Supporting Information

Growth of Au Nanowires at the Air/Water Interface

Zhichuan Xu, ^{‡†} Chengmin Shen, [‡] Shouheng Sun, *, [†] Hongjun Gao*[‡]

Beijing National Laboratory for Condensed Matter Physics, Institute of Physics, Chinese Academy of Sciences, Beijing, China 100080 and Department of Chemistry, Brown University, Providence RI 02912

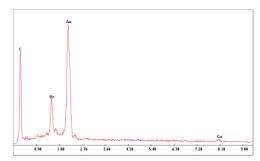


Figure S1. The EDX spectrum of as-synthesized Au nanowires. Br is from CTAB and Cu is from the TEM grid.

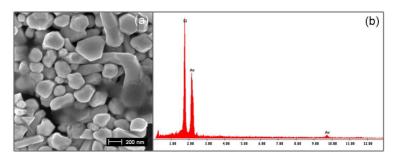


Figure S2. (a) SEM image and (b) EDX spectra of large sized Au nanoparticles in bulk solution. The sample was dried on a silicon wafer.

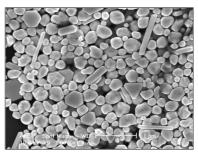


Figure S3. SEM image of large sized Au nanocrystals produced in bulk solution in the absence of Au islands for aging over 1 day.

1

^{*} Corresponding authors. E-mail: ssun@brown.edu; hjgao@aphy.iphy.ac.cn

Institute of Physics, Chinese Academy of Sciences.

[†]Brown University.