

Supporting information

Investigation the adsorption behavior of functional biochar-based porous composite for efficient removing Cu(II) in aqueous solution

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1. Factors affecting adsorption

1.1 The standard curve of Cu(II)

The standard curve of Cu (II) was shown in fig. S1. The following standard curve was used for all adsorption capacity calculations.

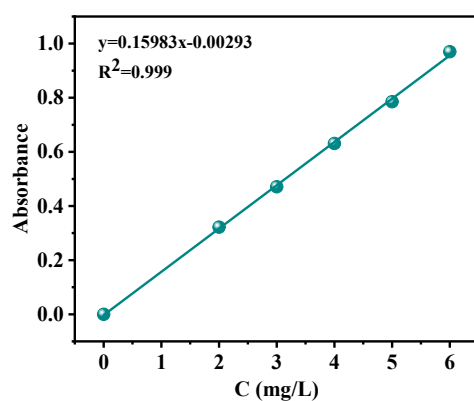


Fig.S1. The standard curve of Cu(II).

1.2 Controlled experiment

Fig.S2 showed the adsorption capacity of EDTA-BIOC hydrogels with different content of EDTA (gel-0, gel-1, gel-2, gel-3).

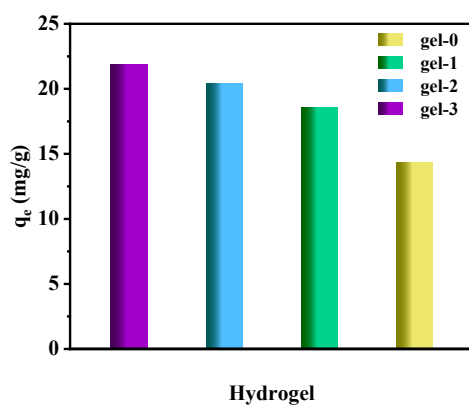


Fig.S2. The adsorption capacity of gel-0, gel-1, gel-2 and gel-3 (Adsorbent dose: 30 mg/L; contact time: 12h, temperature: 298K, pH: 6).