

## Supporting Information

### Synthesis of single-crystalline, porous TaON microspheres toward visible-light photocatalytic conversion of CO<sub>2</sub> into liquid hydrocarbon fuels

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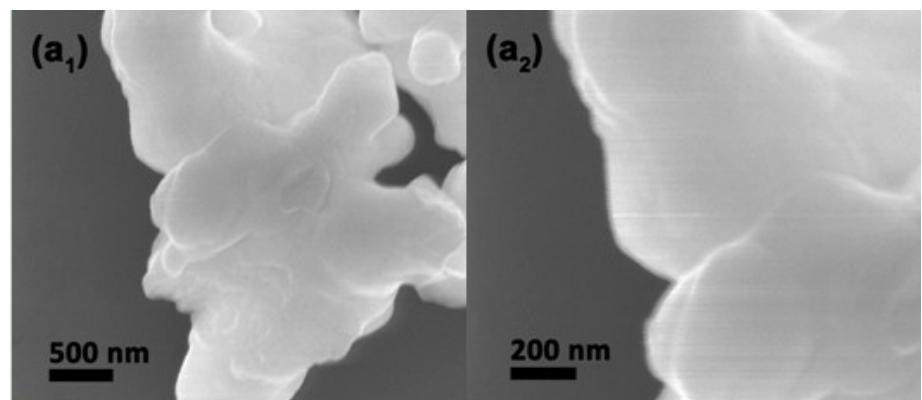
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**Figure S1.** Different magnification FE-SEM images of the commercial Ta<sub>2</sub>O<sub>5</sub>.