

Supporting information

Gold Nanoclusters Grown on MoS₂ Nanosheets by Pulsed Laser

Deposition: An Enhanced Hydrogen Evolution Reaction

Yuting Jing^{#1}, Ruijing Wang^{#1}, Qiang Wang^{*2}, Xuefeng Wang^{*1}

¹Shanghai Key Lab of Chemical Assessment and Sustainability, School of Chemical Science and Engineering, Tongji University, Shanghai 200092, China

E-mail: xfwang@tongji.edu.cn; Fax: +86-21-65981097; Tel: +86-21-65981097

² State Key Laboratory of Coal Conversion, Institute of Coal Chemistry, Chinese Academy of Sciences, Taiyuan 030001, Shanxi, China

E-mail: wqiang@sxicc.ac.cn

[#]These authors contributed equally to this work.

Table S1 The atom percentage (at. %) of Au, Mo, S element in the Au/MoS₂/Ti with different Au deposition time.

Element/Time	1 min	3 min	5 min	10 min
Ti K	9.87	1.33	13.06	5.41
O K	12.55	12.02	14.05	18.55
S K	53.03	58.99	49.16	47.39
Mo L	23.67	26.55	22.20	25.30
Au M	0.87	1.11	1.53	3.35

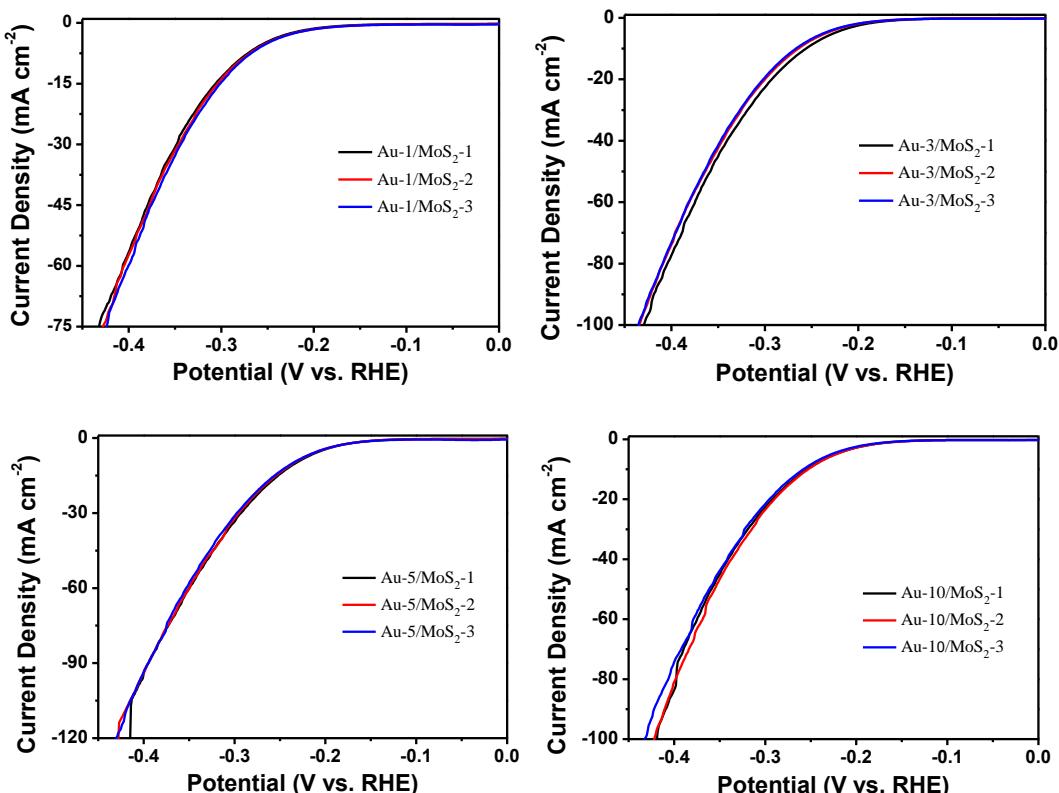


Figure S1 The LSV curves of the Au/MoS₂ with different Au deposition time in the parallel experiment.

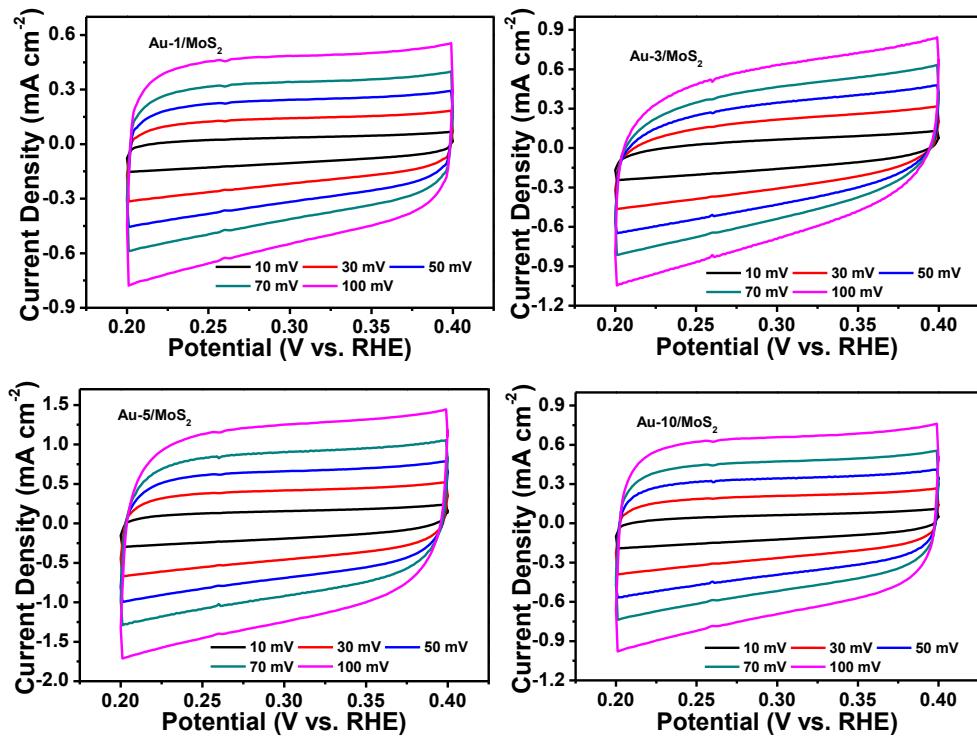


Figure S2 The CV curves of the Au/MoS₂/Ti with different Au deposition time.