Supporting materials for

Bacteria Cell Templated Porous Polyaniline Facilitated Detoxification and Recovery of Hexavalent Chromium

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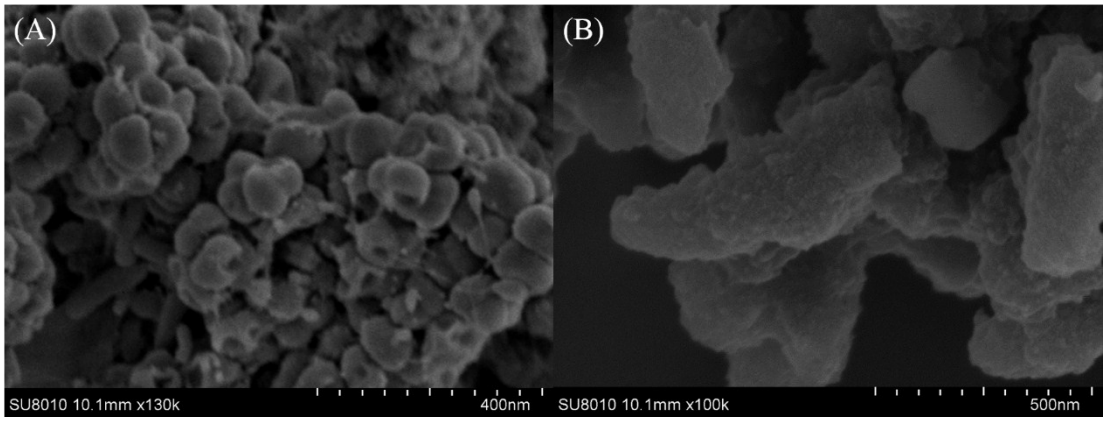

Fig. S1 SEM images of (A) bacterial used as template and (B) pristine PANI.

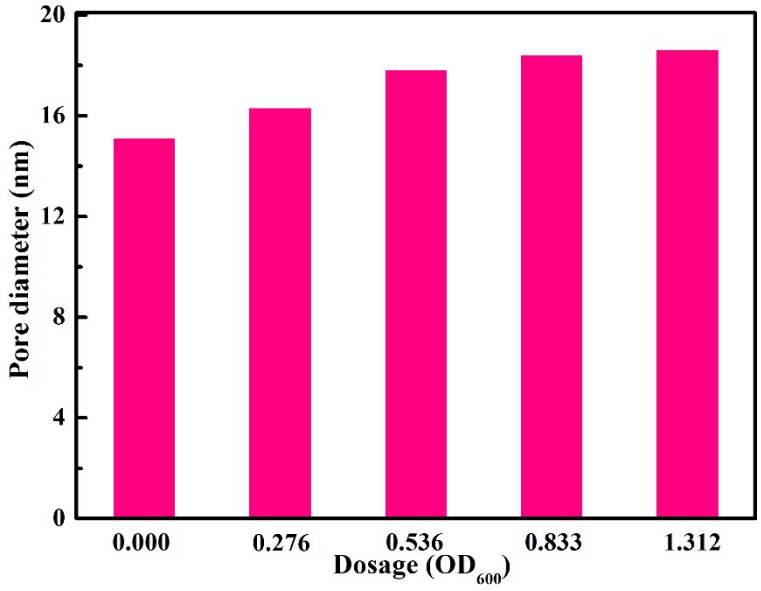

Fig. S2 Pore size distribution of the synthesized bacteria-templated porous PANI.

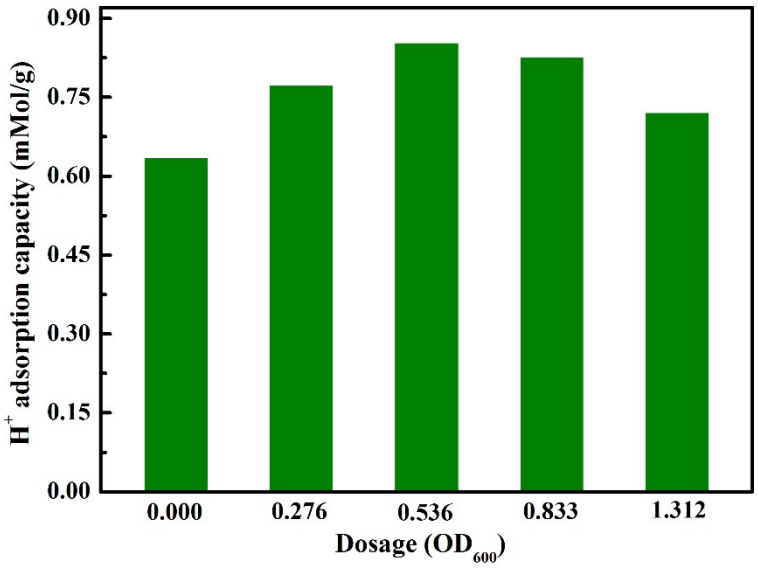

Fig. S3 H^+ storage capacity of the synthesized porous PANI with different dosages of bacteria template (initial pH = 4).

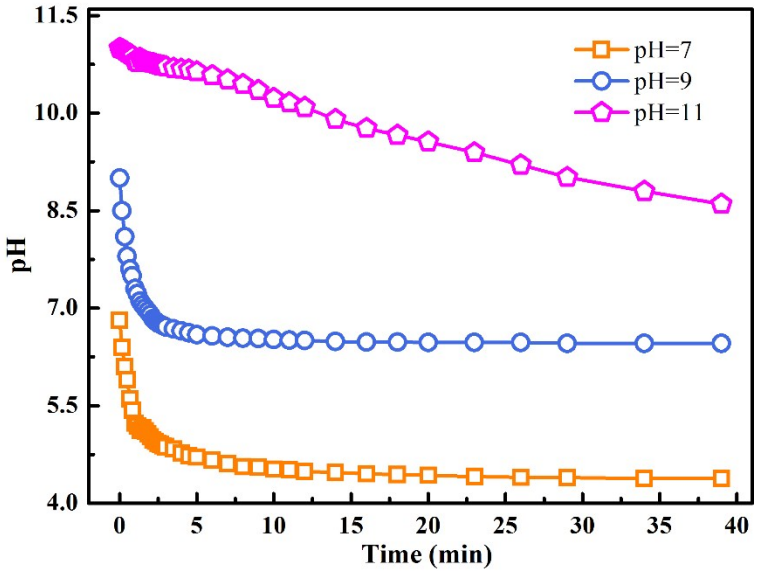

Fig. S4 H^+ release from the synthesized porous PANI (OD_{600} = 0.536) with an initial pH at 7, 9 and 11.

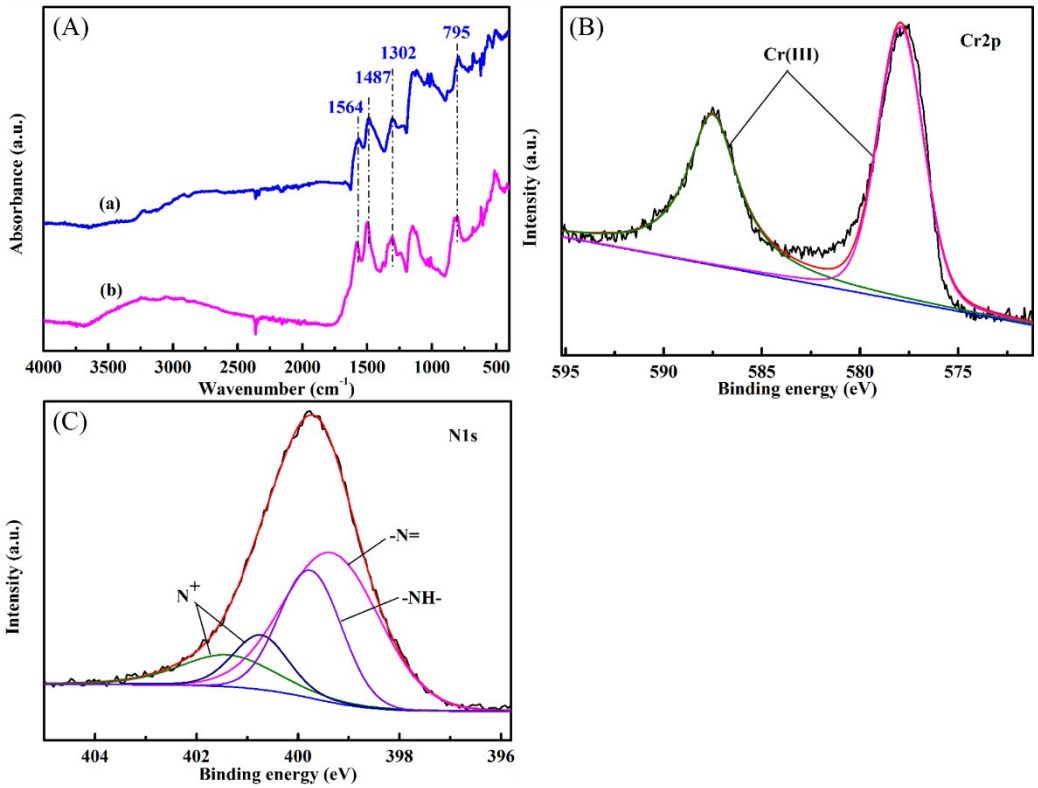

Fig. S5 (A) FT-IR spectra of porous PANI (a) before and (b) after being treated by Cr(VI) at pH 1.0; (B) Cr2p and (C) N1s XPS spectra of porous PANI after treated with Cr(VI).