Electronic Supplementary Information

Bioinspired Fabrication and Lead Adsorption Property of Nanohydroxyapatite/Chitosan Porous Materials

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Figure S1. XRD pattern of DCPMs.



Figure S2. Pore size distribution curves of samples: (a) CPMs; (b) HCPMs.



Figure S3. N_2 adsorption-desorption isotherm curves of different samples: (a) CPMs; (b) HCPMs. The inset shows the corresponding BJH pore size distribution.



Figure S4. Compression strengths of different samples: (a) CPMs; (b) HCPMs. Sample 1-3 are fabricated under the same conditions.



Figure S5. Adsorption rates of Pb^{2+} ions on samples under the lead solutions with a concentration of 400 mg/L: (a) HCPMs; (b) CPMs; (c) HAP powders.



Figure S6. Zeta potential curves of HCPMs and CPMs under different pH values.



Figure S7. SEM images of HCPMs after adsorbing Pb²⁺ ions under different pH values: (a) 2.5; (b) 4.0; (c) 7.0