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 BiVO₄ and Mo-doped BiVO₄

**Figure S3:** Binding energy of RhO₂ loaded on the surface of Mo-doped BiVO₄
**Figure S4:** I-V curves of Mo-doped BiVO$_4$ in natural seawater and simulated seawater

500 W Xe lamp

**Figure S5:** Hydrogen gas bubbles from a Pt cathode when the Mo-doped BiVO$_4$ photoanode with RhO$_2$ modification is illuminated in seawater.
Figure S6: XRD patterns of the Mo-doped BiVO$_4$ with RhO$_2$ modification before and after illumination in natural seawater, potential 1V vs. Ag/AgCl