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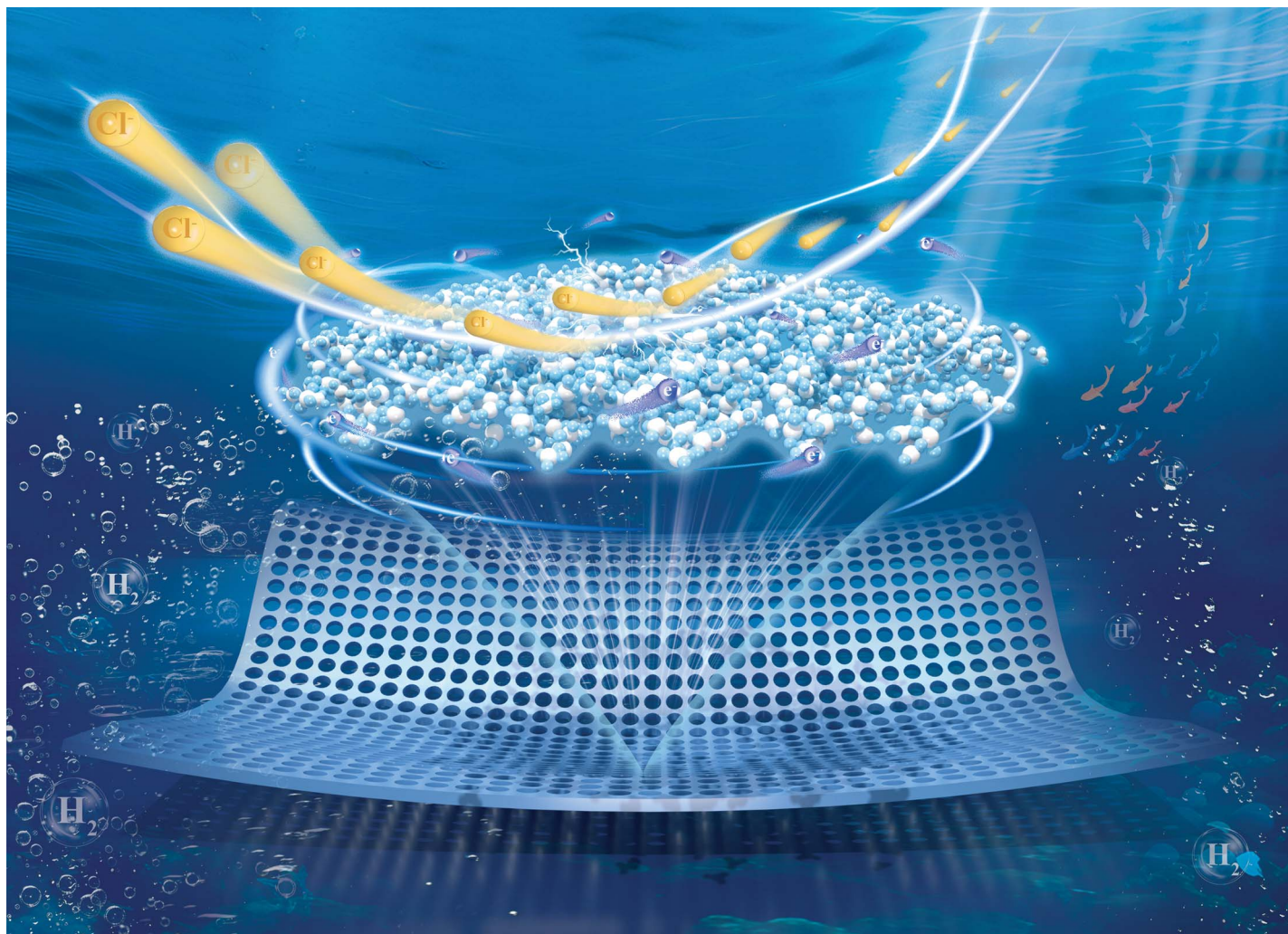
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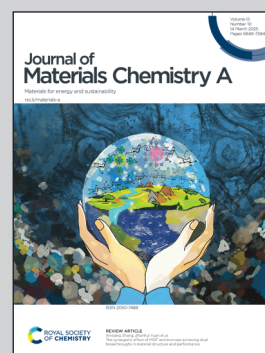
Showcasing research on seawater hydrogen evolution reaction by Prof. Guan Renguo, and Prof. Zhang Jin at Dalian Jiaotong University, Dalian, China, and Dr. Zhang Meilin from Northeastern University, Shenyang, China.

Hierarchical porous Co-rich PtCo thin films for alkaline seawater hydrogen evolution with chlorine corrosion resistance

We successfully electrodeposited hierarchical porous Co-rich PtCo films using nonionic surfactant F127 to induce mesoporosity. The deposits exhibited excellent seawater hydrogen evolution reaction (HER) activity and chlorine corrosion resistance, which can be attributed to its porosity and electron accumulation on Pt.

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As featured in:



See Jin Zhang, Renguo Guan *et al.*, *J. Mater. Chem. A*, 2025, **13**, 7125.