Supporting Information

Fenton-Like Oxidation of 4–Chlorophenol: Homogeneous or Heterogeneous?

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Figure S1. Powder XRD patterns of the calcined and uncalcined CuFe₂O₄ powder measured using a Siemens D500 Kristalloflex Diffractometer. The step size was 0.02°.
Figure S2. Blank test using 0.48 mM 4-CP only showing negligible 4-CP loss due to volatilization at 60°C. The spectra between 0 to 8 h were omitted for clarify.

Figure S3. Blank test using 16 mM H₂O₂ without the presence of FeOₓ/TiO₂ compared to reaction in the presence of FeOₓ/TiO₂ catalyst (16 mM H₂O₂, 1 g L⁻¹ FeOₓ/TiO₂ with 1 wt% Fe calcined at 300°C).
Figure S4. 4-CP degradation using FeO$_x$/TiO$_2$ catalysts. (a) The solid phase catalyst FeO$_x$/TiO$_2$ (1 wt% Fe) and the solution phase catalyst $9.0 \times 10^{-4}$ mM [Fe$_2$(SO$_4$)$_3$]. (b) FeO$_x$/TiO$_2$ (10 wt% Fe) catalyst. (c) FeO$_x$/TiO$_2$ (1 wt% Fe) catalyst in a solution buffered at pH 7.4. All initial reactant solutions contained 16 mM H$_2$O$_2$ and 0.48 mM 4-CP.
Figure S5. The glass reactor system.