

## Supporting Information

### Evaluation of Photocatalytic Activity in Water Pollutants and cytotoxic Response of $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> Nanoparticles

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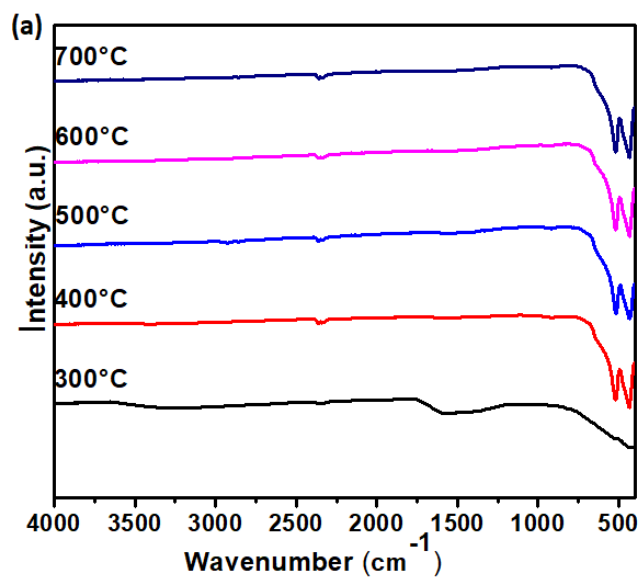


Figure S1. FTIR measurements of the  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> samples with the addition of ammonia in the synthesis.

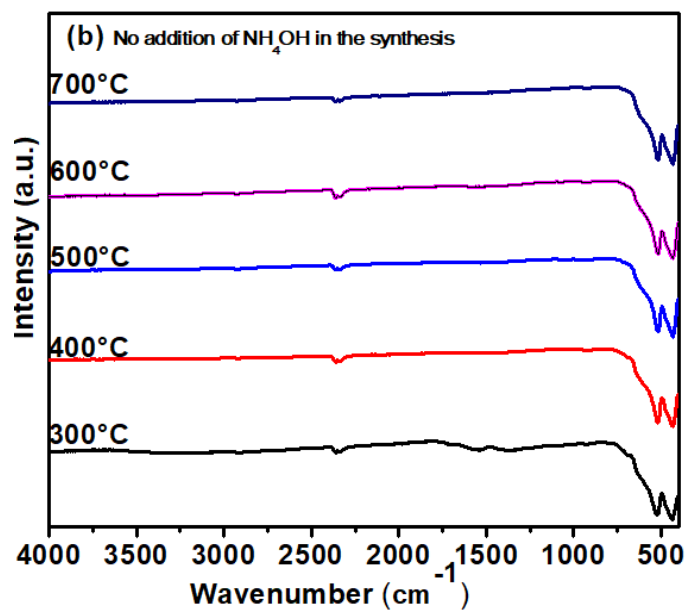


Figure S2. FTIR measurements of the  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> samples without the addition of ammonia in the synthesis.