Electronic Supplementary Material (ESI) for Journal of Materials Chemistry

Supporting information

Enhanced Hydrogen Generation by Cocatalytic Ni and NiO Nanoparticles Loaded on Graphene Oxide Sheets

By Abiye Kebede Agegnehu[1], Chun-Jern Pan[1], John Rick[1], Jyh-Fu Lee[3], Wei-Nien Su[2], and Bing-Joe Hwang[1,3,*]

[1]NanoElectrochemistry Laboratory, Department of Chemical Engineering, National Taiwan University of Science and Technology, Taipei 106, Taiwan.

[2]NanoElectrochemistry Laboratory, Graduate Institute of Applied Science and Technology, National Taiwan University of Science and Technology, Taipei 106, Taiwan.

[3]National Synchrotron Radiation Research Center, Hsinchu 30076, Taiwan.

[*]Corresponding author: bjh@mail.ntust.edu.tw

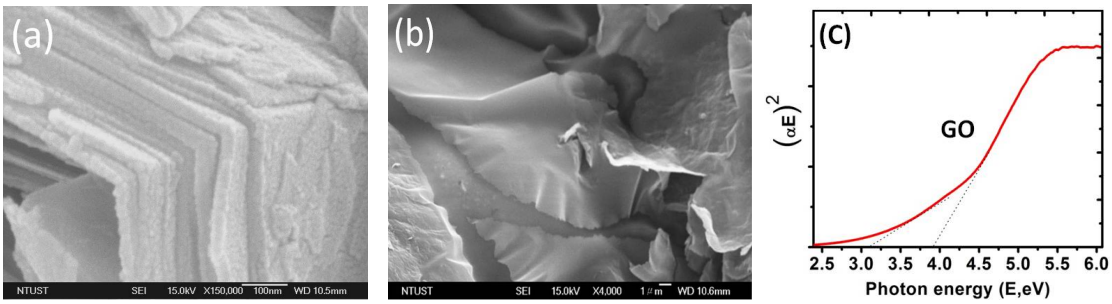

Fig. S1. SEM images of (a) layered structure of pristine graphite (PG) layers; (b) exfoliated GO flowers; (c) Plot of $(\alpha E)^2$ against photon energy E for GO.

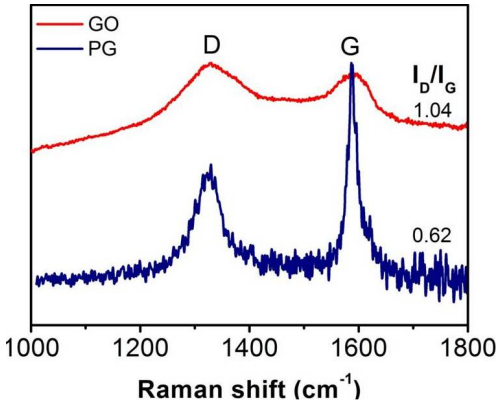

Fig. S2. Raman spectra of PG and GO