

## Supporting Information

### **TiO<sub>2</sub>/Bi<sub>2</sub>S<sub>3</sub> core/shell nanowire arrays for photoelectrochemical hydrogen generation**

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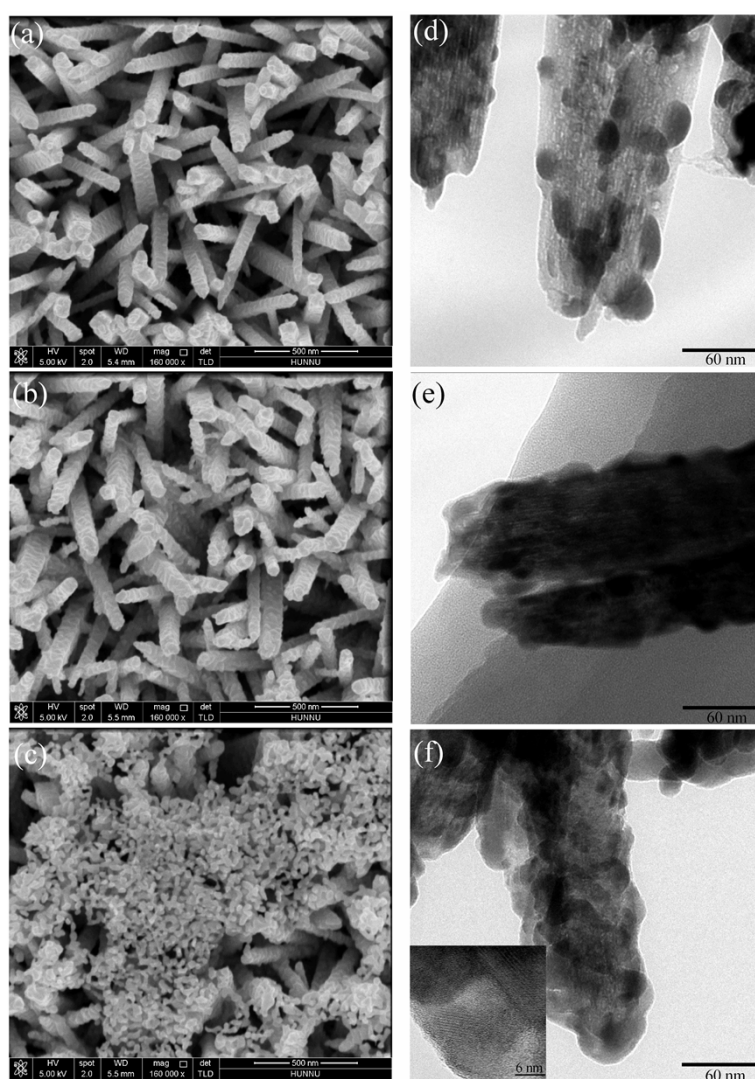


Fig. S1 SEM (a-c) and TEM (d-f) images of the TiO<sub>2</sub> and TiO<sub>2</sub>/Bi<sub>2</sub>S<sub>3</sub> with different SILAR circles deposition: (a, d) TiO<sub>2</sub>/Bi<sub>2</sub>S<sub>3</sub>(10), (b, e) TiO<sub>2</sub>/Bi<sub>2</sub>S<sub>3</sub>(20), (c, f) TiO<sub>2</sub>/Bi<sub>2</sub>S<sub>3</sub>(30), (d) TiO<sub>2</sub>/Bi<sub>2</sub>S<sub>3</sub>(30).