

First-cycle voltage hysteresis in Li-rich 3d cathodes assembled in the bulk

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Tuning Both Anionic and Cationic Redox Chemistry of Li-Rich $\text{Li}_{1.2}\text{Mn}_{0.6}\text{Ni}_{0.2}\text{O}_2$ via a "Three-in-One" Strategy. <i>Chemistry of Materials</i> , 2020, 32, 9404-9414.	3.2	27
2	Redox Chemistry and the Role of Trapped Molecular O_2 in Li-Rich Disordered Rocksalt Oxyluoride Cathodes. <i>Journal of the American Chemical Society</i> , 2020, 142, 21799-21809.	6.6	77
3	Elucidation of Active Oxygen Sites upon Delithiation of Li_3IrO_4 . <i>ACS Energy Letters</i> , 2021, 6, 140-147.	8.8	12
4	Intelligent phase-transition MnO_2 single-crystal shell enabling a high-capacity Li-rich layered cathode in Li-ion batteries. <i>RSC Advances</i> , 2021, 11, 12771-12783.	1.7	4
5	Why is the O3 to O1 phase transition hindered in LiNiO_2 on full delithiation?. <i>Journal of Materials Chemistry A</i> , 2021, 9, 15963-15967.	5.2	34
6	Coulombically-stabilized oxygen hole polarons enable fully reversible oxygen redox. <i>Energy and Environmental Science</i> , 2021, 14, 4858-4867.	15.6	29
7	Delocalized Metal-Oxygen Redox Is the Origin of Anomalous Nonhysteretic Capacity in Li-Ion and Na-Ion Cathode Materials. <i>Journal of the American Chemical Society</i> , 2021, 143, 1908-1916.	6.6	62
8	Long-Term Cycle Stability Enabled by the Incorporation of Ni into Li_2MnO_3 Phase in the Mn-Based Li-Rich Layered Materials. <i>ACS Energy Letters</i> , 2021, 6, 789-798.	8.8	27
9	Oxygen Redox Chemistry in Rechargeable Li-Ion and Na-Ion Batteries. <i>Matter</i> , 2021, 4, 490-527.	5.0	47
10	Whither Mn Oxidation in Mn-Rich Alkali-Excess Cathodes?. <i>ACS Energy Letters</i> , 2021, 6, 1055-1064.	8.8	20
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12	Peroxo Species Formed in the Bulk of Silicate Cathodes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10056-10063.	7.2	5
13	The role of O_2 in O-redox cathodes for Li-ion batteries. <i>Nature Energy</i> , 2021, 6, 781-789.	19.8	162
14	Insights into Li-Rich Mn-Based Cathode Materials with High Capacity: from Dimension to Lattice to Atom. <i>Advanced Energy Materials</i> , 2022, 12, 2003885.	10.2	70
15	Lattice-Oxygen-Stabilized Li- and Mn-Rich Cathodes with Sub-Micrometer Particles by Modifying the Excess-Li Distribution. <i>Advanced Materials</i> , 2021, 33, e2100352.	11.1	32
16	Soft X-ray Transmission Microscopy on Lithium-Rich Layered-Oxide Cathode Materials. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2791.	1.3	6
17	Solid-State NMR and MRI Spectroscopy for Li/Na Batteries: Materials, Interface, and In Situ Characterization. <i>Advanced Materials</i> , 2021, 33, e2005878.	11.1	35
18	Recent progress in the design of anionic redox in layered oxide electrodes: A mini review. <i>Electrochemistry Communications</i> , 2021, 124, 106969.	2.3	2

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20	Nanostructure Transformation as a Signature of Oxygen Redox in Li-Rich 3d and 4d Cathodes. <i>Journal of the American Chemical Society</i> , 2021, 143, 5763-5770.	6.6	29
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22	Dual Substitution Strategy in Co-Free Layered Cathode Materials for Superior Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 18733-18742.	4.0	24
23	Developments in Dilatometry for Characterisation of Electrochemical Devices. <i>Batteries and Supercaps</i> , 2021, 4, 1378-1396.	2.4	12
24	Tailoring bulk Li ⁺ ion diffusion kinetics and surface lattice oxygen activity for high-performance lithium-rich manganese-based layered oxides. <i>Energy Storage Materials</i> , 2021, 37, 509-520.	9.5	55
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27	Insight of reaction mechanism and anionic redox behavior for Li-rich and Mn-based oxide materials from local structure. <i>Nano Energy</i> , 2021, 83, 105812.	8.2	24
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110	Kinetic square scheme in oxygen-redox battery electrodes. <i>Energy and Environmental Science</i> , 2022, 15, 2591-2600.	15.6	21
111	Exceptional Cycling Performance Enabled by Local Structural Rearrangements in Disordered Rocksalt Cathodes. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	15
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141	Gradational anionic redox enabling high-energy P2-type Na-layered oxide cathode. <i>Chemical Engineering Journal</i> , 2023, 451, 138883.	6.6	9
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