

# Tianyao Ding

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Examining the Chemical Stability of Battery Components with Polysulfide Species by High-Performance Liquid Chromatography and X-ray Photoelectron Spectroscopy. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 3055-3062.	3.7	1
2	Reliable HPLC-MS method for the quantitative and qualitative analyses of dissolved polysulfide ions during the operation of Li-S batteries. , 2022, , 159-199.		0
3	Nafion/PTFE Composite Membranes for a High Temperature PEM Fuel Cell Application. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 11086-11094.	3.7	17
4	A kinetically stable anode interface for Li <sub>3</sub> YCl <sub>6</sub> -based all-solid-state lithium batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 15012-15018.	10.3	39
5	High performance lithium-ion and lithium-sulfur batteries using prelithiated phosphorus/carbon composite anode. <i>Energy Storage Materials</i> , 2020, 24, 147-152.	18.0	60
6	A redox-active organic cation for safer high energy density Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17156-17162.	10.3	9
7	A redox-active organic cation for safer metallic lithium-based batteries. <i>Energy Storage Materials</i> , 2020, 32, 185-190.	18.0	10
8	An electrode-level prelithiation of SiO anodes with organolithium compounds for lithium-ion batteries. <i>Journal of Power Sources</i> , 2020, 478, 229067.	7.8	36
9	A redox-active organic salt for safer Na-ion batteries. <i>Nano Energy</i> , 2020, 72, 104705.	16.0	25
10	Fast and Controllable Prelithiation of Hard Carbon Anodes for Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 11589-11599.	8.0	88
11	Chemical Prelithiation of Negative Electrodes in Ambient Air for Advanced Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 8699-8703.	8.0	100
12	Systematic and rapid screening for the redox shuttle inhibitors in lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2018, 282, 687-693.	5.2	15
13	Confined phosphorus in carbon nanotube-backboned mesoporous carbon as superior anode material for sodium/potassium-ion batteries. <i>Nano Energy</i> , 2018, 52, 1-10.	16.0	148
14	The Progress of Li-S Batteries Understanding of the Sulfur Redox Mechanism: Dissolved Polysulfide Ions in the Electrolytes. <i>Advanced Materials Technologies</i> , 2018, 3, 1700233.	5.8	85
15	Investigation of the Li-S Battery Mechanism by Real-Time Monitoring of the Changes of Sulfur and Polysulfide Species during the Discharge and Charge. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 4326-4332.	8.0	70