Electronic Supplementary Material (ESI) for RSC Advances.

Electronic Supplementary Information

Rational construction of CdS/reduced graphene oxide/TiO_2 core-shell nanostructure as an all-solid-state Z-scheme system for CO_2 photoreduction into solar fuels

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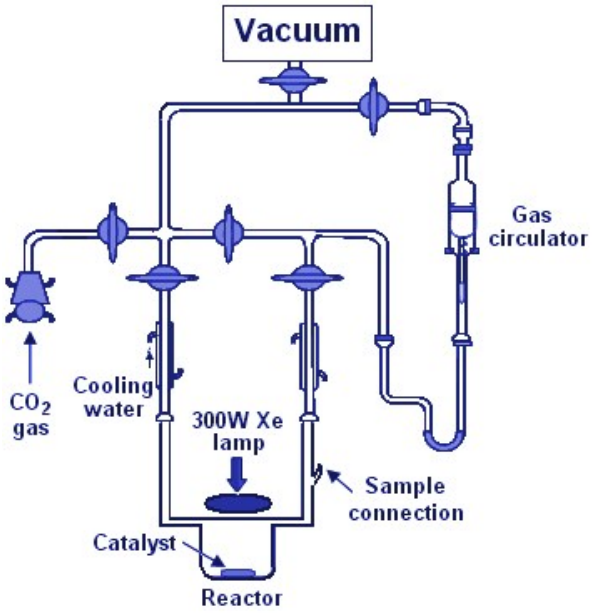

Fig. S1 Reaction setup for evaluation of conversion rate of CO_2

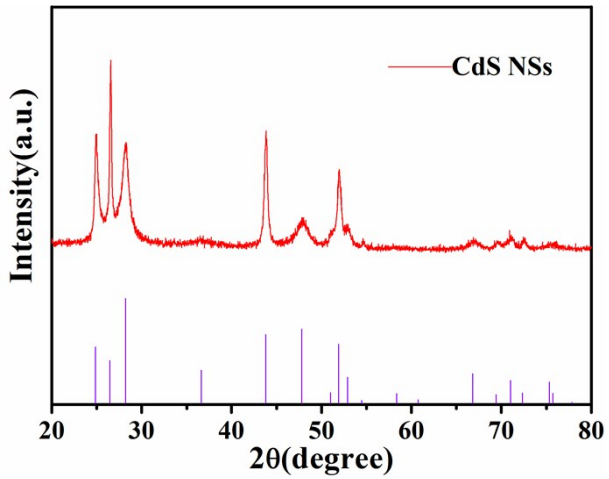

Fig. S2 XRD diffraction pattern of the pristine CdS NSs

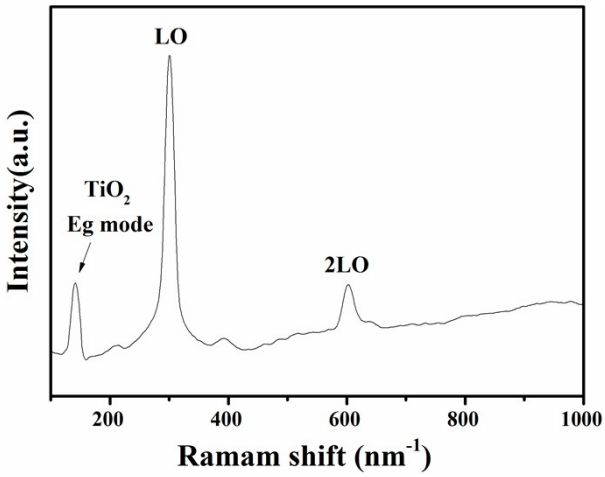

Fig. S3 Raman spectra (532 nm laser excitation wavelength) of CdS NSs/rGO/TiO_2

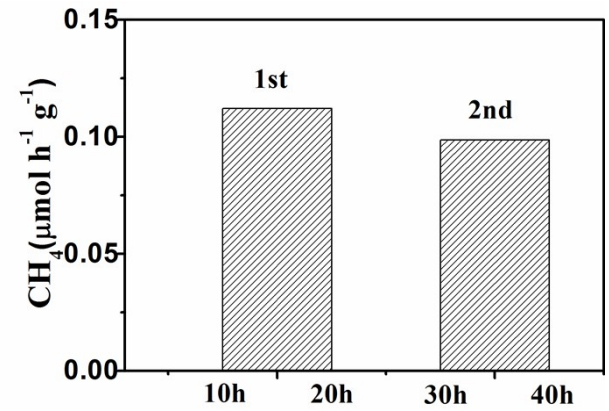

Fig. S4 Recycling photocatalytic reduction of CO_2 on the same CdS NSs/rGO/TiO_2 catalyst.

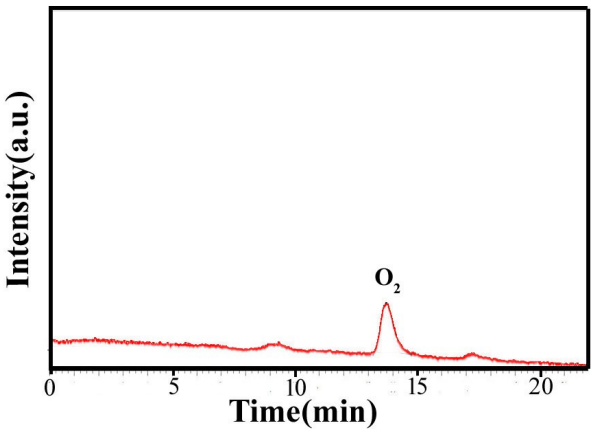

Fig. S5 GC spectra for the generation of O_2 after 10 h.