Surfactant-free fabrication of porous PdSn alloy networks by self-assembly as superior freestanding electrocatalysts for formic acid oxidation

Qian Qin, Jian Xie, Qizhi Dong, Gang Yu, Hong Chen

a State Key Laboratory of Chemo/Biosensing and Chemometrics, College of Chemistry and Chemical Engineering, Hunan University, Changsha 410082, PR China. E-mail: qzhdong67@163.com

b School of Materials Science and Energy Engineering, Foshan University, Guangdong, 528000, PR China. E-mail: chenhongcs@126.com

Fig. S1 XPS survey spectrum of the Pd2Sn1 networks

Fig. S2 A) The peak current density of extensive CVs versus cycle number and B) the peak current density of the first cycle and the 200th cycle of formic acid on Pd2Sn1 networks and Pd/C in 0.5 M H2SO4 and 0.5 M HCOOH at the scan rate of 50 mV s⁻¹.

References