

Dendrites and Pits: Untangling the Complex Behavior of Operando Video Microscopy

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Citation Report

#	ARTICLE	IF	CITATIONS
4	Anode-Free Sodium Battery through in Situ Plating of Sodium Metal. Nano Letters, 2017, 17, 1296-1301.	4.5	248
5	Lithium Metal Anodes: Toward an Improved Understanding of Coupled Morphological, Electrochemical, and Mechanical Behavior. ACS Energy Letters, 2017, 2, 664-672.	8.8	434
6	Extensive Sodium Metal Plating and Stripping in a Highly Concentrated Inorganic ⁺ Organic Ionic Liquid Electrolyte through Surface Pretreatment. ChemElectroChem, 2017, 4, 986-991.	1.7	25
7	Atomic Layer Deposition of the Solid Electrolyte Garnet Li ₇ La ₃ Zr ₂ O ₁₂ . Chemistry of Materials, 2017, 29, 3785-3792.	3.2	149
8	Formation and Inhibition of Metallic Lithium Microstructures in Lithium Batteries Driven by Chemical Crossover. ACS Nano, 2017, 11, 5853-5863.	7.3	155
9	Internal Morphologies of Cycled Li-Metal Electrodes Investigated by Nano-Scale Resolution X-ray Computed Tomography. ACS Applied Materials & Interfaces, 2017, 9, 18748-18757.	4.0	32
10	Lithiophilic Sites in Doped Graphene Guide Uniform Lithium Nucleation for Dendrite-Free Lithium Metal Anodes. Angewandte Chemie - International Edition, 2017, 56, 7764-7768.	7.2	989
11	Lithiophilic Sites in Doped Graphene Guide Uniform Lithium Nucleation for Dendrite-Free Lithium Metal Anodes. Angewandte Chemie, 2017, 129, 7872-7876.	1.6	186
12	Solid-State Lithium Metal Batteries Promoted by Nanotechnology: Progress and Prospects. ACS Energy Letters, 2017, 2, 1385-1394.	8.8	314
13	Research Progress toward the Practical Applications of Lithium-Sulfur Batteries. ACS Applied Materials & Interfaces, 2017, 9, 24407-24421.	4.0	95
14	Dead lithium: mass transport effects on voltage, capacity, and failure of lithium metal anodes. Journal of Materials Chemistry A, 2017, 5, 11671-11681.	5.2	693
15	Visualization of Lithium Plating and Stripping via <i>in Operando</i> Transmission X-ray Microscopy. Journal of Physical Chemistry C, 2017, 121, 7761-7766.	1.5	123
16	Study of the Mechanisms of Internal Short Circuit in a Li/Li Cell by Synchrotron X-ray Phase Contrast Tomography. ACS Energy Letters, 2017, 2, 94-104.	8.8	89
17	Free-Standing Hollow Carbon Fibers as High-Capacity Containers for Stable Lithium Metal Anodes. Joule, 2017, 1, 563-575.	11.7	329
18	New Insights on the Structure of Electrochemically Deposited Lithium Metal and Its Solid Electrolyte Interphases via Cryogenic TEM. Nano Letters, 2017, 17, 7606-7612.	4.5	308
19	Suppressing Lithium Dendrite Growth by Metallic Coating on a Separator. Advanced Functional Materials, 2017, 27, 1704391.	7.8	141
20	Protected Lithium Metal Anodes in Batteries: From Liquid to Solid. Advanced Materials, 2017, 29, 1701169.	11.1	596
21	Dendrite-Suppressed Lithium Plating from a Liquid Electrolyte via Wetting of Li ₃ N. Advanced Energy Materials, 2017, 7, 1700732.	10.2	190

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22	Toward Safe Lithium Metal Anode in Rechargeable Batteries: A Review. <i>Chemical Reviews</i> , 2017, 117, 10403-10473.	23.0	4,365
23	In Situ Optical Imaging of Sodium Electrodeposition: Effects of Fluoroethylene Carbonate. <i>ACS Energy Letters</i> , 2017, 2, 2051-2057.	8.8	116
24	The interplay between solid electrolyte interface (SEI) and dendritic lithium growth. <i>Nano Energy</i> , 2017, 40, 34-41.	8.2	209
25	An In Vivo Formed Solid Electrolyte Surface Layer Enables Stable Plating of Li Metal. <i>Joule</i> , 2017, 1, 871-886.	11.7	271
26	Electrochemical performance and interfacial properties of Li-metal in lithium bis(fluorosulfonyl)imide based electrolytes. <i>Scientific Reports</i> , 2017, 7, 15925.	1.6	16
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30	Beneficial effect of added water on sodium metal cycling in super concentrated ionic liquid sodium electrolytes. <i>Journal of Power Sources</i> , 2018, 379, 344-349.	4.0	29
31	A review on anode for lithium-sulfur batteries: Progress and prospects. <i>Chemical Engineering Journal</i> , 2018, 347, 343-365.	6.6	227
32	Sustainable, inexpensive, naturally multi-functionalized biomass carbon for both Li metal anode and sulfur cathode. <i>Energy Storage Materials</i> , 2018, 15, 218-225.	9.5	88
33	Perspectives for restraining harsh lithium dendrite growth: Towards robust lithium metal anodes. <i>Energy Storage Materials</i> , 2018, 15, 148-170.	9.5	247
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38	Do imaging techniques add real value to the development of better post-Li-ion batteries?. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3304-3327.	5.2	36
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41	Metal oxide nanoparticles induced step-edge nucleation of stable Li metal anode working under an ultrahigh current density of 15 mA cm ⁻² . <i>Nano Energy</i> , 2018, 45, 203-209.	8.2	153
42	Ionic Liquids and Organic Ionic Plastic Crystals: Advanced Electrolytes for Safer High Performance Sodium Energy Storage Technologies. <i>Advanced Energy Materials</i> , 2018, 8, 1703491.	10.2	109
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44	A Li-dual carbon composite as stable anode material for Li batteries. <i>Energy Storage Materials</i> , 2018, 15, 116-123.	9.5	53
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53	Elastic and Li-ion-percolating hybrid membrane stabilizes Li metal plating. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12389-12394.	3.3	49
54	Directional Flow-Aided Sonochemistry Yields Graphene with Tunable Defects to Provide Fundamental Insight on Sodium Metal Plating Behavior. <i>ACS Nano</i> , 2018, 12, 12255-12268.	7.3	48
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95	Tuning sodium nucleation and stripping by the mixed surface of carbon nanotube-sodium composite electrodes for improved reversibility. <i>Journal of Power Sources</i> , 2019, 438, 227005.	4.0	15
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153	Detecting Li Dendrites in a Two-Electrode Battery System. <i>Advanced Materials</i> , 2019, 31, e1807405.	11.1	38
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482	Construction of Dendrite-free Lithium Metal Electrode Using Three-Dimensional Porous Copper and Zinc Coatings. <i>Acta Chimica Sinica</i> , 2022, 80, 517.	0.5	1
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