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Toward practical lithium-ion battery recycling: adding value, tackling circularity and recycling-oriented design

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31	Boosting Reversibility and Stability of Zn Anodes via Manipulation of Electrolyte Structure and Interface with Addition of Trace Organic Molecules. 2202419		3
30	Advanced Solid-State Electrolysis for Green and Efficient Spent LiFePO ₄ Cathode Material Recycling: Prototype Reactor Tests.		1
29	Supply chain risks of critical metals: Sources, propagation, and responses. 10,		1
28	Solvent-free and large-scale synthesis of SiO ₂ /C nanocomposite with carbon encapsulation for high-performance lithium-ion battery anodes. 2022, 247, 110308		0
27	Enhanced cycling stability and rate capability of a graphene-supported commercialized Vat Blue 4 anode for advanced Li-ion batteries.		0
26	Rechargeable Dual-Carbon Batteries: A Sustainable Battery Technology. 2202450		1
25	Optimization of a Pyrometallurgical Process to Efficiently Recover Valuable Metals from Commercially Used Lithium-Ion Battery Cathode Materials LCO, NCA, NMC622, and LFP. 2022, 12, 1642		0
24	Thermal-Stable Separators: Design Principles and Strategies towards Safe Lithium-Ion Battery Operations.		2
23	Comprehensive recycling of lithium-ion batteries: Fundamentals, pretreatment, and perspectives. 2023, 54, 172-220		2
22	Acid-free mechanochemical process to enhance the selective recycling of spent LiFePO ₄ batteries. 2023, 443, 130160		0
21	Electrochemical activation of oxygen atom of SnO ₂ to expedite efficient conversion reaction for alkaline-ion (Li ⁺ /Na ⁺ /K ⁺) storages.		0
20	Structure engineering of Mn ₂ SiO ₄ /C architecture improving the potential window boosting aqueous Li-ion storage. 2023, 456, 141031		0
19	Si nanoparticles embedded in porous N-doped carbon fibers as a binder-free and flexible anode for high-performance lithium-ion batteries. 2023, 936, 168256		0
18	A perspective on the recovery mechanisms of spent lithium iron phosphate cathode materials in different oxidation environments. 2023, 445, 130502		0
17	In-situ evolution of CoS/C hollow nanocubes from metal-organic frameworks for sodium-ion hybrid capacitors. 2022, 140610		0
16	Practical assessment of the energy density of potassium-ion batteries.		0

- 15 Uncovering the origin of the anomalously high capacity of a 3d anode via in situ magnetometry. ○
- 14 Uniformizing the lithium deposition by gradient lithiophilicity and conductivity for stable lithium-metal batteries. ○
- 13 Electrodeposition nanoarchitectonics of nickel cobalt phosphide films from methyltriphenylphosphonium bromide-ethylene glycol deep eutectic solvent for hydrogen evolution reaction. **2023**, 942, 169070 ○
- 12 A comprehensive review of cathode materials for Na⁺ batteries. **2023**, 2, 465-502 ○
- 11 Coupling of NiSe₂ with MoSe₂ confined in nitrogen-doped carbon spheres as anodes for fast and durable sodium storage. **2023**, 944, 169157 ○
- 10 LiFePO₄/rGO composite prepared from the leaching liquor of jarosite residue as a cathode material for lithium-ion batteries. **2023**, 952, 170105 ○
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- 6 Membrane Life Cycle Management: An Exciting Opportunity for Advancing the Sustainability Features of Membrane Separations. **2023**, 57, 3013-3020 1
- 5 Development and challenges of deep eutectic solvents for cathode recycling of end-of-life lithium-ion batteries. **2023**, 463, 142278 ○
- 4 Recent progress in advanced organosulfur cathode materials for rechargeable lithium batteries. **2023**, ○
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- 1 Organic pH Buffer for Dendrite-Free and Shuttle-Free Zn-I₂ Batteries. ○