

Zhangxing Shi

List of Publications by Year in descending order

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7
papers

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1478505

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#	ARTICLE	IF	CITATIONS
1	Re-engineering Poly(Acrylic Acid) Binder toward Optimized Electrochemical Performance for Silicon Lithium-ion Batteries: Branching Architecture Leads to Balanced Properties of Polymeric Binders. <i>Advanced Functional Materials</i> , 2020, 30, 1908558.	14.9	60
2	Restorable Neutralization of Poly(acrylic acid) Binders toward Balanced Processing Properties and Cycling Performance for Silicon Anodes in Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57932-57940.	8.0	19
3	Unexpected electrochemical behavior of an anolyte redoxmer in flow battery electrolytes: solvating cations help to fight against the thermodynamic-kinetic dilemma. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13470-13479.	10.3	17
4	TEMPO allegro: liquid catholyte redoxmers for nonaqueous redox flow batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 16769-16775.	10.3	15
5	A chemical switch enabled autonomous two-stage crosslinking polymeric binder for high performance silicon anodes. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1380-1389.	10.3	15
6	Competitive Pi-Stacking and H-Bond Piling Increase Solubility of Heterocyclic Redoxmers. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10409-10418.	2.6	10
7	Poly(Acrylic Acid) Binders: Re-engineering Poly(Acrylic Acid) Binder toward Optimized Electrochemical Performance for Silicon Lithium-ion Batteries: Branching Architecture Leads to Balanced Properties of Polymeric Binders (<i>Adv. Funct. Mater.</i> 10/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070065.	14.9	1