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# Shape memory aerogels from nanocellulose and polyethyleneimine as a novel adsorbent for removal of Cu(II) and Pb(II)

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## Highlight

- The nanocellulose-based aerogels were formed via electrostatic attraction without chemical crosslinking.
- The nanocellulose-based aerogels have wet strength and shape memory.
- The aerogel adsorbent shows high adsorption capacity and adsorption rate.
- The aerogel adsorbent exhibits good reusability.

## Abstract

This study describes the preparation of an aerogel adsorbent based on nanofibrillated

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