Journal of Materials Chemistry A

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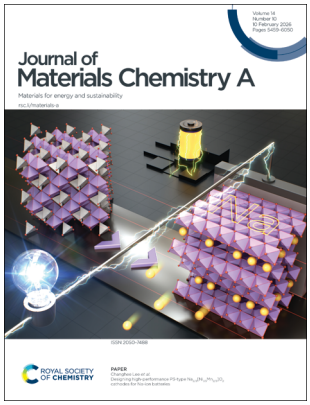
ISSN 2050-7488 CODEN JMCAET 14(10) 5459–6050 (2026)



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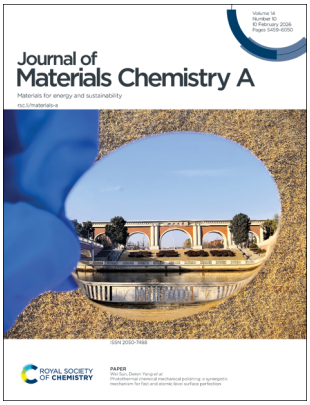

Inside cover
See Wei Sun, Deren Yang *et al.*, pp. 5639–5649. Image reproduced by permission of Wei Sun from *J. Mater. Chem. A*, 2026, **14**, 5639.

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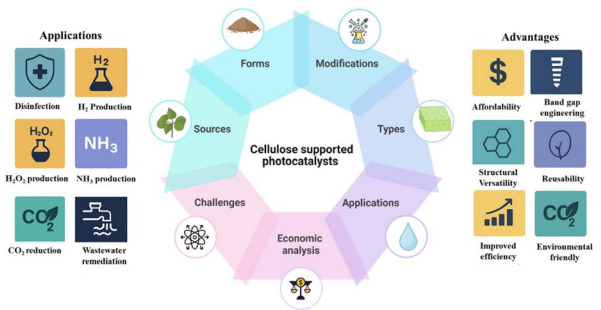

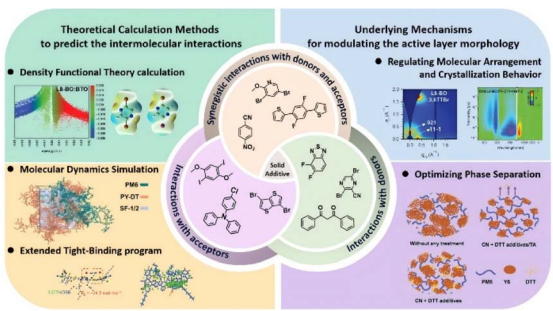

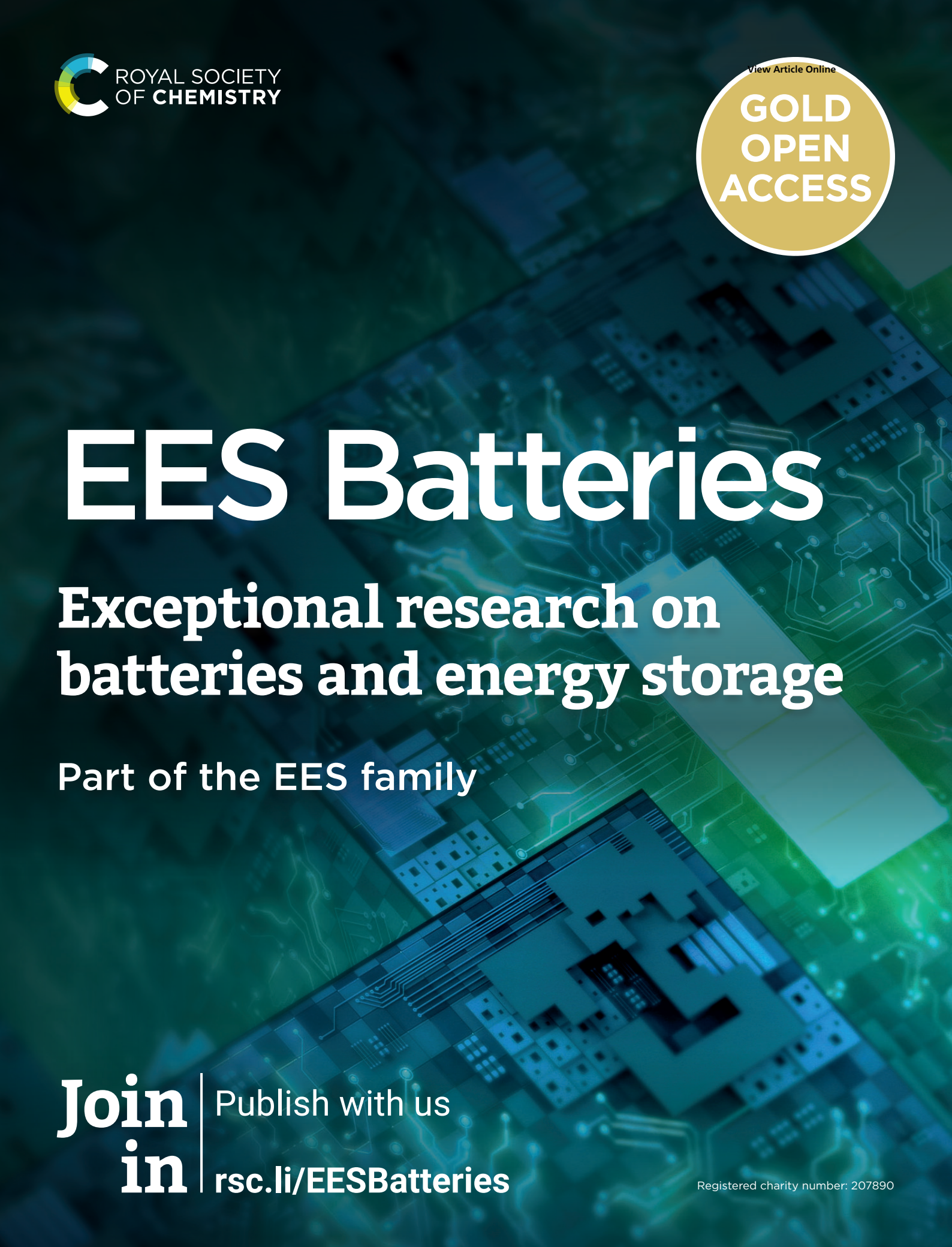
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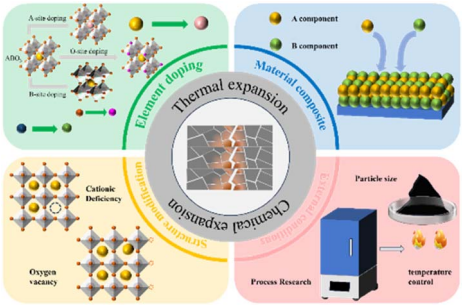

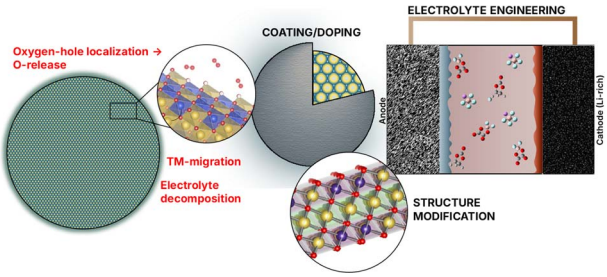

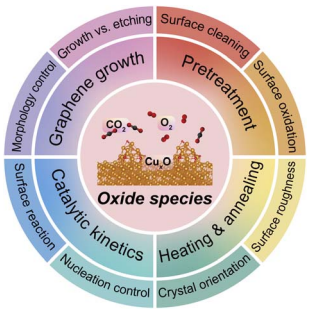

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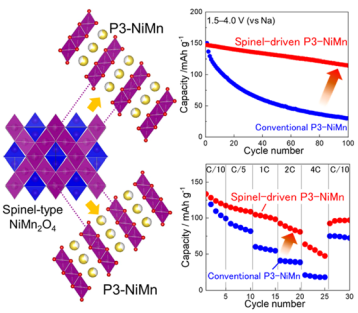

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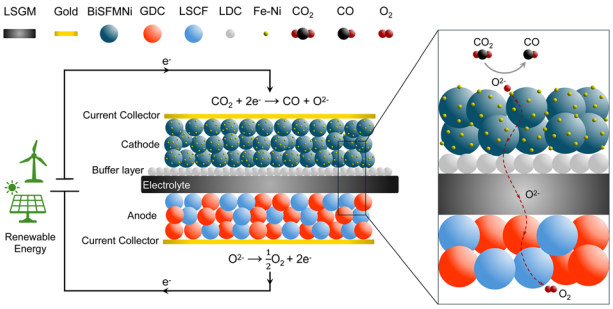

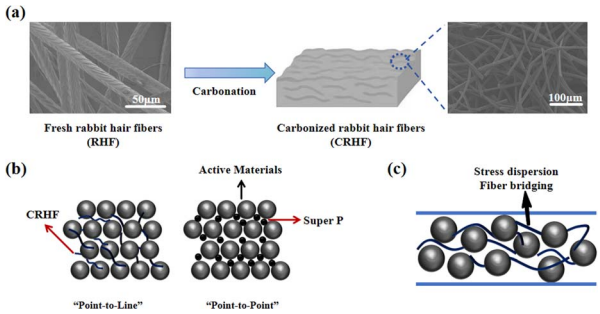

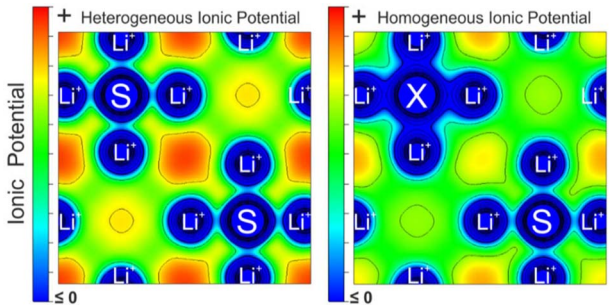

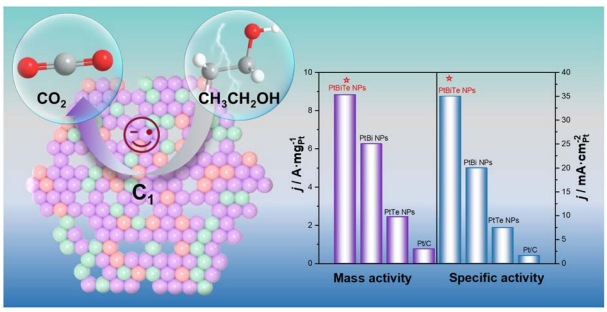

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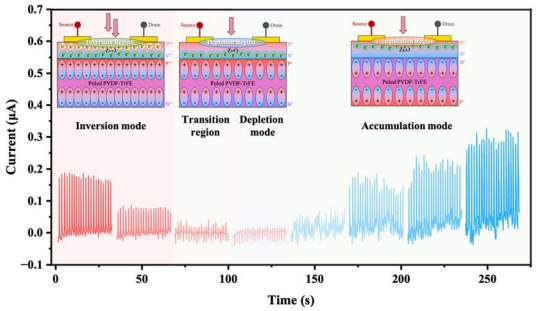

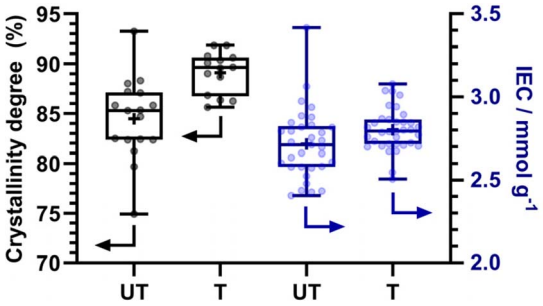

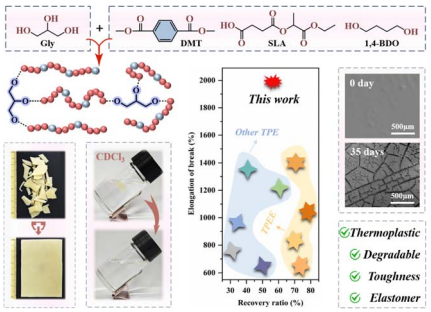

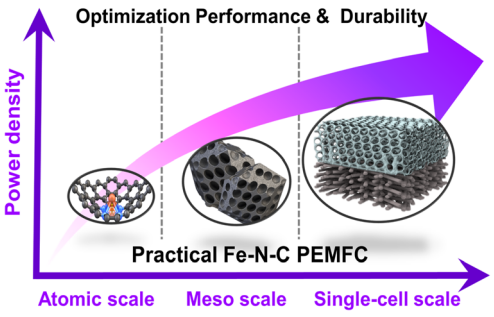

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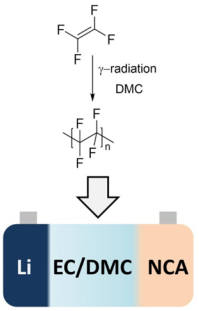

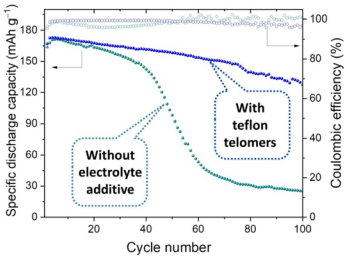

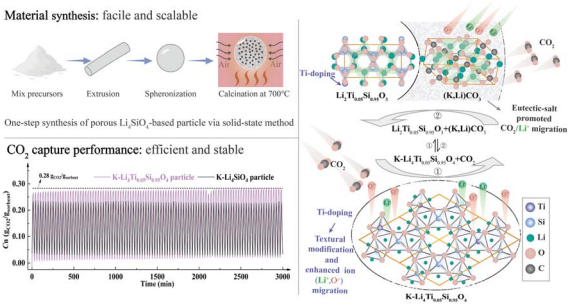

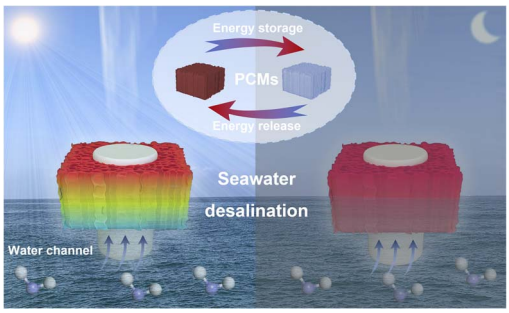

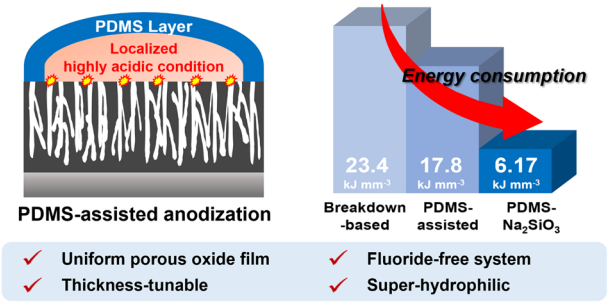

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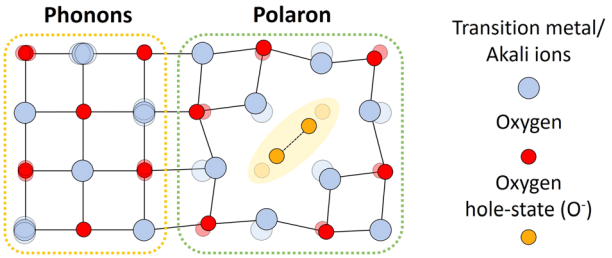

Phonon RIXS signatures reveal polaron formation in oxygen redox Li- and Na-ion battery cathodes

Moritz Hirsbrunner,* Pontus Törnblom, Sahil Tippireddy, Ke-Jin Zhou, Mirian Garcia-Fernandez, Robert A. House, Håkan Rensmo and Laurent C. Duda*

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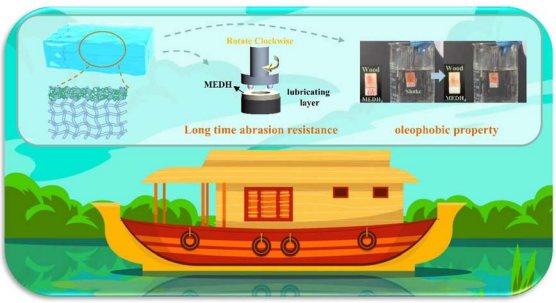

Demulsification-enabled entanglement anchoring prepared superlubrication hydrogel for antifouling of vessel surfaces

Shijia He, Shuhang Deng, Li Wang, Jingjuan Lai, Jing Yi, Dong Xiang, Chunxia Zhao, Hui Li, Xuezhong Zhang, Dong Li, Guilong Yan and Yuanpeng Wu*

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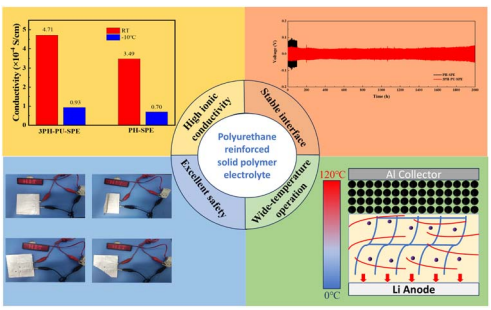

Wide-temperature flexible polyurethane network reinforced PVDF-HFP electrolytes for solid-state lithium metal batteries operated under extreme conditions

Kaidong Zhang, Jing Yang, Kangshuai Zhu, Tongle Xu and Qinmin Pan*

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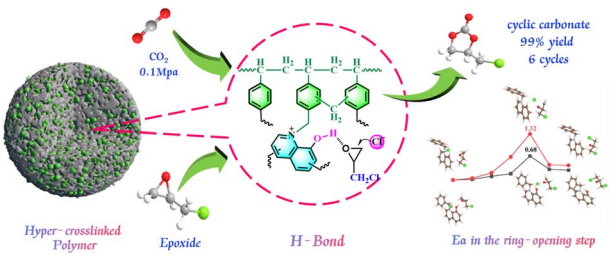

A hydroxyl-assisted ionic bifunctional hyper-crosslinked polymer as an efficient and recyclable heterogeneous catalyst for CO_2 cycloaddition

Jingjing Liu, Shulei Xiang, Dexuan Xiang,* Jingao Wu, Hongliang Xu, Gui Chen, Zaixing Zhang, Feipeng Yuan and Yuejun Ouyang