Supplementary Material

Synthesis of petal-like δ-MnO₂ and its catalytic ozonation performance

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Fig. S1 The quality of the preparation of samples: (a) δ-MnO₂-C0.1-12, (b) δ-MnO₂-C0.1-18, (c) δ-MnO₂-C0.1-24.
Fig. S2 The higher magnification image of δ-MnO$_2$-C0.1-24: (a) SEM, (b) TEM.

Fig. S3 Ozonation of BPA and IBU without catalyst. Reaction conditions: $[\text{BPA}]_0 = 10$ ppm, $[\text{IBU}]_0 = 10$ ppm, ozone concentration: 4 mg/L, ozone flow rate: 0.2 L/min.

Fig. S4 (a) XRD patterns and (b) SEM image of the commercial MnO$_2$. 