

Superstructure control of first-cycle voltage hysteresis

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Fundamental interplay between phase-transition kinetics and thermodynamics of manganese-based sodium layered oxides during cationic and anionic redox. <i>Journal of Materials Chemistry A</i> , 2020, 8, 21142-21150.	5.2	15
2	Na-Ion Batteries—Approaching Old and New Challenges. <i>Advanced Energy Materials</i> , 2020, 10, 2002055.	10.2	229
3	High-Performance NaVO ₃ with Mixed Cationic and Anionic Redox Reactions for Na-Ion Battery Applications. <i>Chemistry of Materials</i> , 2020, 32, 8836-8844.	3.2	14
4	Advances on Manganese-Oxide-Based Cathodes for Na-Ion Batteries. <i>Energy & Fuels</i> , 2020, 34, 13412-13426.	2.5	35
5	Vacancy-Enhanced Oxygen Redox Reversibility in P3-Type Magnesium-Doped Sodium Manganese Oxide Na _{0.67} Mg _{0.2} Mn _{0.8} O ₂ . <i>ACS Applied Energy Materials</i> , 2020, 3, 10423-10434.	2.5	17
6	Solid state chemistry for developing better metal-ion batteries. <i>Nature Communications</i> , 2020, 11, 4976.	5.8	125
7	Anionic redox reactions and structural degradation in a cation-disordered rock-salt Li _{1.2} Ti _{0.4} Mn _{0.4} O ₂ cathode material revealed by solid-state NMR and EPR. <i>Journal of Materials Chemistry A</i> , 2020, 8, 16515-16526.	5.2	37
8	How inactive d0 transition metal controls anionic redox in disordered Li-rich oxyfluoride cathodes. <i>Energy Storage Materials</i> , 2020, 32, 253-260.	9.5	16
9	Kinetic Rejuvenation of Li-Rich Li-Ion Battery Cathodes upon Oxygen Redox. <i>ACS Applied Energy Materials</i> , 2020, 3, 7931-7943.	2.5	12
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12	Tuning Both Anionic and Cationic Redox Chemistry of Li-Rich Li _{1.2} Mn _{0.6} Ni _{0.2} O ₂ via a “Three-in-One” Strategy. <i>Chemistry of Materials</i> , 2020, 32, 9404-9414.	3.2	27
13	First-cycle voltage hysteresis in Li-rich 3d cathodes associated with molecular O ₂ trapped in the bulk. <i>Nature Energy</i> , 2020, 5, 777-785.	19.8	282
14	Li-rich cathodes for rechargeable Li-based batteries: reaction mechanisms and advanced characterization techniques. <i>Energy and Environmental Science</i> , 2020, 13, 4450-4497.	15.6	219
15	Highly Reversible Sodium Ion Batteries Enabled by Stable Electrolyte-Electrode Interphases. <i>ACS Energy Letters</i> , 2020, 5, 3212-3220.	8.8	97
16	Pseudo- σ -Bonding and Electric-Field Harmony for Li-Rich Mn-Based Oxide Cathode. <i>Advanced Functional Materials</i> , 2020, 30, 2004302.	7.8	149
17	Defect and structural evolution under high-energy ion irradiation informs battery materials design for extreme environments. <i>Nature Communications</i> , 2020, 11, 4548.	5.8	28
18	A Co- and Ni-Free P2/O3 Biphasic Lithium Stabilized Layered Oxide for Sodium-Ion Batteries and its Cycling Behavior. <i>Advanced Functional Materials</i> , 2020, 30, 2003364.	7.8	80

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20	Influence of dodecyl sulfate anions doped hydroxide precursor on enhanced electrochemical properties of Li _{Nix} Co _y Mn _{1-x-y} O ₂ as lithium-ion battery cathodes. <i>International Journal of Electrochemical Science</i> , 2020, 15, 10157-10172.	0.5	2
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24	Design Rules for High-Valent Redox in Intercalation Electrodes. <i>Joule</i> , 2020, 4, 1369-1397.	11.7	80
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34	Structural and Thermodynamic Understandings in Mn-Based Sodium Layered Oxides during Anionic Redox. <i>Advanced Science</i> , 2020, 7, 2001263.	5.6	38
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36	Anionic redox in Na-based layered oxide cathodes: a review with focus on mechanism studies. <i>Materials Today Energy</i> , 2020, 17, 100474.	2.5	32

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38	Toward High-Energy Batteries: High-Voltage Stability via Superstructure Control. <i>Joule</i> , 2020, 4, 296-298.	11.7	1
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45	Regeneration of degraded Li-rich layered oxide materials through heat treatment-induced transition metal reordering. <i>Energy Storage Materials</i> , 2021, 35, 99-107.	9.5	27
46	Elucidation of Active Oxygen Sites upon Delithiation of Li_3IrO_4 . <i>ACS Energy Letters</i> , 2021, 6, 140-147.	8.8	12
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75	Peroxo Species Formed in the Bulk of Silicate Cathodes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10056-10063.	7.2	5
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