

Fig. S1. Structure of OTC.

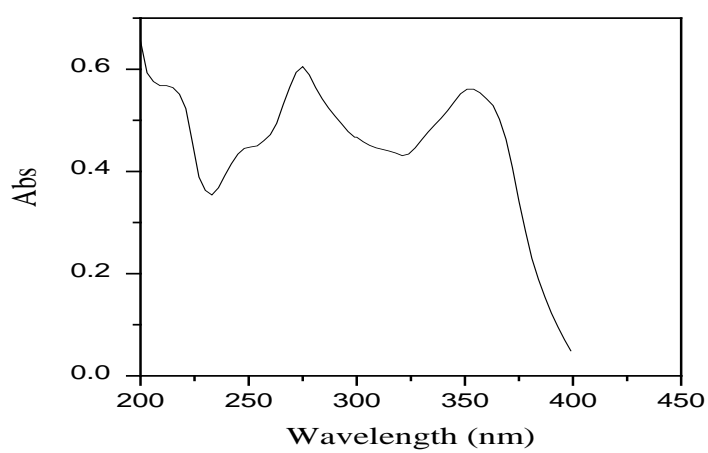


Fig. S2. UV absorption spectra of OTC.

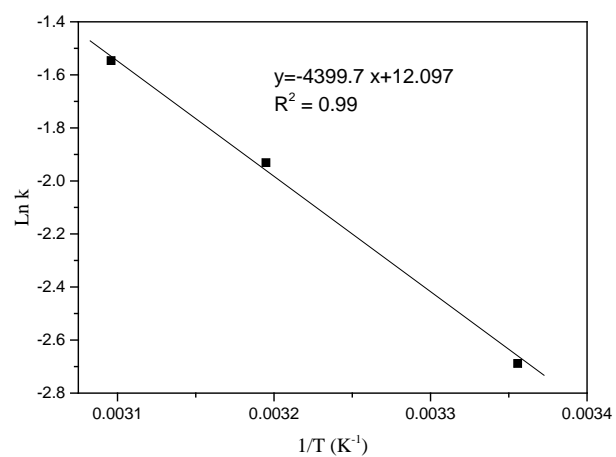


Fig. S3. Arrhenius plot of Fenton oxidation rate constants for OTC with $[\text{OTC}]_0 = 20 \text{ mg/L}$, $[\text{H}_2\text{O}_2]_0 = 150 \text{ mg/L}$, $[\text{Fe}^{2+}]_0 = 5 \text{ mg/L}$, $\text{pH} = 3$.

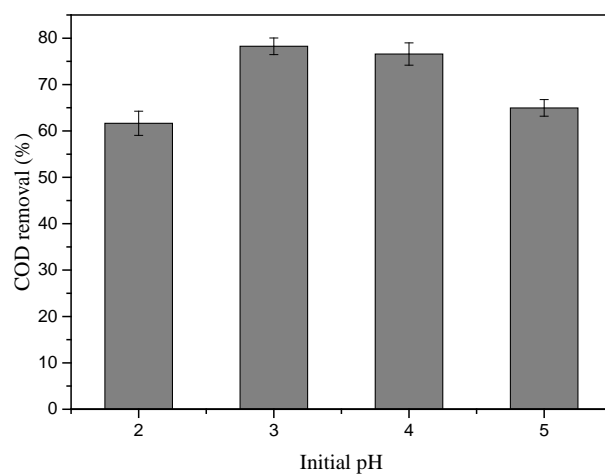


Fig. S4. COD removal versus initial pH solution, with $[\text{COD}]_0 = 31.70 \text{ mg/L}$, $[\text{H}_2\text{O}_2]_0 = 150 \text{ mg/L}$, $[\text{Fe}^{2+}]_0 = 5 \text{ mg/L}$, $T = 25^\circ\text{C}$.