

Supporting Information

Synthesis of tailored SrTiO₃-TiO₂ microspherical photocatalyst and its photogenerated charges properties

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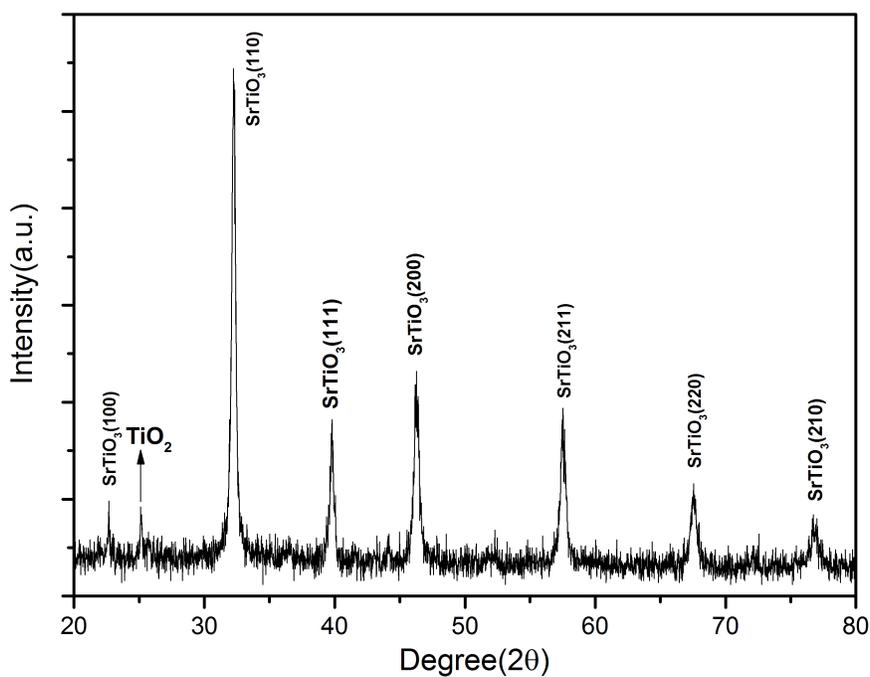


Fig. S1 XRD patterns of SrTiO₃-TiO₂ nanowires.

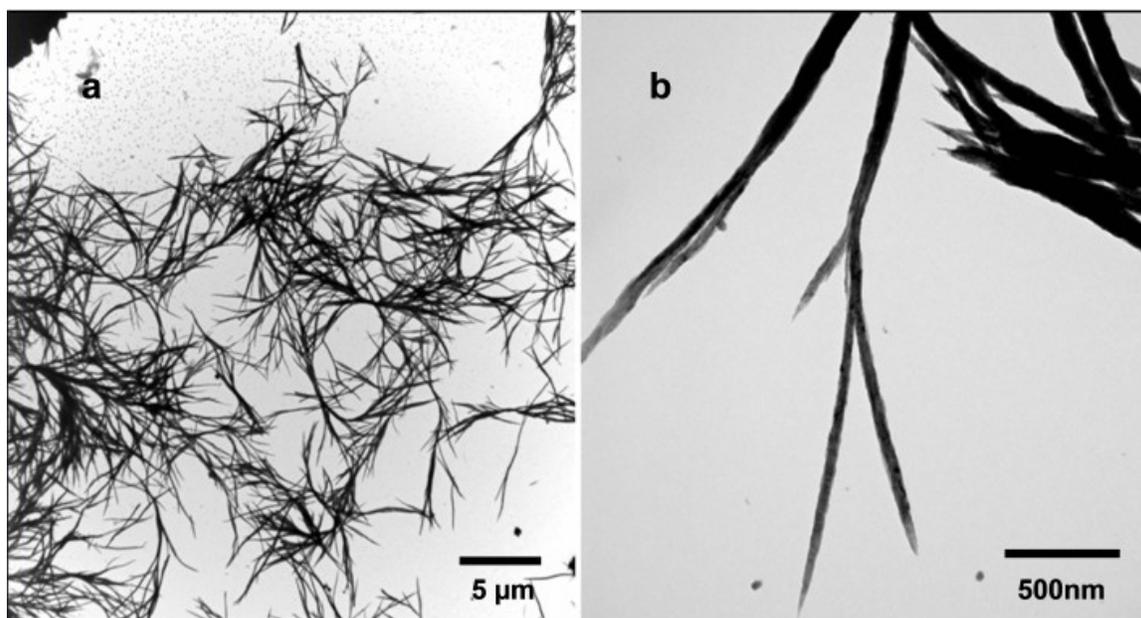


Fig. S2 The TEM images of SrTiO₃-TiO₂ nanoliner(a), image(b) is the local amplification image of (a).

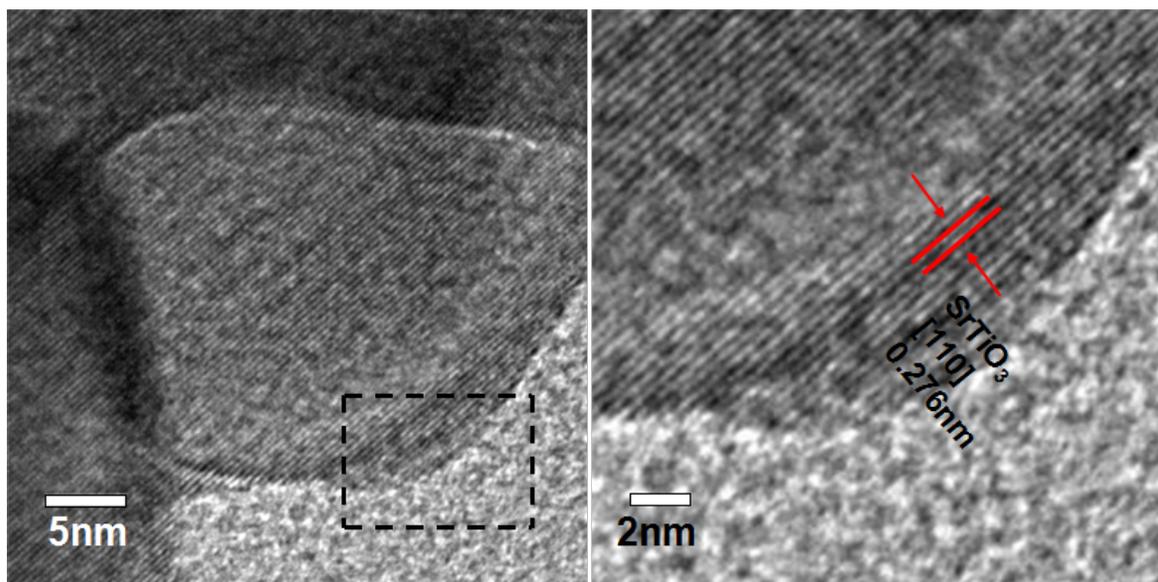


Fig. S3 HRTEM of the crystalline SrTiO₃ on the microsphere surface.

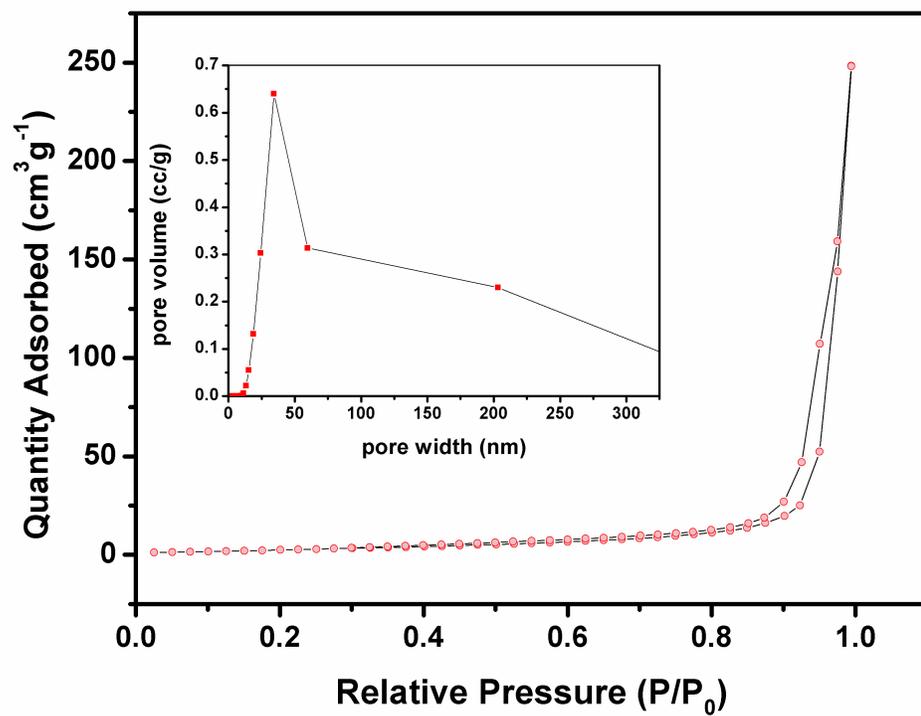


Fig. S4 Nitrogen adsorption–desorption isotherms and pore-size distribution (inset) of the SrTiO₃-TiO₂ microspheres with 12 h hydrothermal reaction