

Supporting Information

Exchanging Interlayer Anions in NiFe-LDHs Nanosphere Enables Superior Battery-Type Storage for High-Rate Aqueous Hybrid Supercapacitors

Harishchandra S. Nishad,^a Vishal Kotha,^b Pradip Sarwade,^c Atul C. Chaskar,^d Sagar Mane,^e Jaewoong Lee,^e Pravin S. Walke^{*a}

^a National Centre for Nanosciences and Nanotechnology, University of Mumbai, Mumbai- India-400098.

^b Department of Chemical Physics, Weizmann Institute of Science, Rehovot, Israel-7610001,

^c Department of Physics, University of Mumbai, India-400098.

^d Department of Chemistry, Institute of Chemical Technology, Mumbai, India-400019.

^e Department of Fiber System Engineering, Yeungnam University, Gyeongsan, Gyeonbuk, South Korea, 38541.

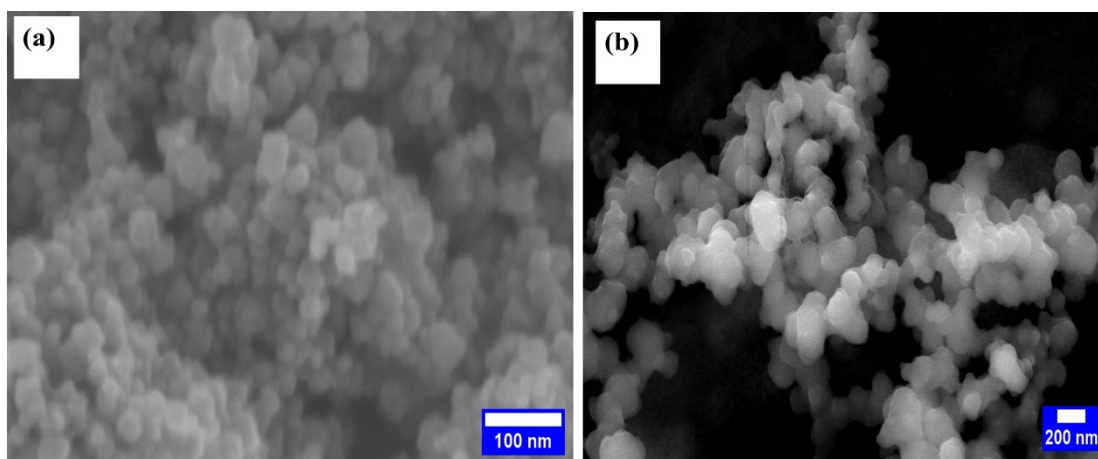


Fig.S1 SEM image of NFC (a) and NFS (b)

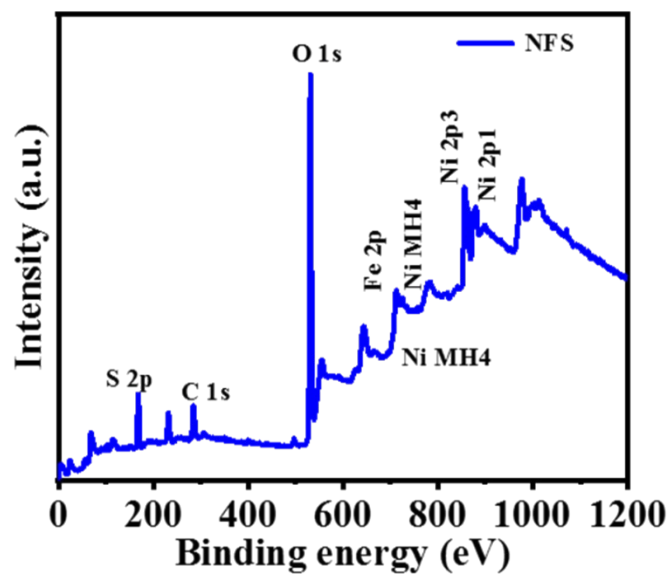


Fig.S2 XPS wide survey scan spectrum of NFS

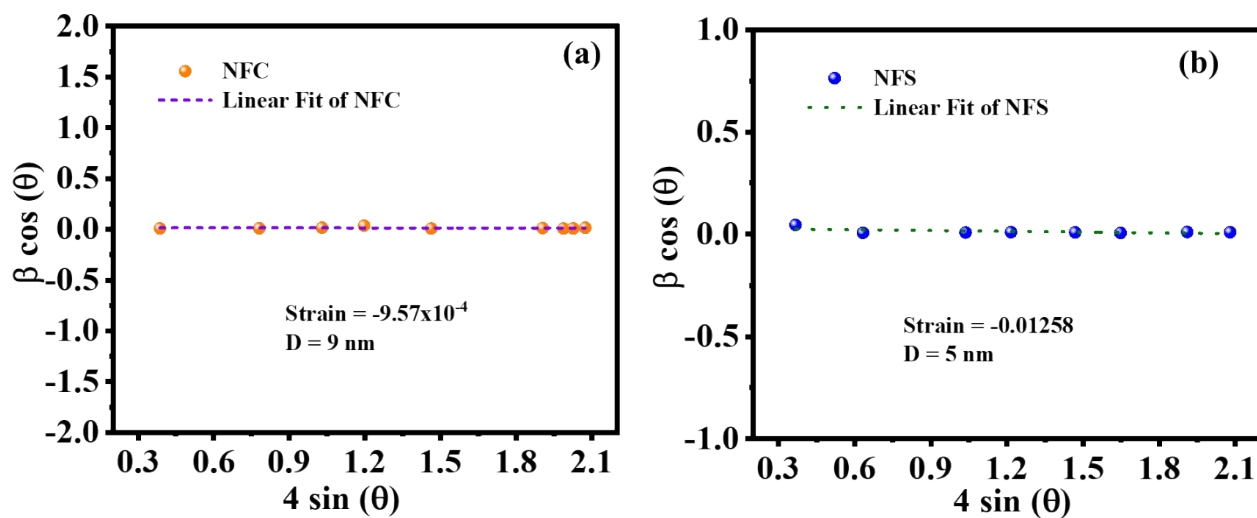


Fig.S3 W-H plot of NFC (a) and W-H plot of NFS (b)

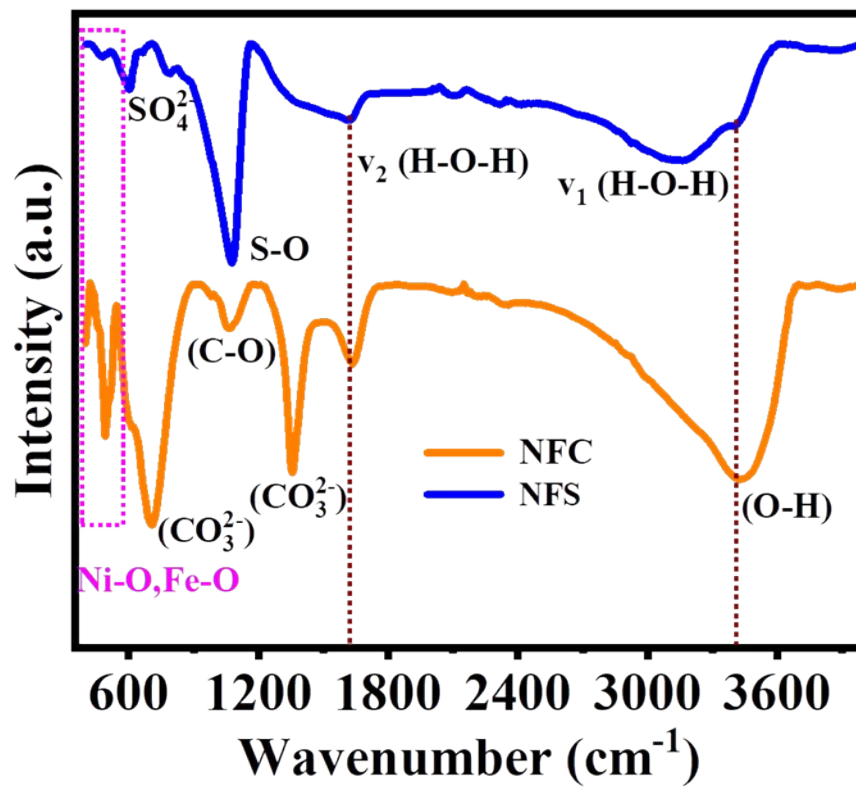


Fig. S4 FT-IR spectra of NFC and NFS.

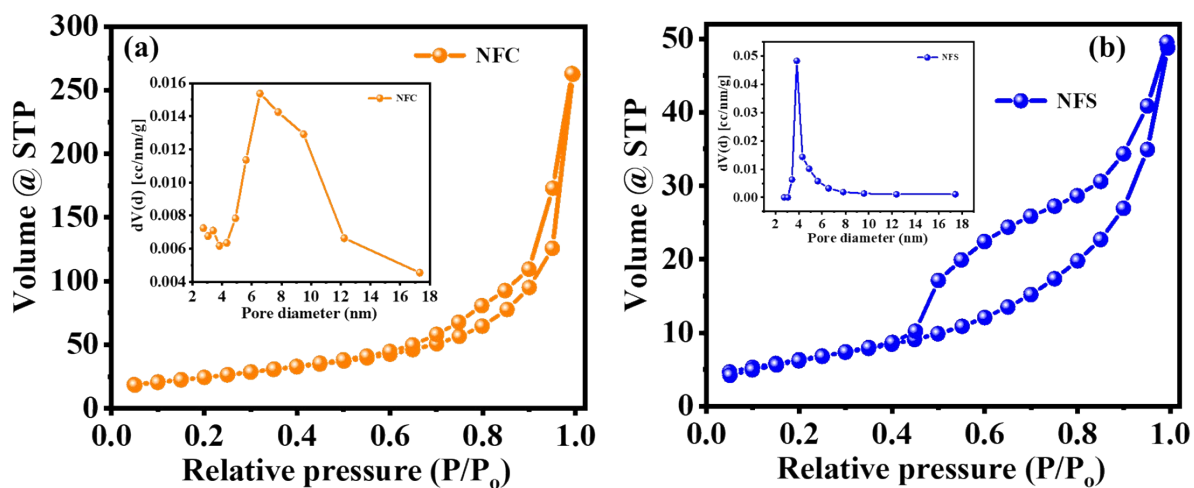


Fig.5 Nitrogen adsorption–desorption isotherm and inset is pore diameter distribution of NFC (a) and NFS (b).

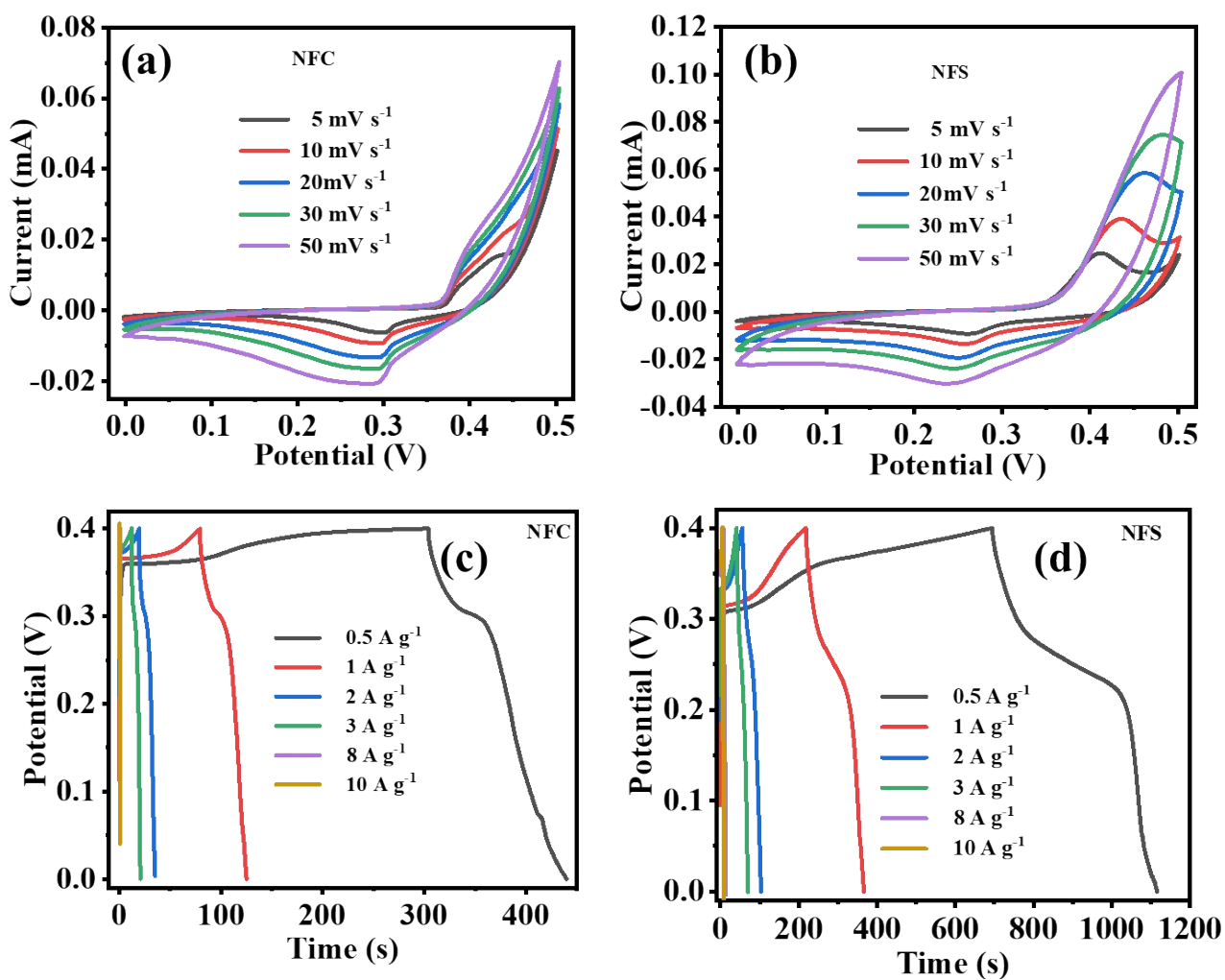


Fig. S6 (a, b) CV curves of NFC and NFS at different scan rate, (c, d) GCD curves of NFC and NFS in 6 M KOH aqueous electrolyte respectively.