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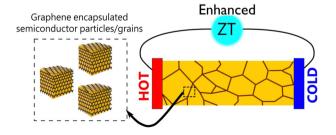


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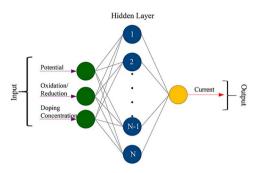
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## PERSPECTIVES

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Artificial intelligence-navigated development of high-performance electrochemical energy storage systems through feature engineering of multiple descriptor families of materials

Haruna Adamu, Sani Isah Abba, Paul Betiang Anyin, Yusuf Sani and Mohammad Qamar\*

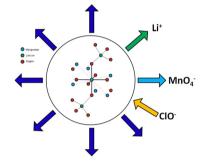


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Oxidative dissolution of lithium and manganese from lithium manganospinel (LiMn<sub>2</sub>O<sub>4</sub>): towards climate-smart processes for critical metal recycling

Rhys A. Ward,\* Dávid Kocsis\* and Jay D. Wadhawan\*

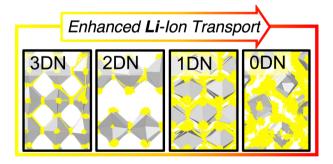


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Defect chemistry and ion transport in low-dimensional-networked Li-rich anti-perovskites as solid electrolytes for solid-state batteries

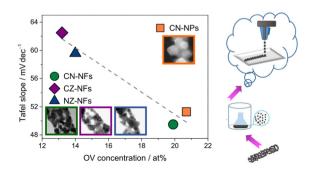
Ana Carolina Coutinho Dutra, George E. Rudman, Karen E. Johnston and James A. Dawson\*

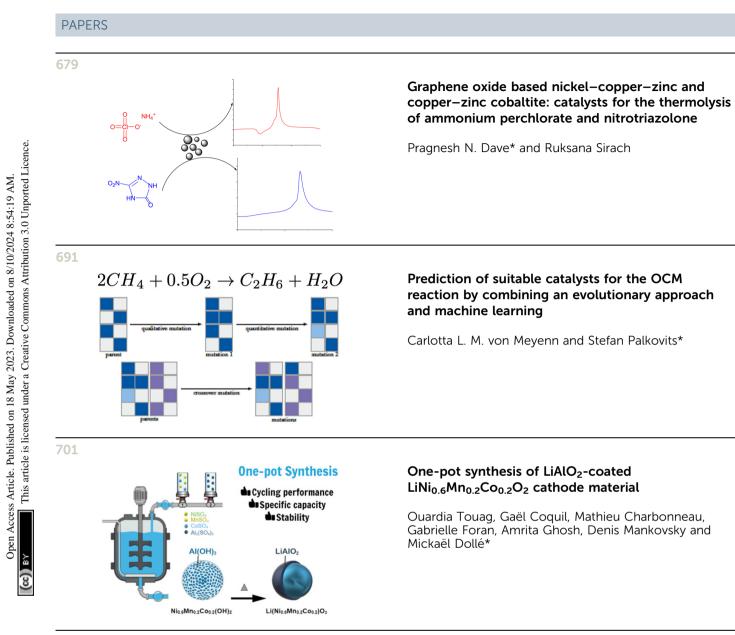




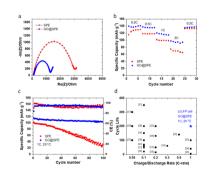
Evaluation of electrospun spinel-type high-entropy  $(Cr_{0.2}Mn_{0.2}Fe_{0.2}Co_{0.2}Ni_{0.2})_3O_4$ ,  $(Cr_{0.2}Mn_{0.2}Fe_{0.2}Co_{0.2}Zn_{0.2})_3O_4$  and  $(Cr_{0.2}Mn_{0.2}Fe_{0.2}Ni_{0.2}Zn_{0.2})_3O_4$  oxide nanofibers as electrocatalysts for oxygen evolution in alkaline medium

Claudia Triolo, Simon Schweidler, Ling Lin, Gioele Pagot, Vito Di Noto, Ben Breitung\* and Saveria Santangelo\*





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# Fast rate lithium metal batteries with long lifespan enabled by graphene oxide confinement

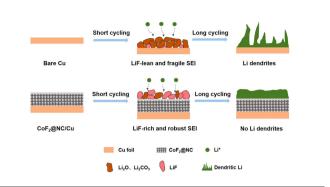
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An *in situ* LiF-enriched solid electrolyte interphase from CoF<sub>2</sub>-decorated N-doped carbon for dendrite-free Li metal anodes

Xiaopan Jin, Gaoxu Huang, Xianming Zhao, Guoli Chen, Mengjia Guan and Yongsheng Li\*



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# Photo-assisted electrochemical CO<sub>2</sub> reduction at a boron-doped diamond cathode

Goki Iwai, Andrea Fiorani,\* Jinglun Du and Yasuaki Einaga\*

