

# Rochelle Weber

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11257405/publications.pdf>

Version: 2024-02-01

13  
papers

1,558  
citations

759233

12  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

1680  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long cycle life and dendrite-free lithium morphology in anode-free lithium pouch cells enabled by a dual-salt liquid electrolyte. <i>Nature Energy</i> , 2019, 4, 683-689.	39.5	603
2	Diagnosing and correcting anode-free cell failure via electrolyte and morphological analysis. <i>Nature Energy</i> , 2020, 5, 693-702.	39.5	303
3	Exploring the Impact of Mechanical Pressure on the Performance of Anode-Free Lithium Metal Cells. <i>Journal of the Electrochemical Society</i> , 2019, 166, A1291-A1299.	2.9	189
4	Measuring the Coulombic Efficiency of Lithium Metal Cycling in Anode-Free Lithium Metal Batteries. <i>Journal of the Electrochemical Society</i> , 2018, 165, A3321-A3325.	2.9	97
5	Hot Formation for Improved Low Temperature Cycling of Anode-Free Lithium Metal Batteries. <i>Journal of the Electrochemical Society</i> , 2019, 166, A3342-A3347.	2.9	88
6	Cycling Lithium Metal on Graphite to Form Hybrid Lithium-Ion/Lithium Metal Cells. <i>Joule</i> , 2020, 4, 1296-1310.	24.0	80
7	Operando X-ray Diffraction Study of Polycrystalline and Single-Crystal $\text{Li}_{1-x}\text{Ni}_{0.5}\text{Mn}_{0.3}\text{Co}_{0.2}\text{O}_2$ . <i>Journal of the Electrochemical Society</i> , 2017, 164, A2992-A2999.	2.9	76
8	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. <i>Journal of the Electrochemical Society</i> , 2020, 167, 100501.	2.9	41
9	Combinatorial Methods for Improving Lithium Metal Cycling Efficiency. <i>Journal of the Electrochemical Society</i> , 2018, 165, A3000-A3013.	2.9	25
10	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. <i>Journal of the Electrochemical Society</i> , 2021, 168, 110543.	2.9	20
11	Surface Area of Lithium-Metal Electrodes Measured by Argon Adsorption. <i>Journal of the Electrochemical Society</i> , 2019, 166, A3250-A3253.	2.9	16
12	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. <i>Journal of the Electrochemical Society</i> , 2022, 169, 010501.	2.9	16
13	High Temperature Electronic and Thermal Transport Properties of $\text{EuGa}_{2-x}\text{In}_x\text{Sb}_2$ . <i>Journal of Electronic Materials</i> , 2017, 46, 4798-4804.	2.2	4