

Supporting Information

Ultra-Fast Removal of Phosphate from Eutrophic Waters using Cerium-based Metal-Organic Framework

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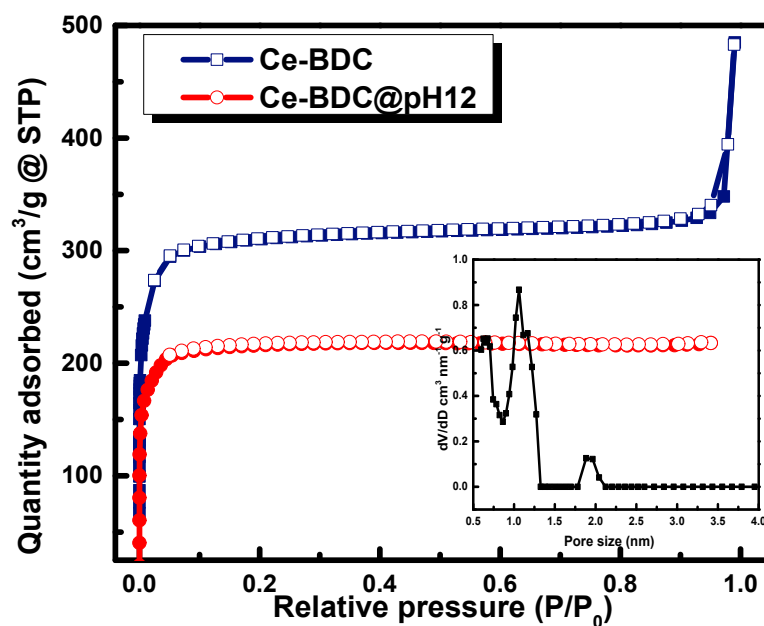


Figure S1. N₂ gas sorption isotherms measured at 77 K for Ce-BDC and Ce-BDC soaked in aqueous solution at pH 12. Insert shows the pore size distribution histograms. Filled and hollow symbols are for adsorption and desorption, respectively.

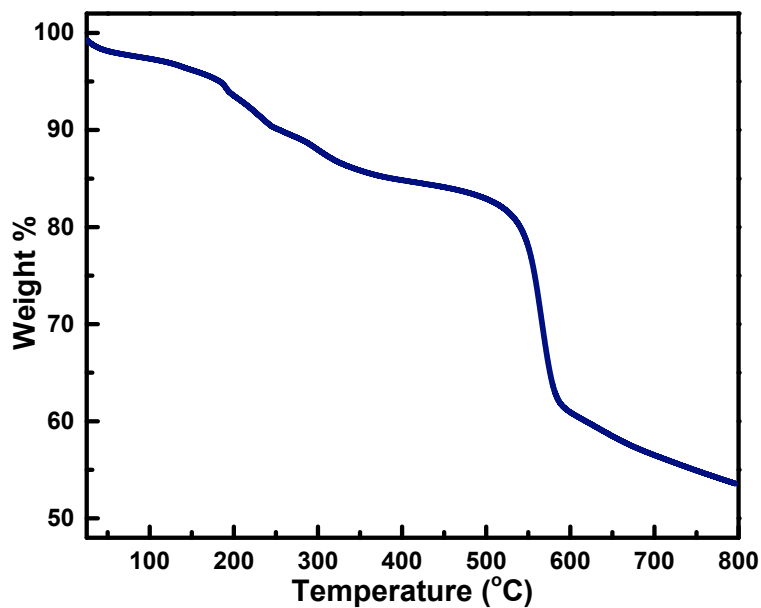


Figure S2. TGA curve of Ce-BDC.

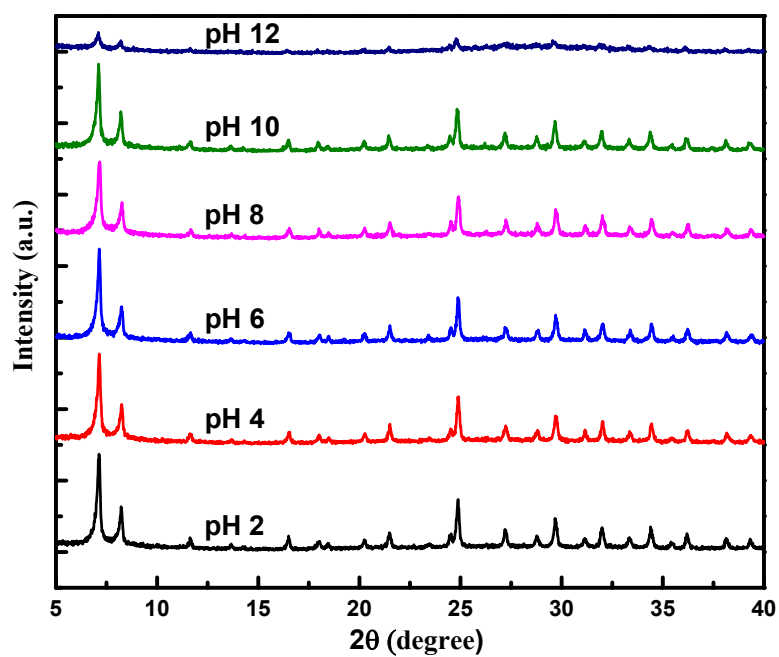


Figure S3. XRD patterns of Ce-BDC soaked in aqueous solutions with pH values of 2 to 12 for 2h.

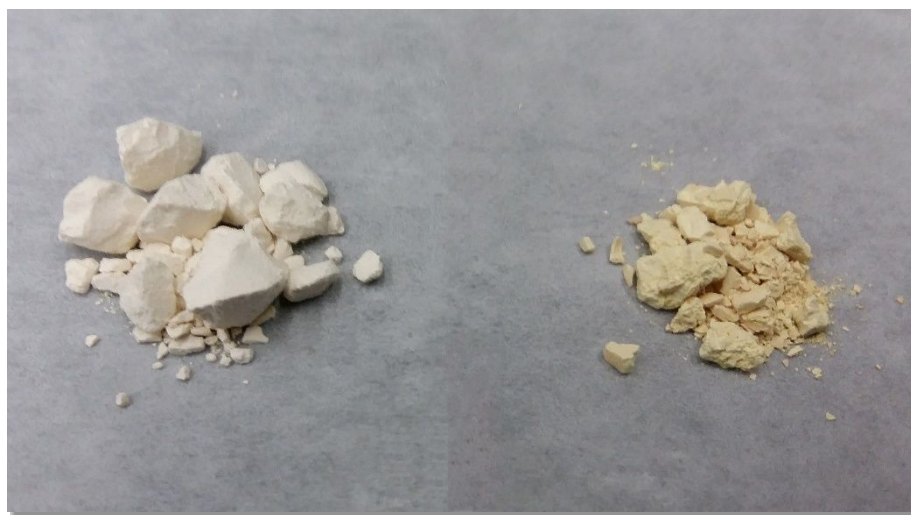


Figure S4. Optical images of Ce-BDC before (left) and after (right) phosphate uptake.