

Electronic Supplementary Information (ESI)

Structure-modulated CaFe-LDHs with superior simultaneous removal of deleterious anions and corrosion protection of steel rebar

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Supporting Figure captions

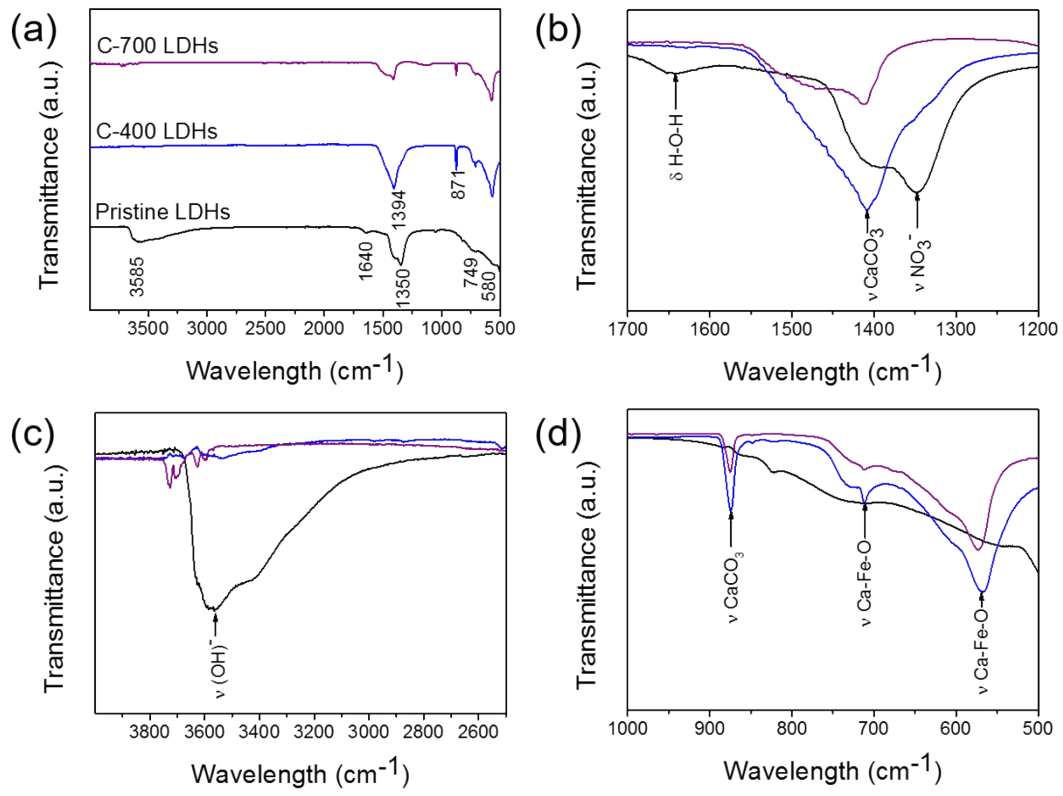
SI. 1. FTIR spectrum of CaFe-LDHs showing different structure transformation according to thermal treatment conditions: (a) view of overall range and magnified views in the ranges of (b) 1200-1700 cm^{-1} , (c) 2500-3900 cm^{-1} , and (d) 500-1000 cm^{-1} .

SI 2. FTIR spectra of CaFe-LDHs with (a) pristine LDHs, (b) C-400 LDHs, and (c) C-700 LDHs after Cl^- , SO_4^{2-} , and CO_3^{2-} anion adsorption.

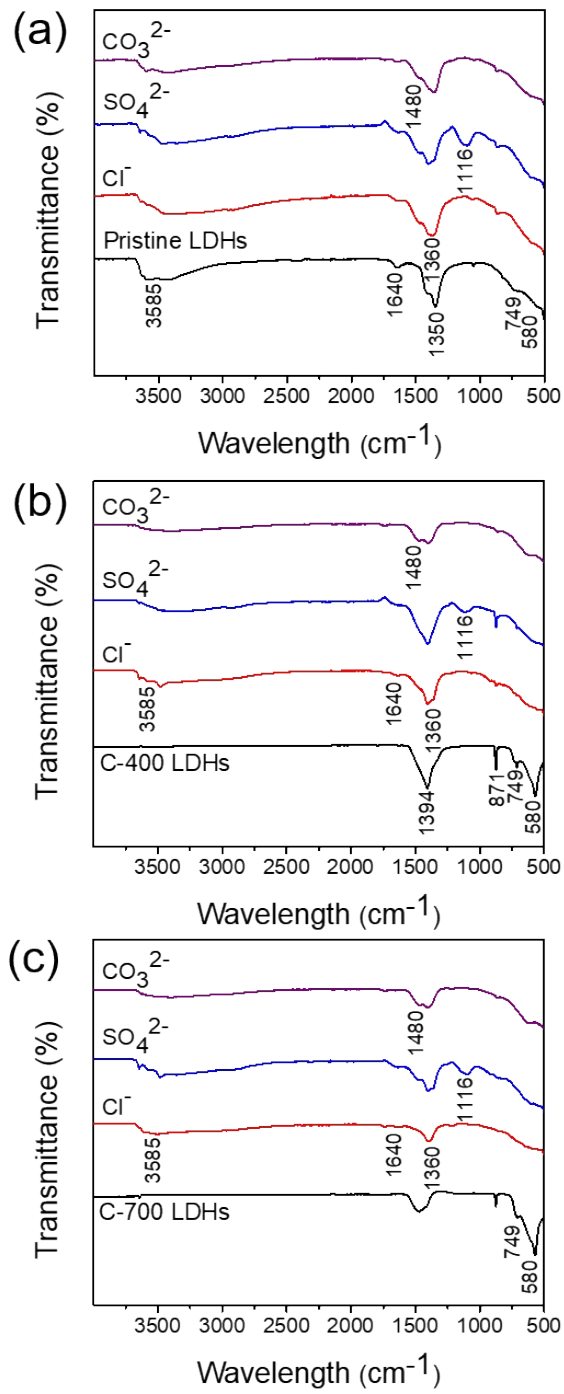
SI 3. XRD pattern of CaFe-LDHs with (a) pristine LDHs (b) C-400 LDHs, and (c) C-700 LDHs after Cl^- , SO_4^{2-} , and CO_3^{2-} anion adsorption.

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SI. 1.



Sl. 2.



SI. 3.

