Supplementary Material

Synthesis of petal-like δ-MnO_2 and its catalytic ozonation performance

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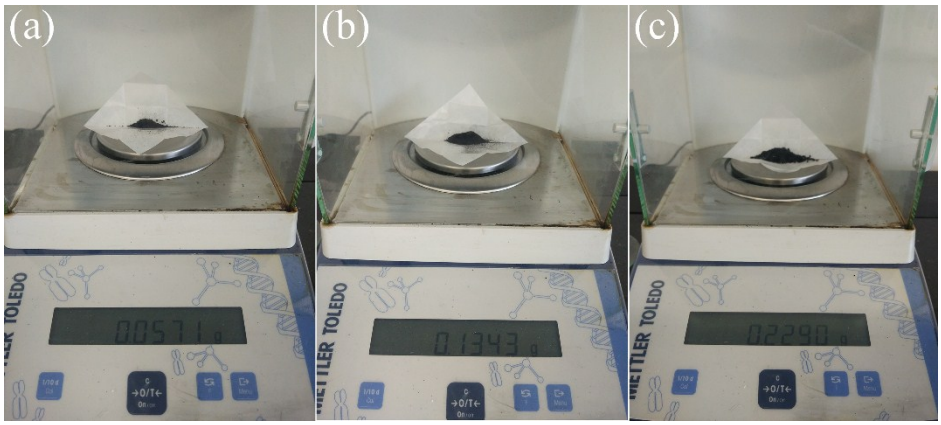

Fig. S1 The quality of the preparation of samples: (a) δ-MnO_2-C0.1-12, (b) δ-MnO_2-C0.1-18, (c) δ-MnO_2-C0.1-24.

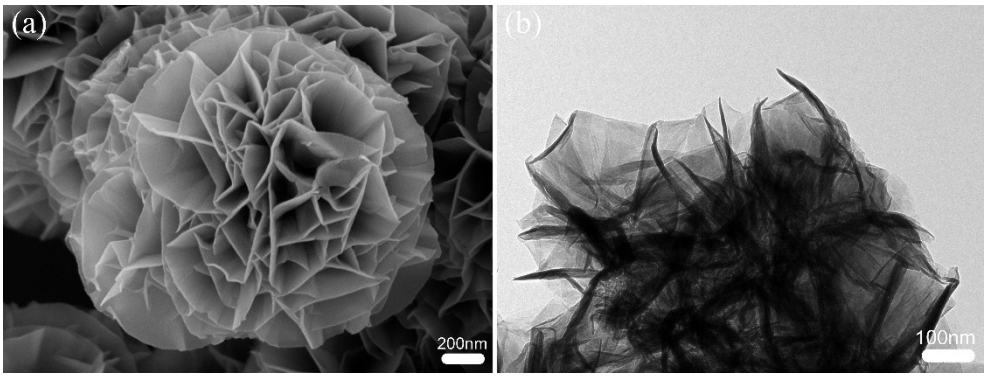

Fig. S2 The higher magnification image of δ-MnO_2-C0.1-24: (a) SEM, (b) TEM.

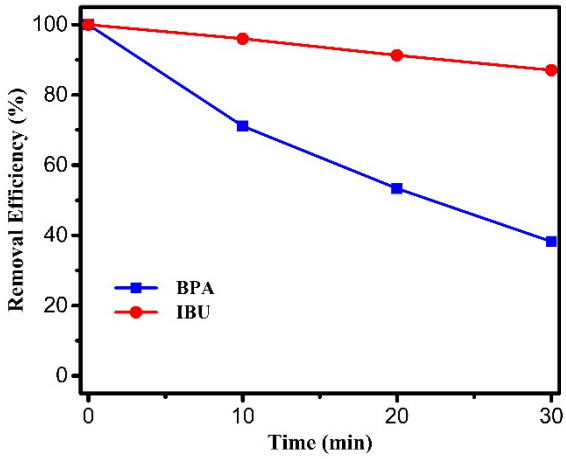

Fig. S3 Ozonation of BPA and IBU without catalyst. Reaction conditions: $[BPA]_0$ = 10 ppm, $[IBU]_0$ = 10 ppm, ozone concentration: 4 mg/L, ozone flow rate: 0.2 L/min.

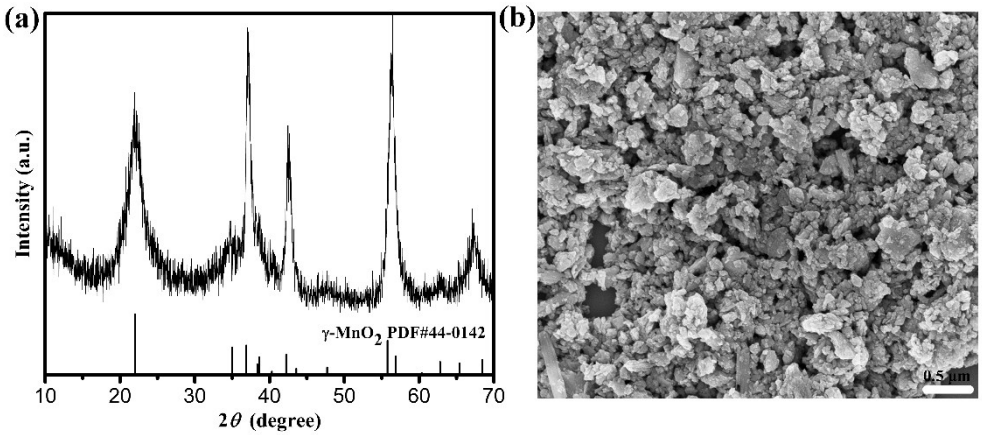

Fig. S4 (a) XRD patterns and (b) SEM image of the commercial MnO_2.