

Supplementary Information

Ultrathin black TiO₂ nanosheet-assembled microspheres with high stability for efficient solar-driven photocatalytic hydrogen evolution

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10. **Figure S10.** XPS survey spectrum of TiO₂-Air and b-TiO₂-EN.

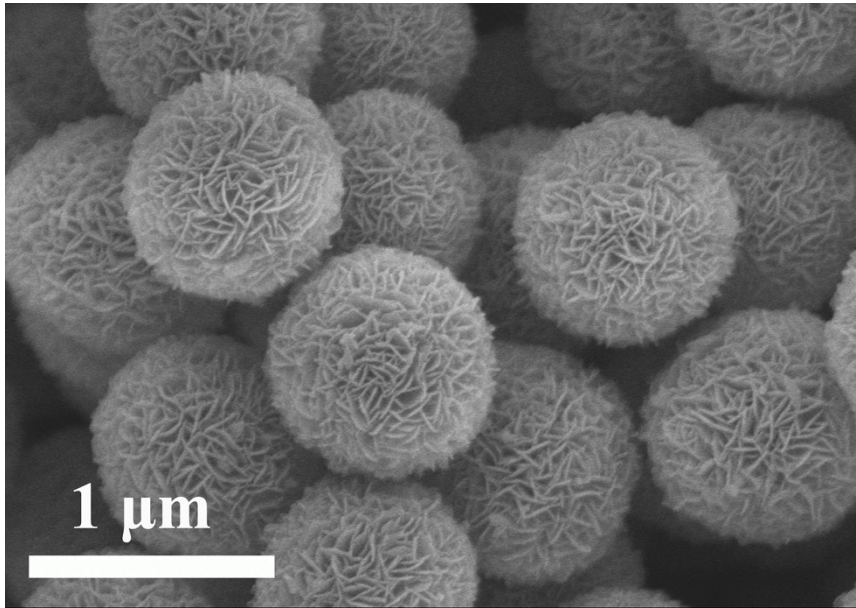


Figure S1. SEM patterns of the ultrathin titanate precursor.

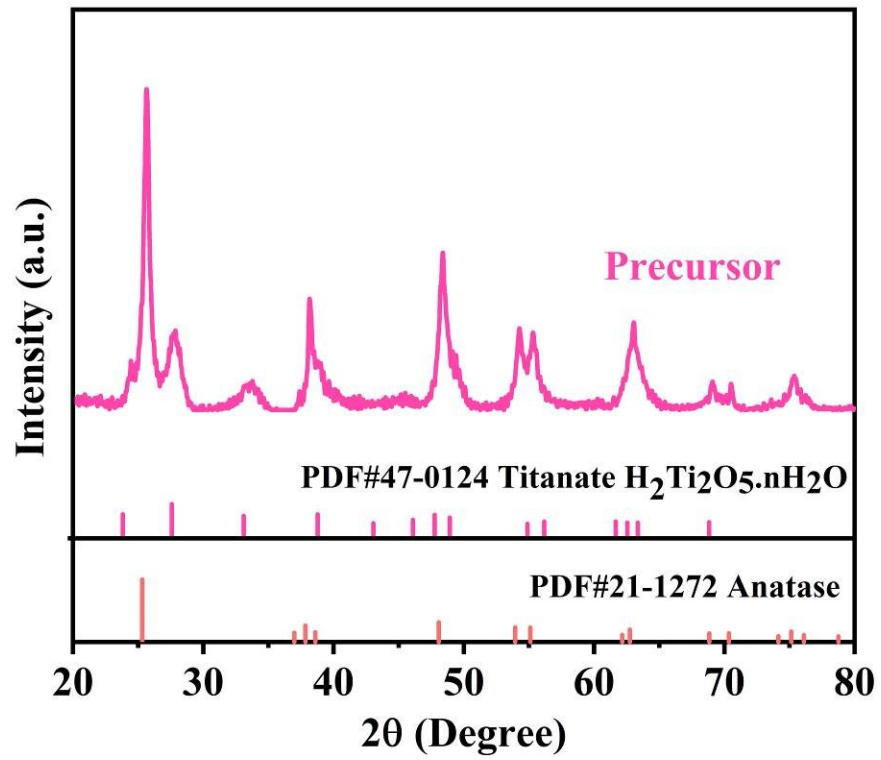


Figure S2. XRD diffraction patterns of titanate precursor.

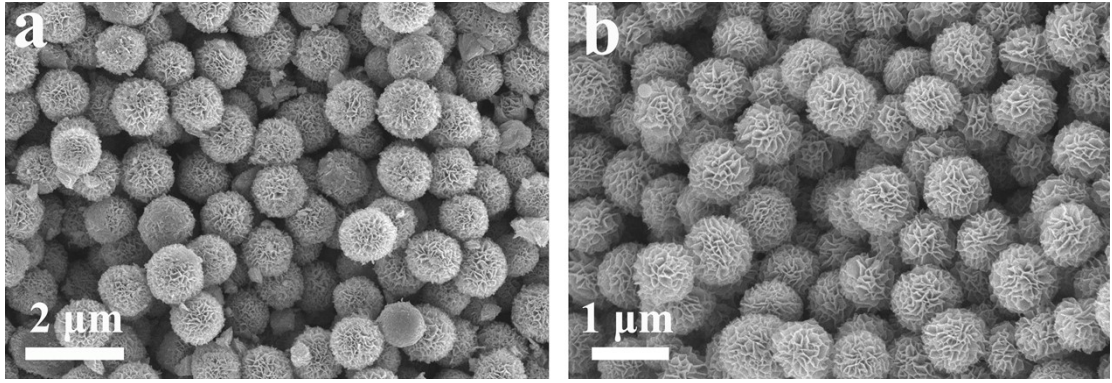


Figure S3. SEM patterns of the TiO₂-Air (a) and TiO₂-EN-Air (b), respectively.

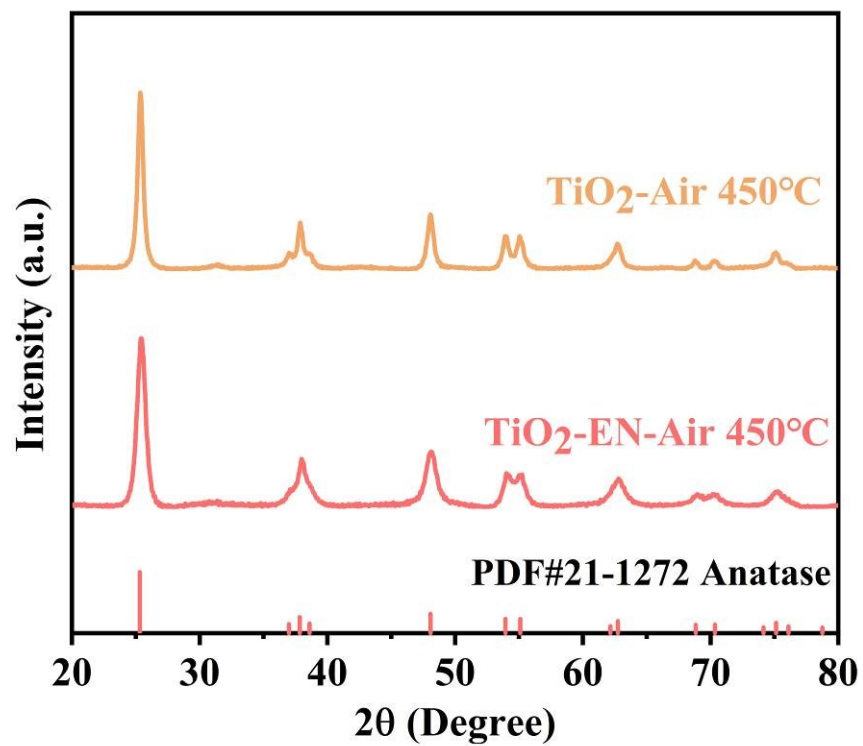


Figure S4. XRD diffraction patterns of TiO₂-Air and TiO₂-EN-Air.

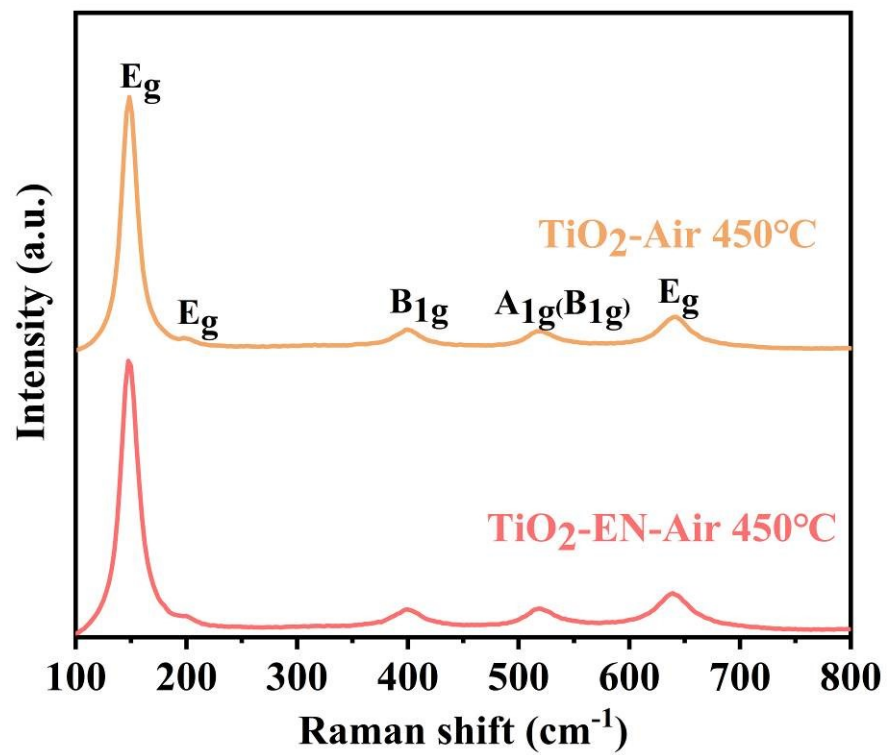


Figure S5. Raman spectra of TiO₂-Air and TiO₂-EN-Air.

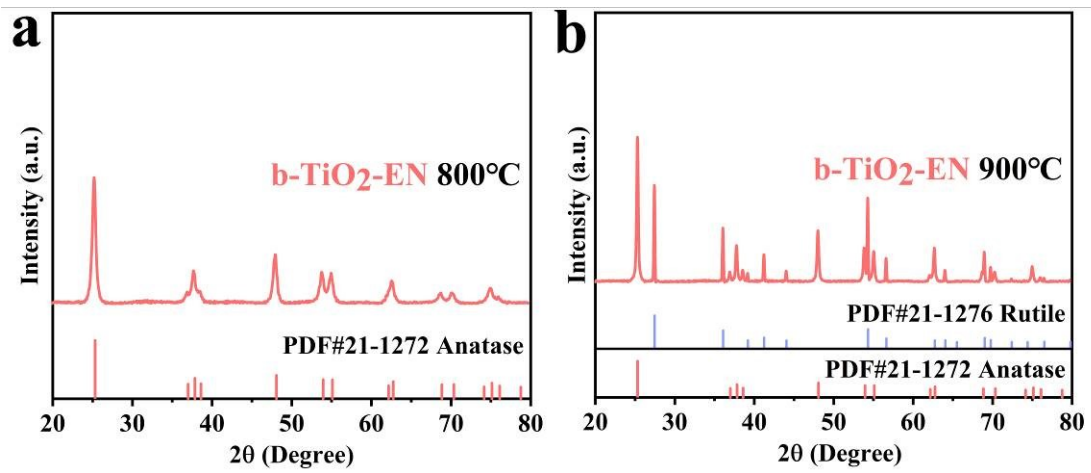


Figure S6. XRD diffraction patterns of b-TiO₂-EN calcined under 800 °C (a) and b-TiO₂-EN calcined under 900 °C (b).

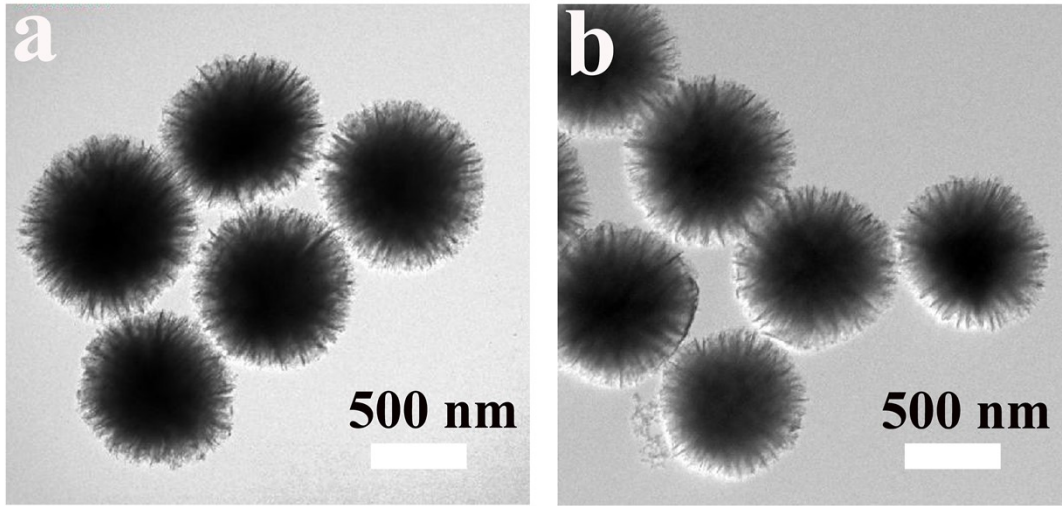


Figure S7. TEM patterns of the TiO₂-Air (a) and TiO₂-EN-Air (b), respectively.

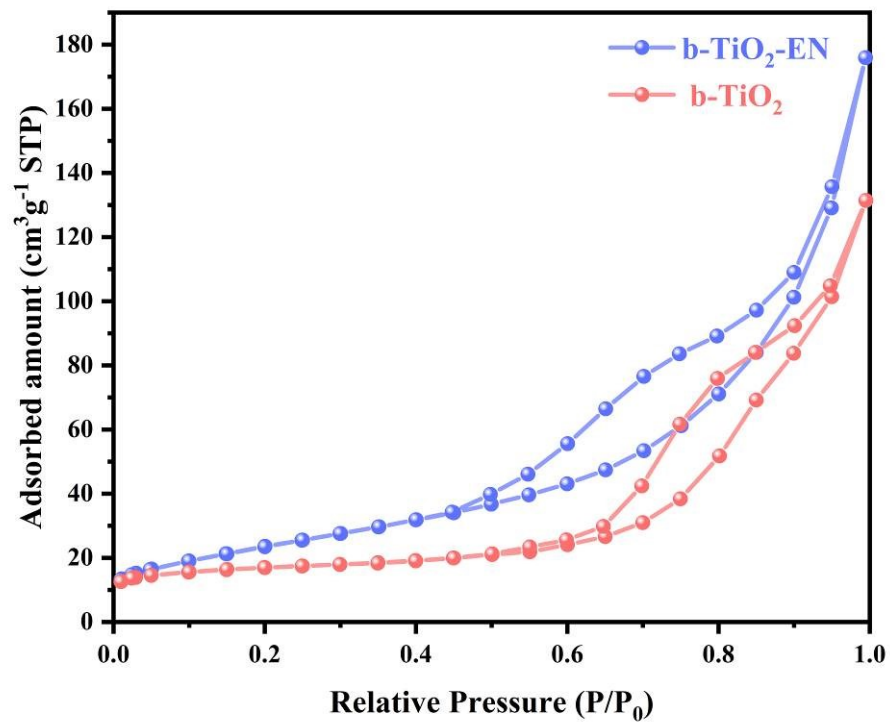


Figure S8. N₂ adsorption-desorption isotherms (a) of the b-TiO₂ and b-TiO₂-EN, respectively.

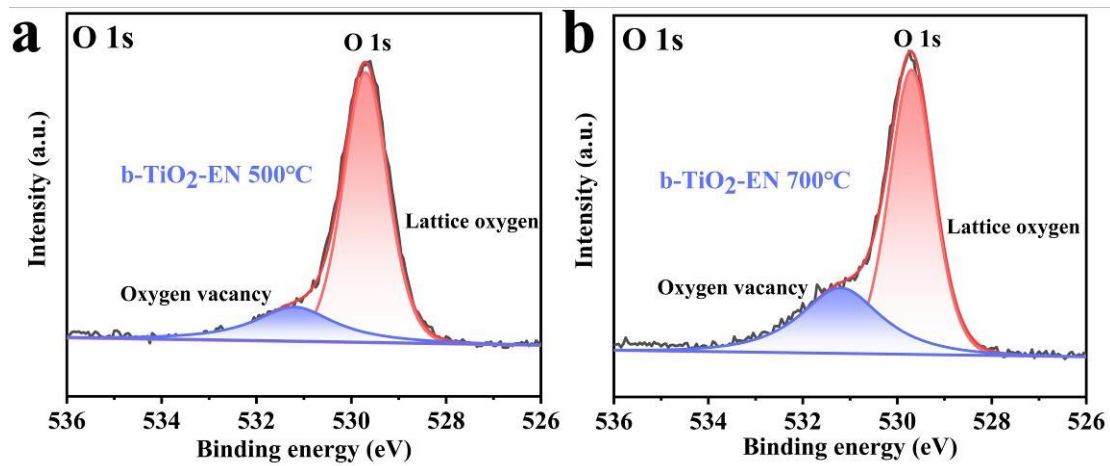


Figure S9. XPS O1s patterns of b-TiO₂-EN calcined under 500 °C (a) and b-TiO₂-EN calcined under 700 °C (b).

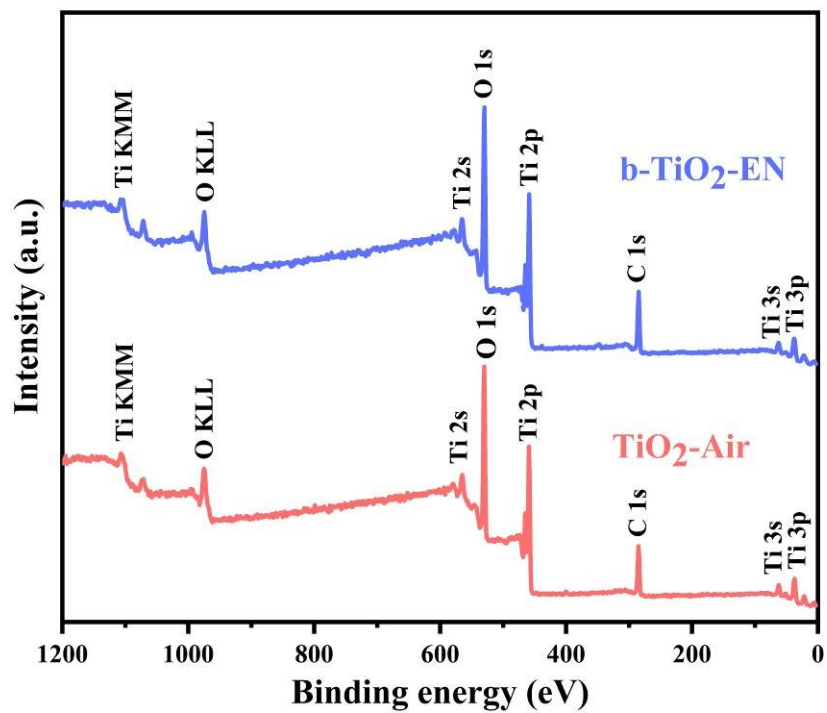


Figure S10. XPS survey spectrum of TiO₂-Air and b-TiO₂-EN.