Supplementary Information (SI)

MIL-88A(Fe) rod-like metal-organic framework decorated with tungstophosphate polyoxoanions and nickel ferrite nanoparticles for the removal of antibiotics from water

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Fig. 1S. (a) EDX spectrum and (b) representative SEM photographs of the POT/NiFe$_2$O$_4$/MIL-88A(Fe) with corresponding EDX elemental mappings.
Fig. 2S. UV-Vis spectral for 0.4 g L\(^{-1}\) POT/NiFe\(_2\)O\(_4\)/MIL-88A(Fe) at different time intervals: (a) TC and (b) CIP
Fig. 3S. Adsorption kinetics of (a) CIP and TC, (b) linear fitting of adsorption kinetic CIP with pseudo-second-order kinetic model fit, and (c) linear fitting of adsorption kinetic TC with pseudo-second-order kinetic model fit
Fig. 4S. Adsorption isotherms of (a) CIP and TC, (b) linear fitting of Adsorption isotherm CIP with Freundlich isotherm model fit, and (c) linear fitting of Adsorption isotherm TC with Freundlich isotherm model fit.
Fig. 5S. Adsorption thermodynamic of (a) CIP, (c) TC, and (b), (c) linear fitting of adsorption thermodynamic CIP, and TC
Fig. 6S. (a) Reusability of the POT/ NiFe$_2$O$_4$/MIL-88A(Fe) nanocomposite in the removal of TC and CIP antibiotics, (b) SEM image, (c) FT-IR spectrum and (d) XRD pattern of the fresh and recovered nanocomposite after three runs.