

Alexander Louli

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,792
citations

516215

16
h-index

794141

19
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22
all docs

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docs citations

22
times ranked

1841
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Graphite Materials on the Lifetime of NMC811/Graphite Pouch Cells: Part II. Long-Term Cycling, Stack Pressure Growth, Isothermal Microcalorimetry, and Lifetime Projection. Journal of the Electrochemical Society, 2022, 169, 010501.	1.3	16
2	Different Positive Electrodes for Anode-Free Lithium Metal Cells. Journal of the Electrochemical Society, 2022, 169, 040517.	1.3	30
3	Optimizing Cycling Conditions for Anode-Free Lithium Metal Cells. Journal of the Electrochemical Society, 2021, 168, 020515.	1.3	72
4	Synergies for longer cycle life. Nature Energy, 2021, 6, 574-575.	19.8	1
5	Investigating Parasitic Reactions in Anode-Free Li Metal Cells with Isothermal Microcalorimetry. Journal of the Electrochemical Society, 2021, 168, 060527.	1.3	12
6	Cycling Performance of NMC811 Anode-Free Pouch Cells with 65 Different Electrolyte Formulations. Journal of the Electrochemical Society, 2021, 168, 120508.	1.3	19
7	Diagnosing and correcting anode-free cell failure via electrolyte and morphological analysis. Nature Energy, 2020, 5, 693-702.	19.8	303
8	Effects of Graphite Heat-Treatment Temperature on Single-Crystal $\text{Li}[\text{Ni}_{0.5}\text{Mn}_{0.3}\text{Co}_{0.2}]\text{O}_2$ /Graphite Pouch Cells. Journal of the Electrochemical Society, 2020, 167, 080543.	1.3	16
9	Long cycle life and dendrite-free lithium morphology in anode-free lithium pouch cells enabled by a dual-salt liquid electrolyte. Nature Energy, 2019, 4, 683-689.	19.8	603
10	Hot Formation for Improved Low Temperature Cycling of Anode-Free Lithium Metal Batteries. Journal of the Electrochemical Society, 2019, 166, A3342-A3347.	1.3	88
11	Surface Area of Lithium-Metal Electrodes Measured by Argon Adsorption. Journal of the Electrochemical Society, 2019, 166, A3250-A3253.	1.3	16
12	Resistance Growth in Lithium-Ion Pouch Cells with $\text{LiNi}_{0.80}\text{Co}_{0.15}\text{Al}_{0.05}\text{O}_2$ Positive Electrodes and Proposed Mechanism for Voltage Dependent Charge-Transfer Resistance. Journal of the Electrochemical Society, 2019, 166, A1779-A1784.	1.3	50
13	Exploring the Impact of Mechanical Pressure on the Performance of Anode-Free Lithium Metal Cells. Journal of the Electrochemical Society, 2019, 166, A1291-A1299.	1.3	189
14	(Invited) Investigating Failure in Anode-Free Lithium-Metal Pouch Cells with Liquid Electrolytes. ECS Meeting Abstracts, 2019, , .	0.0	0
15	(Invited) Exploring the Impact of Mechanical Pressure on the Performance of Anode-Free Lithium Metal Cells. ECS Meeting Abstracts, 2019, , .	0.0	0
16	Combinatorial Methods for Improving Lithium Metal Cycling Efficiency. Journal of the Electrochemical Society, 2018, 165, A3000-A3013.	1.3	25
17	Measuring the Coulombic Efficiency of Lithium Metal Cycling in Anode-Free Lithium Metal Batteries. Journal of the Electrochemical Society, 2018, 165, A3321-A3325.	1.3	97
18	Volume, Pressure and Thickness Evolution of Li-Ion Pouch Cells with Silicon-Composite Negative Electrodes. Journal of the Electrochemical Society, 2017, 164, A2689-A2696.	1.3	123

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19	An Analysis of Artificial and Natural Graphite in Lithium Ion Pouch Cells Using Ultra-High Precision Coulometry, Isothermal Microcalorimetry, Gas Evolution, Long Term Cycling and Pressure Measurements. Journal of the Electrochemical Society, 2017, 164, A3545-A3555.	1.3	53
20	Effects of Fluorinated Carbonate Solvent Blends on High Voltage Parasitic Reactions in Lithium Ion Cells Using OCV Isothermal Microcalorimetry. Journal of the Electrochemical Society, 2016, 163, A2131-A2138.	1.3	30
21	Effect of Substituting LiBF ₄ for LiPF ₆ in High Voltage Lithium-Ion Cells Containing Electrolyte Additives. Journal of the Electrochemical Society, 2016, 163, A1686-A1692.	1.3	24
22	How do Depth of Discharge, C-rate and Calendar Age Affect Capacity Retention, Impedance Growth, the Electrodes, and the Electrolyte in Li-Ion Cells?. Journal of the Electrochemical Society, 0, , .	1.3	25