

# Xiang Li

## List of Publications by Year in descending order

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38  
papers

2,369  
citations

236612

25  
h-index

315357

38  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2829  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances of entropy-stabilized homologous compounds for electrochemical energy storage. Journal of Energy Chemistry, 2022, 67, 276-289.	7.1	22
2	Synergetic Anion-Cation Redox Ensures a Highly Stable Layered Cathode for Sodium-Ion Batteries. Advanced Science, 2022, 9, e2105280.	5.6	27
3	Regulating dissolution chemistry of nitrates in carbonate electrolyte for high-stable lithium metal batteries. Journal of Energy Chemistry, 2022, 73, 422-428.	7.1	7
4	Anion Intercalation of $VS_4$ Triggers Atomic Sulfur Transfer to Organic Disulfide in Rechargeable Lithium Battery. Advanced Functional Materials, 2021, 31, 2009875.	7.8	28
5	Cu(NO <sub>3</sub> ) <sub>2</sub> as efficient electrolyte additive for 4V class Li metal batteries with ultrahigh stability. Energy Storage Materials, 2021, 37, 1-7.	9.5	33
6	A high-energy-density and long-life initial-anode-free lithium battery enabled by a Li <sub>2</sub> O sacrificial agent. Nature Energy, 2021, 6, 653-662.	19.8	175
7	Tuning Solvation Behavior of Ester-Based Electrolytes toward Highly Stable Lithium-Metal Batteries. ACS Applied Materials & Interfaces, 2021, 13, 40582-40589.	4.0	9
8	<i>In Situ</i> Synthesis of Vacancy-Rich Titanium Sulfide Confined in a Hollow Carbon Nanocage as an Efficient Sulfur Host for Lithium-Sulfur Batteries. ACS Applied Energy Materials, 2021, 4, 10104-10113.	2.5	15
9	SnP <sub>0.94</sub> nanodots confined carbon aerogel with porous hollow superstructures as an exceptional polysulfide electrocatalyst and adsorption nest to enable enhanced lithium-sulfur batteries. Chemical Engineering Journal, 2021, 420, 129724.	6.6	16
10	Nitrate additives for lithium batteries: Mechanisms, applications, and prospects. EScience, 2021, 1, 108-123.	25.0	98
11	Identifying Anionic Redox Activity within the Related O <sub>3</sub> - and P <sub>2</sub> -Type Cathodes for Sodium-Ion Battery. ACS Applied Materials & Interfaces, 2020, 12, 851-857.	4.0	28
12	Porous Hollow Carbon Aerogel-Assembled Core@Polypyrrole Nanoparticle Shell as an Efficient Sulfur Host through a Tunable Molecular Self-Assembly Method for Rechargeable Lithium/Sulfur Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 15822-15833.	3.2	29
13	Controlled synthesis of three-dimensional porous carbon aerogel via catalysts: effects of morphologies toward the performance of lithium-sulfur batteries. Solid State Ionics, 2020, 347, 115248.	1.3	24
14	Highly Concentrated Electrolyte towards Enhanced Energy Density and Cycling Life of Dual-Ion Battery. Angewandte Chemie - International Edition, 2020, 59, 17924-17930.	7.2	99
15	Highly Concentrated Electrolyte towards Enhanced Energy Density and Cycling Life of Dual-Ion Battery. Angewandte Chemie, 2020, 132, 18080-18086.	1.6	6
16	Stabilizing Reversible Oxygen Redox Chemistry in Layered Oxides for Sodium-Ion Batteries. Advanced Energy Materials, 2020, 10, 1903785.	10.2	87
17	A Superlattice-Stabilized Layered Oxide Cathode for Sodium-Ion Batteries. Advanced Materials, 2020, 32, e1907936.	11.1	50
18	Sulfur double encapsulated in a porous hollow carbon aerogel with interconnected micropores for advanced lithium-sulfur batteries. Journal of Alloys and Compounds, 2020, 834, 155190.	2.8	24

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19	Unraveling the anionic oxygen loss and related structural evolution within O3-type Na layered oxide cathodes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20405-20413.	5.2	23
20	Restraining Oxygen Loss and Suppressing Structural Distortion in a Newly Ti-Substituted Layered Oxide $\text{P2-Na}_{0.66}\text{Li}_{0.22}\text{Ti}_{0.15}\text{Mn}_{0.63}\text{O}_{2 \times}$ . <i>ACS Energy Letters</i> , 2019, 4, 2409-2417.	8.8	112
21	A New Type of Li-Rich Rock-Salt Oxide $\text{Li}_2\text{Ni}_{1/3}\text{Ru}_{2/3}\text{O}_3$ with Reversible Anionic Redox Chemistry. <i>Advanced Materials</i> , 2019, 31, e1807825.	11.1	90
22	$\text{Na}_2\text{Ru}_x\text{Mn}_x\text{O}_3$ as the cathode for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4395-4399.	5.2	24
23	Lithium-Doping Stabilized High-Performance $\text{P2-Na}_{0.66}\text{Li}_{0.18}\text{Fe}_{0.12}\text{Mn}_{0.7}\text{O}_2$ Cathode for Sodium Ion Batteries. <i>Journal of the American Chemical Society</i> , 2019, 141, 6680-6689.	6.6	187
24	A Concentrated Ternary Salts Electrolyte for High Reversible Li Metal Battery with Slight Excess Li. <i>Advanced Energy Materials</i> , 2019, 9, 1803372.	10.2	167
25	Direct Visualization of the Reversible $\text{O}^{2\hat{a}}$ / $\text{O}^{\hat{a}}$ Redox Process in Li-Rich Cathode Materials. <i>Advanced Materials</i> , 2018, 30, e1705197.	11.1	264
26	Reversible anionic redox activity in $\text{Na}_3\text{RuO}_4$ cathodes: a prototype Na-rich layered oxide. <i>Energy and Environmental Science</i> , 2018, 11, 299-305.	15.6	126
27	MOF-Based Separator in an $\text{LiO}_2$ Battery: An Effective Strategy to Restrain the Shuttling of Dual Redox Mediators. <i>ACS Energy Letters</i> , 2018, 3, 463-468.	8.8	151
28	Amorphous $\text{P}_2\text{S}_5/\text{C}$ Composite as High-Performance Anode Materials for Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 16-20.	4.0	20
29	Boosting the Cycle Life of Aprotic $\text{LiO}_2$ Batteries via a Photo-Assisted Hybrid $\text{Li}_2\text{O}_2$ -Scavenging Strategy. <i>Small Methods</i> , 2018, 2, 1700284.	4.6	47
30	High-Voltage Li-Ion Full Cells with Ultralong Term Cycle Life at Elevated Temperature. <i>Advanced Energy Materials</i> , 2018, 8, 1802322.	10.2	34
31	A Multifunctional Silly-Putty Nanocomposite Spontaneously Repairs Cathode Composite for Advanced Li-S Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1804777.	7.8	52
32	A Hybrid Electrolytes Design for Capacity-Equivalent Dual-Graphite Battery with Superior Long-Term Cycle Life. <i>Advanced Energy Materials</i> , 2018, 8, 1801120.	10.2	50
33	An ultrafast rechargeable lithium metal battery. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15517-15522.	5.2	43
34	A High-Crystalline $\text{NaV}_{1.25}\text{Ti}_{0.75}\text{O}_4$ Anode for Wide-Temperature Sodium-Ion Battery. <i>Advanced Energy Materials</i> , 2018, 8, 1801162.	10.2	41
35	A Li-ion oxygen battery with Li-Si alloy anode prepared by a mechanical method. <i>Electrochemistry Communications</i> , 2017, 78, 11-15.	2.3	27
36	A battery with sulphur cathode and lithiated graphite anode based on Lithium shuttle reaction. <i>Materials Technology</i> , 2016, 31, 517-520.	1.5	9

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37	Research on Effective Oxygen Window Influencing the Capacity of Li <sup>+</sup> O <sub>2</sub> Batteries. ACS Applied Materials & Interfaces, 2016, 8, 10375-10382.	4.0	24
38	Progress in research on Li <sup>+</sup> CO <sub>2</sub> batteries: Mechanism, catalyst and performance. Chinese Journal of Catalysis, 2016, 37, 1016-1024.	6.9	101