

**Investigation of Molybdenum-Atom-Modified Bifunctional
Electrocatalysts (Mo-NiFe LDH) and High-Efficiency Hydrogen
Evolution Performance**

Xiaokun Liu, Yinghui Wang, Zhimin Wang, Ning Zhao*, Jianfei Ying, Wenbo Liao*,
Shihao Hao, Hui Zhang, Gang Zhao*

School of Physics and Technology, School of Quantum Technology for the Future,
University of Jinan, Jinan 250022, P. R. China

*Corresponding address: sps_zhaog@ujn.edu.cn; zhaoning_ujn@163.com;
liaowb_ujn@163.com

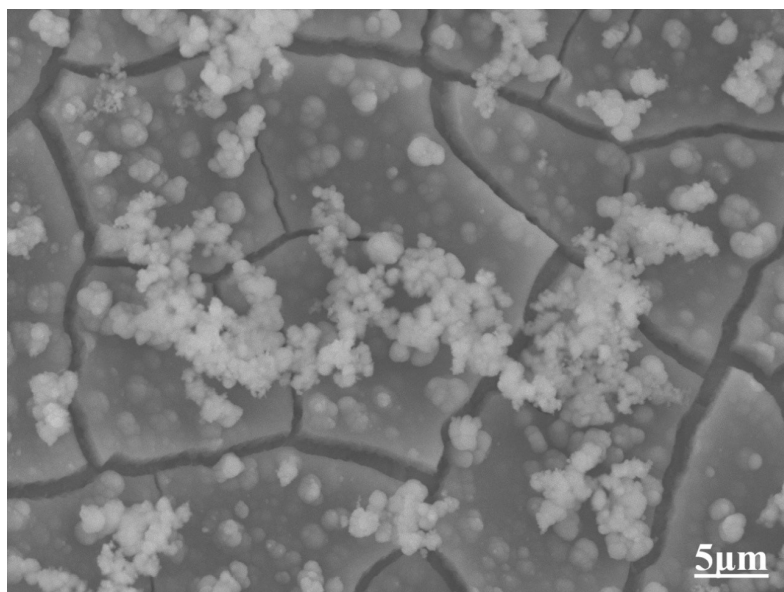


Fig. S1. Scanning electron microscopy (SEM) images of 5% Mo- NiFe-LDH.

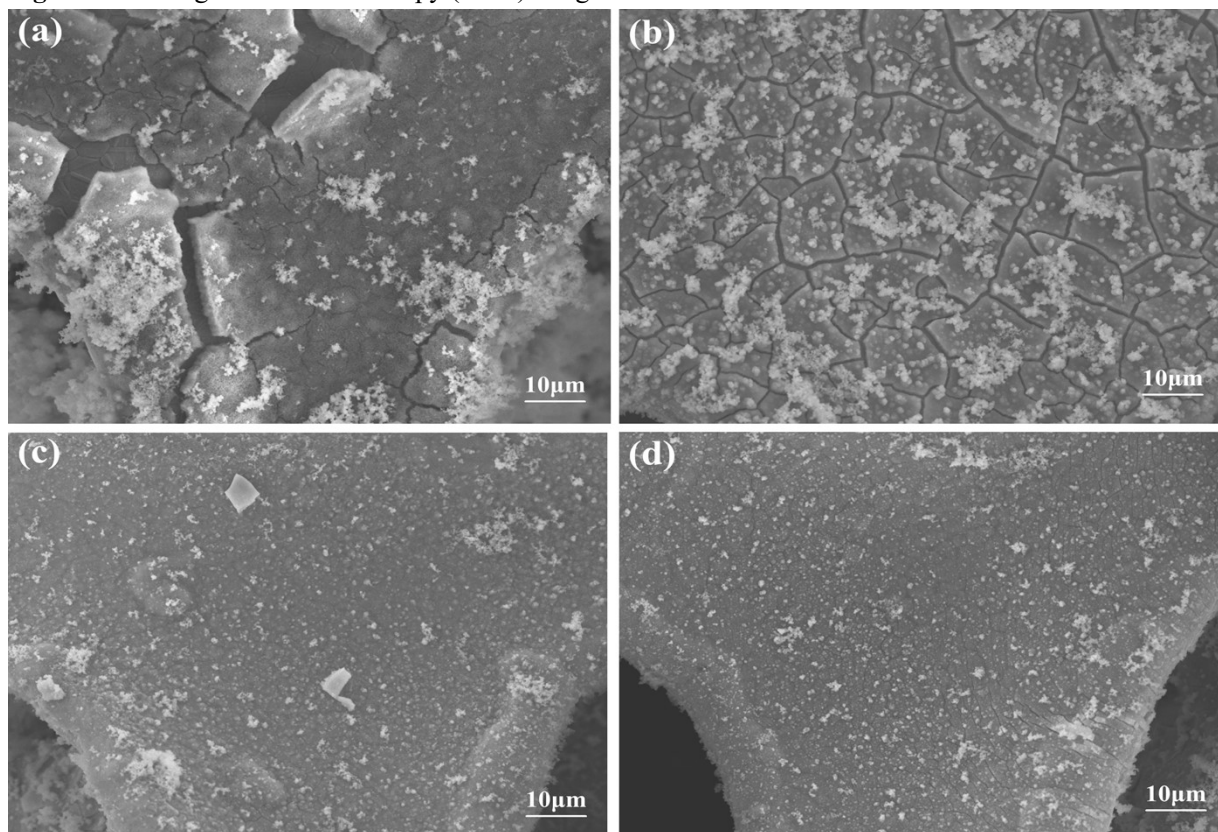


Fig. S2. Scanning electron microscopy (SEM) images of (a) NiFe-LDH, (b) 5% Mo- NiFe-LDH, (c) 10% Mo- NiFe-LDH, (d) 15% Mo- NiFe-LDH.

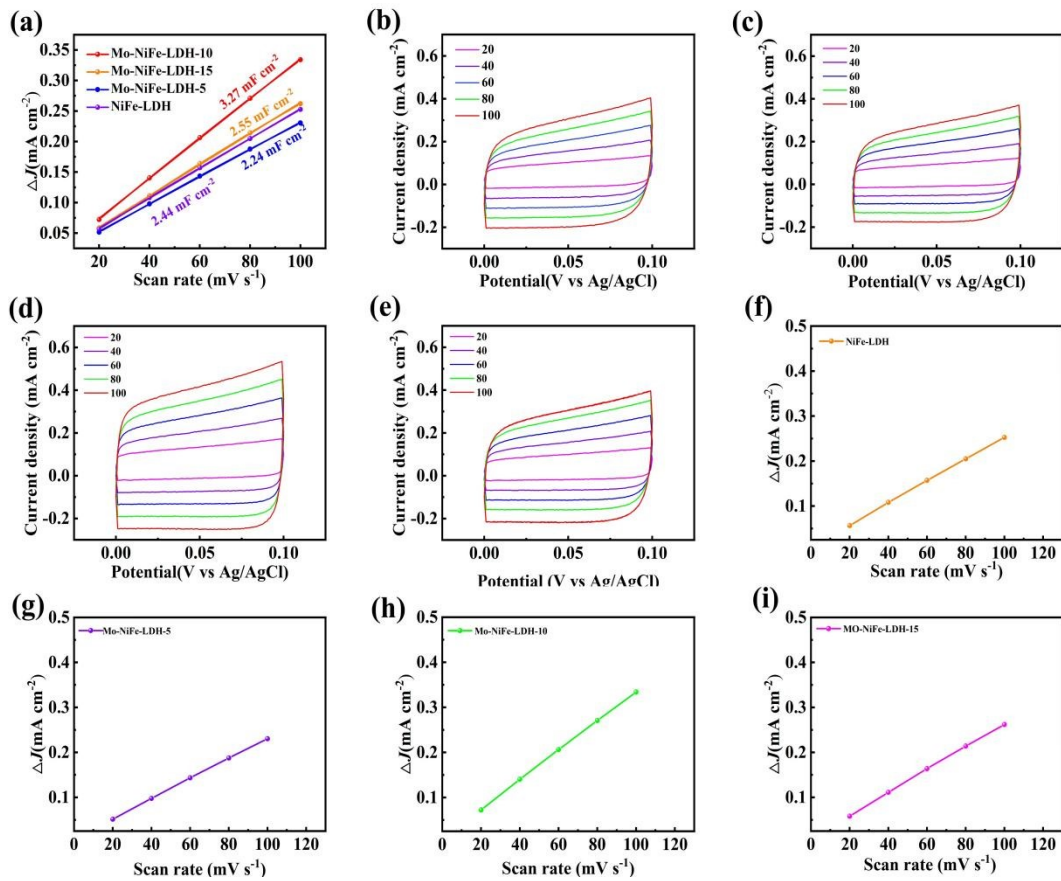


Fig. S3. (a) C_{dl} at different scanning rates. (b-e) CV scans at different speeds for each material (f-i) Double layer capacitors of various materials.