

Liming Jin

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,123
citations

471061

17
h-index

580395

25
g-index

26
all docs

26
docs citations

26
times ranked

1202
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of electrolyte additives on the rate performance of hard carbon anode at low temperature for lithium-ion capacitor. Chinese Chemical Letters, 2022, 33, 3889-3893.	4.8	18
2	Overpotential Tailored Thin and Dense Lithium Carbonate Growth in Solid Electrolyte Interphase for Advanced Lithium Ion Batteries. Advanced Energy Materials, 2022, 12, .	10.2	32
3	TiO ₂ microbox/carbon nanotube composite-modified separator for high-performance lithium-sulfur batteries. Journal of Solid State Electrochemistry, 2021, 25, 949-961.	1.2	5
4	Theoretically Quantifying the Effect of Pre-Lithiation on Energy Density of Li-Ion Batteries. Journal of the Electrochemical Society, 2021, 168, 010532.	1.3	7
5	An Overview on Design Parameters of Practical Lithium-Ion Capacitors. Batteries and Supercaps, 2021, 4, 749-757.	2.4	29
6	A Minireview on High-Performance Anodes for Lithium-Ion Capacitors. Batteries and Supercaps, 2021, 4, 897-908.	2.4	20
7	Pre-Lithiation Strategies for Next-Generation Practical Lithium-Ion Batteries. Advanced Science, 2021, 8, e2005031.	5.6	103
8	Long-term dynamic durability test datasets for single proton exchange membrane fuel cell. Data in Brief, 2021, 35, 106775.	0.5	13
9	Metallically conductive TiB ₂ as a multi-functional separator modifier for improved lithium sulfur batteries. Journal of Power Sources, 2020, 448, 227336.	4.0	34
10	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.	4.8	3
11	Progress and perspectives on pre-lithiation technologies for lithium ion capacitors. Energy and Environmental Science, 2020, 13, 2341-2362.	15.6	142
12	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.	1.3	4
13	A universal matching approach for high power-density and high cycling-stability lithium ion capacitor. Journal of Power Sources, 2019, 441, 227211.	4.0	51
14	The influence of electrode matching on capacity decaying of hybrid lithium ion capacitor. Journal of Electroanalytical Chemistry, 2019, 845, 84-91.	1.9	19
15	Target-oriented electrode constructions toward ultra-fast and ultra-stable all-graphene lithium ion capacitors. Energy Storage Materials, 2019, 23, 409-417.	9.5	42
16	Toward high energy-density and long cycling-lifespan lithium ion capacitors: a 3D carbon modified low-potential Li ₂ TiSiO ₅ anode coupled with a lignin-derived activated carbon cathode. Journal of Materials Chemistry A, 2019, 7, 8234-8244.	5.2	46
17	Fabrication of Dual-Modified Carbon Network Enabling Improved Electronic and Ionic Conductivities for Fast and Durable Li ₂ TiSiO ₅ Anodes. ChemElectroChem, 2019, 6, 3020-3029.	1.7	16
18	TiO ₂ microboxes as effective polysulfide reservoirs for lithium sulfur batteries. Electrochimica Acta, 2019, 296, 39-48.	2.6	26

#	ARTICLE	IF	CITATIONS
19	Synthesis and activities of IrO ₂ /Ti _{1-x} W _x O ₂ electrocatalyst for oxygen evolution in solid polymer electrolyte water electrolyzer. <i>Journal of Electroanalytical Chemistry</i> , 2019, 833, 471-479.	1.9	12
20	Exploiting a hybrid lithium ion power source with a high energy density over 30 Wh/kg. <i>Materials Today Energy</i> , 2018, 7, 51-57.	2.5	31
21	Electrode Materials, Electrolytes, and Challenges in Nonaqueous Lithium-Ion Capacitors. <i>Advanced Materials</i> , 2018, 30, e1705670.	11.1	334
22	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.	4.0	30
23	Research on the Capacity and Detrimental Impacts of the Waiting Area for Straight and Right-Turn Vehicles. , 2016, , .		1
24	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.	4.0	44
25	A novel laminated separator with multi functions for high-rate dischargeable lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2015, 283, 524-529.	4.0	60