

# Guorui Zheng

## List of Publications by Year in descending order

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9  
papers

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citations

1040056

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1474206

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docs citations

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times ranked

840  
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling Surface Oxides in Si/C Nanocomposite Anodes for High-Performance Li-ion Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1801718.	19.5	190
2	Enabling Stable High-Voltage LiCoO <sub>2</sub> Operation by Using Synergetic Interfacial Modification Strategy. <i>Advanced Functional Materials</i> , 2020, 30, 2004664.	14.9	119
3	Visualizing the growth process of sodium microstructures in sodium batteries by in-situ <sup>23</sup> Na MRI and NMR spectroscopy. <i>Nature Nanotechnology</i> , 2020, 15, 883-890.	31.5	95
4	Quantitatively analyzing the failure processes of rechargeable Li metal batteries. <i>Science Advances</i> , 2021, 7, eabj3423.	10.3	84
5	Influence of electrolyte structural evolution on battery applications: Cationic aggregation from dilute to high concentration. <i>Aggregate</i> , 2022, 3, .	9.9	37
6	Insights into the lithiation mechanism of CF <sub>x</sub> by a joint high-resolution <sup>19</sup> F NMR, <i>in situ</i> TEM and <sup>7</sup> Li NMR approach. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19793-19799.	10.3	33
7	High-Efficiency Lithium Metal Anode Enabled by a Concentrated/Fluorinated Ester Electrolyte. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 27794-27802.	8.0	31
8	Novel 3.9 V Layered Na <sub>3</sub> V <sub>3</sub> (PO <sub>4</sub> ) <sub>4</sub> Cathode Material for Sodium Ion Batteries. <i>ACS Applied Energy Materials</i> , 2018, 1, 3603-3606.	5.1	23
9	Capitalization of interfacial AlON interactions to achieve stable binder-free porous silicon/carbon anodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7449-7456.	10.3	15