De Li

List of Publications by Year
in descending order

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37	1,838	471509	315739
papers	citations	17 h-index	38 g-index

39	39	39	3211
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Defect Engineering of Carbons for Energy Conversion and Storage Applications. Energy and Environmental Materials, 2023, 6, .	12.8	28
2	Relieving the Reaction Heterogeneity at the Subparticle Scale in Ni-Rich Cathode Materials with Boosted Cyclability. ACS Applied Materials & Interfaces, 2022, 14, 6729-6739.	8.0	4
3	Fabrication of Single-Particle Microelectrodes and Their Electrochemical Properties. ACS Applied Materials & Interfaces, 2022, 14, 20981-20987.	8.0	4
4	Application of three-electrode technology in Li4Ti5O12 electrochemical oscillation system. Journal of Electroanalytical Chemistry, 2022, 918, 116494.	3.8	1
5	Electrochemical Oscillation during Galvanostatic Charging of LiCrTiO4 in Li-Ion Batteries. Materials, 2021, 14, 3624.	2.9	3
6	Preparation of LiFePO4 Powders by Ultrasonic Spray Drying Method and Their Memory Effect. Materials, 2021, 14, 3193.	2.9	5
7	Electrochemical Oscillation during the Galvanostatic Charging of Li₄Ti₅O₁₂ in Li-Ion Batteries. Journal of Physical Chemistry C, 2021, 125, 14549-14558.	3.1	6
8	Understanding the interlayer rearrangement toward enhanced lithium storage for LiBC anode. Chemical Communications, 2021, 57, 12492-12495.	4.1	1
9	Binder-Free Thin-Film Electrode Fabricated by Spray Drying Method: A Case of LiFePO4. Journal of Electrochemical Energy Conversion and Storage, 2021, 18, .	2.1	2
10	Improved cycling stability of LiNi0.6Co0.2Mn0.2O2 through microstructure consolidation by TiO2 coating for Li-ion batteries. Journal of Power Sources, 2020, 448, 227439.	7.8	56
11	The promotion of phase transitions for Ni-based layered cathode towards enhanced high-voltage cycle stability. Journal of Power Sources, 2020, 477, 228699.	7.8	20
12	Reversible Al-Site Switching and Consequent Memory Effect of Al-Doped Li4Ti5O12 in Li-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 17415-17423.	8.0	11
13	Radially Microstructural Design of LiNi_{0.8}Co_{0.1}Mn_{0.1}O₂ Cathode Material toward Long-Term Cyclability and High Rate Capability at High Voltage. ACS Applied Energy Materials, 2020, 3, 6657-6669.	5.1	26
14	High-Temperature Treatment to Improve the Capacity of LiBC Anode Material in Li-ion Battery. Frontiers in Energy Research, 2020, 8, .	2.3	2
15	Memory-effect-induced electrochemical oscillation of an Al-doped Li₄Ti₅O₁₂ composite in Li-ion batteries. Chemical Communications, 2019, 55, 1279-1282.	4.1	7
16	A stable filamentous coaxial microelectrode for Li-ion batteries: a case of olivine LiFePO₄. Chemical Communications, 2019, 55, 3529-3531.	4.1	7
17	High-voltage performance of concentration-gradient Li[Ni_{0.6}Co_{0.2}Mn_{0.2}]O₂ layered oxide cathode materials for lithium batteries. New Journal of Chemistry, 2018, 42, 5868-5874.	2.8	13
18	Electrochemical Oscillation in Li-Ion Batteries. Joule, 2018, 2, 1265-1277.	24.0	44

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19	Cathode materials with cross-stack structures for suppressing intergranular cracking and high-performance lithium-ion batteries. Electrochimica Acta, 2018, 261, 513-520.	5.2	11
20	Three-dimensional porous graphene-like sheets synthesized from biocarbon via low-temperature graphitization for a supercapacitor. Green Chemistry, 2018, 20, 694-700.	9.0	202
21	Crystallinity-dependent capacity of a LiBC anode material in Li-ion batteries. Physical Chemistry Chemical Physics, 2018, 20, 28176-28184.	2.8	4
22	Size-Dependent Memory Effect of the LiFePO₄ Electrode in Li-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 41407-41414.	8.0	17
23	Coin-Cell-Based In Situ Characterization Techniques for Li-Ion Batteries. Frontiers in Energy Research, 2018, 6, .	2.3	10
24	Lithium Borocarbide LiBC as an Anode Material for Rechargeable Li-Ion Batteries. Journal of Physical Chemistry C, 2018, 122, 18231-18236.	3.1	16
25	Hierarchical carbon microstructures prepared from oil-palm-shell tracheids for Liâ€“S batteries. New Journal of Chemistry, 2017, 41, 4110-4115.	2.8	12
26	Relaxation-Induced Memory Effect of LiFePO₄ Electrodes in Li-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 24561-24567.	8.0	23
27	Synthesis of Double-Shell SnO₂@C Hollow Nanospheres as Sulfur/Sulfide Cages for Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2016, 8, 27795-27802.	8.0	87
28	The water catalysis at oxygen cathodes of lithiumâ€“oxygen cells. Nature Communications, 2015, 6, 7843.	12.8	206
29	Promotional recyclable Li-ion batteries by a magnetic binder with anti-vibration and non-fatigue performance. Journal of Materials Chemistry A, 2015, 3, 15403-15407.	10.3	11
30	Doping-induced memory effect in Li-ion batteries: the case of Al-doped Li₄Ti₅O₁₂. Chemical Science, 2015, 6, 4066-4070.	7.4	23
31	Two-phase transition of Li-intercalation compounds in Li-ion batteries. Materials Today, 2014, 17, 451-463.	14.2	127
32	High stable post-spinel NaMn₂O₄ cathode of sodium ion battery. Journal of Materials Chemistry A, 2014, 2, 14822-14826.	10.3	59
33	Surface coating of lithiumâ€“manganese-rich layered oxides with delaminated MnO2 nanosheets as cathode materials for Li-ion batteries. Journal of Materials Chemistry A, 2014, 2, 4422.	10.3	112
34	The Sizeâ€Dependent Phase Transition of LiFePO₄ Particles during Charging and Discharging in Lithiumâ€Ion Batteries. Energy Technology, 2014, 2, 542-547.	3.8	23
35	A hybrid phase-transition model of olivine LiFePO4 for the charge and discharge processes. Journal of Power Sources, 2013, 233, 299-303.	7.8	15
36	Li₃VO₄: A Promising Insertion Anode Material for Lithiumâ€Ion Batteries. Advanced Energy Materials, 2013, 3, 428-432.	19.5	225

#	Article	IF	Citations
37	Layered lithium transition metal oxide cathodes towards high energy lithium-ion batteries. Journal of Materials Chemistry, 2012, 22, 3680.	6.7	409