Supplementary Information

Simple synthesis of bimetallic alloyed Pd-Au nanochain networks supported on reduced graphene oxide for enhanced oxygen reduction reaction

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Fig. S1. TEM images of Pd-Au NNs/RGO prepared without (A) and with (B) 50 mM caffeine.



Fig. S2. TEM images of Pd-Au NNs/RGO prepared with (A) 1 mM $PdCl_2 + 1 mM$ HAuCl₄, and (B) 7.5 mM $PdCl_2 + 7.5 mM$ HAuCl₄.



Fig. S3. TGA curves of Pd-Au NNs/RGO (curve a) and GO (curve b).



Fig. S4. CVs of Pd-Au NNs/RGO (curve a) and Pd black (curve b) modified electrodes in $0.5 \text{ M H}_2\text{SO}_4$ at a scan rate of 50 mV s⁻¹.