

Green and Cost-effective Separation of Cadmium from Base Metals in Chloride Medium with Halide-Loaded Anion Exchanger

Supplementary Information

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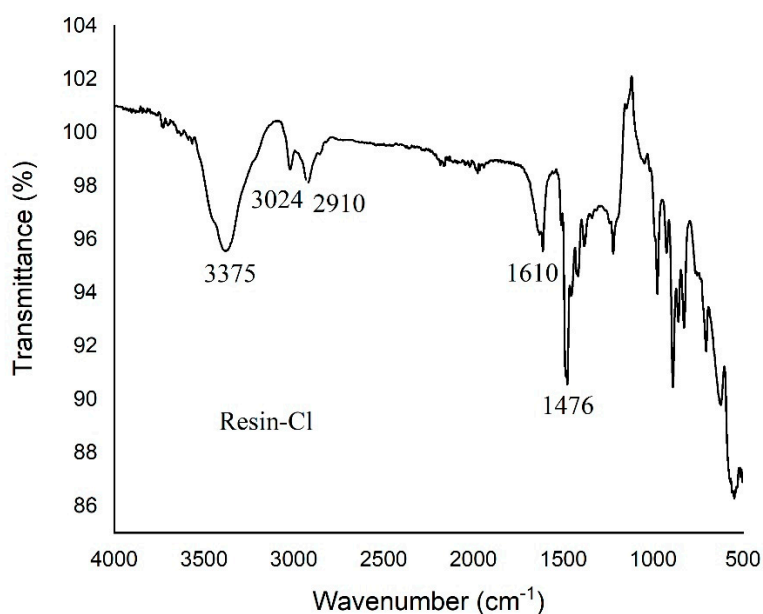
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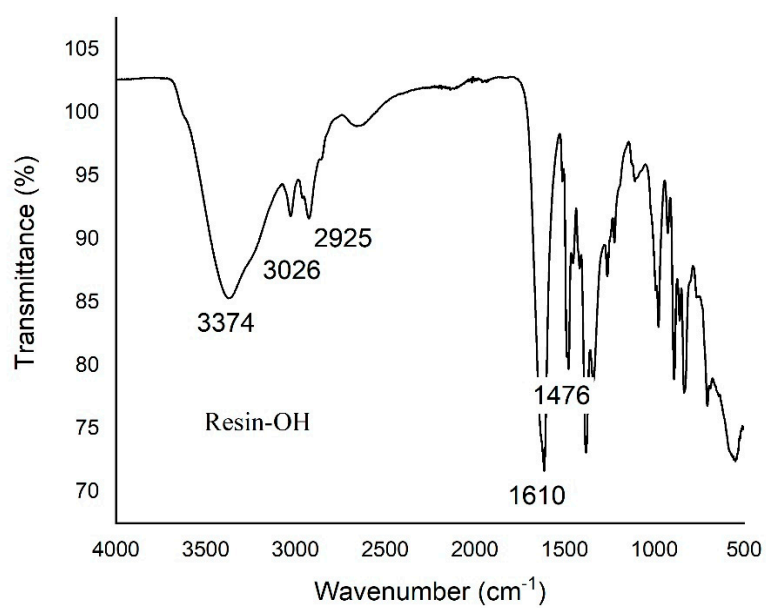
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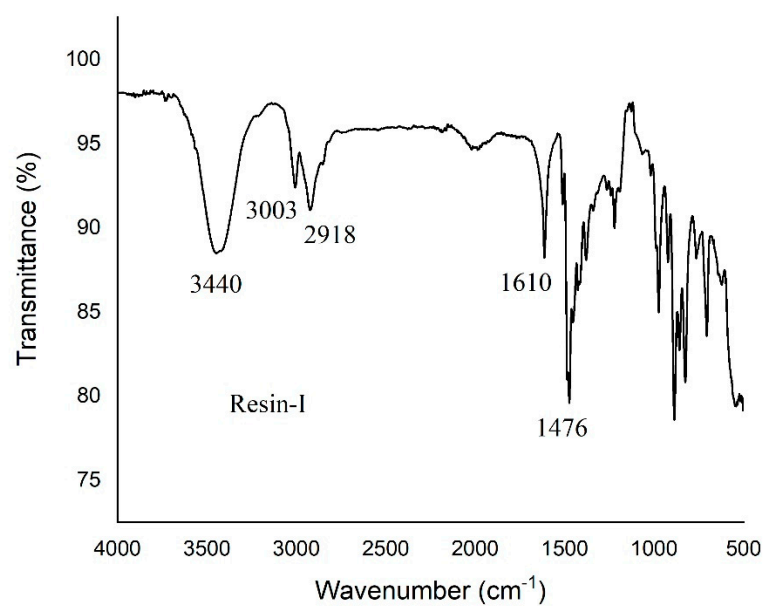
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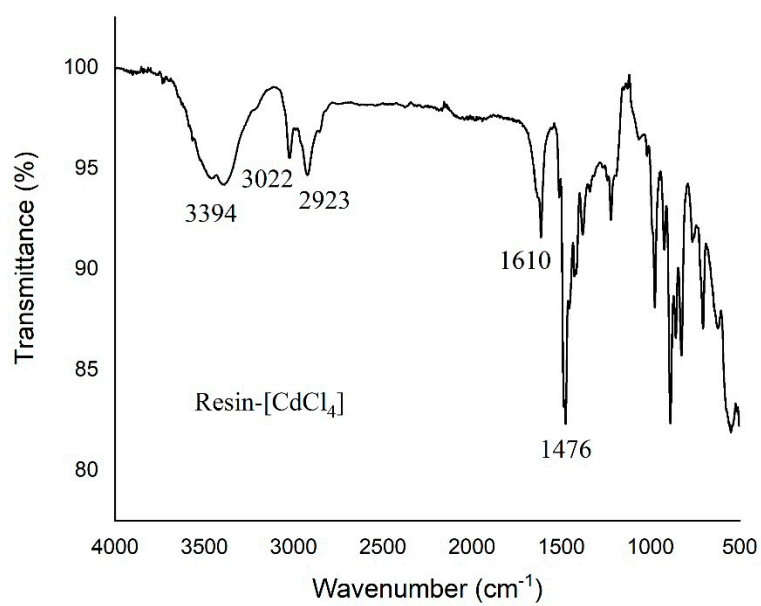
(a)



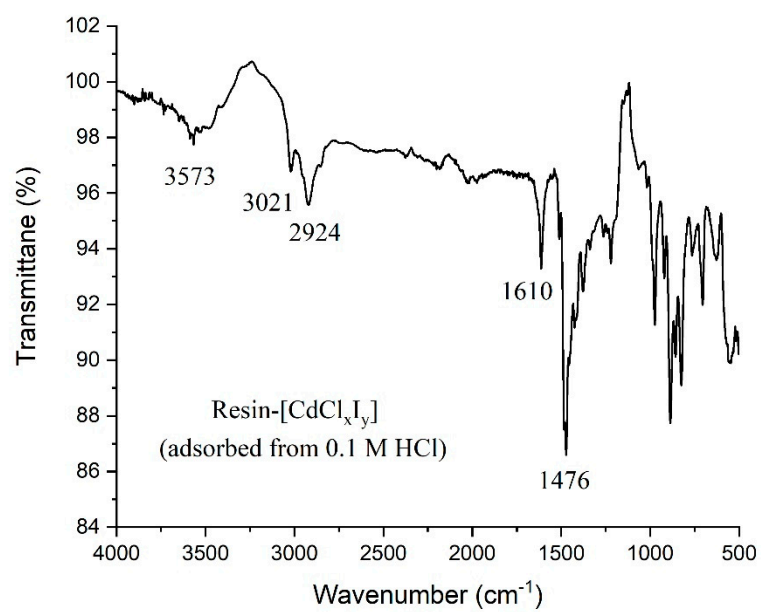
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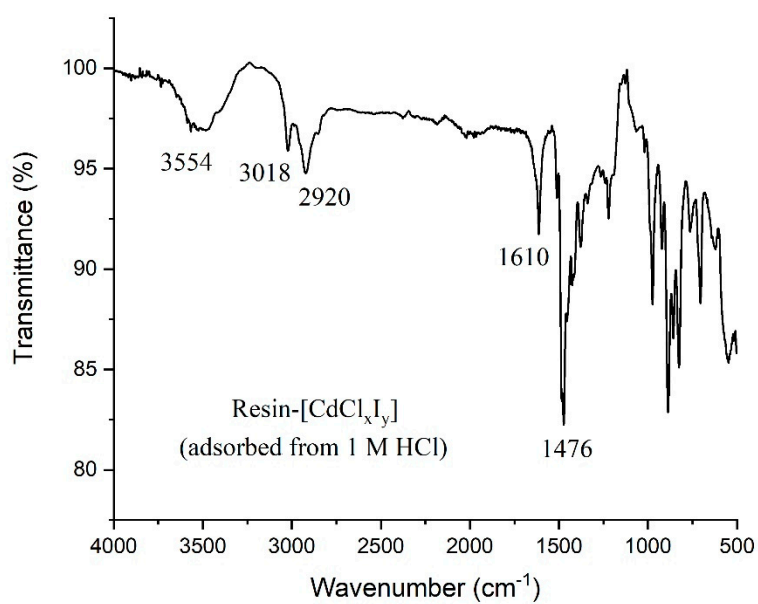
(c)



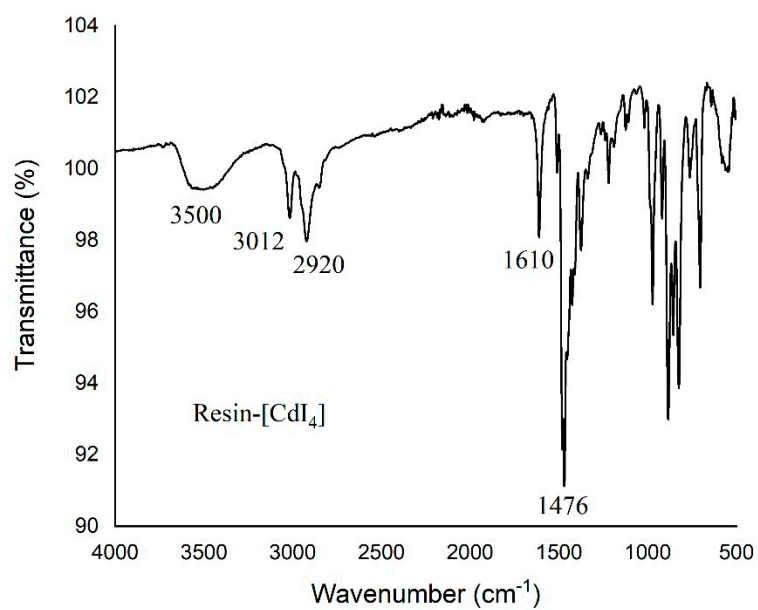
(d)



(e)



(f)



(g)

Figure S1. IR spectra of halide and [CdX₄] loaded anion exchange resins

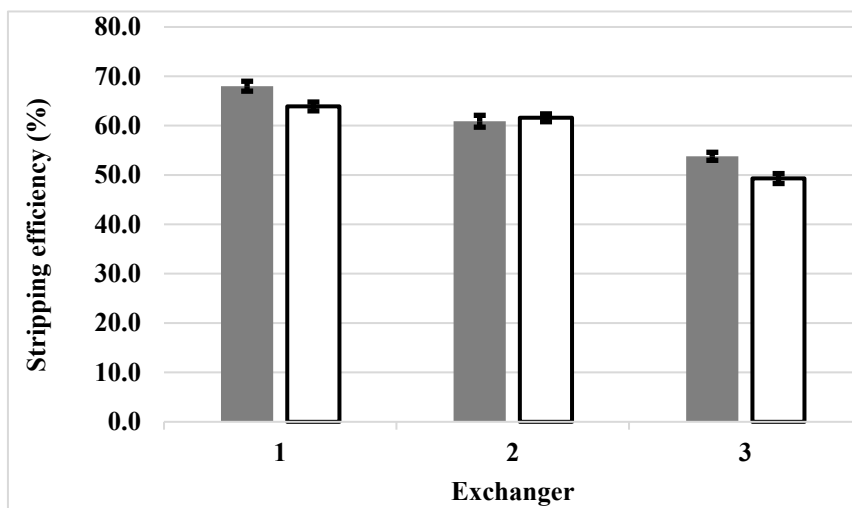


Figure S2. Stripping efficiency of Cd²⁺ with 20 bed volume of H₂O from X⁻-loaded Amberlite IRA 900 resin (■) and ZB-2 fibre (□) (1) Cl-loaded, (2) Br-loaded, (3) I-loaded.

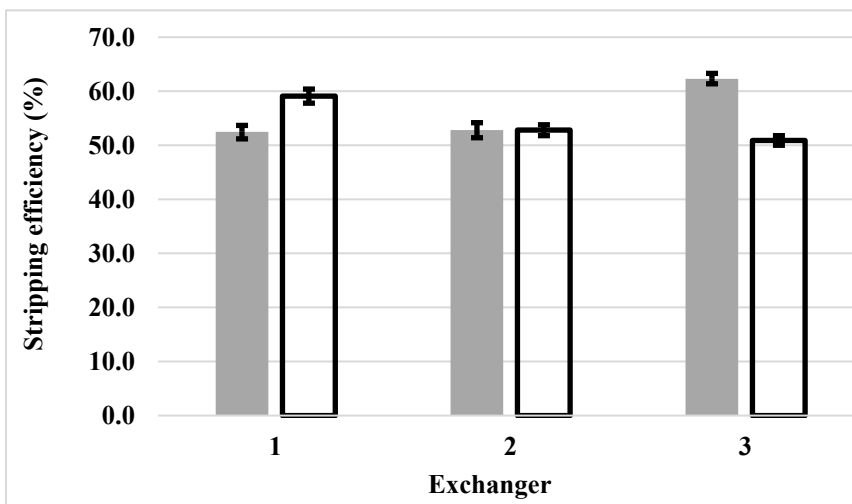


Figure S3. Stripping efficiency of Cd²⁺ with 10 bed volume of 0.5 M NH₃ from X⁻ loaded Amberlite IRA 900 resins (■) and ZB-2 fibre (□) (1) Cl-loaded, (2) Br-loaded, (3) I-loaded.

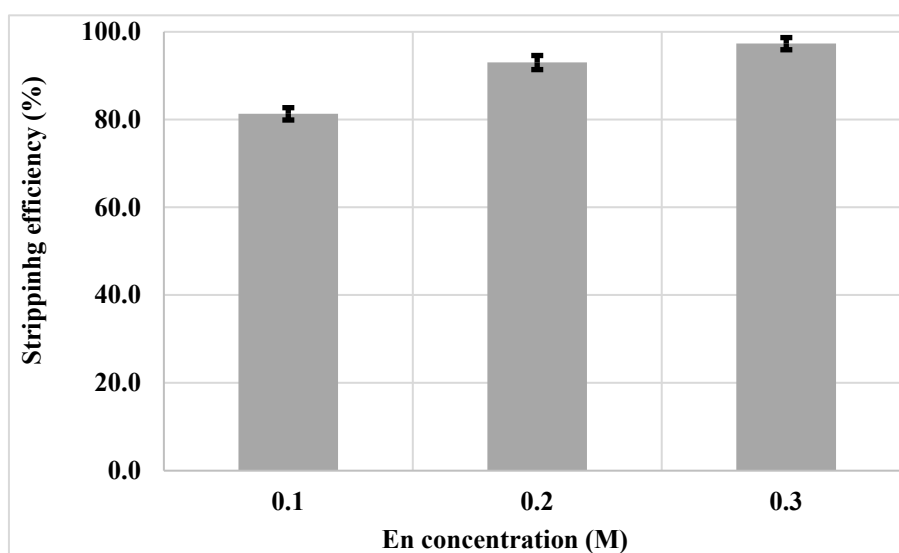


Figure S4. Stripping efficiency of Cd²⁺ with 5 bed volume of ethylenediamine from I⁻-loaded ZB-2 fibre