

Jaclyn E Coyle

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

263
citations

1040056

9
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

364
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional electronic resistivity mapping of solid electrolyte interphase on Si anode materials. <i>Nano Energy</i> , 2019, 55, 477-485.	16.0	56
2	Intrinsic chemical reactivity of solid-electrolyte interphase components in silicon–lithium alloy anode batteries probed by FTIR spectroscopy. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7897-7906.	10.3	49
3	Direct Cathode Recycling of End-Of-Life Li-Ion Batteries Enabled by Redox Mediation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8214-8221.	6.7	36
4	Chemistry of Electrolyte Reduction on Lithium Silicide. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13219-13224.	3.1	29
5	Intrinsic Chemical Reactivity of Silicon Electrode Materials: Gas Evolution. <i>Chemistry of Materials</i> , 2020, 32, 3199-3210.	6.7	23
6	Intrinsic Properties of Individual Inorganic Silicon–Electrolyte Interphase Constituents. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 46993-47002.	8.0	21
7	Investigating the Chemical Reactivity of Lithium Silicate Model SEI Layers. <i>Journal of Physical Chemistry C</i> , 2020, 124, 8153-8161.	3.1	16
8	Structural and compositional characterization of RF magnetron cosputtered lithium silicate films: From $\text{Li}_2\text{Si}_2\text{O}_5$ to lithium-rich Li_8SiO_6 . <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017, 35, .	2.1	12
9	SiO_2 Is Wasted Space in Single-Nanometer-Scale Silicon Nanoparticle-Based Composite Anodes for Li-Ion Electrochemical Energy Storage. <i>ACS Applied Energy Materials</i> , 2020, 3, 10993-11001.	5.1	11
10	Understanding why poly(acrylic acid) works: decarbonylation and cross-linking provide an ionically conductive passivation layer in silicon anodes. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21929-21938.	10.3	6
11	Impacts of Solvent Washing on the Electrochemical Remediation of Commercial End-Of-Life Cathodes. <i>ACS Applied Energy Materials</i> , 2020, 3, 12212-12229.	5.1	3
12	Recycle of End-of-Life NMC 111 Cathodes By Electrochemical Relithiation. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	1
13	Effect of Polymer Capping Layers on Initial Fracture Mechanism of Silicon Anodes. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
14	Intrinsic Properties of Silicon-Electrolyte Interphase (SEI) Studied through Individual Inorganic Components. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0