

Electronic Supplementary Information

Broadband Optical Limiting Response of Graphene-PbS Nanohybrid

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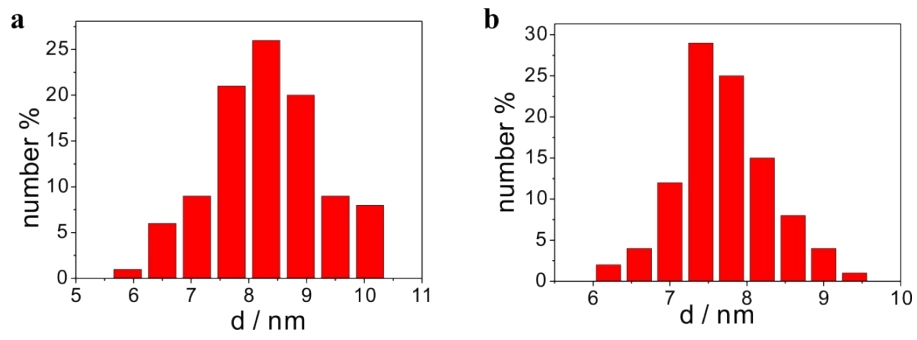


Figure S1. The size distribution diagrams of (a) PbS quantum dots grown in solution and (b) PbS QDs grown on rGO.

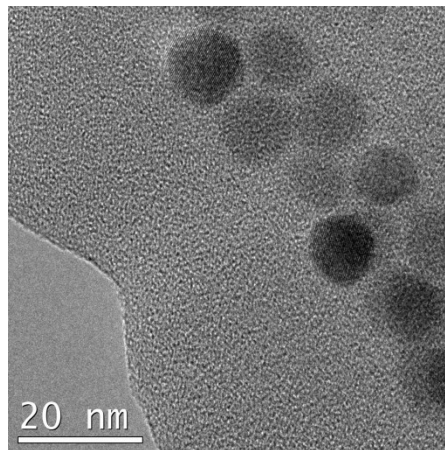


Figure S2. HRTEM image of rGO-PbS nanohybrid near the rGO edge.

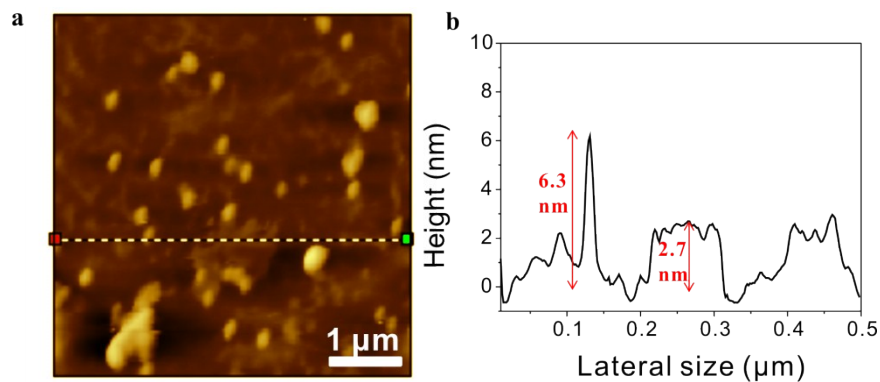


Figure S3. (a) AFM images and (b) height profiles of rGO-PbS nanohybrid.

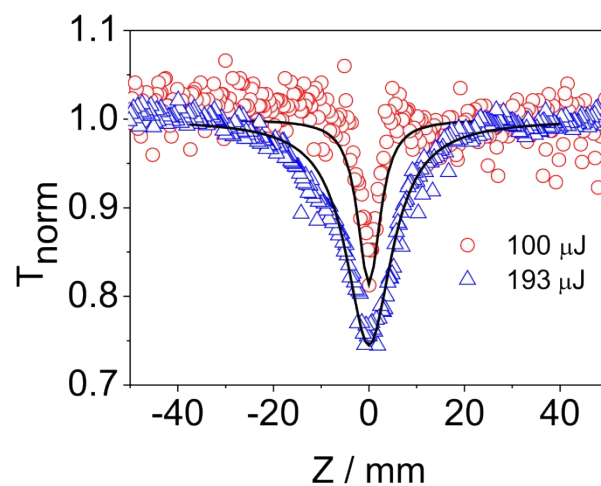


Figure S4. Open aperture Z-scan data (symbols) and theoretically fitted curves (solid curves) for a neat film of rGO-PbS in poly(methyl methacrylate) irradiated by 4 ns pulses at 1064 nm at different input laser power. The linear transmittance of the sample given by the F_{out}/F_{in} ratio in the limit of zero fluence is 0.85.