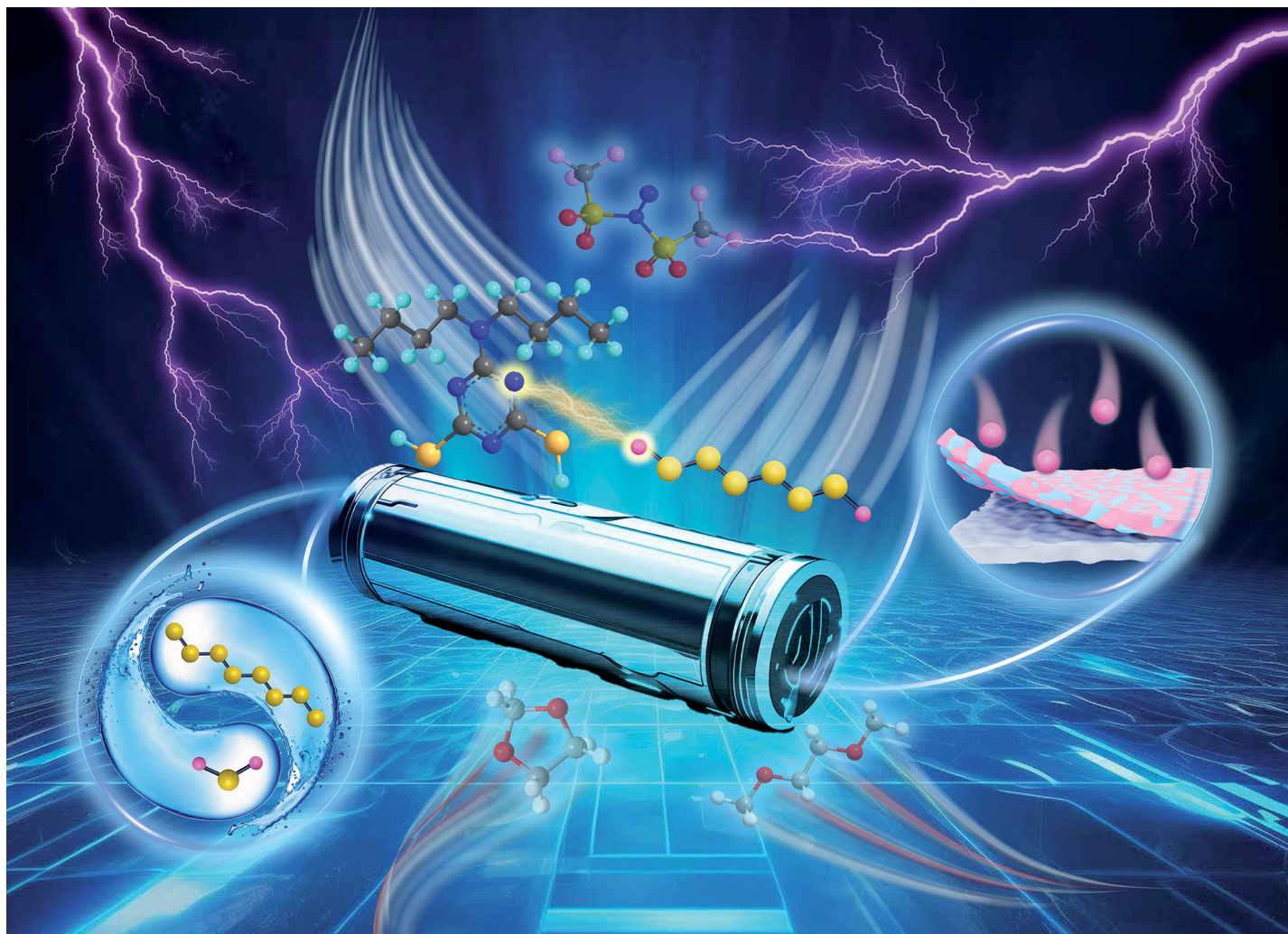




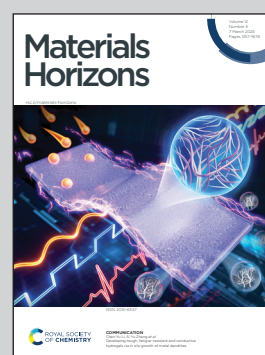
Showcasing research from Professor Yiyong Zhang's laboratory at the Faculty of Metallurgical and Energy Engineering, Kunming University of Science and Technology, Kunming, China.

Dual functional coordination interactions enable fast polysulfide conversion and robust interphase for high-loading lithium-sulfur batteries

DTD inhibits the shuttle effect and modulates the anode interface through coordination interactions, resulting in fast conversion kinetics and robust SEI under high-loading conditions. This work provides a new idea for elucidating the mechanisms of polysulfide conversion and SEI interface regulation and these theories provide insights for designing high-performance electrolytes.

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As featured in:



See Yannan Zhang, Shuaifeng Lou, Yingjie Zhang, Yiyong Zhang *et al.*, *Mater. Horiz.*, 2025, **12**, 1473.