Supporting Information

Tunable 3D/2D MoS_2/Ni_3S_2 nanocomposites as an Efficient Electrocatalyst for Hydrogen Evolution Reaction

Van-Qui Le[1], Phuoc-Anh Le[1,3], Su-Yang Hsu[2], Ya-Wen Hsu[1], Chang-Yu Hsiao[1], Yen-Lin Fu[1], Shih-Yu Huang[4], Jin-Ming Chen[5], Kung-Hwa Wei[1]*

[1] Department of Materials Science and Engineering, National Yang Ming Chiao Tung University, Hsinchu 30010, Taiwan

[2] National Synchrotron Radiation Research Center, Hsinchu, 30076, Taiwan

[3] Institute of Chemistry, Vietnam Academy of Science and Technology, Hanoi 100000, Vietnam

[4] Department of Physics, National Changhua University of Education, Changhua, 500, Taiwan

[5] Department of Electrophysics, National Yang Ming Chiao Tung University, Hsinchu 30010, Taiwan

*Corresponding authors: Prof. Kung-Hwa Wei; khwei@nycu.edu.tw

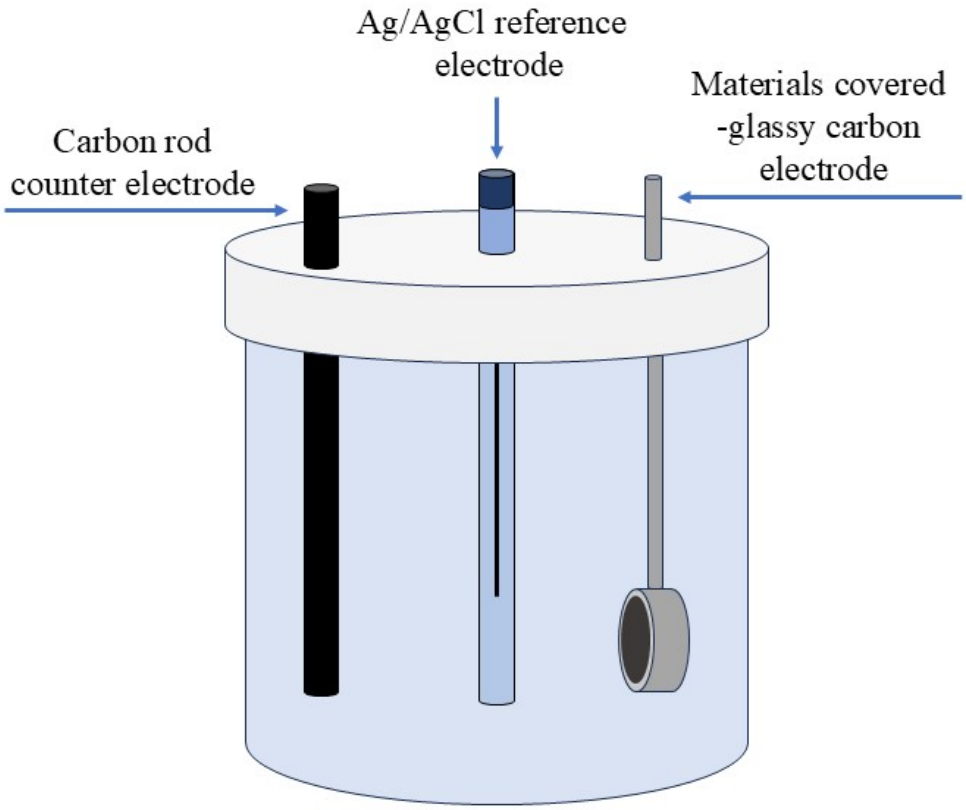

Figure S1. The three-electrode system in this research with carbon rod counter electrode, Ag/AgCl reference electrode, Ag/AgCl reference electrode, and materials covered-glassy carbon electrode.

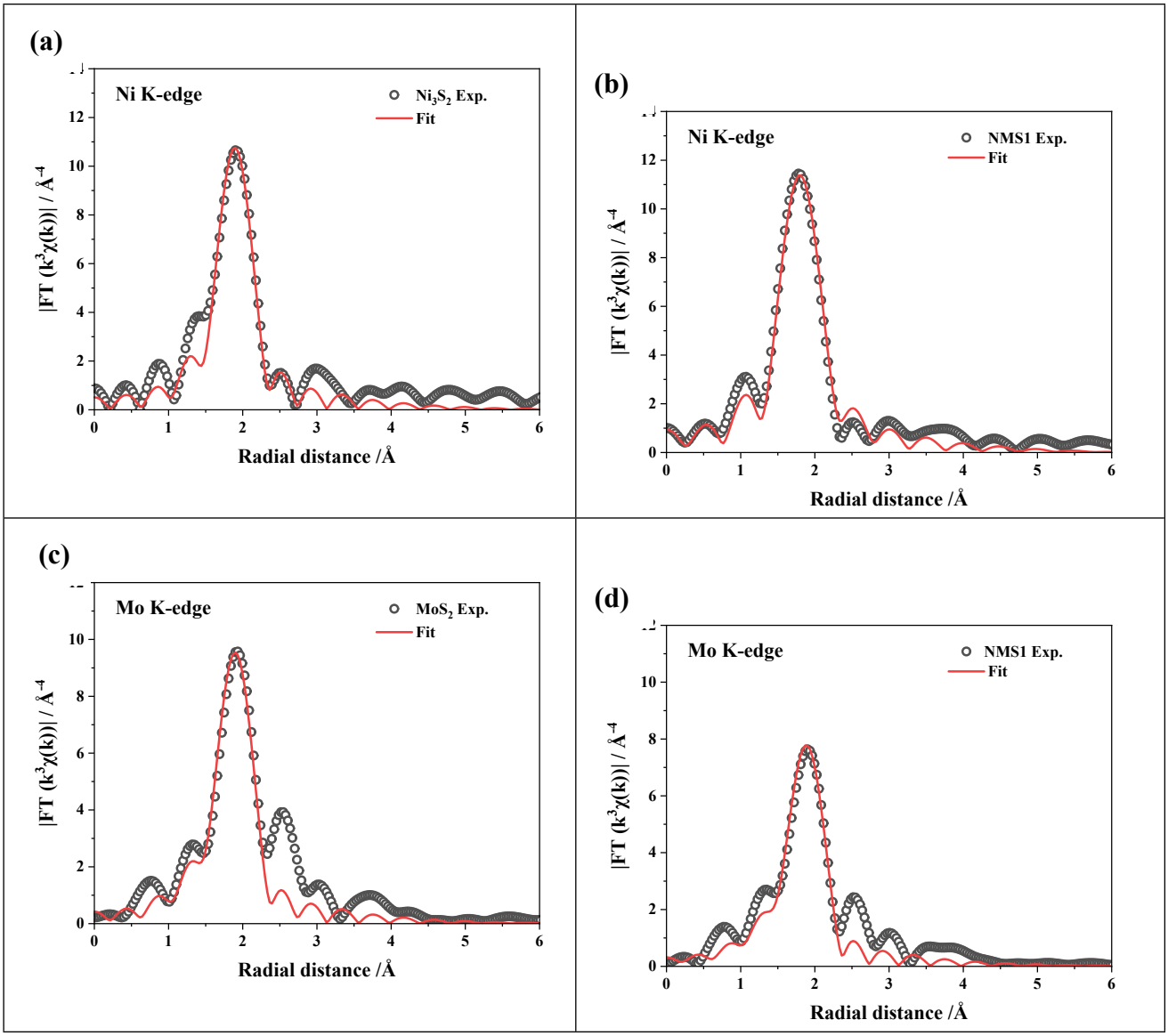

Figure S2. The FT k^3-weighted EXAFS fitting results of Ni K-edge (a) Ni_3S_2 and (b) NMS1 and Mo K-edge (c) MoS_2 and (d) NMS1.

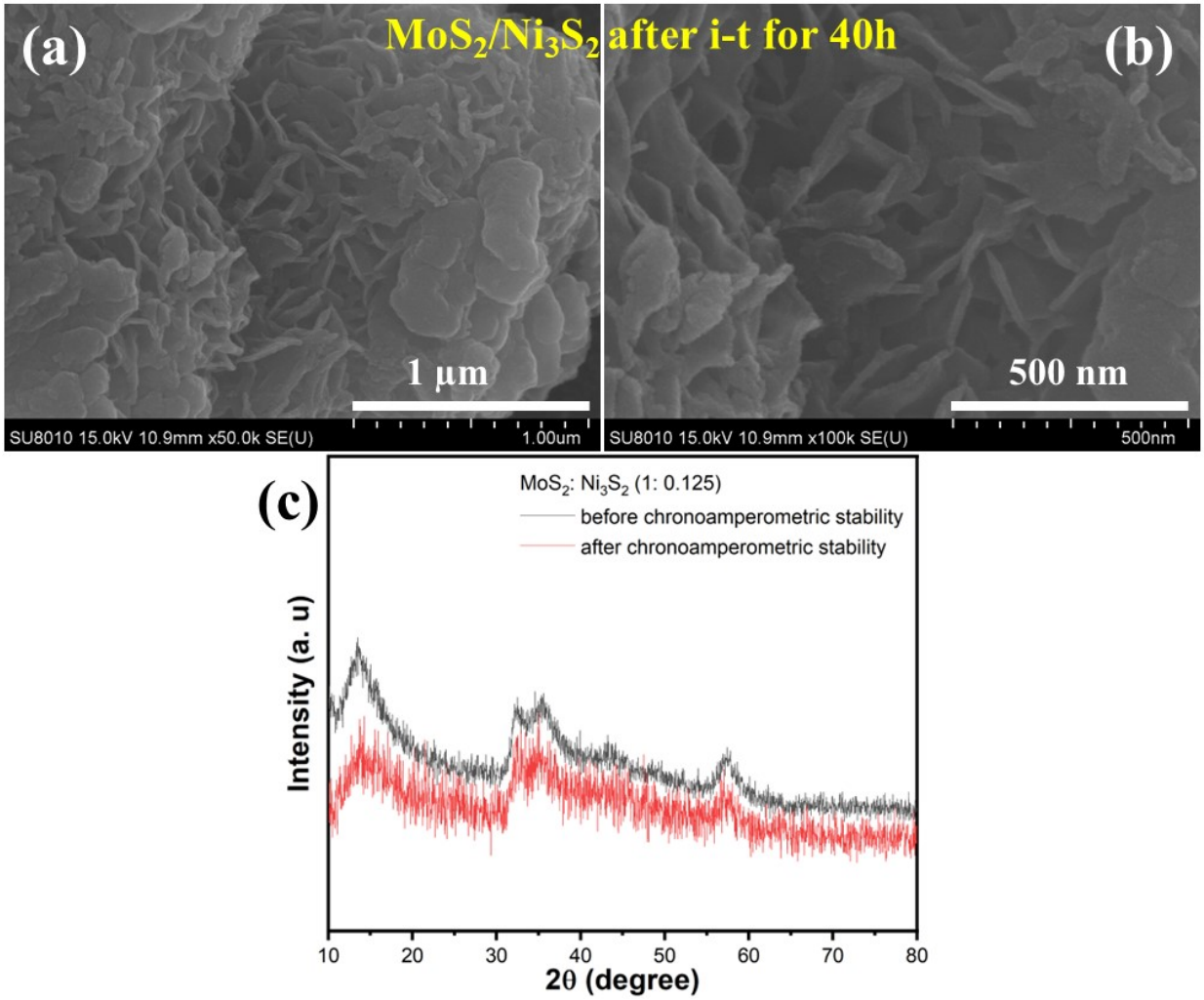

Figure S3. (a, b) The SEM images, and (c) XRD pattern of NMS1 samples after 40h chronoamperometric stability of i-t measurement.