Supplementary Materials: Heterogeneous Fenton-like degradation of *p*-nitrophenol over tailored carbon-based materials

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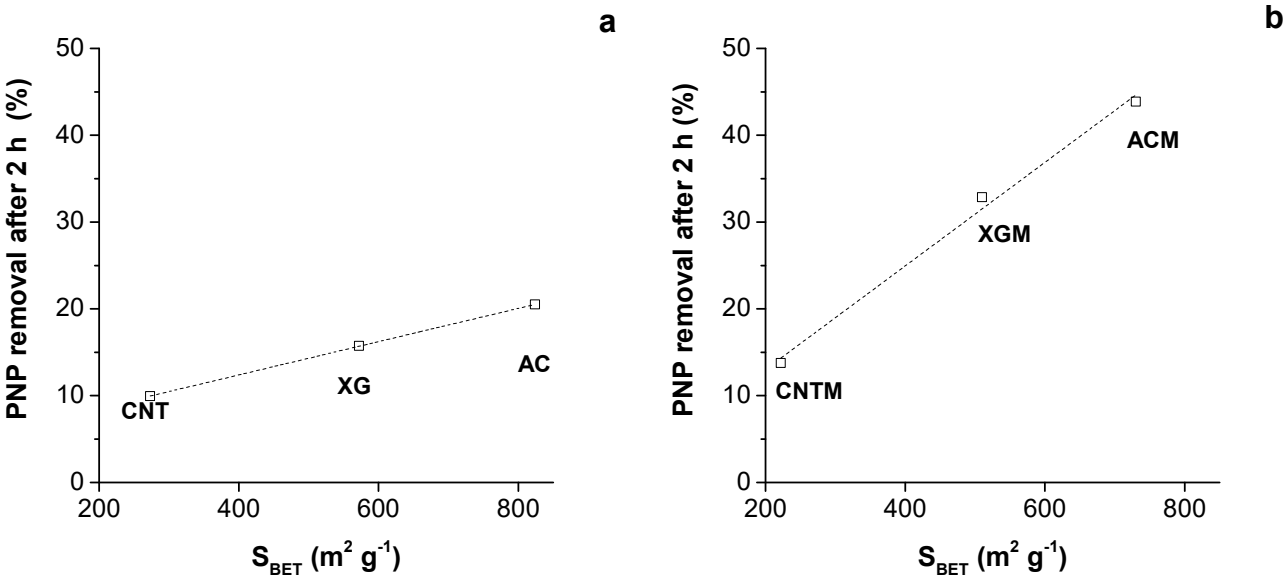

Figure S1. Correlation between specific surface area and the PNP removal after 2 h of adsorption with the carbon supports undoped (**a**) and N-doped with melamine (**b**) (pH= 3.0, T= 30 °C, [support] = 0.25 g L^{-1} and [PNP] = 3.6 mmol L^{-1}).

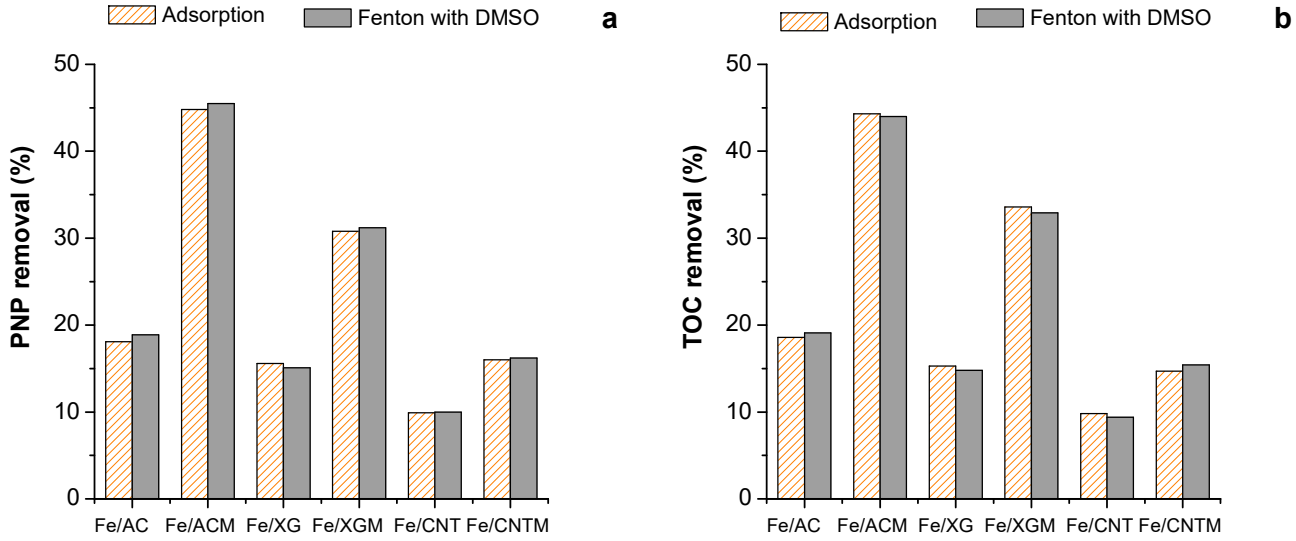

Figure S2. PNP (a) and TOC (b) removal after 2 h of adsorption or Fenton's oxidation in presence of DMSO with the catalysts (pH= 3.0, T= 30 °C, [catalyst] = 0.25 g L^{-1}, $[H_2O_2]_{when\ used}$ = 29 mmol L^{-1}, [PNP] = 3.6 mmol L^{-1} and H_2O_2:PNP molar ratio = 8.1, when H_2O_2 was used).

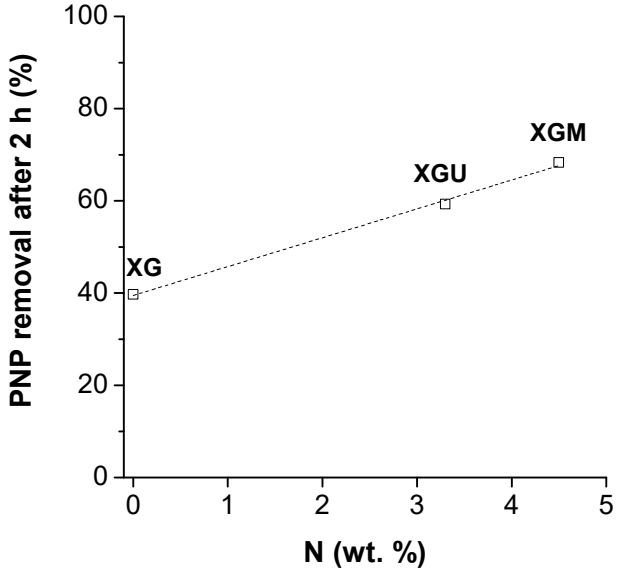

Figure S3. Relationship between PNP removal after 2 h of Fenton reaction and N-amount of N-doped xerogels (pH= 3.0, T= 30 °C, [support] = 0.25 g L^{-1}, [H_2O_2] = 29 mmol L^{-1}, [PNP] = 3.6 mmol L^{-1} and H_2O_2:PNP molar ratio = 8.1).