

Eric J Mcshane

List of Publications by Year in descending order

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13
papers

945
citations

1478505

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1588992

8
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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Crystal LiNi _x Mn _y Co _{1-x-y} O Cathodes for Extreme Fast Charging. <i>Small</i> , 2022, 18, e2105833.	19.5	114
2	Quantification of Dead Lithium on Graphite Anode under Fast Charging Conditions. <i>Journal of the Electrochemical Society</i> , 2022, 169, 040520.	2.9	5
3	A Review of Existing and Emerging Methods for Lithium Detection and Characterization in Li-Ion and Li-Metal Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2100372.	19.5	114
4	(Industrial Electrochemistry and Electrochemical Engineering Division Student Achievement Award) Mass Spectrometry Titration for Quantitative Probing of Lithium Plating and Solid-Electrolyte Interphase Formation. <i>ECS Meeting Abstracts</i> , 2021, MA2021-01, 945-945.	0.0	0
5	Detecting onset of lithium plating during fast charging of Li-ion batteries using operando electrochemical impedance spectroscopy. <i>Cell Reports Physical Science</i> , 2021, 2, 100589.	5.6	27
6	Lithium Plating Kinetics Under Fast Charge Conditions. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 462-462.	0.0	0
7	Multimodal Characterization of Degradation Mechanisms in Lithium-Ion Batteries from Extreme Fast Charging. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 482-482.	0.0	1
8	Detecting the Onset of Lithium Plating and Monitoring Fast Charging Performance with Voltage Relaxation. <i>ACS Energy Letters</i> , 2020, 5, 1750-1757.	17.4	91
9	Quantification of Inactive Lithium and Solid-Electrolyte Interphase Species on Graphite Electrodes after Fast Charging. <i>ACS Energy Letters</i> , 2020, 5, 2045-2051.	17.4	97
10	Quantification of Inactive Lithium, Solid Carbonate Species, and Lithium Acetylide on Graphite Electrodes after Fast Charging. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 542-542.	0.0	0
11	Li Plating Detection during Extreme Fast Charging of Li-Ion Batteries Using Operando Impedance Spectroscopy. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 592-592.	0.0	0
12	Electrochemical Techniques to Detect and Quantify Li Plating after Fast Charge of Li-Ion Batteries. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 593-593.	0.0	0
13	Promising Routes to a High Li ⁺ Transference Number Electrolyte for Lithium Ion Batteries. <i>ACS Energy Letters</i> , 2017, 2, 2563-2575.	17.4	577