 4 | Size-Dependent Cobalt Catalyst for Lithium Sulfur Batteries: From Single Atoms to Nanoclusters and Nanoparticles.. *Small Methods*, **2021**, 5, e2100571 | 12.8 | 6 |
| 3 | Long-Life Zn Anode Enabled by Low Volume Concentration of a Benign Electrolyte Additive. *Advanced Functional Materials*,2200606 | 15.6 | 5 |
| 2 | Electrolyte Solvation Chemistry for the Solution of High-Donor-Number Solvent for Stable Li-S Batteries.. *Small*, **2022**, e2200046 | 11 | 4 |
| 1 | Lithium-Sulfur Batteries: Tuning Transition Metal Oxide–Sulfur Interactions for Long Life Lithium Sulfur Batteries: The "Goldilocks" Principle (Adv. Energy Mater. 6/2016). *Advanced Energy Materials*, **2016**, 6, | 21.8 | 3 |