

# Qiuyan Li

## List of Publications by Citations

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27  
papers

4,651  
citations

25  
h-index

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g-index

28  
ext. papers

6,180  
ext. citations

22.4  
avg, IF

5.53  
L-index

#	Paper	IF	Citations
27	Pathways for practical high-energy long-cycling lithium metal batteries. <i>Nature Energy</i> , <b>2019</b> , 4, 180-186	62.3	1202
26	Stable cycling of high-voltage lithium metal batteries in ether electrolytes. <i>Nature Energy</i> , <b>2018</b> , 3, 739-746	46.3	466
25	High Energy Density Lithium Sulfur Batteries: Challenges of Thick Sulfur Cathodes. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1402290	21.8	424
24	Localized High-Concentration Sulfone Electrolytes for High-Efficiency Lithium-Metal Batteries. <i>CheM</i> , <b>2018</b> , 4, 1877-1892	16.2	348
23	High-energy lithium metal pouch cells with limited anode swelling and long stable cycles. <i>Nature Energy</i> , <b>2019</b> , 4, 551-559	62.3	283
22	Critical Parameters for Evaluating Coin Cells and Pouch Cells of Rechargeable Li-Metal Batteries. <i>Joule</i> , <b>2019</b> , 3, 1094-1105	27.8	219
21	Understanding and applying coulombic efficiency in lithium metal batteries. <i>Nature Energy</i> , <b>2020</b> , 5, 561-568	62.3	201
20	Behavior of Lithium Metal Anodes under Various Capacity Utilization and High Current Density in Lithium Metal Batteries. <i>Joule</i> , <b>2018</b> , 2, 110-124	27.8	194
19	A Localized High-Concentration Electrolyte with Optimized Solvents and Lithium Difluoro(oxalate)borate Additive for Stable Lithium Metal Batteries. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 2059-2067	20.1	164
18	High-Concentration Ether Electrolytes for Stable High-Voltage Lithium Metal Batteries. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 896-902	20.1	160
17	Guided Lithium Metal Deposition and Improved Lithium Coulombic Efficiency through Synergistic Effects of LiAsF6 and Cyclic Carbonate Additives. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 14-19	20.1	120
16	Dendrite-Free and Performance-Enhanced Lithium Metal Batteries through Optimizing Solvent Compositions and Adding Combinational Additives. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1703022	21.8	95
15	Li-Desolvation Dictating Lithium-Ion Battery's Low-Temperature Performances. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 42761-42768	9.5	95
14	High-Performance Silicon Anodes Enabled By Nonflammable Localized High-Concentration Electrolytes. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900784	21.8	92
13	Wide-Temperature Electrolytes for Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 18826-18835	9.5	86
12	Effects of Imide-Orthoborate Dual-Salt Mixtures in Organic Carbonate Electrolytes on the Stability of Lithium Metal Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 2469-2479	9.5	75
11	Formation of Reversible Solid Electrolyte Interface on Graphite Surface from Concentrated Electrolytes. <i>Nano Letters</i> , <b>2017</b> , 17, 1602-1609	11.5	64

10	Enhanced Stability of Li Metal Anodes by Synergetic Control of Nucleation and the Solid Electrolyte Interphase. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1901764	21.8	63
9	High-Power Lithium Metal Batteries Enabled by High-Concentration Acetonitrile-Based Electrolytes with Vinylene Carbonate Additive. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2001285	15.6	60
8	Enabling High-Energy-Density Cathode for Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 23094-23102	9.5	48
7	High performance Li-ion sulfur batteries enabled by intercalation chemistry. <i>Chemical Communications</i> , <b>2015</b> , 51, 13454-7	5.8	45
6	Enhanced Stability of Lithium Metal Anode by using a 3D Porous Nickel Substrate. <i>ChemElectroChem</i> , <b>2018</b> , 5, 761-769	4.3	41
5	Polymer-in-Quasi-Ionic Liquid Electrolytes for High-Voltage Lithium Metal Batteries. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1902108	21.8	39
4	A Micrometer-Sized Silicon/Carbon Composite Anode Synthesized by Impregnation of Petroleum Pitch in Nanoporous Silicon. <i>Advanced Materials</i> , <b>2021</b> , 33, e2103095	24	28
3	Electrode Edge Effects and the Failure Mechanism of Lithium-Metal Batteries. <i>ChemSusChem</i> , <b>2018</b> , 11, 3821-3828	8.3	25
2	Toward the Practical Use of Cobalt-Free Lithium-Ion Batteries by an Advanced Ether-Based Electrolyte. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 44339-44347	9.5	13
1	To Pave the Way for Large-Scale Electrode Processing of Moisture-Sensitive Ni-Rich Cathodes. <i>Journal of the Electrochemical Society</i> , <b>2022</b> , 169, 020521	3.9	1