Electronic Supplementary Information (ESI) for

Three–Dimensional NiAl–mixed Metal Oxide Film: Preparation and Capacitive Deionization Performances

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Fig. S1 Electrochemical characterizations of nickel foam. (a) CV curves at different scan rates (5 – 30 mV s\(^{-1}\)); (b) galvanostatic discharge curves at various discharge current densities (5 – 30 mA cm\(^{-2}\)).
Fig. S2 Electrochemical characterizations of NiAl-LDH film on nickel foam. (a) CV curves at different scan rates (5 – 30 mV s$^{-1}$); (b) galvanostatic discharge curves at various discharge current densities (5 – 30 mA cm$^{-2}$).
**Fig. S3** Electrosorption and desorption equilibrium curve of NiAl–LDH electrode in 0.01 mol L$^{-1}$ NaCl solution.