

Jaclyn E Coyle

List of Publications by Year in descending order

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14
papers

263
citations

1040056

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times ranked

364
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | Intrinsic Chemical Reactivity of Silicon Electrode Materials: Gas Evolution. <i>Chemistry of Materials</i> , 2020, 32, 3199-3210. | 6.7 | 23 |
| 5 | 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 |
| 6 | Investigating the Chemical Reactivity of Lithium Silicate Model SEI Layers. <i>Journal of Physical Chemistry C</i> , 2020, 124, 8153-8161. | 3.1 | 16 |
| 7 | 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 |
| 8 | Chemistry of Electrolyte Reduction on Lithium Silicide. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13219-13224. | 3.1 | 29 |
| 9 | Intrinsic Properties of Individual Inorganic Silicon–Electrolyte Interphase Constituents. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 46993-47002. | 8.0 | 21 |
| 10 | Three-dimensional electronic resistivity mapping of solid electrolyte interphase on Si anode materials. <i>Nano Energy</i> , 2019, 55, 477-485. | 16.0 | 56 |
| 11 | Recycle of End-of-Life NMC 111 Cathodes By Electrochemical Relithiation. <i>ECS Meeting Abstracts</i> , 2019, , . | 0.0 | 1 |
| 12 | Effect of Polymer Capping Layers on Initial Fracture Mechanism of Silicon Anodes. <i>ECS Meeting Abstracts</i> , 2019, , . | 0.0 | 0 |
| 13 | Intrinsic Properties of Silicon-Electrolyte Interphase (SiEI) Studied through Individual Inorganic Components. <i>ECS Meeting Abstracts</i> , 2019, , . | 0.0 | 0 |
| 14 | Structural and compositional characterization of RF magnetron cosputtered lithium silicate films: From Li ₂ Si ₂ O ₅ to lithium-rich Li ₈ SiO ₆ . <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017, 35, . | 2.1 | 12 |