

Supporting information

Hierarchical wreath-like Au-Co(OH)₂ microclusters for water oxidation at neutral pH

Ye Zhang,^a Bai Cui,^c Zhaotong Qin,^a Hong Lin,^{*a} and Jianbao Li^{a,b}

^aState Key Laboratory of New Ceramics & Fine Processing, School of Materials Science and Engineering, Tsinghua University, Beijing 100084, P.R. China. Fax: Tel.: +86-10-6277-2672; Tel: +86-010-62772848;

E-mail: hong-lin@tsinghua.edu.cn

^bKey Laboratory of Ministry of Education for Advanced Materials in Tropical Island Resources, Hainan University, Haikou, China, 570228

^cDepartment of Materials Science and Engineering, University of Illinois at Urbana-Champaign, 1304 W. Green Street, Urbana, IL 61801, United States

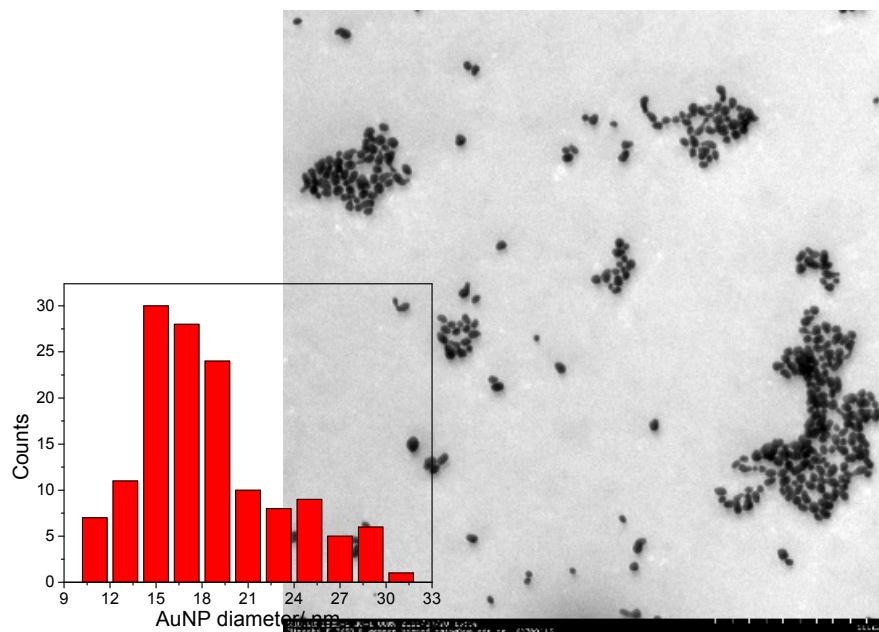


Figure S1. TEM image of the as-fabricated Au nanoparticles before hydrothermal synthesis. Inset: the corresponding particle size distribution histogram.

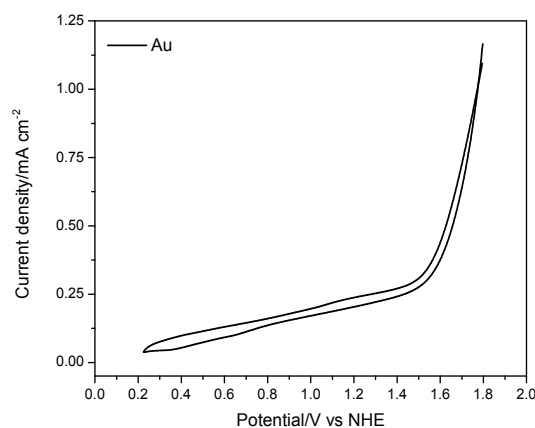


Figure S2. Cyclic voltammograms of Au thin film prepared by thermal evaporation measured in 0.1 M phosphate buffer electrolyte at pH 7.0.

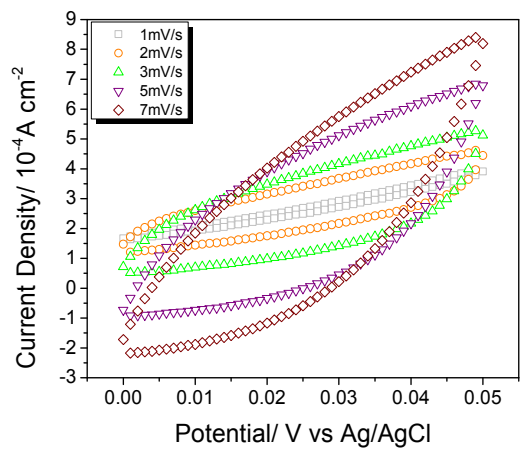


Figure S3. Cyclic voltammograms of Co(OH)_2 in the double-layer region with scan rates ranging from 1 to 7 mV s^{-1} .