

(Supporting Information)

**Bioinspired assembly of layered double
hydroxide/carboxymethyl chitosan bionanocomposite
hydrogel films**

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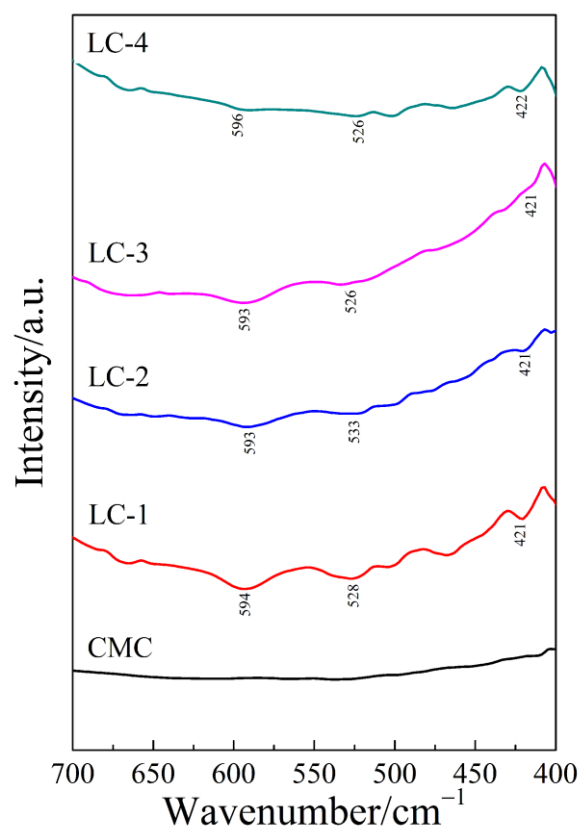


Fig. S1 FT-IR spectra of the pure CMC film and the C-LDH/CMC bionanocomposite films with different C-LDHs mass contents (in the range of 700-400 cm⁻¹)

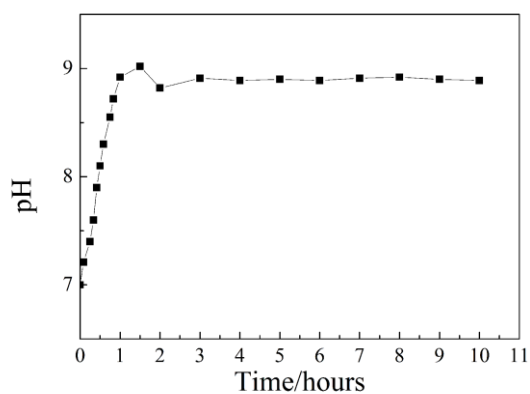


Fig. S2 Variation of pH with the reaction time

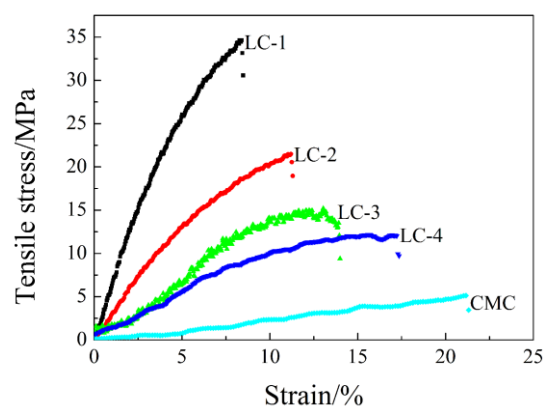


Fig. S3 Tensile strength–strain curves for the pure CMC film and the C-LDH/CMC bionanocomposite films with different C-LDHs mass contents