Supporting Information for

Synergistic Effects in CNTs-PdAu/Pt Trimetallic Nanoparticles with

High Electrocatalytic Activity and Stability

Xin-Lei Cai¹, Chang-Hai Liu²,*, Jie Liu¹, Ying Lu¹, Ya-Nan Zhong¹, Kai-Qi Nie¹, Jian-Long Xu¹, Xu Gao¹, Xu-Hui Sun¹, Sui-Dong Wang¹,*

¹Institute of Functional Nano & Soft Materials (FUNSOM), Jiangsu Key Laboratory for Carbon-Based Functional Materials & Devices, Soochow University, Suzhou, Jiangsu 215123, People's Republic of China

²School of Materials Science & Engineering, Jiangsu Collaborative Innovation Center of Photovoltaic Science and Engineering, Changzhou University, Changzhou, Jiangsu 213164, People's Republic of China

*Corresponding authors. E-mail: wangsd@suda.edu.cn, liuch@cczu.edu.cn

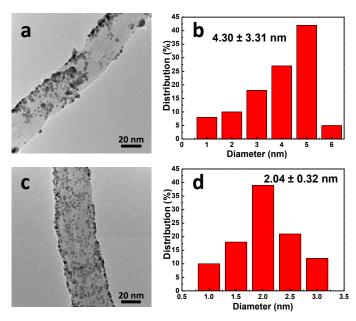


Fig. S1 TEM images and size distribution of: a and b CNTs-Au/Pt NPs, and c and d Pd/Pt NPs

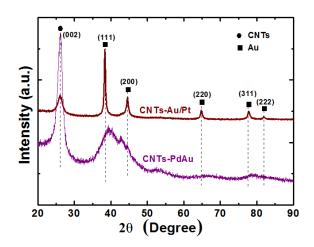


Fig. S2 XRD patterns of CNTs-Au/Pt NPs and Pd/Au NPs

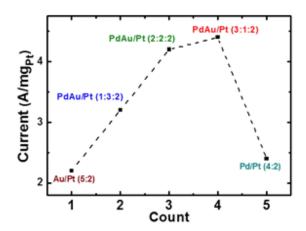


Fig. S3 Volcano plot between current and different kinds of CNTs-supported alloy catalysts