

# Zaisheng Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

415  
citations

1040056

9  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

509  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tris(trimethylsilyl)borate as an electrolyte additive for improving interfacial stability of high voltage layered lithium-rich oxide cathode/carbonate-based electrolyte. <i>Journal of Power Sources</i> , 2015, 285, 360-366.	7.8	118
2	Triethylborate as an electrolyte additive for high voltage layered lithium nickel cobalt manganese oxide cathode of lithium ion battery. <i>Journal of Power Sources</i> , 2016, 307, 587-592.	7.8	82
3	Improving cyclic stability of lithium nickel manganese oxide cathode for high voltage lithium ion battery by modifying electrode/electrolyte interface with electrolyte additive. <i>Electrochimica Acta</i> , 2014, 147, 636-642.	5.2	51
4	Trimethyl borate as an electrolyte additive for high potential layered cathode with concurrent improvement of rate capability and cyclic stability. <i>Electrochimica Acta</i> , 2015, 184, 40-46.	5.2	31
5	Understanding Interfacial Properties between Li-Rich Layered Oxide and Electrolyte Containing Triethyl Borate. <i>Journal of Physical Chemistry C</i> , 2016, 120, 26899-26907.	3.1	31
6	Long Cycle Life and High-Rate Sodium Metal Batteries Enabled by Regulating 3D Frameworks with Artificial Solid-State Interphases. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	29
7	Insight into the capacity fading of layered lithium-rich oxides and its suppression via a film-forming electrolyte additive. <i>RSC Advances</i> , 2018, 8, 25794-25801.	3.6	23
8	Triethyl borate and tripropyl borate as electrolyte additives for 4.8V high voltage layered lithium-rich oxide cathode with enhanced self-discharge suppression performance: A comparative study. <i>Journal of Power Sources</i> , 2020, 450, 227648.	7.8	16
9	Dendrite-free and air-stable lithium metal batteries enabled by electroless plating with aluminum fluoride. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9218-9227.	10.3	16
10	Understanding the mechanism of cycling degradation and novel strategy to stabilize the cycling performance of graphite/LiCoO <sub>2</sub> battery at high voltage. <i>Journal of Electroanalytical Chemistry</i> , 2019, 851, 113411.	3.8	8
11	Cyclability improvement of high voltage lithium cobalt oxide/graphite battery by use of lithium difluoro(oxalate)borate electrolyte additive. <i>Electrochimica Acta</i> , 2022, 426, 140783.	5.2	6
12	Challenges, mitigation strategies and perspectives in development of Li metal anode. <i>Nano Select</i> , 2020, 1, 622-638.	3.7	4