

EES Catalysis

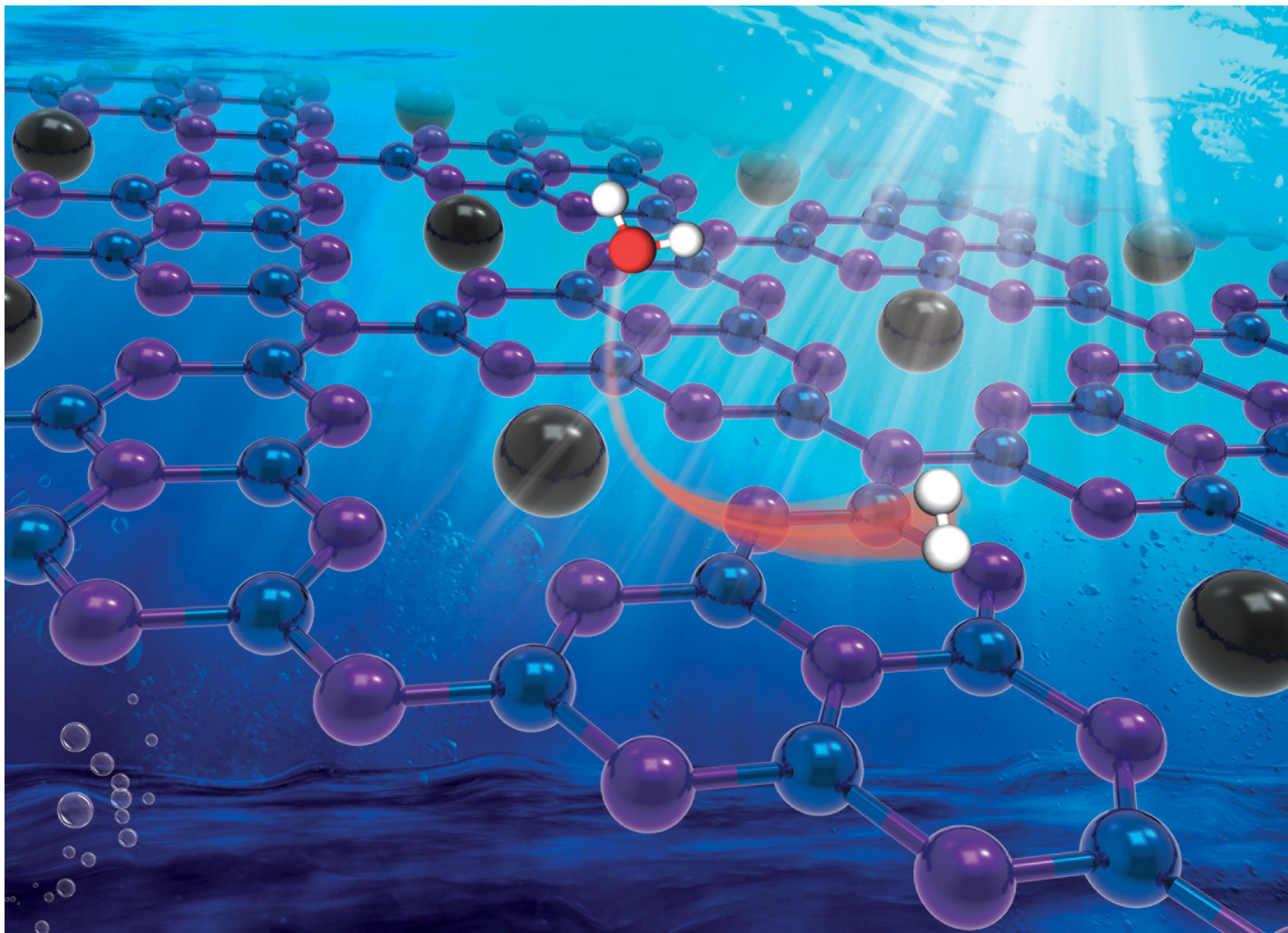
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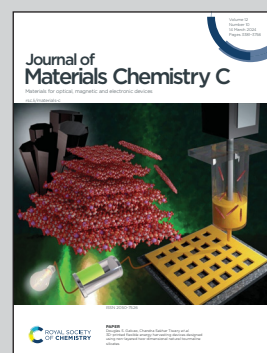


Showcasing research from the group of Professor Jie Ma and Dr Yongming Fu at Shanxi University, China.

Accelerating photocatalytic hydrogen production by anchoring Pt single atoms on few-layer g-C₃N₄ nanosheets with Pt-N coordination

Few-layer g-C₃N₄ nanosheets were successfully modified with Pt single atoms with 1.5 at% through low-temperature incipient wetness impregnation method, increasing the photocatalytic H₂ production rate by two orders of magnitude. Robust Pt-N₆ coordination was achieved by incorporating a Pt atom in the center of the sixfold cavity in g-C₃N₄.

As featured in:



See Yongming Fu, Jie Ma *et al.*,
J. Mater. Chem. C, 2024, **12**, 3437.