

**Synthesis of 1D-Anisotropic Particles Consisting of TiO₂ Nanorod and
SnO₂ with Heteroepitaxial Junction and the Self-Assembling to
3D-Microsphere**

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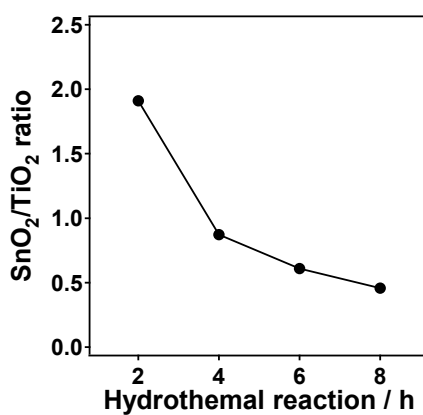


Figure S1. Plots of the ratio of the diffraction peak intensity of SnO₂(110) to that of TiO₂(110) versus hydrothermal reaction time

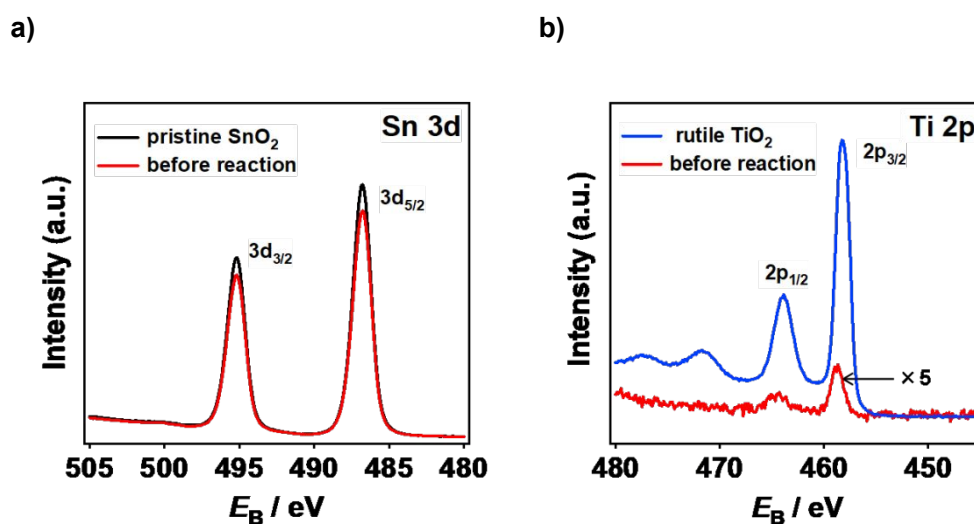
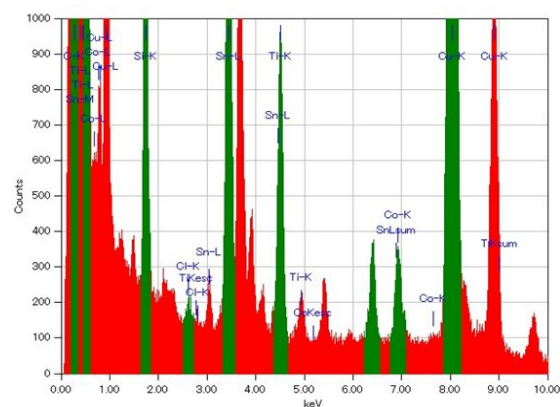
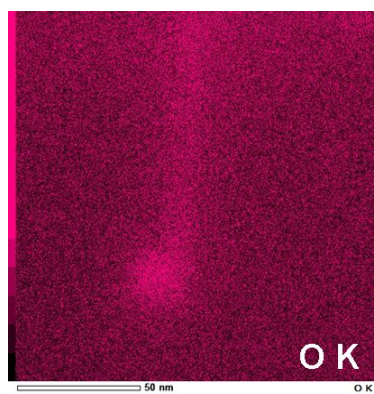


Figure S2. (a) Sn3d-XPS spectra for the sample before the hydrothermal reaction, and pristine SnO₂ for comparison. (b) Ti2p-XPS spectra for the sample before the

a)



b)



c)

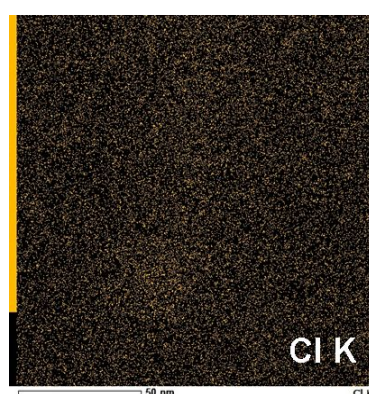


Figure S3. ED spectrum (a) and the elemental mapping for a particle prepared by the

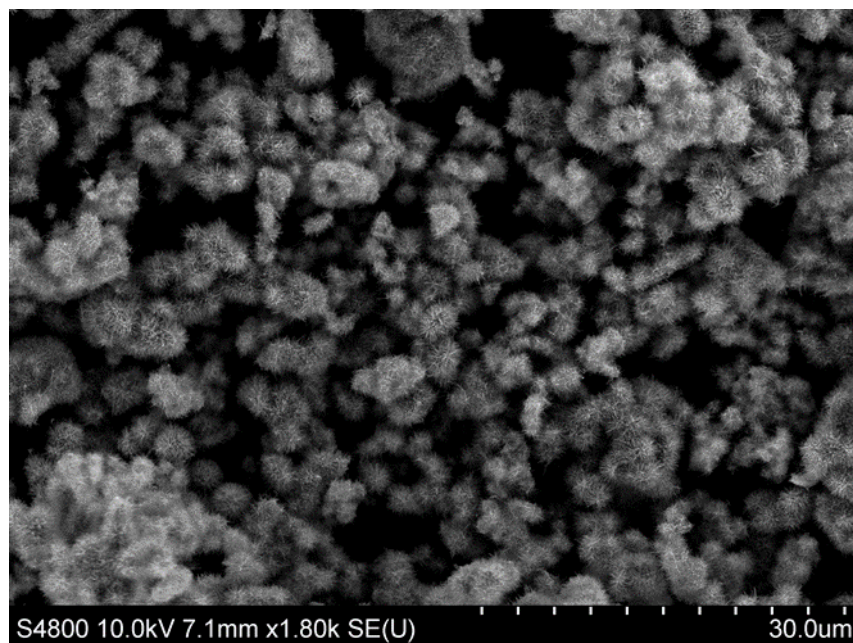


Figure S4. SEM image for the sample prepared at $t_{\text{HT}} = 8$ h.

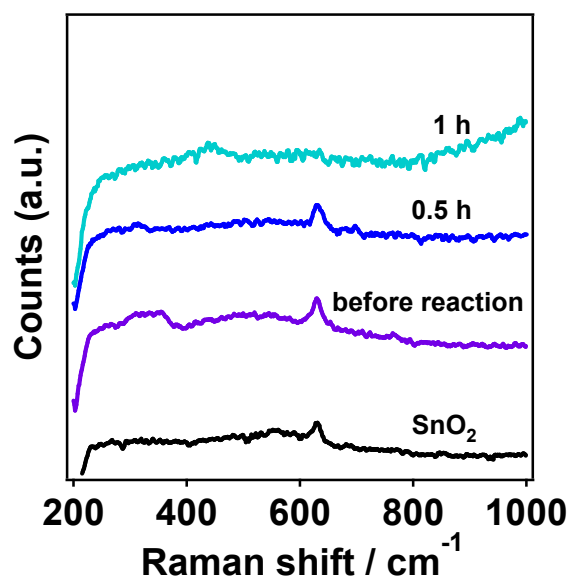


Figure S5. Raman spectra for unmodified SnO_2 and $\text{TiO}_2\text{-NR}\#\text{SnO}_2$ prepared at $t_{\text{HT}} \leq 1$ h.