

## SUPPORTING INFORMATION

### **Generation of oxygen vacancies in visible light activated one-dimensional iodine TiO<sub>2</sub> photocatalysts**

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### Figure Captions

Figure S1 X-ray diffraction spectra of as prepared (a) 2-I/TiO<sub>2</sub>-150 and (b) 2-I/TiO<sub>2</sub>-250.

Figure S2 Raman spectra of as prepared (a) 2-I/TiO<sub>2</sub>-150 and (b) 2-I/TiO<sub>2</sub>-250.

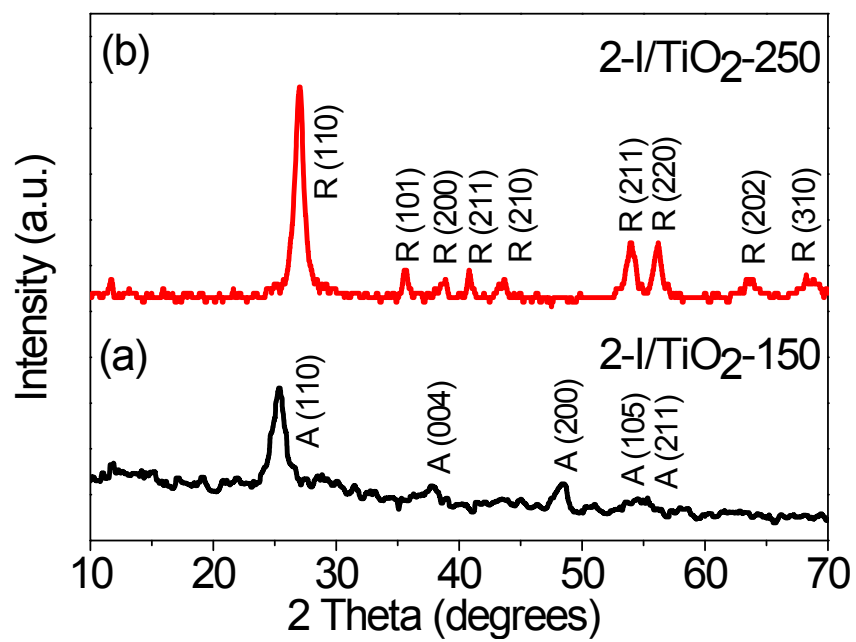


Figure S1

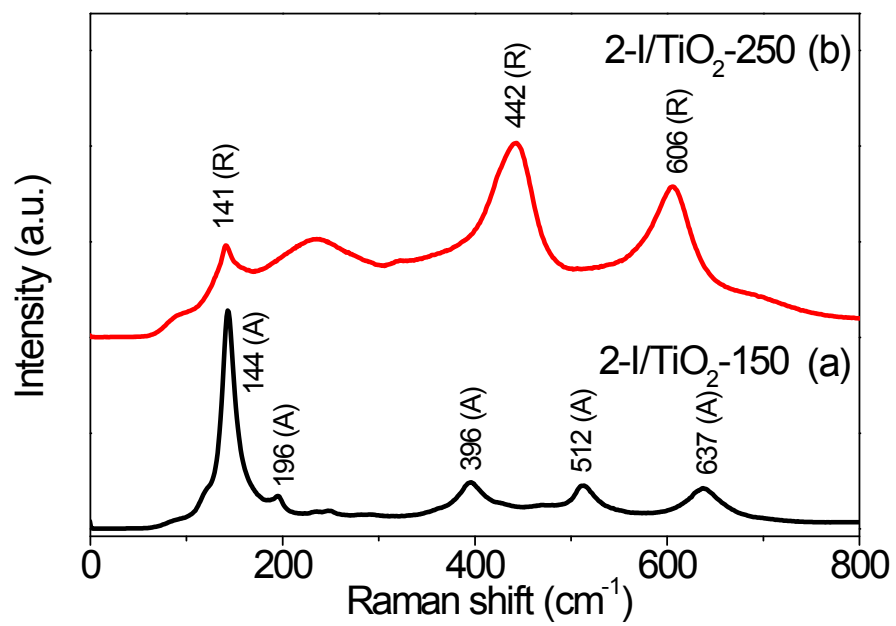


Figure S2