

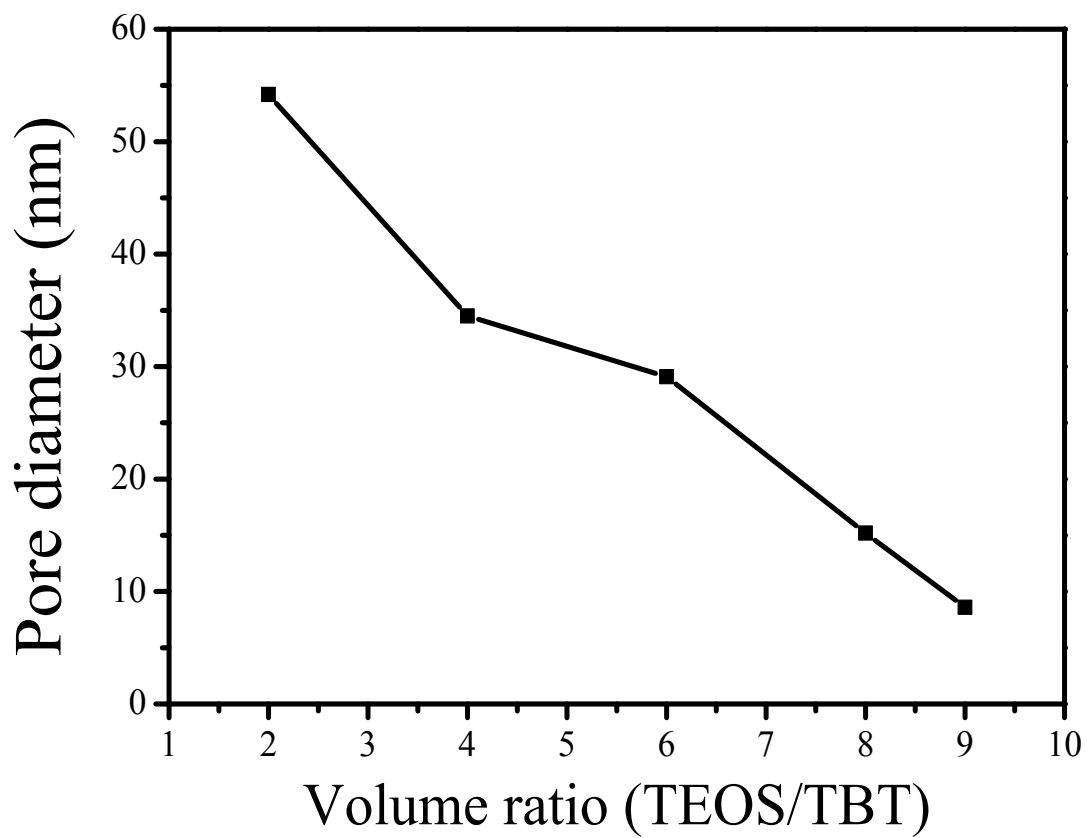
## **Supplementary Material**

# **New Insights Into the High Temperature Hydrothermal Synthesis in the Preparation of Visible-Light Active, Ordered Mesoporous SiO<sub>2</sub>-TiO<sub>2</sub> Compositing Photocatalysts**

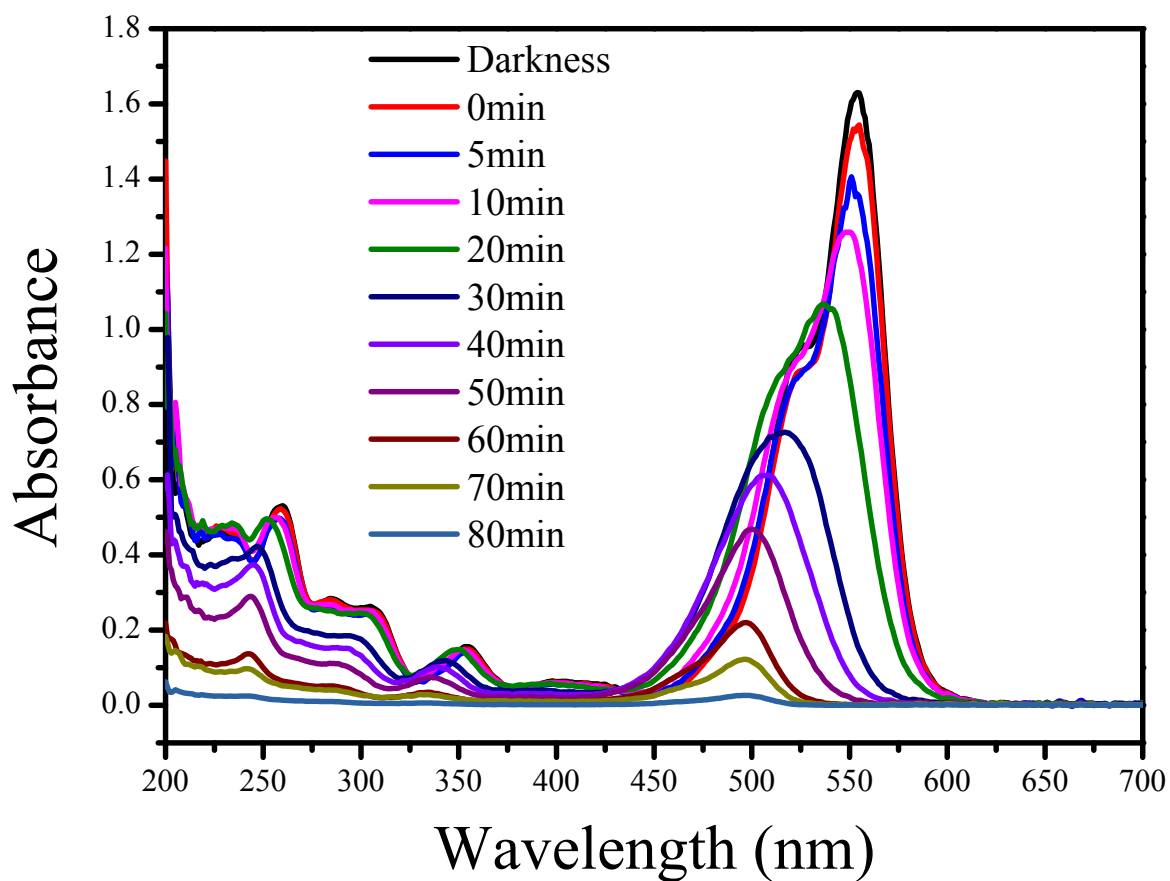
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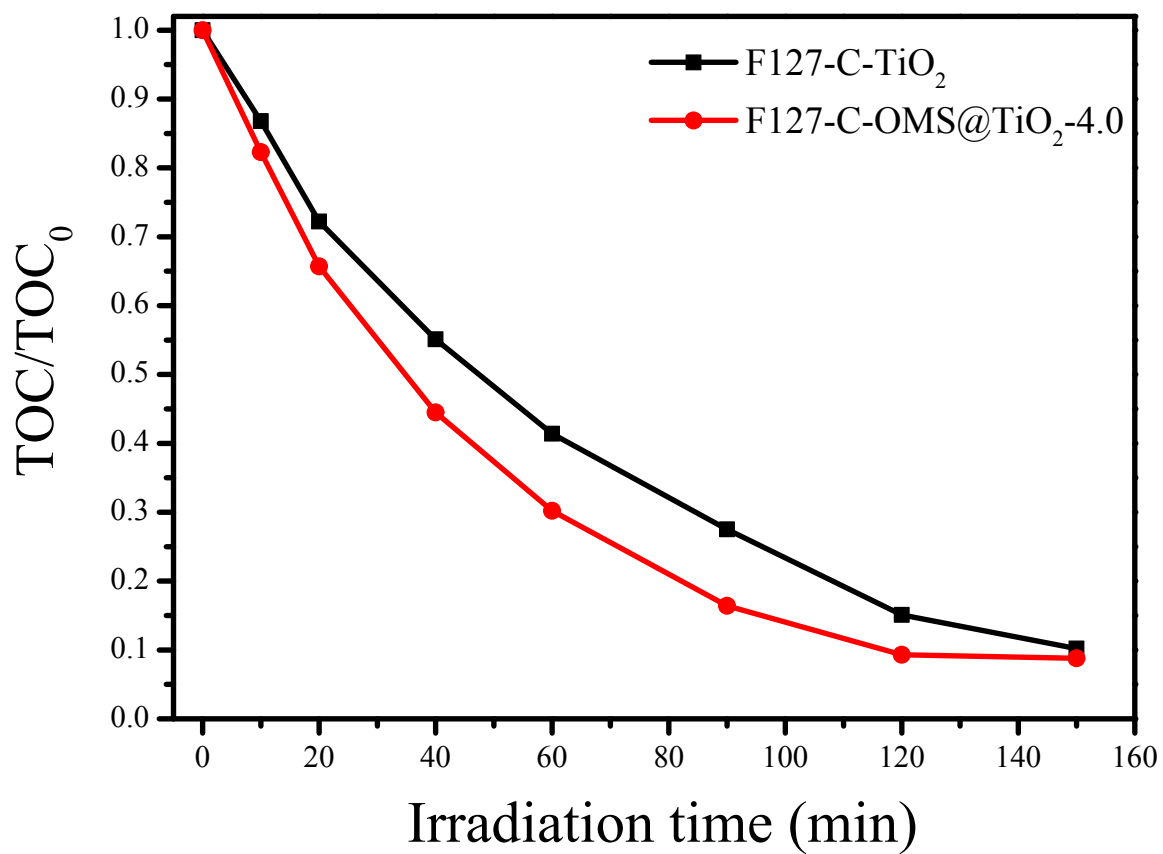
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**Figure S1** Relationship of mesopore sizes and volume ratio of TEOS/TBT in F127-C-OMS@TiO<sub>2</sub>-xs.



**Figure S2** UV-vis adsorption spectra of 100ppm of RhB with irradiation time over F127-C-OMS@TiO<sub>2</sub>-4.0.



**Figure S3** Kinetics of disappearance of total organic carbon (TOC) by photocatalytic degradation over F127-C-OMS@TiO<sub>2</sub>-4.0 and F127-C-TiO<sub>2</sub>.