Facile Preparation of 2D Sandwich-Like CdS Nanoparticles/ Nitrogen-Doped Reduced Graphene Oxide Hybrid Nanosheets with Enhanced Photoelectrochemical Properties

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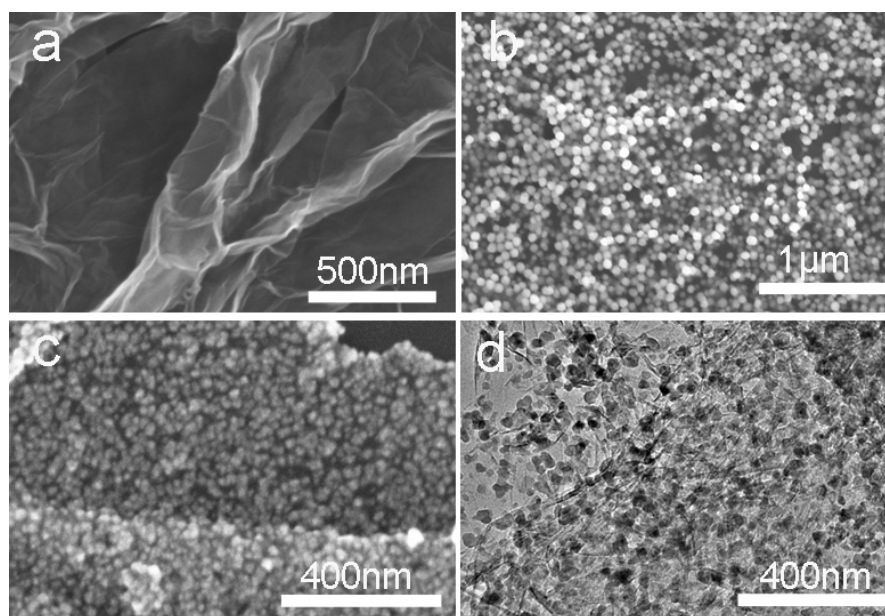
Fig. S1. SEM images of the as-prepared N-rGO Ns (a), pure CdS particles (b), and CdS/rGO HNs (c); (d) TEM image of the as-obtained CdS/rGO HNs.
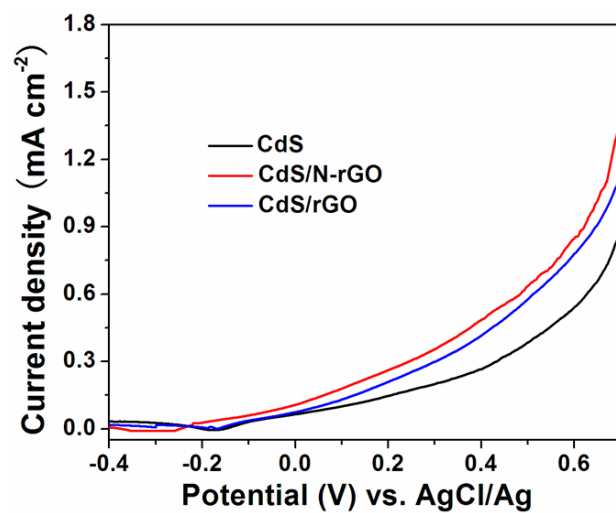
Fig. S2. Photocurrent density vs. applied potential curves for the pure CdS, CdS/rGO and CdS/N-rGO HNs electrodes in 0.1 M of PBS (pH=7.4).

Samples	S_{BET} (m^2/g)
CdS	9.43
CdS/rGO	17.33
CdS/N-rGO	15.76

Table S1. The BET surface area of the as-prepared CdS, CdS/rGO and CdS/N-rGO HNs.
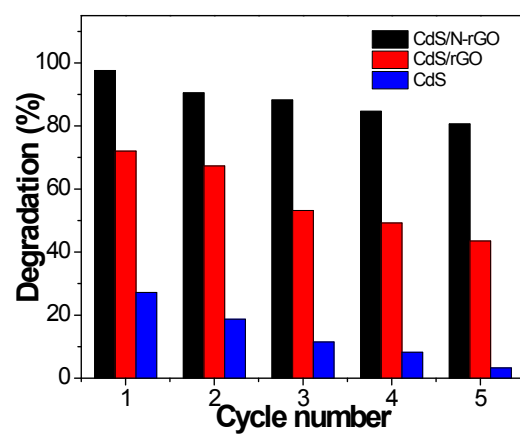
Fig. S3. 5 cycles of degradation of RhB using the as-prepared pure CdS, CdS/rGO and CdS/N-rGO HNs as the photocatalysts