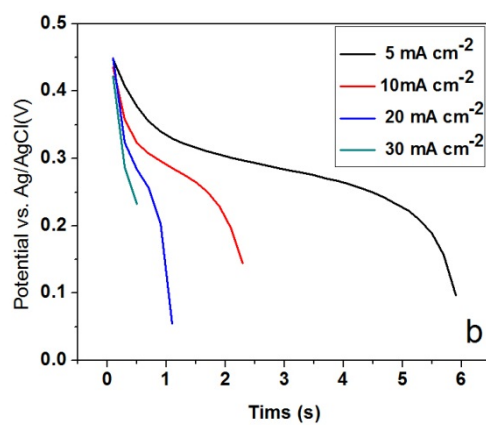
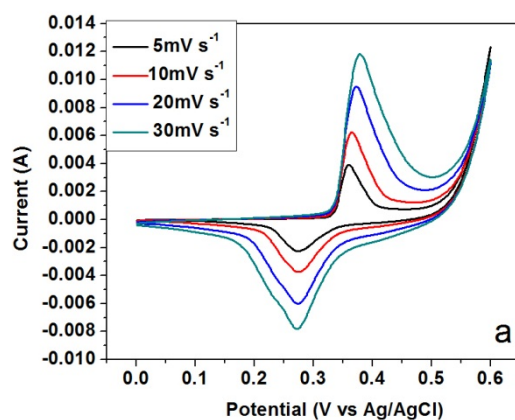


Electronic Supplementary Information (ESI) for

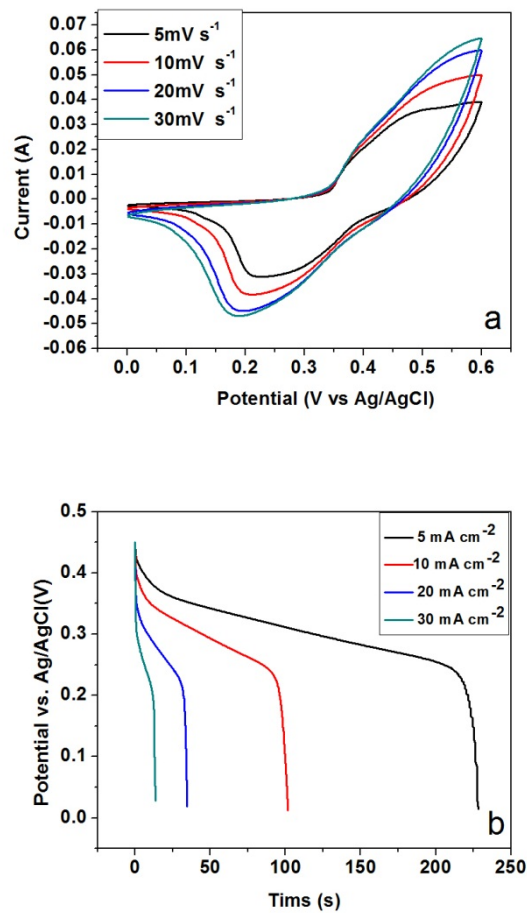
**Three-Dimensional NiAl-mixed Metal Oxide Film:  
Preparation and Capacitive Deionization Performances**

Xiaodong Lei,\* Bo Wang, Junfeng Liu, Zhengping Ye, Zheng Chang, Meihong Jiang and  
Xiaoming Sun

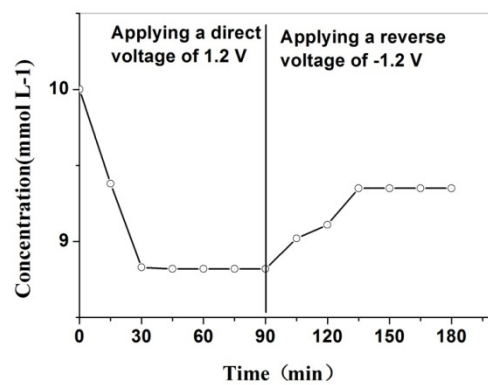
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**Fig. S1** Electrochemical characterizations of nickel foam. (a) CV curves at different scan rates (5 – 30 mV s<sup>-1</sup>); (b) galvanostatic discharge curves at various discharge current densities (5 – 30 mA cm<sup>-2</sup>).



**Fig. S2** Electrochemical characterizations of NiAl-LDH film on nickel foam. (a) CV curves at different scan rates (5 – 30 mV s<sup>-1</sup>); (b) galvanostatic discharge curves at various discharge current densities (5 – 30 mA cm<sup>-2</sup>).



**Fig. S3** Electrosorption and desorption equilibrium curve of NiAl-LDH electrode in 0.01 mol L<sup>-1</sup> NaCl solution.