Junyang Wang

List of Publications by Year
in descending order

19	1,170	687363 13	794594 19
papers	citations	h-index	g-index

19	19	19	1504
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural and chemical evolution in layered oxide cathodes of lithium-ion batteries revealed by synchrotron techniques. National Science Review, 2022, 9, nwab146.	9.5	27
2	Raising the Intrinsic Safety of Layered Oxide Cathodes by Surface Reâ€Lithiation with LLZTO Garnetâ€Type Solid Electrolytes. Advanced Materials, 2022, 34, e2200655.	21.0	30
3	Dynamic Control Strategy to Produce Riboflavin with Lignocellulose Hydrolysate in the Thermophile Geobacillus thermoglucosidasius. ACS Synthetic Biology, 2022, 11, 2163-2174.	3.8	3
4	Enhancing cycle stability of Li metal anode by using polymer separators coated with Ti-containing solid electrolytes. Rare Metals, 2021, 40, 1357-1365.	7.1	27
5	Reaction Mechanisms of Ta-Substituted Cubic Li₇La₃Zr₂O₁₂ with Solvents During Storage. ACS Applied Materials & Interfaces, 2021, 13, 38384-38393.	8.0	14
6	Size effect on the growth and pulverization behavior of Si nanodomains in SiO anode. Nano Energy, 2020, 78, 105101.	16.0	51
7	Stacking Faults Hinder Lithium Insertion in Li₂RuO₃. Advanced Energy Materials, 2020, 10, 2002631.	19.5	22
8	Hierarchical Defect Engineering for LiCoO2 through Low-Solubility Trace Element Doping. CheM, 2020, 6, 2759-2769.	11.7	74
9	The Thermal Stability of Lithium Solid Electrolytes with Metallic Lithium. Joule, 2020, 4, 812-821.	24.0	197
10	Suppressing transition metal dissolution and deposition in lithium-ion batteries using oxide solid electrolyte coated polymer separator*. Chinese Physics B, 2020, 29, 088201.	1.4	6
11	An In Situ Formed Surface Coating Layer Enabling LiCoO₂ with Stable 4.6 V Highâ€Voltage Cycle Performances. Advanced Energy Materials, 2020, 10, 2001413.	19.5	201
12	Realizing long-term cycling stability and superior rate performance of 4.5ÂVâ€“LiCoO2 by aluminum doped zinc oxide coating achieved by a simple wet-mixing method. Journal of Power Sources, 2020, 470, 228423.	7.8	57
13	In situ synthesis of a nickel concentration gradient structure of Ni-rich LiNi_{0.8}Co_{0.15}Al_{0.05}O₂ with promising superior electrochemical properties at high cut-off voltage. Nanoscale, 2020, 12, 11182-11191.	5.6	22
14	Stabilizing the Oxygen Lattice and Reversible Oxygen Redox Chemistry through Structural Dimensionality in Lithiumâ€Rich Cathode Oxides. Angewandte Chemie - International Edition, 2019, 58, 4323-4327.	13.8	114
15	Stabilizing the Oxygen Lattice and Reversible Oxygen Redox Chemistry through Structural Dimensionality in Lithiumâ€Rich Cathode Oxides. Angewandte Chemie, 2019, 131, 4367-4371.	2.0	13
16	Influence of carbon coating on the electrochemical performance of SiO@C/graphite composite anode materials*. Chinese Physics B, 2019, 28, 068201.	1.4	6
17	Exploring reaction dynamics in lithiumâ€“sulfur batteries by time-resolved operando sulfur K-edge X-ray absorption spectroscopy. Chemical Communications, 2019, 55, 4993-4996.	4.1	9
18	Chemomechanical interplay of layered cathode materials undergoing fast charging in lithium batteries. Nano Energy, 2018, 53, 753-762.	16.0	173

#	Article	IF	Citations
19	Homogeneous Interface Conductivity for Lithium Dendrite-Free Anode. ACS Energy Letters, 2018, 3, 2259-2266.	17.4	124