

# Liming Jin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9229756/publications.pdf>

Version: 2024-02-01

25  
papers

1,123  
citations

471509  
17  
h-index

580821  
25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1202  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrode Materials, Electrolytes, and Challenges in Nonaqueous Lithium-Ion Capacitors. <i>Advanced Materials</i> , 2018, 30, e1705670.	21.0	334
2	Progress and perspectives on pre-lithiation technologies for lithium ion capacitors. <i>Energy and Environmental Science</i> , 2020, 13, 2341-2362.	30.8	142
3	Pre-Lithiation Strategies for Next-Generation Practical Lithium-Ion Batteries. <i>Advanced Science</i> , 2021, 8, e2005031.	11.2	103
4	A novel laminated separator with multi functions for high-rate dischargeable lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2015, 283, 524-529.	7.8	60
5	A universal matching approach for high power-density and high cycling-stability lithium ion capacitor. <i>Journal of Power Sources</i> , 2019, 441, 227211.	7.8	51
6	Toward high energy-density and long cycling-lifespan lithium ion capacitors: a 3D carbon modified low-potential $\text{Li}_{2\text{TiSiO}_5}$ anode coupled with a lignin-derived activated carbon cathode. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8234-8244.	10.3	46
7	Preparation, characterization and application of modified macroporous carbon with Co N site for long-life lithium-sulfur battery. <i>Journal of Power Sources</i> , 2016, 328, 536-542.	7.8	44
8	Target-oriented electrode constructions toward ultra-fast and ultra-stable all-graphene lithium ion capacitors. <i>Energy Storage Materials</i> , 2019, 23, 409-417.	18.0	42
9	Metallically conductive $\text{TiB}_2$ as a multi-functional separator modifier for improved lithium sulfur batteries. <i>Journal of Power Sources</i> , 2020, 448, 227336.	7.8	34
10	Overpotential Tailored Thin and Dense Lithium Carbonate Growth in Solid Electrolyte Interphase for Advanced Lithium Ion Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	32
11	Exploiting a hybrid lithium ion power source with a high energy density over $30\text{Wh/kg}$ . <i>Materials Today Energy</i> , 2018, 7, 51-57.	4.7	31
12	A novel strategy for high-stability lithium sulfur batteries by in situ formation of polysulfide adsorptive-blocking layer. <i>Journal of Power Sources</i> , 2017, 355, 147-153.	7.8	30
13	An Overview on Design Parameters of Practical Lithium-Ion Capacitors. <i>Batteries and Supercaps</i> , 2021, 4, 749-757.	4.7	29
14	$\text{TiO}_2$ microboxes as effective polysulfide reservoirs for lithium sulfur batteries. <i>Electrochimica Acta</i> , 2019, 296, 39-48.	5.2	26
15	A Minireview on High-Performance Anodes for Lithium-Ion Capacitors. <i>Batteries and Supercaps</i> , 2021, 4, 897-908.	4.7	20
16	The influence of electrode matching on capacity decaying of hybrid lithium ion capacitor. <i>Journal of Electroanalytical Chemistry</i> , 2019, 845, 84-91.	3.8	19
17	The effect of electrolyte additives on the rate performance of hard carbon anode at low temperature for lithium-ion capacitor. <i>Chinese Chemical Letters</i> , 2022, 33, 3889-3893.	9.0	18
18	Fabrication of Dual-Modified Carbon Network Enabling Improved Electronic and Ionic Conductivities for Fast and Durable $\text{Li}_{2\text{TiSiO}_5}$ Anodes. <i>ChemElectroChem</i> , 2019, 6, 3020-3029.	3.4	16

#	ARTICLE	IF	CITATIONS
19	Long-term dynamic durability test datasets for single proton exchange membrane fuel cell. Data in Brief, 2021, 35, 106775.	1.0	13
20	Synthesis and activities of IrO <sub>2</sub> /Ti <sub>1-x</sub> W <sub>x</sub> O <sub>2</sub> electrocatalyst for oxygen evolution in solid polymer electrolyte water electrolyzer. Journal of Electroanalytical Chemistry, 2019, 833, 471-479.	3.8	12
21	Theoretically Quantifying the Effect of Pre-Lithiation on Energy Density of Li-Ion Batteries. Journal of the Electrochemical Society, 2021, 168, 010532.	2.9	7
22	TiO <sub>2</sub> microbox/carbon nanotube composite-modified separator for high-performance lithium-sulfur batteries. Journal of Solid State Electrochemistry, 2021, 25, 949-961.	2.5	5
23	Communication—A Simple and Scalable Pre-Lithiation Approach for High Energy and Low Cost Lithium Ion Sulfur Batteries. Journal of the Electrochemical Society, 2020, 167, 060517.	2.9	4
24	Constructing an unbalanced structure toward high working voltage for improving energy density of non-aqueous carbon-based electrochemical capacitors. Chinese Chemical Letters, 2020, 31, 903-908.	9.0	3
25	Research on the Capacity and Detrimental Impacts of the Waiting Area for Straight and Right-Turn Vehicles. , 2016, , .		1