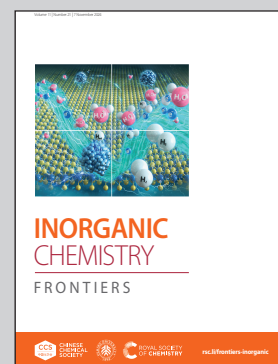


Showcasing research from Professor Li's laboratory, School of Chemistry and Chemical Engineering, Henan Normal University, Xinxiang, China.

An unprecedented oxalate-functionalized Ta/W polyoxometalate enabling the self-assembly of a 2D composite for catalytic hydrogenation

The first oxalate-functionalized Ta-polyoxometalate was synthesized and integrated into a graphene composite, Pd/(C<sub>2</sub>O<sub>4</sub>-POM)@rGO, displaying outstanding catalytic performance in olefin hydrogenation, which is attributed to the hydrogen spillover effect based on the synergistic interaction among C<sub>2</sub>O<sub>4</sub>-POM, Pd NPs and rGO.

### As featured in:



See Shujun Li, Nana Ma, Qianyi Zhao, Xuenian Chen *et al.*, *Inorg. Chem. Front.*, 2024, 11, 7324.

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