

Supporting Information

Enhanced photocatalytic H₂ production on hierarchical rutile TiO₂ microspheres

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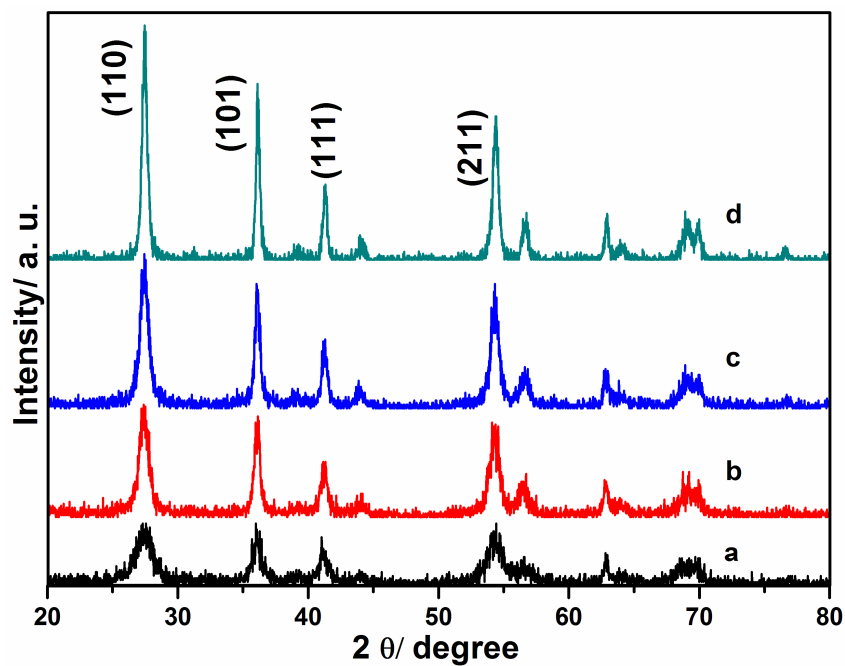


Fig. S1. XRD patterns of TiO₂ microspheres synthesized at 200 °C for different reaction time: (a) 1 h; (b) 6 h; (c) 12 h; (d) 24 h.

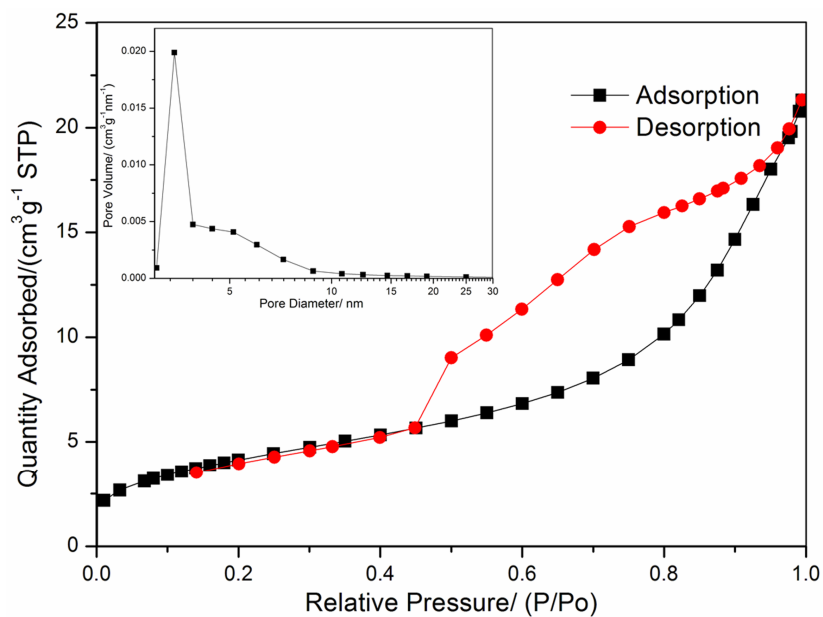


Fig. S2. Typical nitrogen adsorption-desorption isotherm of the rutile TiO₂ microspheres. The inset shows the corresponding pore-size distribution.

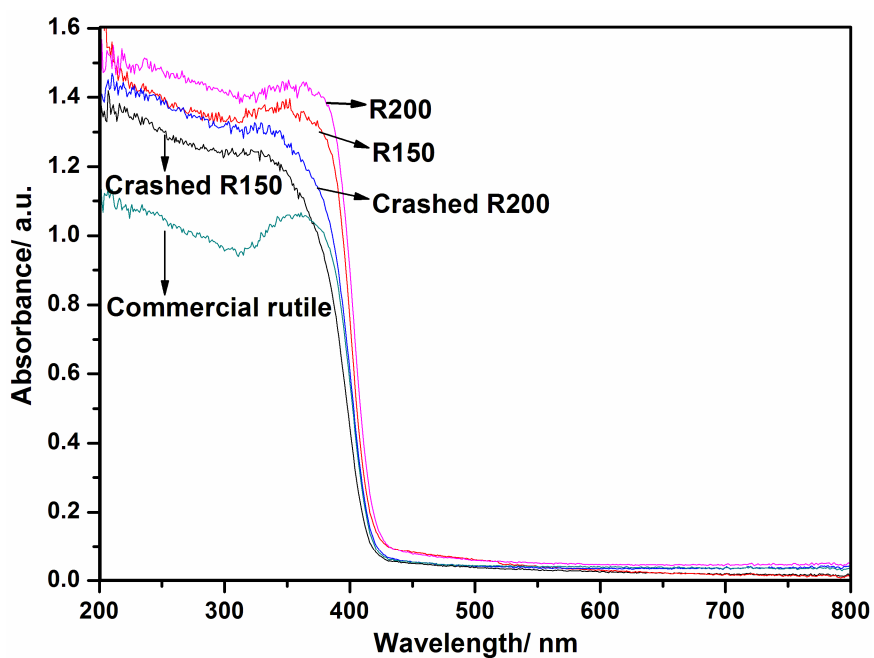


Fig. S3. UV/vis diffuse reflectance spectra of the prepared samples, corresponding crashed ones and commercial rutile.

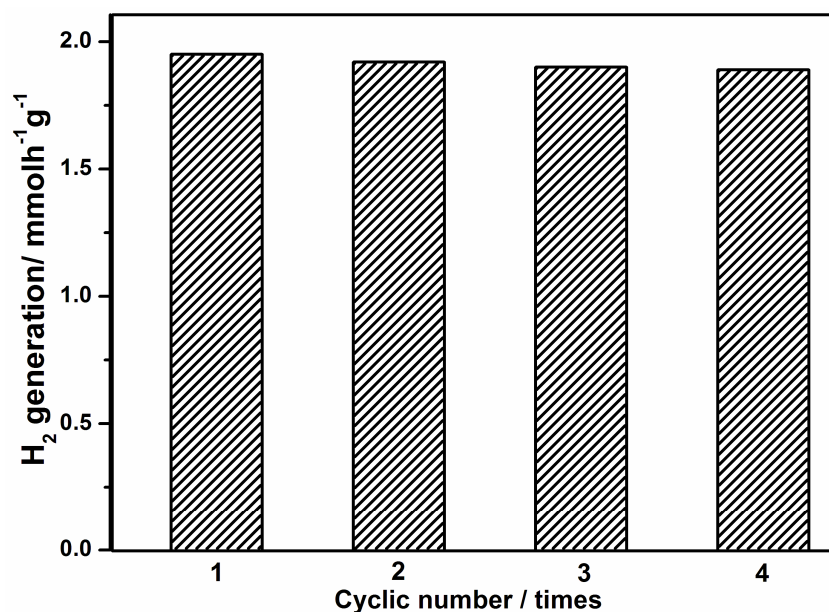


Fig. S4. Hydrogen evolution rate of R200 in the cyclic test.

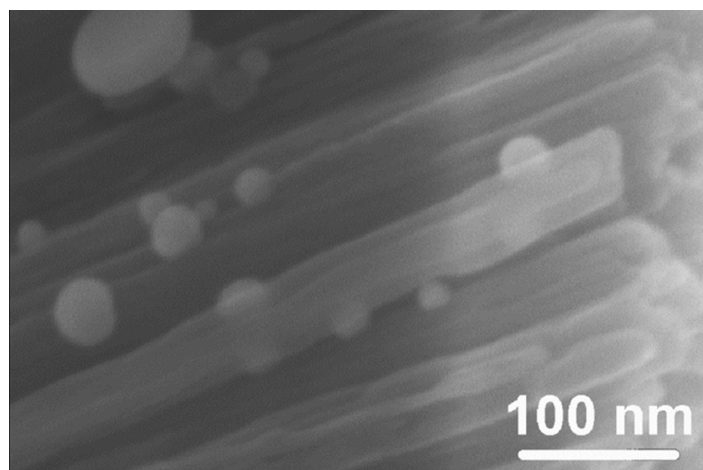


Fig. S5. SEM image of Ag-loaded microspheres prepared at 200 °C.