



Showcasing research from Professor Zhangxing He's laboratory, School of Chemical Engineering, North China University of Science and Technology, Tangshan 063009, Hebei, China.

Tailoring desolvation strategies for aqueous zinc-ion batteries

Desolvation strategy has been demonstrated as a viable strategy capable of minimizing direct solvent-solute interactions at the anode/cathode interface, suppressing Zn dendrite formation, reducing cathode dissolution, mitigating side reactions, and ultimately achieving enhanced battery performance. *This cover illustrates the desolvation strategies in aqueous zinc-ion batteries through an anthropomorphic form, showcasing how this strategy can be applied to battery components to enhance battery performance.*

As featured in:



See Shude Liu, Zhangxing He, Qiaobao Zhang *et al.*, *Energy Environ. Sci.*, 2024, 17, 4819.