

Supporting Information

for

CdSe nanorod/TiO₂ nanoparticle heterojunctions

with enhanced solar- and visible-light photocatalytic

activity

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Additional figures

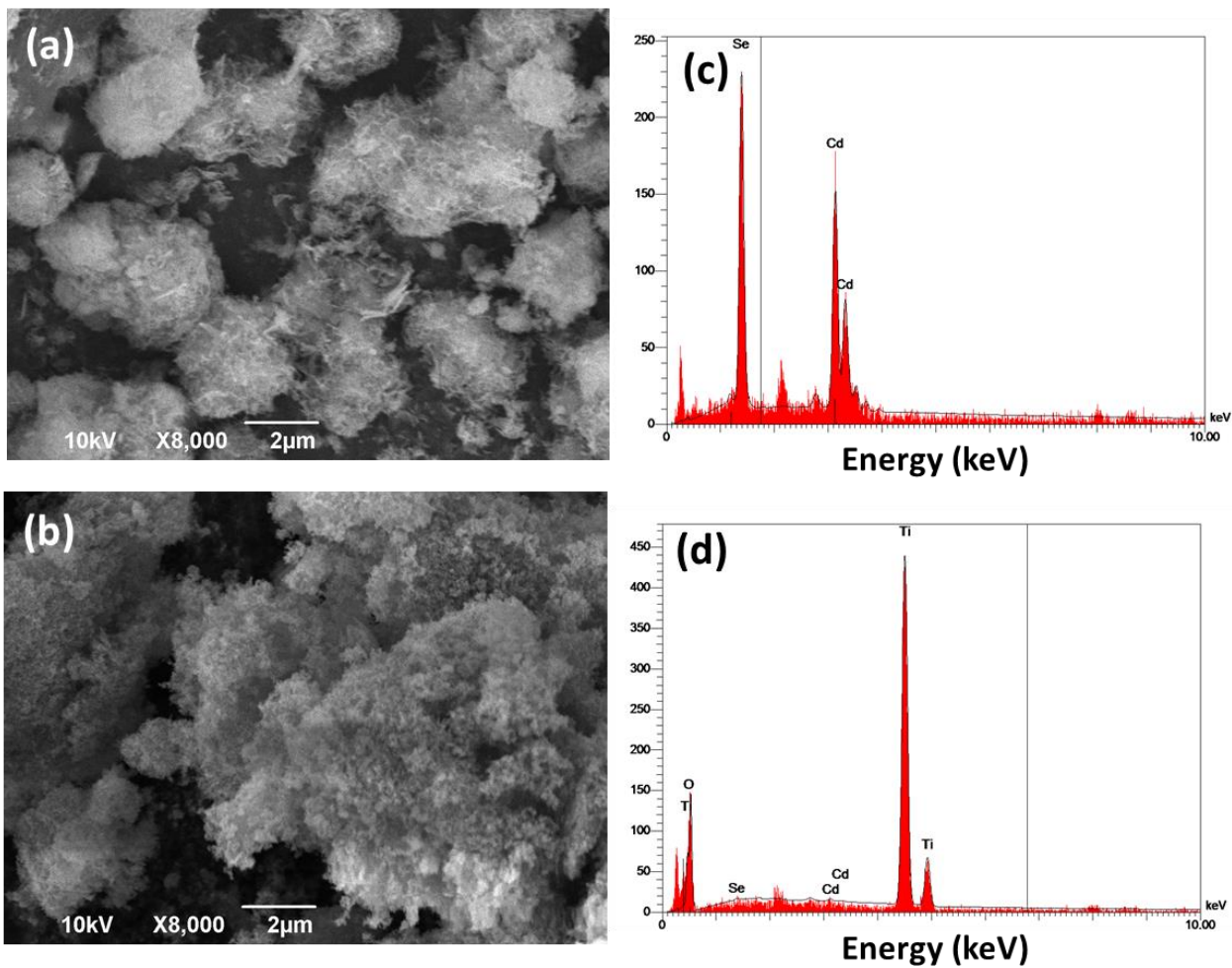


Figure S1: SEM images of (a) CdSe NRs and (b) CdSe (2%)/TiO₂ particles. (c) and (d) are the associated EDX analyses.

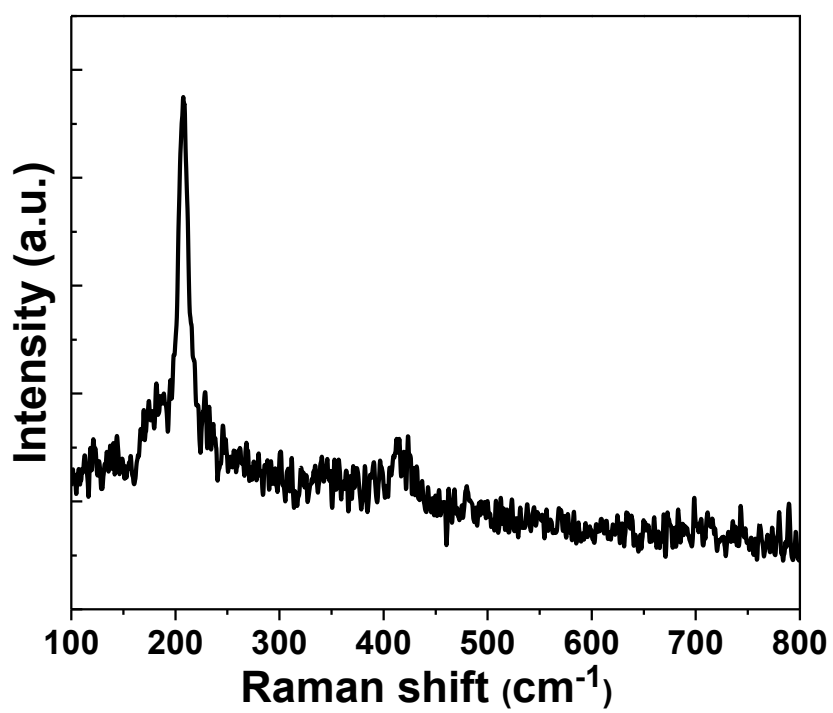


Figure S2: Raman spectrum of CdSe NRs.

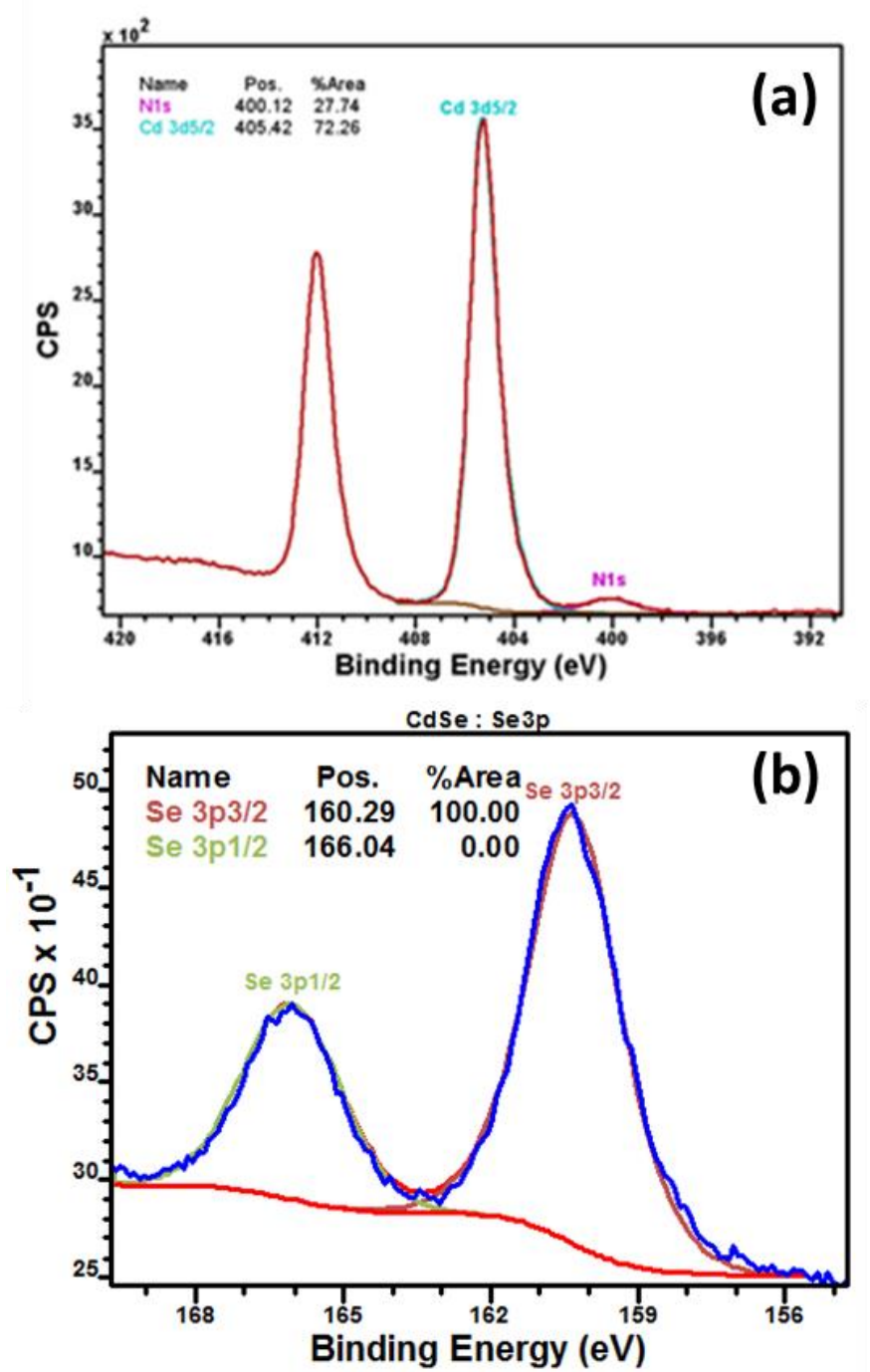


Figure S3: High resolution XPS spectra of (a) Cd 3d_{5/2}, (b) Se 3p recorded for CdSe NRs.

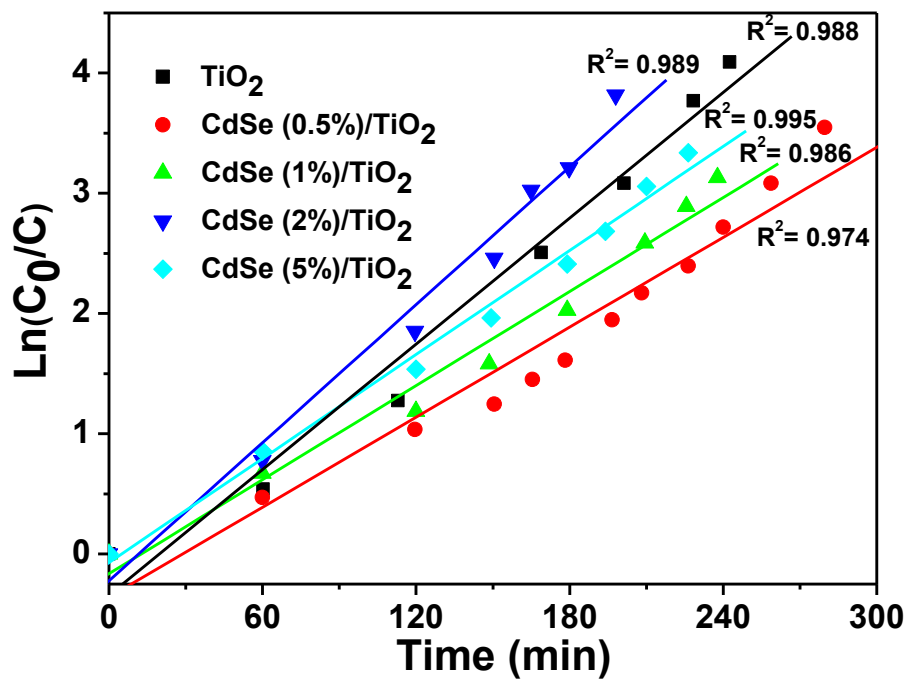


Figure S4: Pseudo first-order kinetics of RhB degradation using TiO₂ and CdSe/TiO₂ composites.

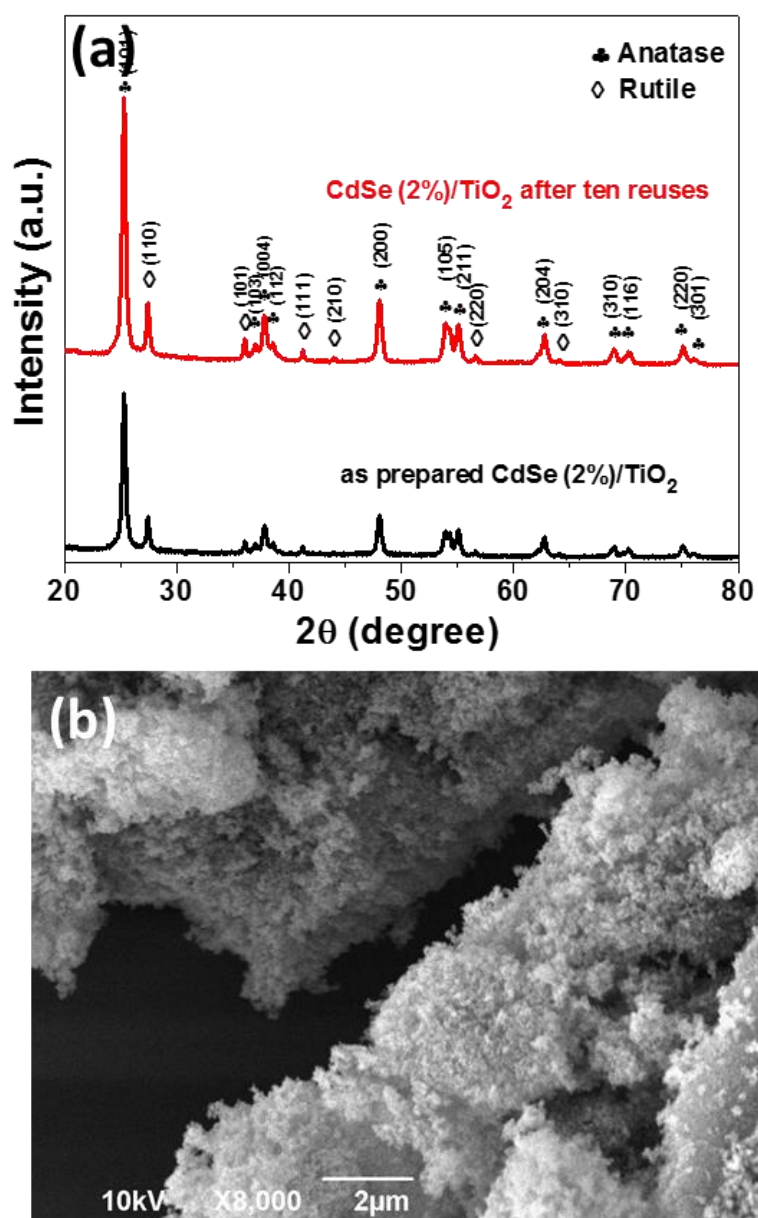


Figure S5: (a) XRD patterns of the CdSe (2%)/TiO₂ photocatalyst after synthesis and after ten reuses. (b) SEM image of the CdSe (2%)/TiO₂ photocatalyst after ten reuses.