

Article*

Synthesis and Characterization of TiO₂ Nanoparticles for the Reduction of Water Pollutants

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Supplementary Materials

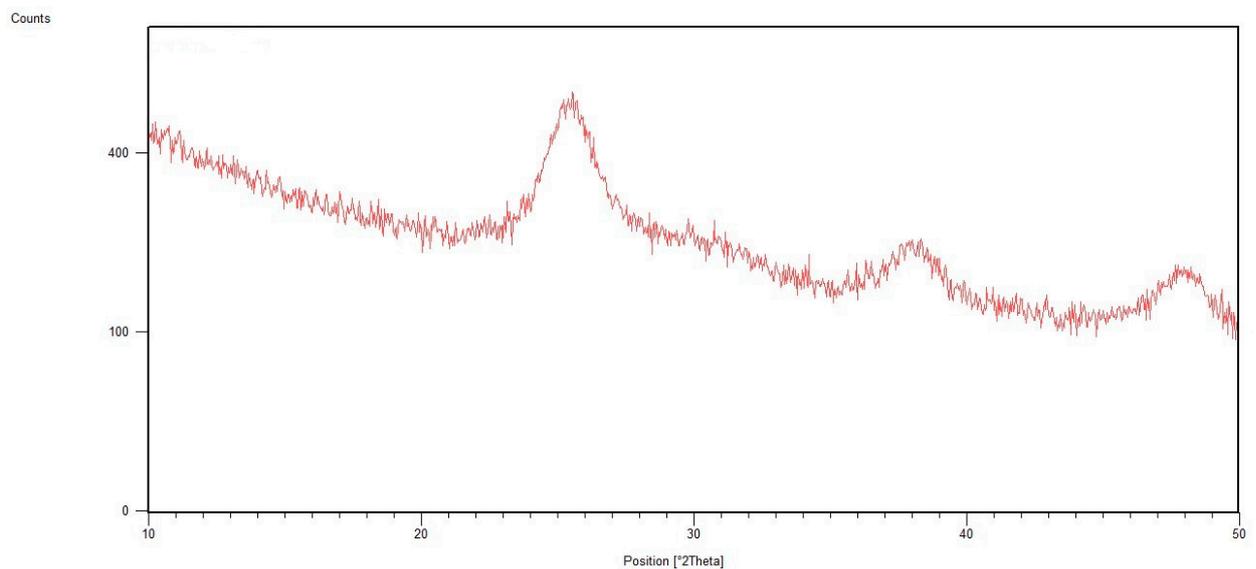


Figure S1. XRPD pattern of sample of Synthesis 1.

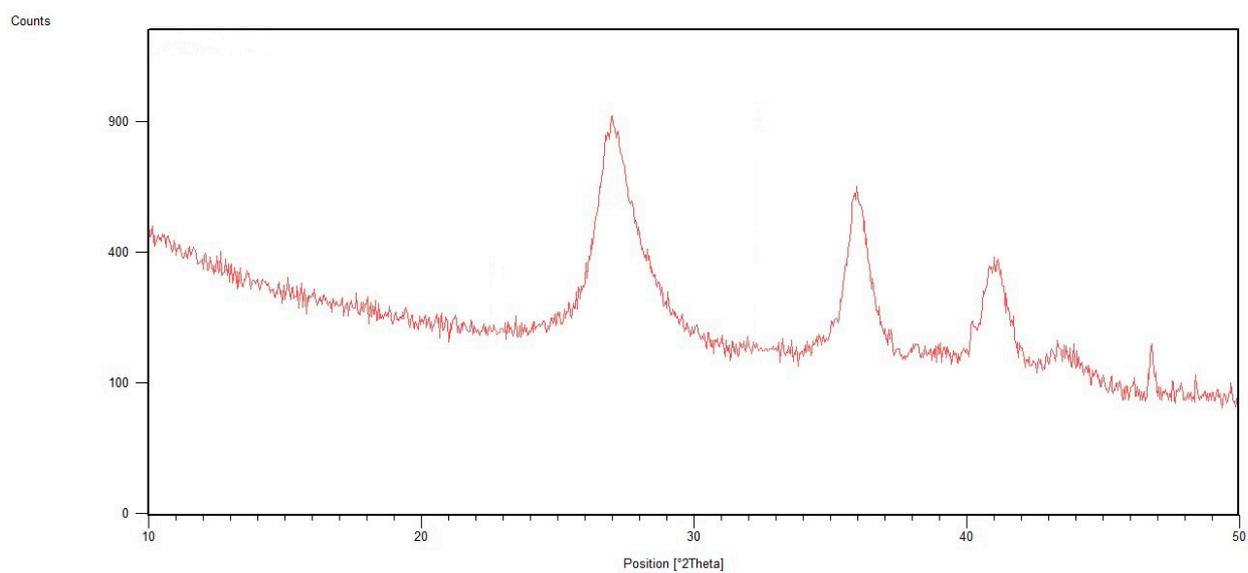


Figure S2. XRPD pattern of sample of Synthesis 2.

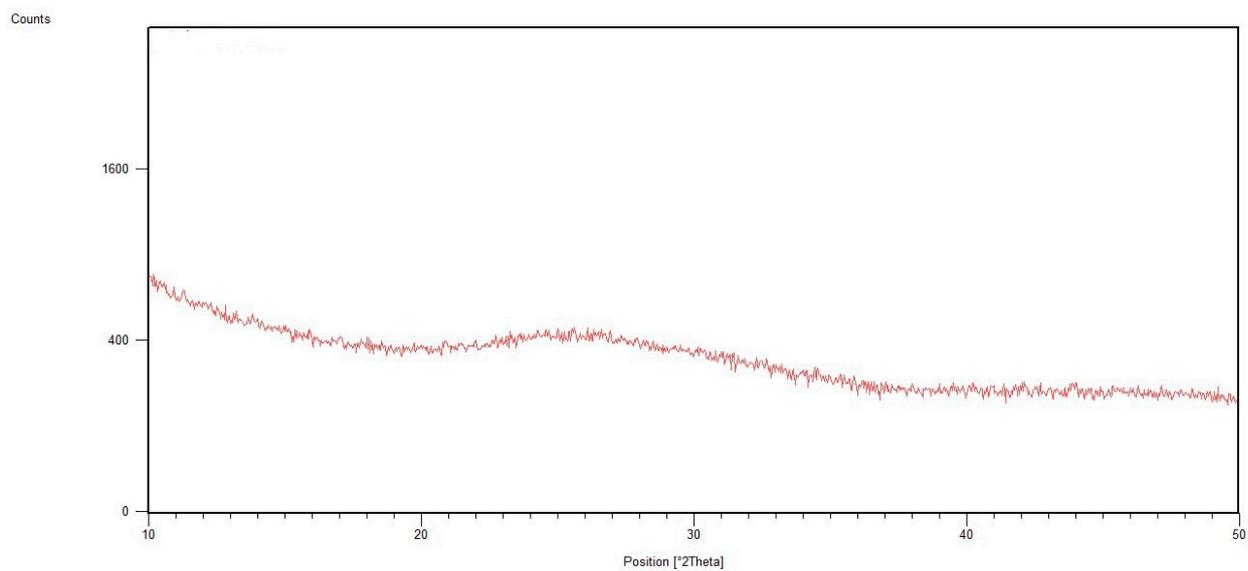


Figure S3. XRPD pattern of sample of Synthesis 3.

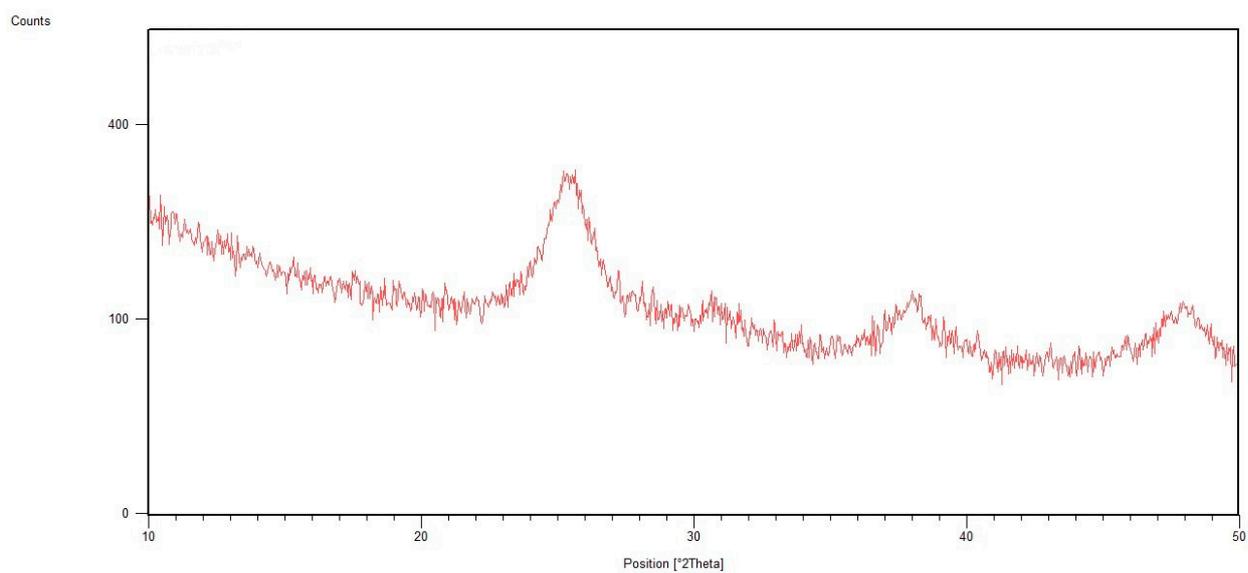


Figure S4. XRPD pattern of sample with molar ratio $C_{12}H_{28}O_4Ti:CO(NH_2)_2:NH_4Cl$ 10:1: 0, 50 °C.

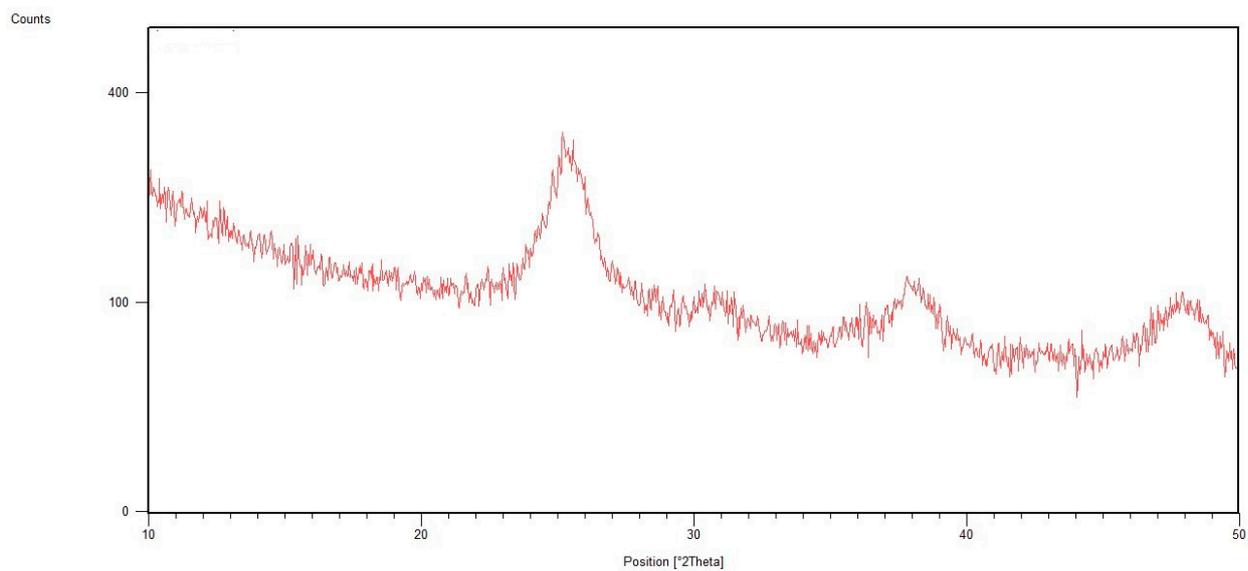


Figure S5. XRPD pattern of sample with molar ratio $C_{12}H_{28}O_4Ti:CO(NH_2)_2:NH_4Cl$ 2:1: 0, 50 °C.

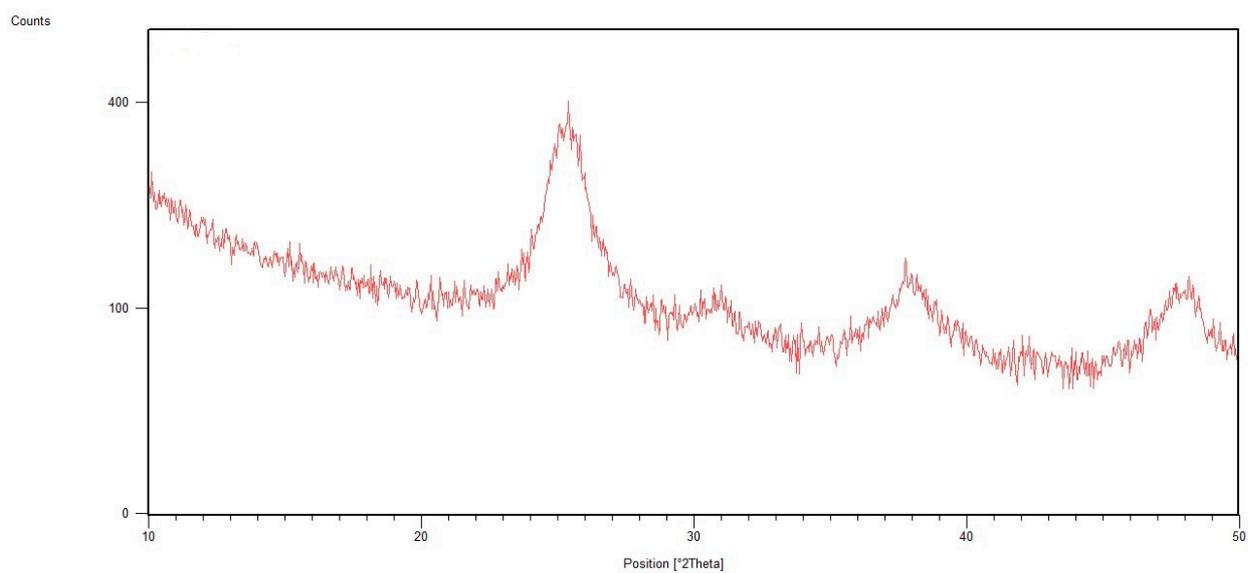


Figure S6. XRPD pattern of sample with molar ratio $C_{12}H_{28}O_4Ti:CO(NH_2)_2:NH_4Cl$ 10:1: 0, r.t.

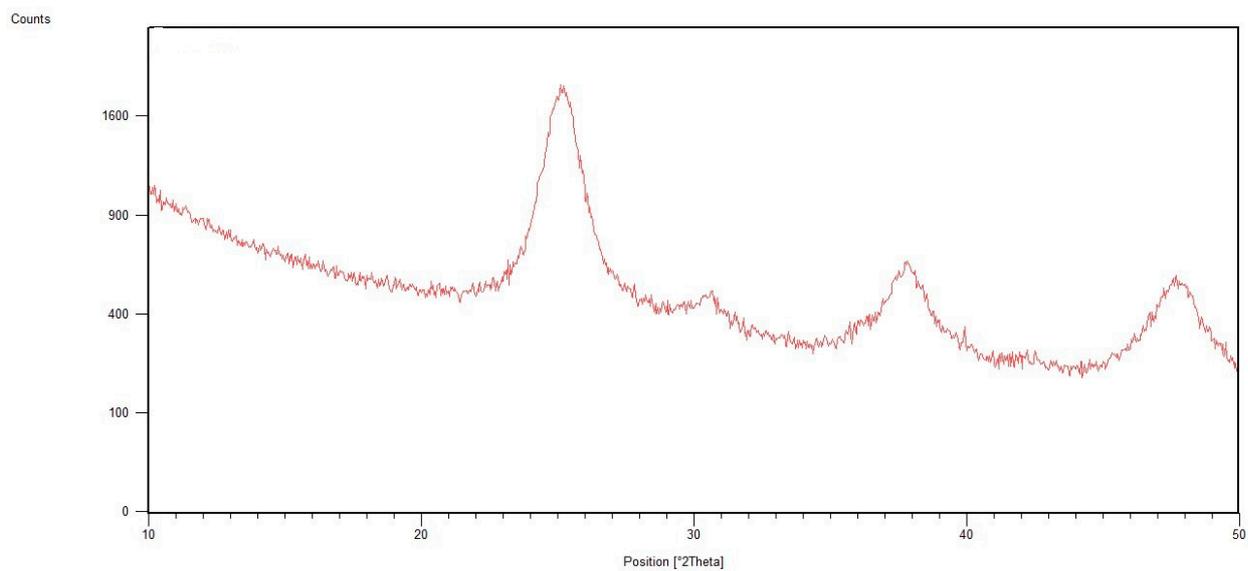


Figure S7. XRPD pattern of sample with molar ratio $C_{12}H_{28}O_4Ti:CO(NH_2)_2:NH_4Cl$ 2:1: 0, r.t.

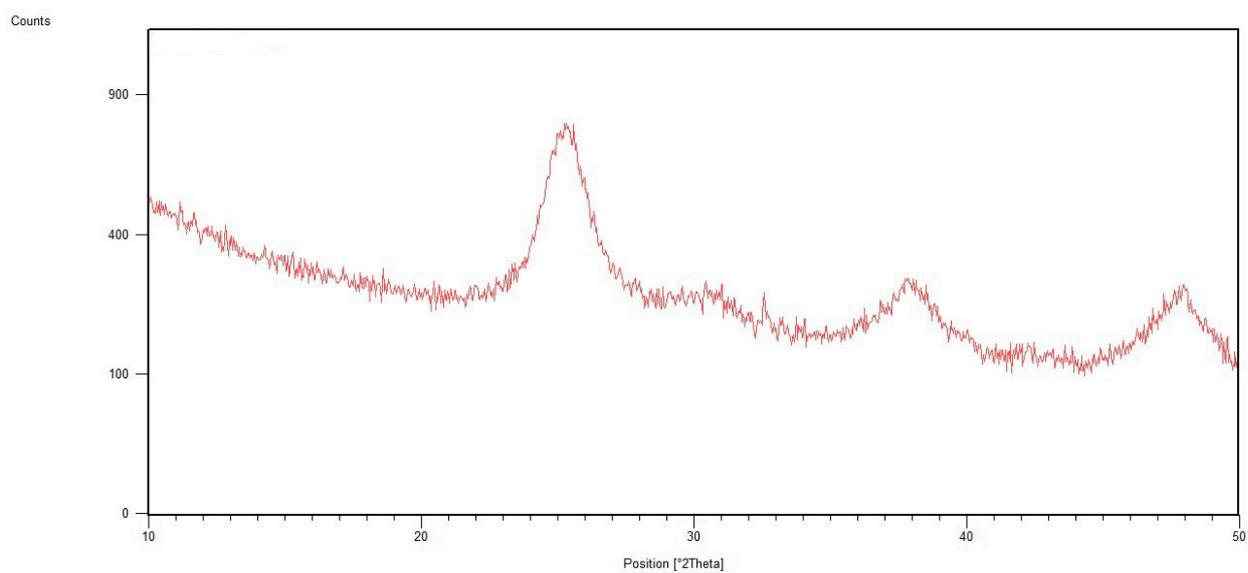


Figure S8. XRPD pattern of sample with molar ratio $C_{12}H_{28}O_4Ti:CO(NH_2)_2:NH_4Cl$ 10:1: 0.52, 50 °C.

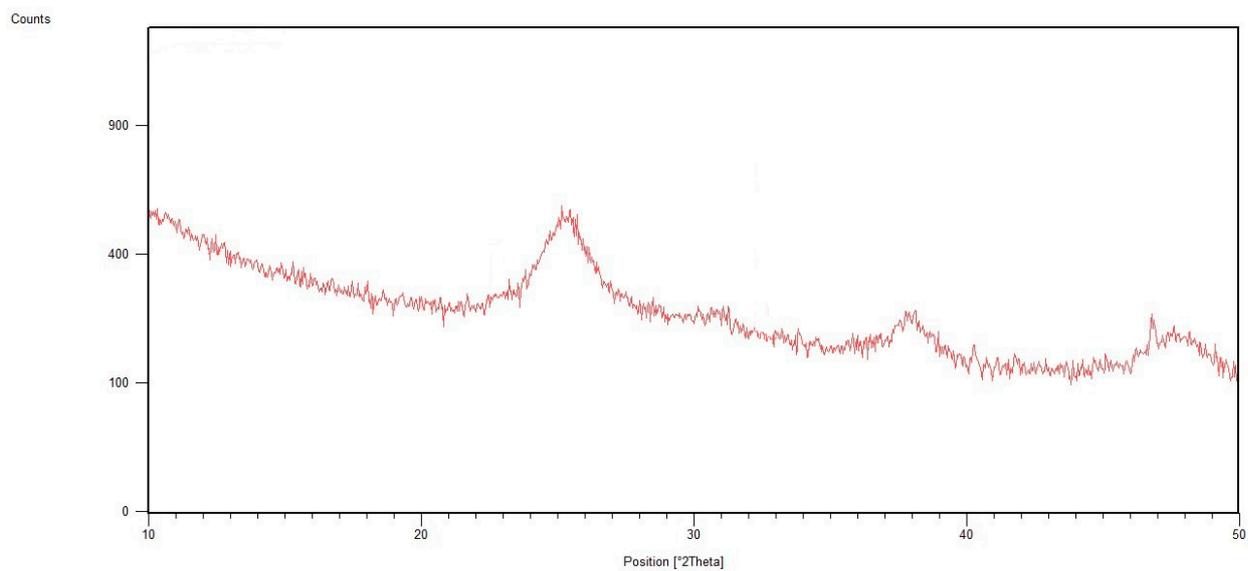


Figure S9. XRPD pattern of sample with molar ratio $C_{12}H_{28}O_4Ti:CO(NH_2)_2:NH_4Cl$ 2:1: 0.52, 50 °C.



Figure S10. Ceramic tiles with molar ratio $C_{12}H_{28}O_4Ti:CO(NH_2)_2$ 10:1 (left part of image) and 2:1 (right part of image), 50 °C, before (a) and after (b) ½ hour of sunlight exposure.

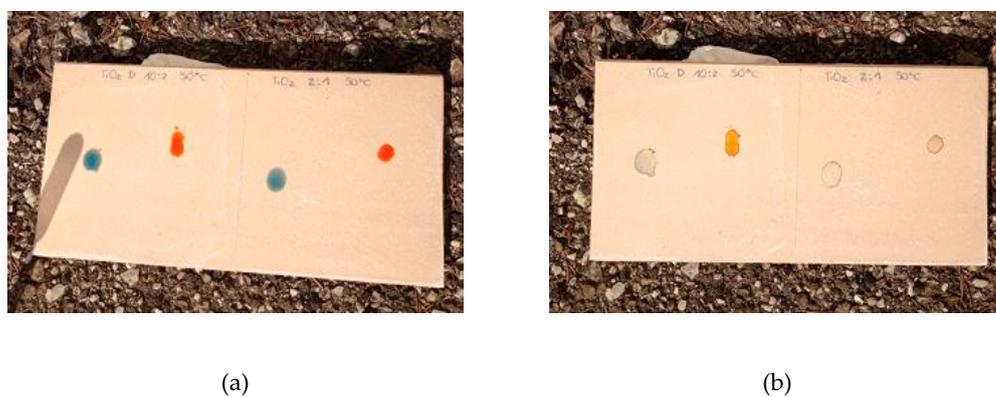


Figure S11. Ceramic tiles with molar ratio $C_{12}H_{28}O_4Ti:CO(NH_2)_2:NH_4Cl$ 10:1:0.52 (left part of image) and 2:1:0.52 (right part of image), 50 °C, before (a) and after (b) ½ hour of sunlight exposure.

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