

Supporting information

Solar hydrogen generation from seawater with a modified

BiVO_4 photoanode

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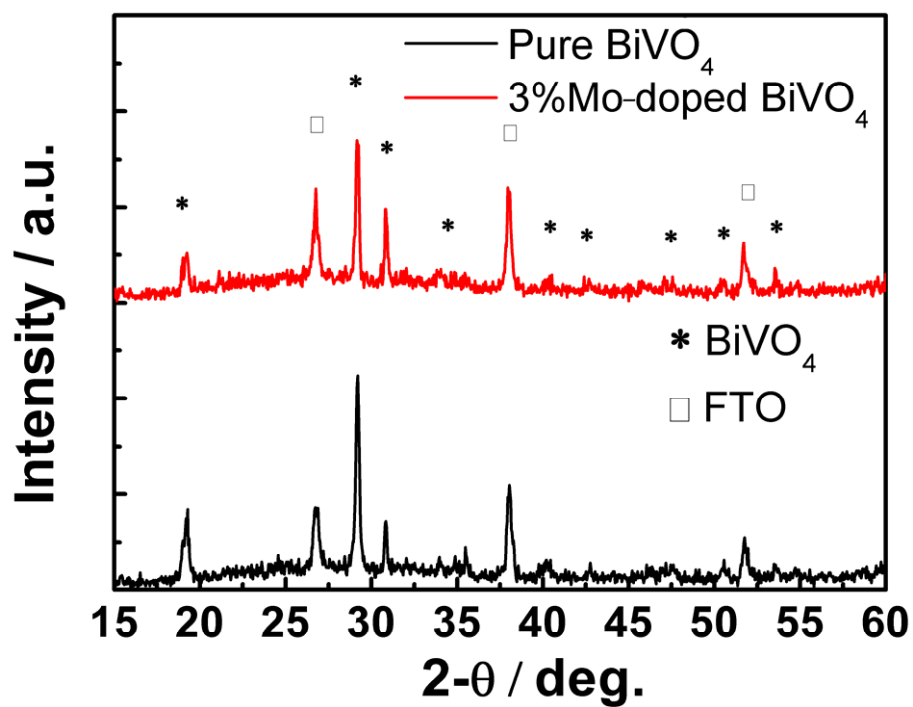


Figure S1: XRD patterns of BiVO_4 and Mo-doped BiVO_4 , (*) BiVO_4 , (□) FTO substrates

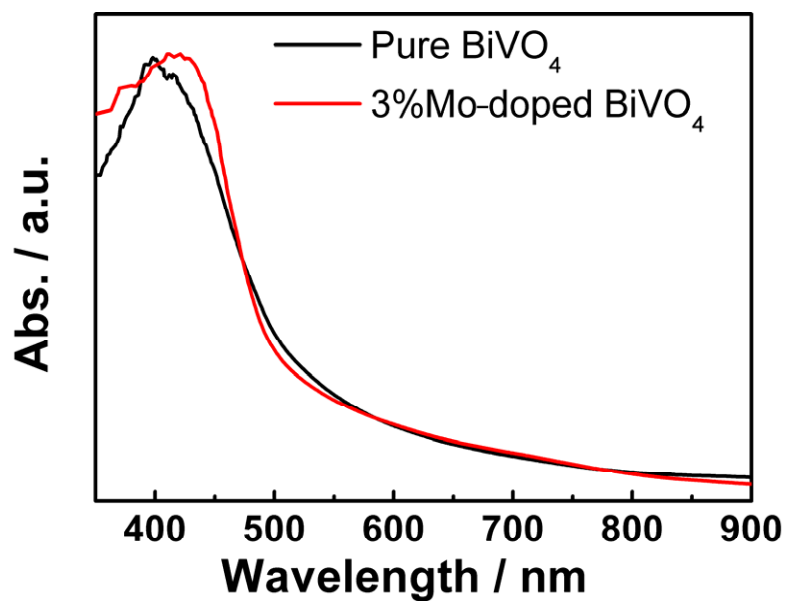


Figure S2: UV-vis absorption spectra of pure BiVO_4 and Mo-doped BiVO_4

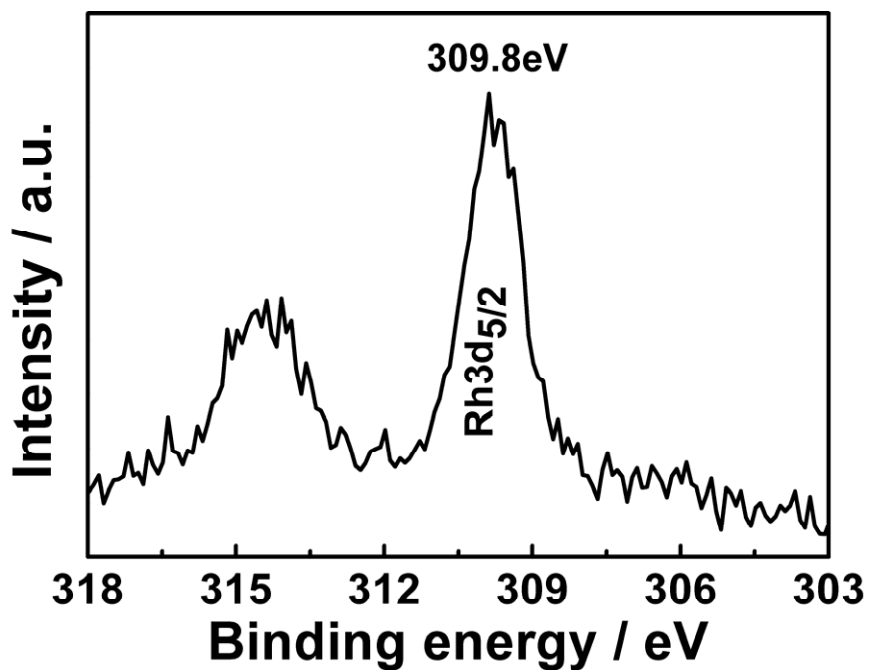


Figure S3: Binding energy of RhO_2 loaded on the surface of Mo-doped BiVO_4

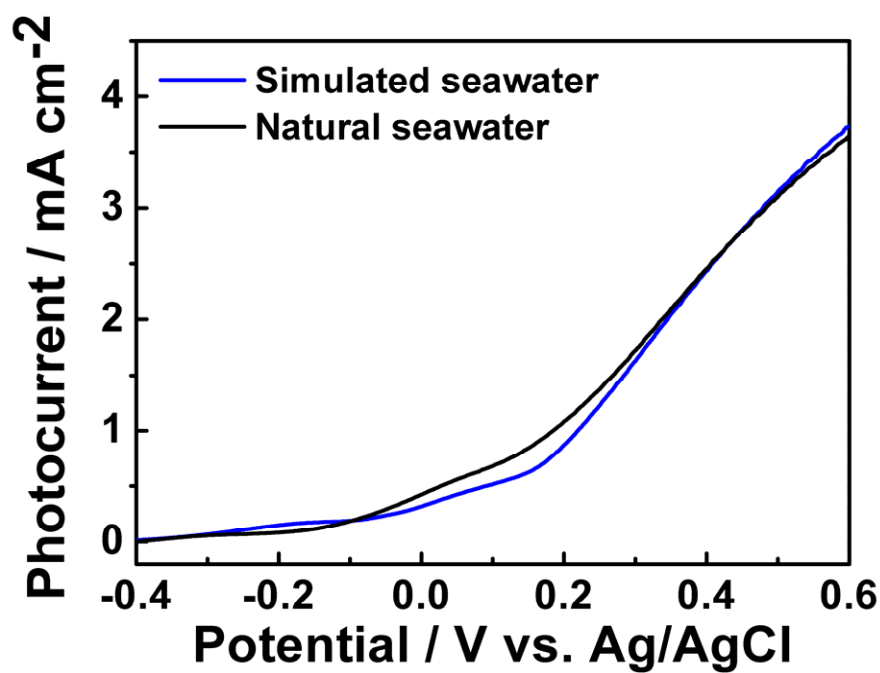


Figure S4: I-V curves of Mo-doped BiVO₄ in natural seawater and simulated seawater
500 W Xe lamp

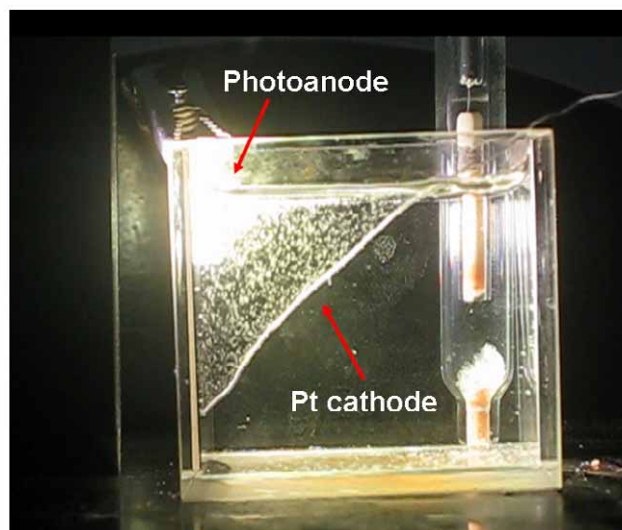


Figure S5: Hydrogen gas bubbles from a Pt cathode when the Mo-doped BiVO₄ photoanode with RhO₂ modification is illuminated in seawater.

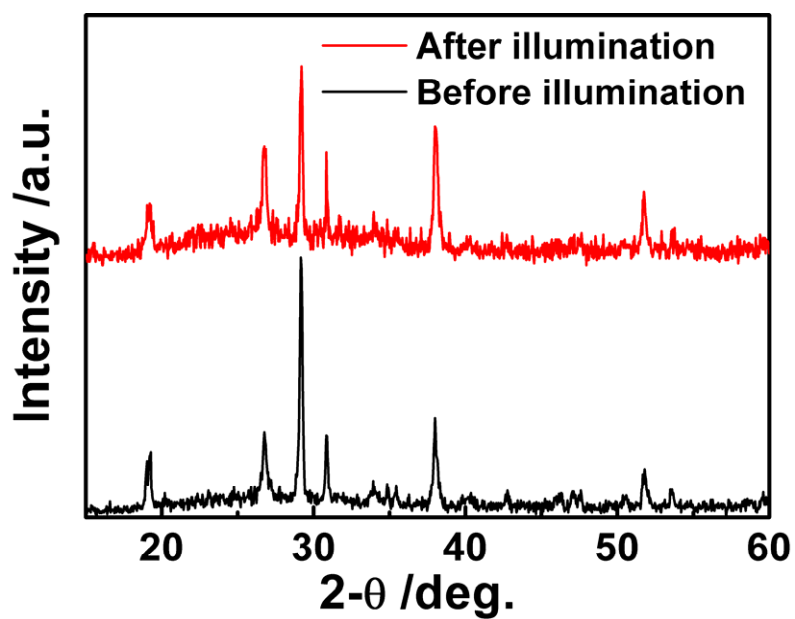


Figure S6: XRD patterns of the Mo-doped BiVO₄ with RhO₂ modification before and after illumination in natural seawater, potential 1V vs. Ag/AgCl