

Ultrathin black phosphorus as pivotal hole extraction layer and oxidation evolution cocatalyst boosting solar water oxidation

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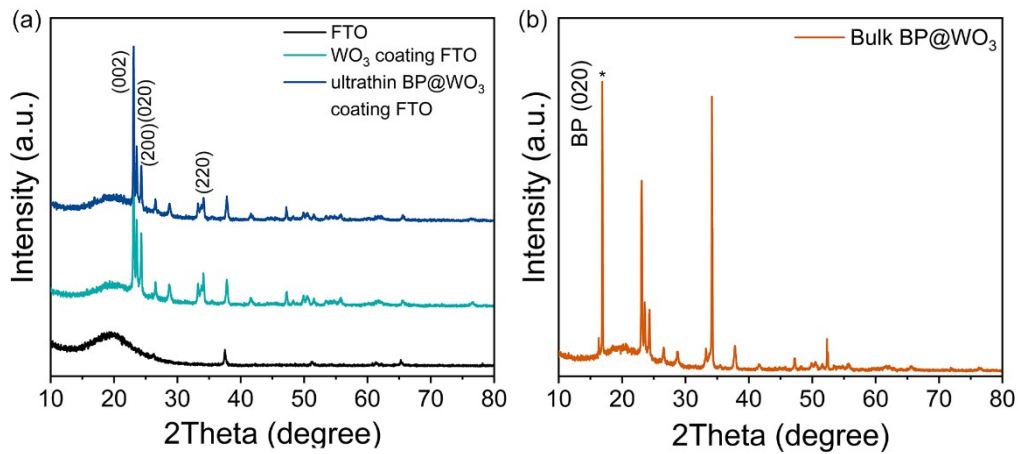


Fig. S1 (a) XRD patterns of the FTO substrate, WO₃ coating FTO substrate, and BP@WO₃ coating FTO substrate. (b) XRD pattern of bulk BP crystals decorated WO₃ photoanode.

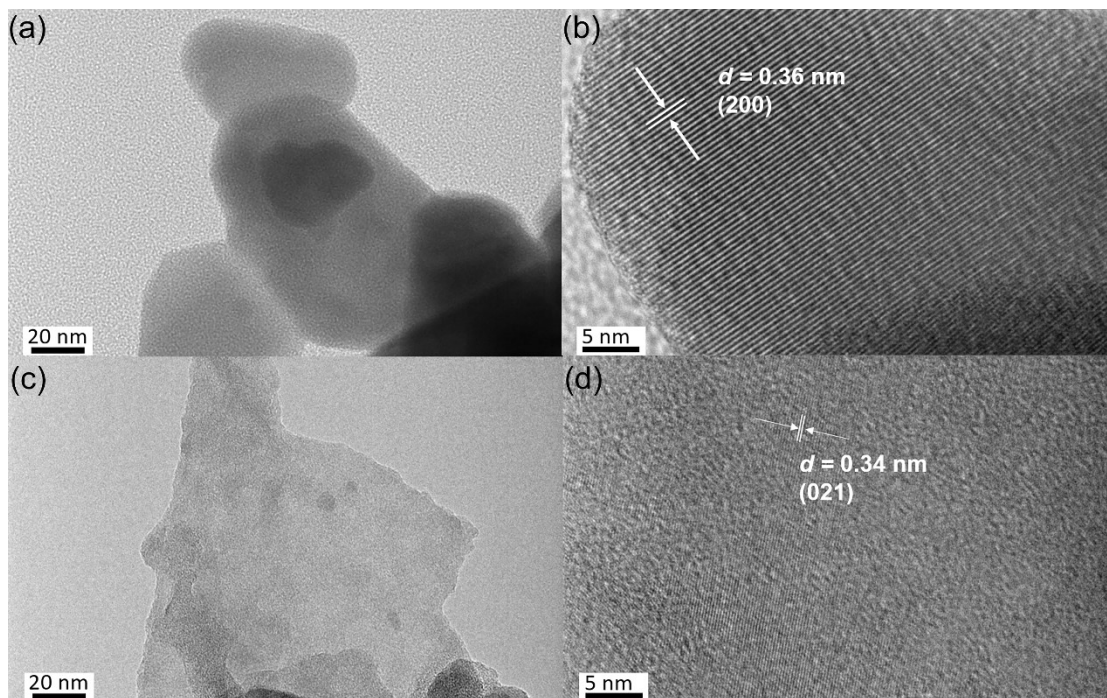


Fig. S2 TEM and HRTEM images of the WO₃ nanosheet (a), (b) and the exfoliated BP nanosheet (c), (d).