Showcasing the collaborative research from Dr. Yao Chai, Dr. Fengjia Xie and Professor Xuming Zhang from Hong Kong Polytechnic University, and Associate Professor Guangya Zhou, National University of Singapore.

Electron-mediator-free efficient photocatalytic regeneration of coenzyme NAD(P)H *via* direct electron transfer using ultrathin Bi_2MoO_6 nanosheets

Single-layer Bi_2MoO_6 nanosheets have been shown to efficiently photocatalyze the regeneration of 100% pure 1,4-NADH from NAD^+ through an electron-proton-electron transfer pathway, eliminating the need for electron mediators. This breakthrough enhances the regeneration of valuable coenzymes for both fundamental biomedical research and practical applications in health and nutrition.

As featured in:

See Fengjia Xie, Guangya Zhou, Xuming Zhang *et al.*, *Green Chem.*, 2025, **27**, 623.

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