Supplementary Information

Efficient and selective green oxidation of alcohols by MOFderived magnetic nanoparticles as recoverable catalyst

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Fig. S1 TGA curve of the MIL-88B.



Fig. S2 XPS spectra of B-600: (a) survey spectrum of B-600, (b) Fe 2p of B-600.



Fig. S3 Nitrogen absorption/desorption isotherms at 77 K of the as-synthesized MIL-88B.



Fig.S4 TEM images of (a) B-500, (b) B-700, and (c) B-800.



Fig. S5 Powder XRD patterns for (a) B-600, (b) recycled B-600.



Fig. S6 Conversion *vs.* time plot for the oxidation of benzyl alcohol. (**•**) with B-600 catalyst; (•) with filtrate. Reaction conditions: benzyl alcohol (0.5 mmol), B-600 (10 mol% Fe), H₂O (3 mL), H₂O₂ (1.5 mmol), 110 °C, total reaction time: 60 h.