

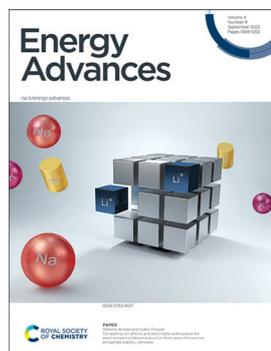
Energy Advances

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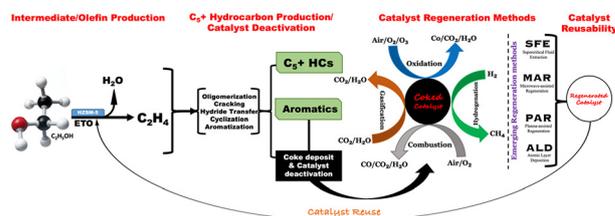
See Stefanie Arnold and Volker Presser, pp. 1114-1129. Image reproduced by permission of Uwe Bellhäuser and Volker Presser from *Energy Adv.*, 2025, 4, 1114.

REVIEW

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Unlocking catalytic longevity: a critical review of catalyst deactivation pathways and regeneration technologies

Ifeanyi Michael Smarte Anekwe* and Yusuf Makarfi Isa

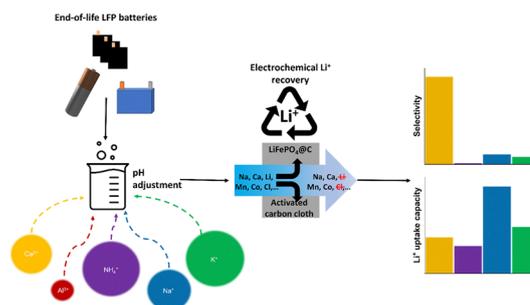


PAPERS

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Competing ion effects and electrolyte optimization for electrochemical lithium extraction from spent lithium iron phosphate battery cathodes

Stefanie Arnold and Volker Presser*



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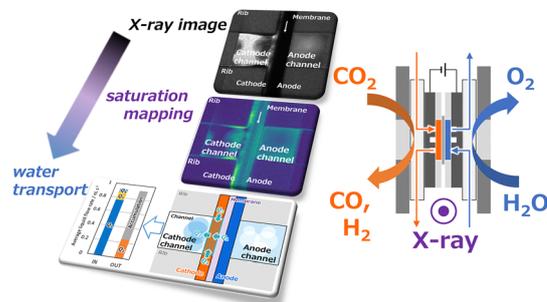
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Operando analysis of water transport in zero-gap CO₂ electrolysis cells

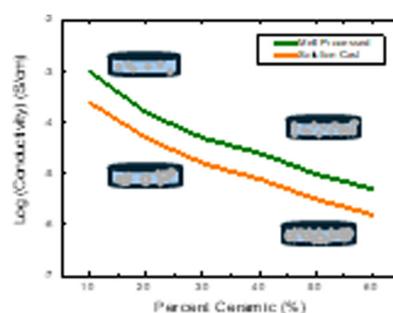
Masakazu Yamagiwa,* Naoya Fujiwara, Yusuke Kofuji and Ryota Kitagawa



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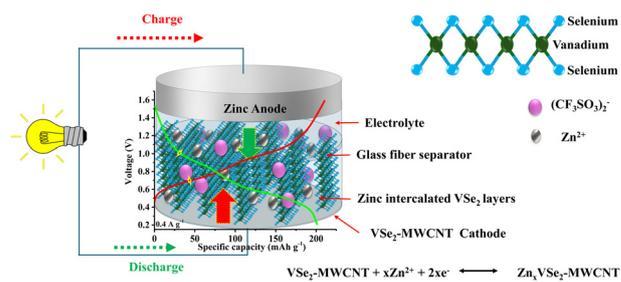
Gabrielle Foran,* Cédric Barcha, Caroline St-Antoine, Arnaud Prébé and Mickael Dollé



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2D layered VSe₂ with high pseudocapacitive Zn-ion storage as a cathode for high-power zinc-ion batteries

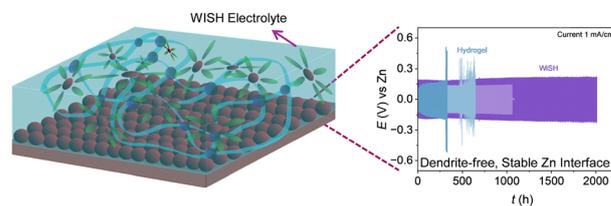
Saddam Hussain, Mayanmi Zimik, Meghali Devi, Md Kasif and Ranjith Thangavel*



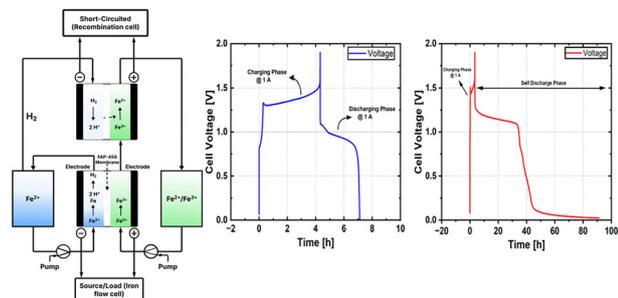
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Water-in-salt hydrogel electrolyte for dendrite-free Zn deposition

Varsha Joseph, Nara Kim, Sae Young Lee, Reverant Crispin, Tae Hyun Park* and Ziyauddin Khan*



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A multi-parameter analysis of iron/iron redox flow batteries: effects of operating conditions on electrochemical performance

Challuri Sai Venkata Akhil Kumar,* Jens Tübke, Karsten Pinkwart and Jens Noack

