

Rochelle Weber

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

1,558
citations

759233

12
h-index

1125743

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all docs

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docs citations

13
times ranked

1680
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.	2.9	16
2	Impact of Graphite Materials on the Lifetime of NMC811/Graphite Pouch Cells: Part I. Material Properties, ARC Safety Tests, Gas Generation, and Room Temperature Cycling. Journal of the Electrochemical Society, 2021, 168, 110543.	2.9	20
3	Diagnosing and correcting anode-free cell failure via electrolyte and morphological analysis. Nature Energy, 2020, 5, 693-702.	39.5	303
4	Cycling Lithium Metal on Graphite to Form Hybrid Lithium-Ion/Lithium Metal Cells. Joule, 2020, 4, 1296-1310.	24.0	80
5	In Situ XRD Studies During Synthesis of Single-Crystal $\text{LiNi}_{0.975}\text{Mg}_{0.025}\text{O}_2$, $\text{LiNi}_{0.95}\text{Al}_{0.05}\text{O}_2$ Cathode Materials. Journal of the Electrochemical Society, 2020, 167, 100501.	2.9	41
6	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.	39.5	603
7	Hot Formation for Improved Low Temperature Cycling of Anode-Free Lithium Metal Batteries. Journal of the Electrochemical Society, 2019, 166, A3342-A3347.	2.9	88
8	Surface Area of Lithium-Metal Electrodes Measured by Argon Adsorption. Journal of the Electrochemical Society, 2019, 166, A3250-A3253.	2.9	16
9	Exploring the Impact of Mechanical Pressure on the Performance of Anode-Free Lithium Metal Cells. Journal of the Electrochemical Society, 2019, 166, A1291-A1299.	2.9	189
10	Combinatorial Methods for Improving Lithium Metal Cycling Efficiency. Journal of the Electrochemical Society, 2018, 165, A3000-A3013.	2.9	25
11	Measuring the Coulombic Efficiency of Lithium Metal Cycling in Anode-Free Lithium Metal Batteries. Journal of the Electrochemical Society, 2018, 165, A3321-A3325.	2.9	97
12	High Temperature Electronic and Thermal Transport Properties of $\text{EuGa}_{2-x}\text{In}_x\text{Sb}_2$. Journal of Electronic Materials, 2017, 46, 4798-4804.	2.2	4
13	Operando X-ray Diffraction Study of Polycrystalline and Single-Crystal $\text{Li}_x\text{Ni}_{0.5}\text{Mn}_{0.3}\text{Co}_{0.2}\text{O}_2$. Journal of the Electrochemical Society, 2017, 164, A2992-A2999.	2.9	76