

Supporting Information

Room-Temperature Synthesis of Carbon Nanotubes-Interconnected Amorphous NiFe Layered Double Hydroxides for Boosting Oxygen Evolution Reaction

Zhuo Chen ^{1,†}, Qiang Qu ^{1,†}, Xinsheng Li ², Katam Srinivas ², Yuanfu Chen ^{2,*}, and Ming-qiang Zhu ^{1,*}

¹ College of Mechanical and Electronic Engineering, Northwest A&F University, Yangling 712100, PR China

² School of Integrated Circuit Science and Engineering, and State Key Laboratory of Electronic Thin Films and Integrated Devices, University of Electronic Science and Technology of China, Chengdu 610054, PR China

* Corresponding authors.

E-mail addresses: yfchen@uestc.edu.cn (Y-F. Chen), zmqsx@nwsuaf.edu.cn (M-Q. Zhu).

[†] These authors contributed equally to this work.

XPS fitting data

The fitted peak data of XPS of NiFe-LDH@CNT are summarized in Table S1.

Table S1. The fitted peak data of XPS of NiFe-LDH@CNT

Elements	Peak (BE) eV						
Ni 2p	854.99	856.40	860.80	863.46	872.52	874.68	879.03
Fe 2p	706.14	710.72	714.75	718.87	724.15		
C 1s	284.00	285.17	287.29				

CV curves for calculating C_{dl}

The C_{dl} data can be calculated from the CV curves. The CV curves of Ni-LDH, Fe-LDH, NiFe-LDH, and NiFe-LDH@CNT are shown in Figure S1.

(b)

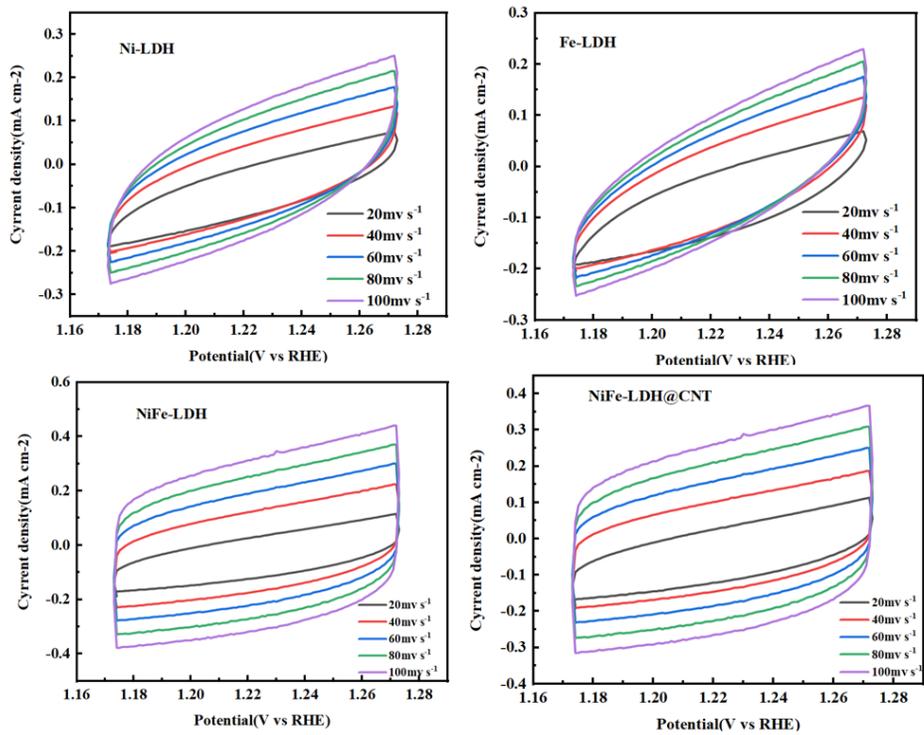


Figure S1. Voltammograms of Ni-LDH, Fe-LDH, NiFe-LDH, and NiFe-LDH@CNT for OER in alkaline electrolyte.