Qiuyan Li

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.

27 papers	4,651 citations	25 h-index	28 g-index
28 ext. papers	6,180 ext. citations	22.4 avg, IF	5.53 L-index

#	Paper	IF	Citations
27	To Pave the Way for Large-Scale Electrode Processing of Moisture-Sensitive Ni-Rich Cathodes. *Journal of the Electrochemical Society*, **2022**, 169, 020521	3.9	1
26	A Micrometer-Sized Silicon/Carbon Composite Anode Synthesized by Impregnation of Petroleum Pitch in Nanoporous Silicon. *Advanced Materials*, **2021**, 33, e2103095	24	28
25	Toward the Practical Use of Cobalt-Free Lithium-Ion Batteries by an Advanced Ether-Based Electrolyte. *ACS Applied Materials & Interfaces*, **2021**, 13, 44339-44347	9.5	13
24	Understanding and applying coulombic efficiency in lithium metal batteries. *Nature Energy*, **2020**, 5, 561-568	62.3	201
23	High-Power Lithium Metal Batteries Enabled by High-Concentration Acetonitrile-Based Electrolytes with Vinylene Carbonate Additive. *Advanced Functional Materials*, **2020**, 30, 2001285	15.6	60
22	High-energy lithium metal pouch cells with limited anode swelling and long stable cycles. *Nature Energy*, **2019**, 4, 551-559	62.3	283
21	High-Concentration Ether Electrolytes for Stable High-Voltage Lithium Metal Batteries. *ACS Energy Letters*, **2019**, 4, 896-902	20.1	160
20	Pathways for practical high-energy long-cycling lithium metal batteries. *Nature Energy*, **2019**, 4, 180-186	62.3	1202
19	High-Performance Silicon Anodes Enabled By Nonflammable Localized High-Concentration Electrolytes. *Advanced Energy Materials*, **2019**, 9, 1900784	21.8	92
18	Enhanced Stability of Li Metal Anodes by Synergetic Control of Nucleation and the Solid Electrolyte Interphase. *Advanced Energy Materials*, **2019**, 9, 1901764	21.8	63
17	Polymer-in-Quasi-Ionic Liquid Electrolytes for High-Voltage Lithium Metal Batteries. *Advanced Energy Materials*, **2019**, 9, 1902108	21.8	39
16	Critical Parameters for Evaluating Coin Cells and Pouch Cells of Rechargeable Li-Metal Batteries. *Joule*, **2019**, 3, 1094-1105	27.8	219
15	Dendrite-Free and Performance-Enhanced Lithium Metal Batteries through Optimizing Solvent Compositions and Adding Combinational Additives. *Advanced Energy Materials*, **2018**, 8, 1703022	21.8	95
14	Effects of Imide-Orthoborate Dual-Salt Mixtures in Organic Carbonate Electrolytes on the Stability of Lithium Metal Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 2469-2479	9.5	75
13	Enhanced Stability of Lithium Metal Anode by using a 3D Porous Nickel Substrate. *ChemElectroChem*, **2018**, 5, 761-769	4.3	41
12	A Localized High-Concentration Electrolyte with Optimized Solvents and Lithium Difluoro(oxalate)borate Additive for Stable Lithium Metal Batteries. *ACS Energy Letters*, **2018**, 3, 2059-2067	20.1	164
11	Enabling High-Energy-Density Cathode for Lithium-Sulfur Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 23094-23102	9.5	48

10	Localized High-Concentration Sulfone Electrolytes for High-Efficiency Lithium-Metal Batteries. *CheM*, **2018**, 4, 1877-1892	16.2	348
9	Behavior of Lithium Metal Anodes under Various Capacity Utilization and High Current Density in Lithium Metal Batteries. *Joule*, **2018**, 2, 110-124	27.8	194
8	Guided Lithium Metal Deposition and Improved Lithium Coulombic Efficiency through Synergistic Effects of LiAsF6 and Cyclic Carbonate Additives. *ACS Energy Letters*, **2018**, 3, 14-19	20.1	120
7	Electrode Edge Effects and the Failure Mechanism of Lithium-Metal Batteries. *ChemSusChem*, **2018**, 11, 3821-3828	8.3	25
6	Stable cycling of high-voltage lithium metal batteries in ether electrolytes. *Nature Energy*, **2018**, 3, 739-746	46.3	466
5	Formation of Reversible Solid Electrolyte Interface on Graphite Surface from Concentrated Electrolytes. *Nano Letters*, **2017**, 17, 1602-1609	11.5	64
4	Wide-Temperature Electrolytes for Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 18826-18835	9.5	86
3	Li-Desolvation Dictating Lithium-Ion Battery's Low-Temperature Performances. *ACS Applied Materials & Interfaces*, **2017**, 9, 42761-42768	9.5	95
2	High performance Li-ion sulfur batteries enabled by intercalation chemistry. *Chemical Communications*, **2015**, 51, 13454-7	5.8	45
1	High Energy Density Lithium-Sulfur Batteries: Challenges of Thick Sulfur Cathodes. *Advanced Energy Materials*, **2015**, 5, 1402290	21.8	424