

Tao Li

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,018
citations

361296

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642610

23
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docs citations

24
times ranked

2531
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorinated Solid-Electrolyte Interphase in High-Voltage Lithium Metal Batteries. <i>Joule</i> , 2019, 3, 2647-2661.	11.7	432
2	A Sustainable Solid Electrolyte Interphase for High-Energy-Density Lithium Metal Batteries Under Practical Conditions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3252-3257.	7.2	221
3	A short process for the efficient utilization of transition-metal chlorides in lithium-ion batteries: A case of Ni _{0.8} Co _{0.1} Mn _{0.1} O _{1.1} and LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ . <i>Journal of Power Sources</i> , 2017, 342, 495-503.	4.0	203
4	A review of transition metal chalcogenide/graphene nanocomposites for energy storage and conversion. <i>Chinese Chemical Letters</i> , 2017, 28, 2180-2194.	4.8	176
5	A novel NiCo ₂ O ₄ anode morphology for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11970-11975.	5.2	127
6	Stable Anion-Derived Solid Electrolyte Interphase in Lithium Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22683-22687.	7.2	125
7	A new design concept for preparing nickel-foam-supported metal oxide microspheres with superior electrochemical properties. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13469-13474.	5.2	91
8	Recent progress in carbon/lithium metal composite anode for safe lithium metal batteries. <i>Rare Metals</i> , 2018, 37, 449-458.	3.6	86
9	Advanced metal sulfide anode for potassium ion batteries. <i>Journal of Energy Chemistry</i> , 2018, 27, 373-374.	7.1	68
10	A Sustainable Solid Electrolyte Interphase for High-Energy-Density Lithium Metal Batteries Under Practical Conditions. <i>Angewandte Chemie</i> , 2020, 132, 3278-3283.	1.6	60
11	Robust synthesis of hierarchical mesoporous hybrid NiO@MnCo ₂ O ₄ microspheres and their application in Lithium-ion batteries. <i>Electrochimica Acta</i> , 2016, 191, 392-400.	2.6	50
12	New Insights on the Good Compatibility of Ether-Based Localized High-Concentration Electrolyte with Lithium Metal. , 2021, 3, 838-844.		50
13	One-step synthesis of Li-doped NiO as high-performance anode material for lithium ion batteries. <i>Ceramics International</i> , 2016, 42, 14565-14572.	2.3	42
14	Synthesis of nanoparticles-assembled Co ₃ O ₄ microspheres as anodes for Li-ion batteries by spray pyrolysis of CoCl ₂ solution. <i>Electrochimica Acta</i> , 2016, 209, 456-463.	2.6	36
15	Dendrite-free sandwiched ultrathin lithium metal anode with even lithium plating and stripping behavior. <i>Nano Research</i> , 2019, 12, 2224-2229.	5.8	36
16	Mesoporous Graphene Hosts for Dendrite-Free Lithium Metal Anode in Working Rechargeable Batteries. <i>Transactions of Tianjin University</i> , 2020, 26, 127-134.	3.3	33
17	Electrochemical properties of LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ as cathode material for Li-ion batteries prepared by ultrasonic spray pyrolysis. <i>Materials Letters</i> , 2015, 159, 39-42.	1.3	32
18	Stable Anion-Derived Solid Electrolyte Interphase in Lithium Metal Batteries. <i>Angewandte Chemie</i> , 2021, 133, 22865-22869.	1.6	32

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19	Distinct impact of cobalt salt type on the morphology, microstructure, and electrochemical properties of Co ₃ O ₄ synthesized by ultrasonic spray pyrolysis. <i>Journal of Alloys and Compounds</i> , 2017, 696, 836-843.	2.8	29
20	Cave-embedded porous Mn ₂ O ₃ hollow microsphere as anode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2017, 247, 795-802.	2.6	25
21	Self-templated formation of hierarchical NiCo ₂ O ₄ yolk-shell microspheres with enhanced electrochemical properties. <i>Electrochimica Acta</i> , 2017, 244, 154-161.	2.6	20
22	Decoupling the degradation factors of Ni-rich NMC/Li metal batteries using concentrated electrolytes. <i>Energy Storage Materials</i> , 2021, 41, 222-229.	9.5	16
23	A novel hierarchical precursor of densely integrated hydroxide nanoflakes on oxide microspheres toward high-performance layered Ni-rich cathode for lithium ion batteries. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1822-1828.	3.2	14
24	Stable Solvent-Derived Inorganic-Rich Solid Electrolyte Interphase (SEI) for High-Voltage Lithium-Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 28014-28020.	4.0	14