

Qiuyan Li

List of Publications by Year in descending order

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27
papers

7,851
citations

236833

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526166

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28
docs citations

28
times ranked

5926
citing authors

#	ARTICLE	IF	CITATIONS
1	To Pave the Way for Large-Scale Electrode Processing of Moisture-Sensitive Ni-Rich Cathodes. <i>Journal of the Electrochemical Society</i> , 2022, 169, 020521.	1.3	15
2	A Micrometer-Sized Silicon/Carbon Composite Anode Synthesized by Impregnation of Petroleum Pitch in Nanoporous Silicon. <i>Advanced Materials</i> , 2021, 33, e2103095.	11.1	99
3	Toward the Practical Use of Cobalt-Free Lithium-Ion Batteries by an Advanced Ether-Based Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 44339-44347.	4.0	24
4	Understanding and applying coulombic efficiency in lithium metal batteries. <i>Nature Energy</i> , 2020, 5, 561-568.	19.8	526
5	High-Power Lithium Metal Batteries Enabled by High-Concentration Acetonitrile-Based Electrolytes with Vinylene Carbonate Additive. <i>Advanced Functional Materials</i> , 2020, 30, 2001285.	7.8	121
6	High-Performance Silicon Anodes Enabled By Nonflammable Localized High-Concentration Electrolytes. <i>Advanced Energy Materials</i> , 2019, 9, 1900784.	10.2	175
7	Enhanced Stability of Li Metal Anodes by Synergetic Control of Nucleation and the Solid Electrolyte Interphase. <i>Advanced Energy Materials</i> , 2019, 9, 1901764.	10.2	108
8	Polymer-Incorporated Quasi-Ionic Liquid Electrolytes for High-Voltage Lithium Metal Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1902108.	10.2	65
9	High-energy lithium metal pouch cells with limited anode swelling and long stable cycles. <i>Nature Energy</i> , 2019, 4, 551-559.	19.8	492
10	High-Concentration Ether Electrolytes for Stable High-Voltage Lithium Metal Batteries. <i>ACS Energy Letters</i> , 2019, 4, 896-902.	8.8	302
11	Pathways for practical high-energy long-cycling lithium metal batteries. <i>Nature Energy</i> , 2019, 4, 180-186.	19.8	2,101
12	Critical Parameters for Evaluating Coin Cells and Pouch Cells of Rechargeable Li-Metal Batteries. <i>Joule</i> , 2019, 3, 1094-1105.	11.7	358
13	Dendrite-Free and Performance-Enhanced Lithium Metal Batteries through Optimizing Solvent Compositions and Adding Combinational Additives. <i>Advanced Energy Materials</i> , 2018, 8, 1703022.	10.2	123
14	Effects of Imide-Orthoborate Dual-Salt Mixtures in Organic Carbonate Electrolytes on the Stability of Lithium Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2469-2479.	4.0	110
15	Enhanced Stability of Lithium Metal Anode by using a 3D Porous Nickel Substrate. <i>ChemElectroChem</i> , 2018, 5, 761-769.	1.7	58
16	Behavior of Lithium Metal Anodes under Various Capacity Utilization and High Current Density in Lithium Metal Batteries. <i>Joule</i> , 2018, 2, 110-124.	11.7	280
17	Guided Lithium Metal Deposition and Improved Lithium Coulombic Efficiency through Synergistic Effects of LiAsF ₆ and Cyclic Carbonate Additives. <i>ACS Energy Letters</i> , 2018, 3, 14-19.	8.8	161
18	Electrode Edge Effects and the Failure Mechanism of Lithium-Metal Batteries. <i>ChemSusChem</i> , 2018, 11, 3821-3828.	3.6	35

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19	Stable cycling of high-voltage lithium metal batteries in ether electrolytes. <i>Nature Energy</i> , 2018, 3, 739-746.	19.8	767
20	A Localized High-Concentration Electrolyte with Optimized Solvents and Lithium Difluoro(oxalate)borate Additive for Stable Lithium Metal Batteries. <i>ACS Energy Letters</i> , 2018, 3, 2059-2067.	8.8	257
21	Enabling High-Energy-Density Cathode for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 23094-23102.	4.0	67
22	Localized High-Concentration Sulfone Electrolytes for High-Efficiency Lithium-Metal Batteries. <i>CheM</i> , 2018, 4, 1877-1892.	5.8	628
23	Formation of Reversible Solid Electrolyte Interface on Graphite Surface from Concentrated Electrolytes. <i>Nano Letters</i> , 2017, 17, 1602-1609.	4.5	91
24	Wide-Temperature Electrolytes for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18826-18835.	4.0	150
25	Li ⁺ -Desolvation Dictating Lithium-Ion Battery's Low-Temperature Performances. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 42761-42768.	4.0	200
26	High performance Li-ion sulfur batteries enabled by intercalation chemistry. <i>Chemical Communications</i> , 2015, 51, 13454-13457.	2.2	55
27	High Energy Density Lithium-Sulfur Batteries: Challenges of Thick Sulfur Cathodes. <i>Advanced Energy Materials</i> , 2015, 5, 1402290.	10.2	483