



Showcasing research from Professor Yuqiao Wang's group at Research Center for Nano Photoelectrochemistry and Devices, School of Chemistry and Chemical Engineering, Southeast University, Nanjing, China.

Tip effect assisted high active sites for oxygen evolution reaction tuned using transition metals (Cr, Fe and Mo) doped with CoP

Transition metals (Cr, Fe and Mo) doping into CoP array nanocones alters the tip curvature of CoP to strengthen tip effect with increasing curvature. The stronger tip effect of Fe-CoP improves OH^- concentration, accelerates surface charge transfer and enhances the electric field for a higher catalytic efficiency. Tip effect assisted high active sites tuned by transition metals doping provide a strategy for efficient oxygen evolution reaction catalysis.

As featured in:



See Yuqiao Wang *et al.*,
J. Mater. Chem. A, 2023, **11**, 23270.