

Supporting information

Hybrid zinc oxide/graphene electrodes for depleted heterojunction colloidal quantum-dot solar cells

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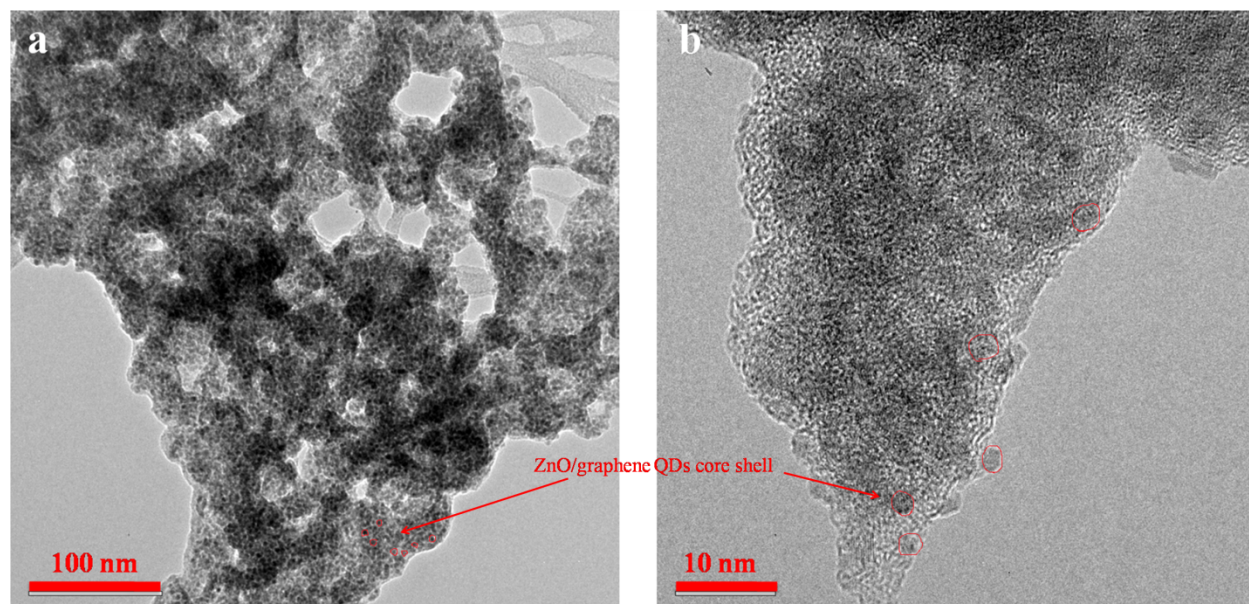


Figure S1 TEM images of hybrid ZnO/G QDs at two different magnifications.

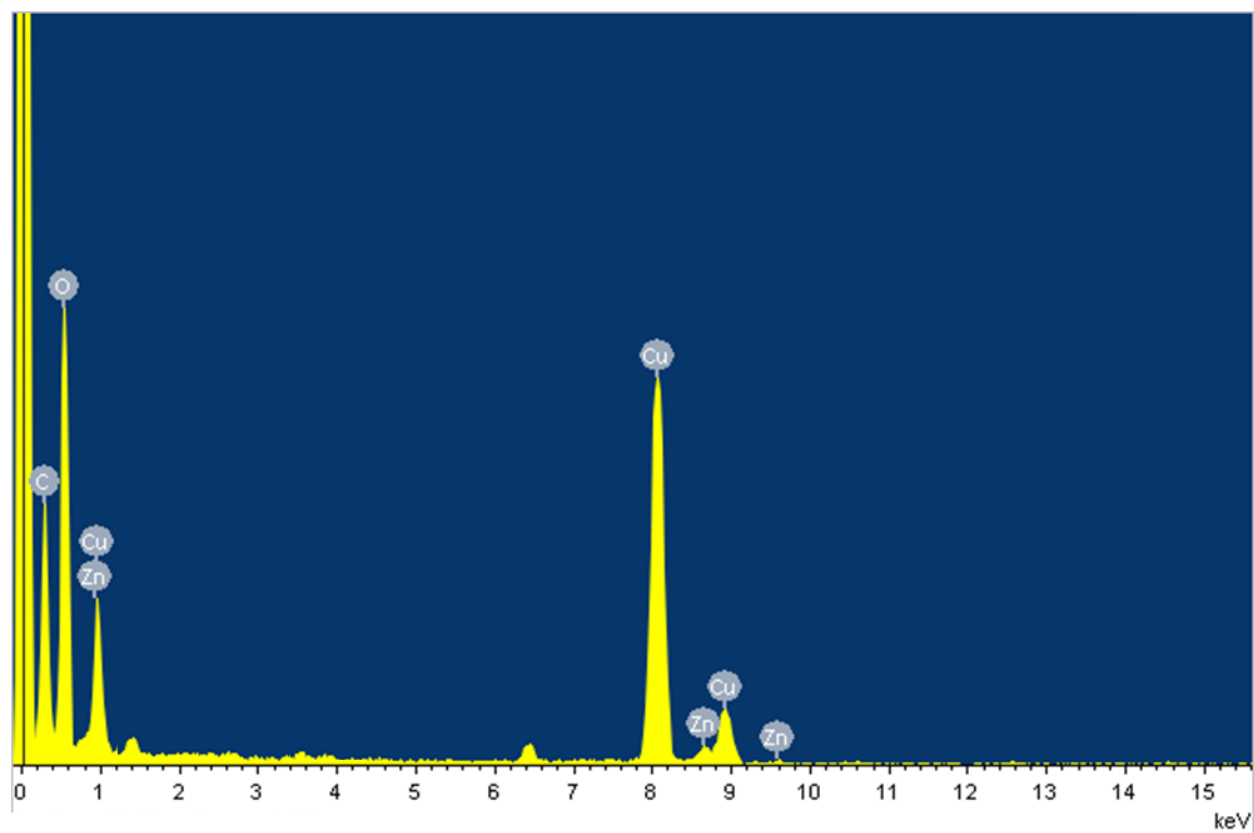


Figure S2 EDS analysis of (a) ZnO/G QDs under HRTEM. The characteristic peaks of Cu come from the utilized copper grids.

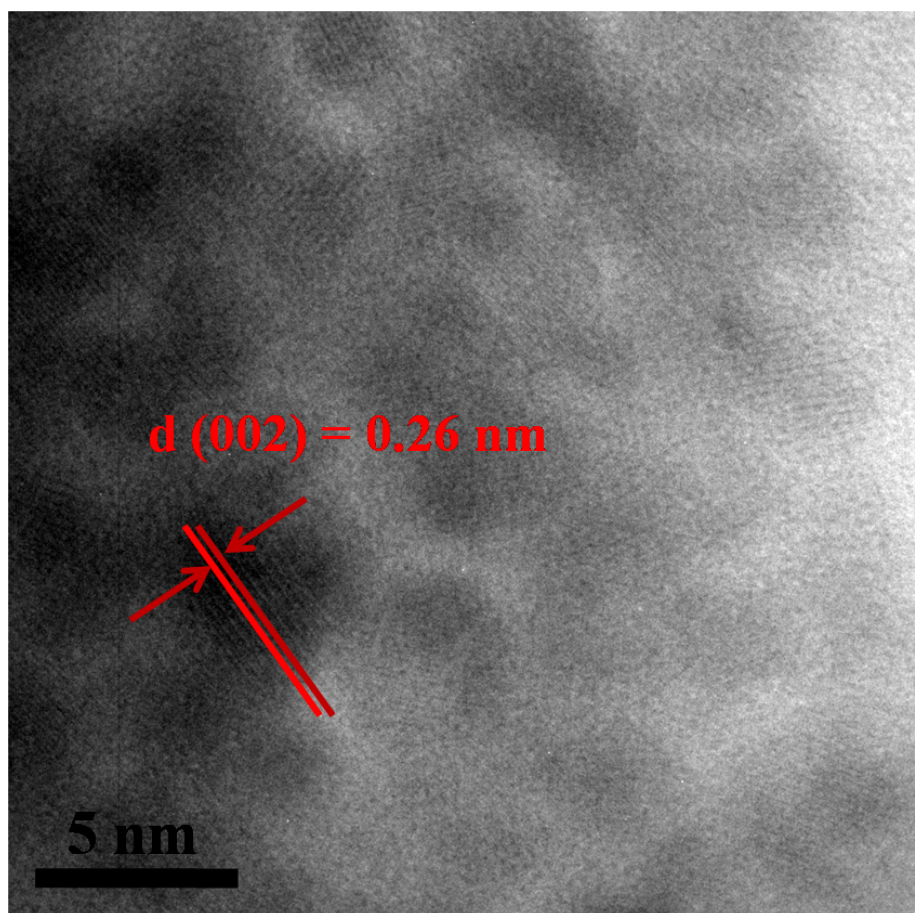


Figure S3: HRTEM image of ZnO QDs with an average size of 4 nm.

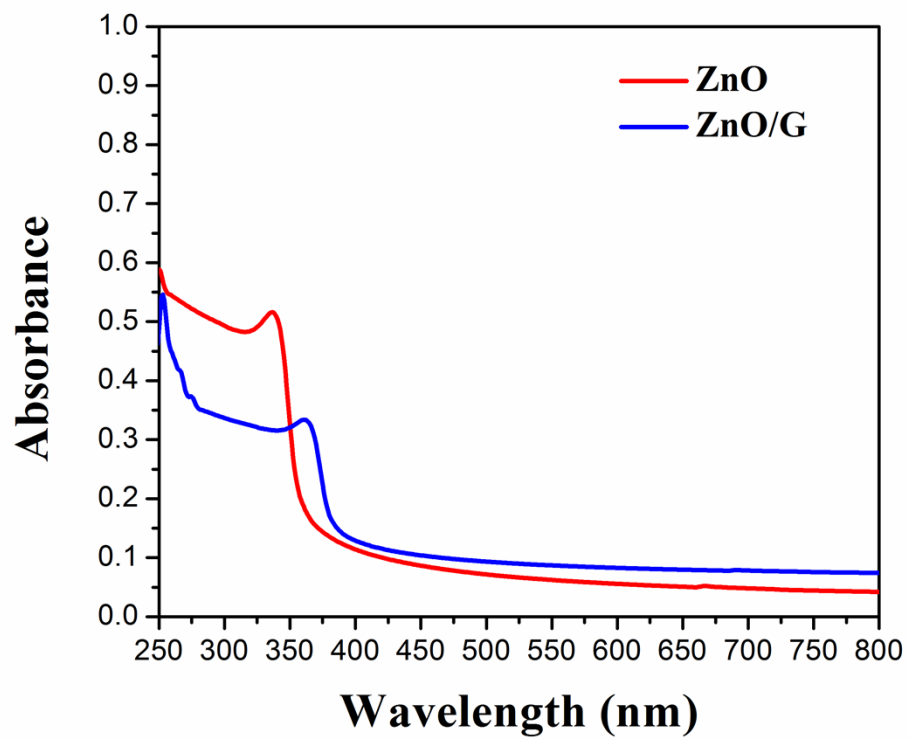


Figure S4 The absorbance spectra of ZnO and ZnO/G QDs.

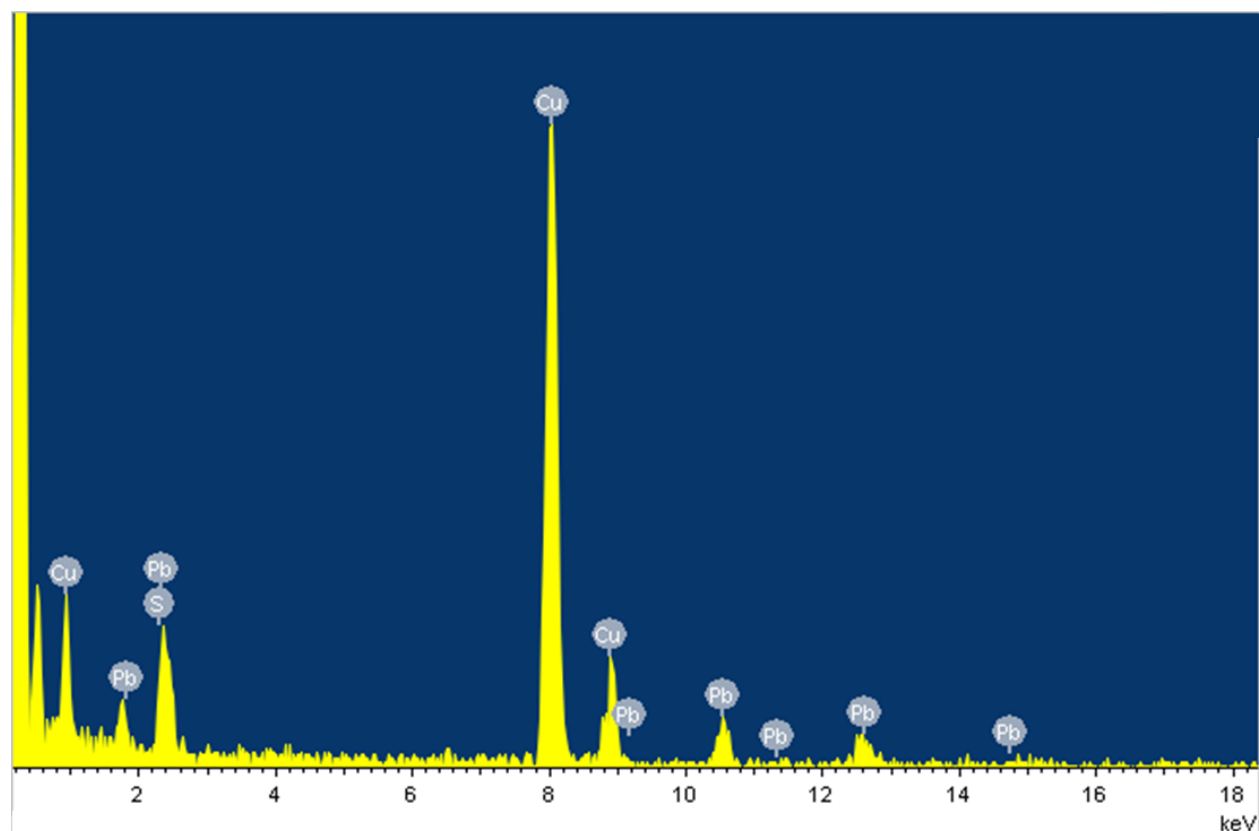


Figure S5 EDS analysis of PbS QDs under HRTEM. The characteristic peaks of Cu come from the utilized copper grids.

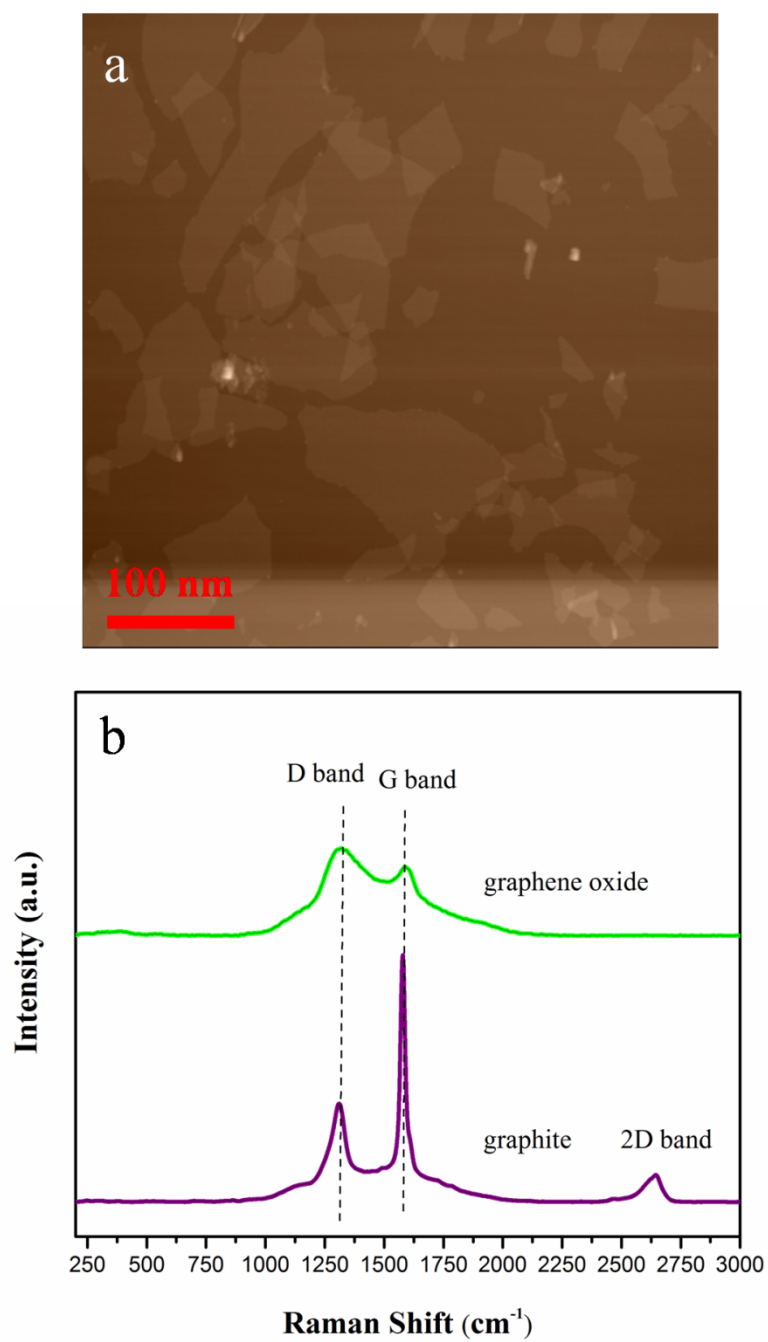


Figure S6 (a) AFM image of graphene oxide sheets and (b) Raman spectra of graphitic materials.