

You Kyeong Jeong

List of Publications by Year in descending order

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Version: 2024-02-01

15
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#	ARTICLE	IF	CITATIONS
1	Mussel-Inspired Adhesive Binders for High-Performance Silicon Nanoparticle Anodes in Lithium-Ion Batteries. <i>Advanced Materials</i> , 2013, 25, 1571-1576.	11.1	532
2	Hyperbranched β -Cyclodextrin Polymer as an Effective Multidimensional Binder for Silicon Anodes in Lithium Rechargeable Batteries. <i>Nano Letters</i> , 2014, 14, 864-870.	4.5	277
3	Millipede-inspired structural design principle for high performance polysaccharide binders in silicon anodes. <i>Energy and Environmental Science</i> , 2015, 8, 1224-1230.	15.6	222
4	Deep eutectic solvents as attractive media for CO ₂ capture. <i>Green Chemistry</i> , 2016, 18, 2834-2842.	4.6	209
5	Free-standing ultrathin lithium metal-graphene oxide host foils with controllable thickness for lithium batteries. <i>Nature Energy</i> , 2021, 6, 790-798.	19.8	198
6	Dynamic Cross-Linking of Polymeric Binders Based on Host-Guest Interactions for Silicon Anodes in Lithium Ion Batteries. <i>ACS Nano</i> , 2015, 9, 11317-11324.	7.3	167
7	Systematic Molecular-Level Design of Binders Incorporating Meldrum's Acid for Silicon Anodes in Lithium Rechargeable Batteries. <i>Advanced Materials</i> , 2014, 26, 7979-7985.	11.1	155
8	Mussel-Inspired Self-Healing Metallopolymers for Silicon Nanoparticle Anodes. <i>ACS Nano</i> , 2019, 13, 8364-8373.	7.3	101
9	A "Sticky"-Mucin-Inspired DNA-Polysaccharide Binder for Silicon and Silicon-Graphite Blended Anodes in Lithium-Ion Batteries. <i>Advanced Materials</i> , 2018, 30, e1707594.	11.1	96
10	Mussel-Inspired Coating and Adhesion for Rechargeable Batteries: A Review. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 7562-7573.	4.0	84
11	Effects of lithium salts on thermal stabilities of lithium alkyl carbonates in SEI layer. <i>Electrochimica Acta</i> , 2012, 83, 259-263.	2.6	68
12	Scalable synthesis of nanoporous silicon microparticles for highly cyclable lithium-ion batteries. <i>Nano Research</i> , 2020, 13, 1558-1563.	5.8	65
13	Microclusters of Kinked Silicon Nanowires Synthesized by a Recyclable Iodide Process for High-Performance Lithium-Ion Battery Anodes. <i>Advanced Energy Materials</i> , 2020, 10, 2002108.	10.2	57
14	Mussel-Inspired Polydopamine Coating for Enhanced Thermal Stability and Rate Performance of Graphite Anodes in Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 13973-13981.	4.0	43
15	Graphene coating on silicon anodes enabled by thermal surface modification for high-energy lithium-ion batteries. <i>MRS Bulletin</i> , 2022, 47, 127-133.	1.7	13