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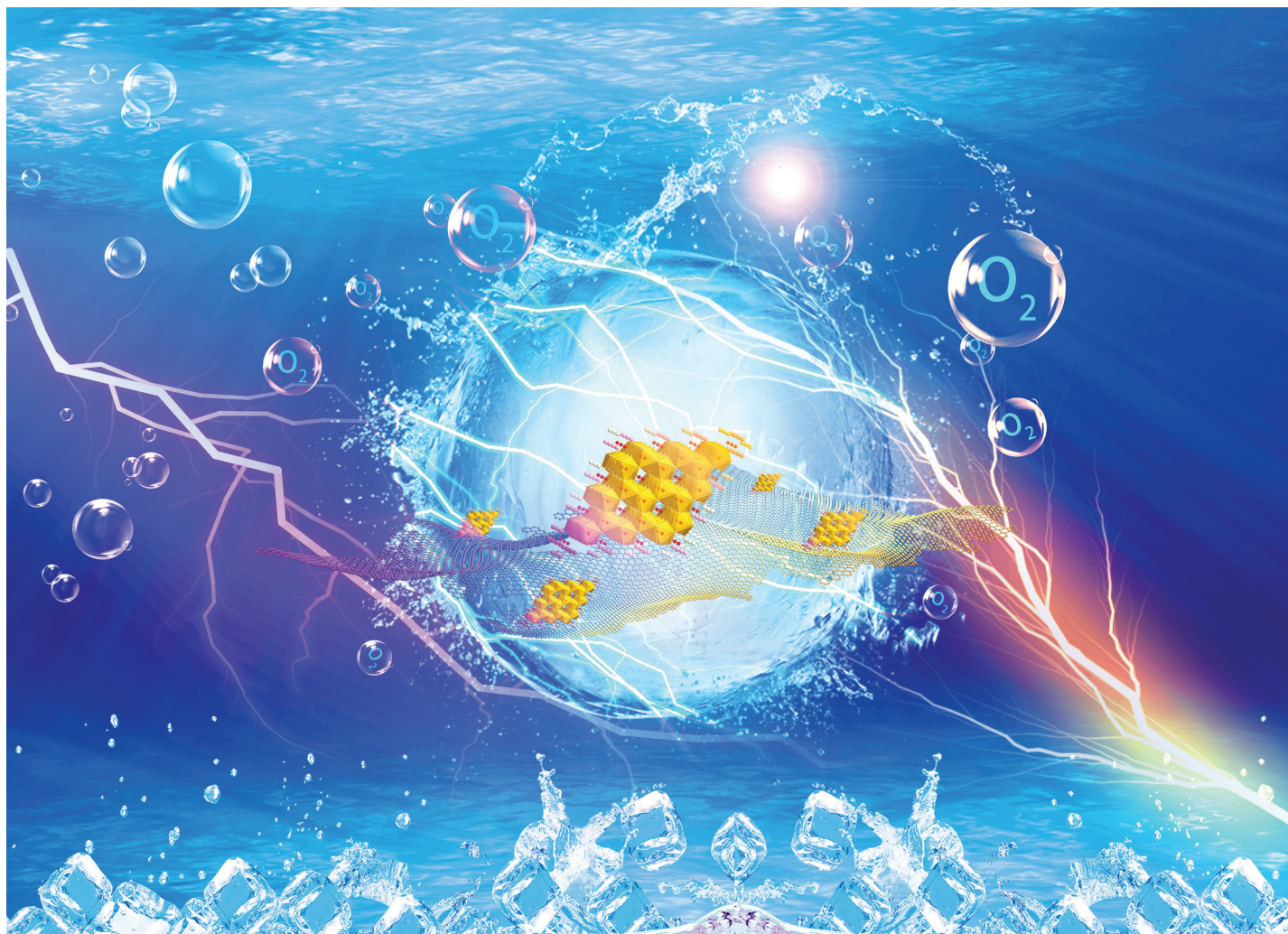
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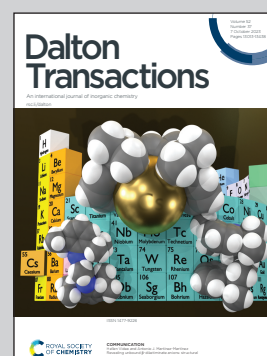


Showcasing research from Dr. Jiabo Wang's laboratory,  
Engineering Research Center of Jilin Provincial Higher Education  
University of Chemical Separation Technology, School of  
Petrochemical Technology, Jilin Institute of Chemical Technology,  
Jilin, P.R. China.

Designing N-doped graphene-like supported highly dispersed  
bimetallic NiCoP NPs as an efficient electrocatalyst for water  
oxidation

A high-temperature calcination process was used to synthesize  
the electrocatalyst comprising N-doped graphene-like supported,  
highly dispersed bimetallic NiCoP NPs. In this synthesis, the  
cation exchange resin interacts with other cations in the solution,  
enhancing the dispersibility of the nanoparticles. The porous  
structure endows NiCoP-3@GL with an increased number of active  
sites during the electrocatalytic process. The unique morphology  
enhances the specific surface area of material, which in turn boosts  
the contact area between the catalyst and the electrolyte, ultimately  
improving the OER performance.

As featured in:



See Jiabo Wang, Jibo Zhang,  
Li Chen *et al.*, *Dalton Trans.*, 2023,  
52, 13079.