Supporting Information

Branched TiO_2 Nanoarrays Sensitized with CdS Quantum Dots for Highly Efficient Photoelectrochemical Water Splitting

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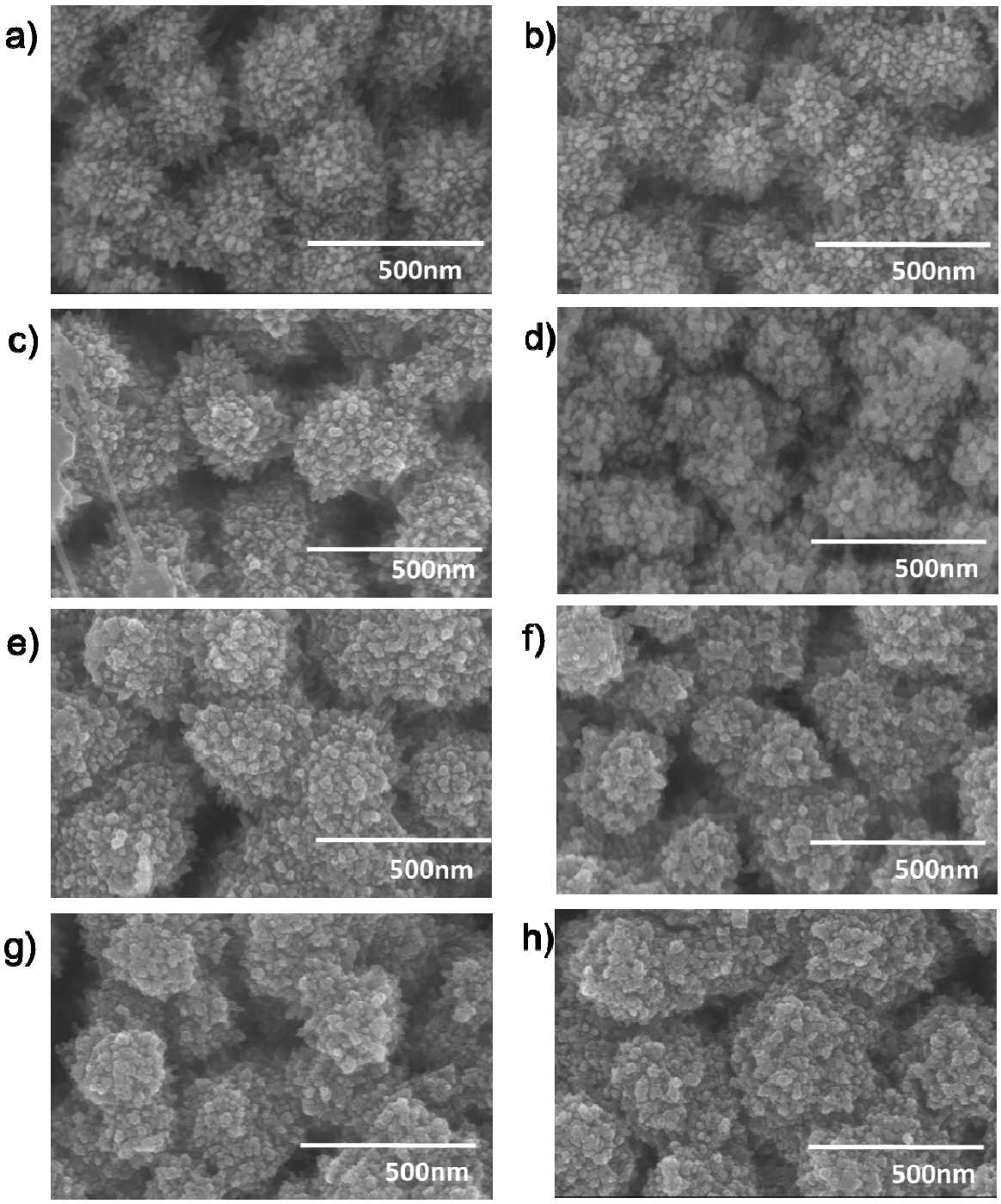

Figure S1. FESEM images of CdS/TiO_2 B-NRs : a)-h) TiO_2 B-NRs sensitized by CdS with different S-CBD cycles(0, 1, 3, 5, 7, 9, 11, 13).

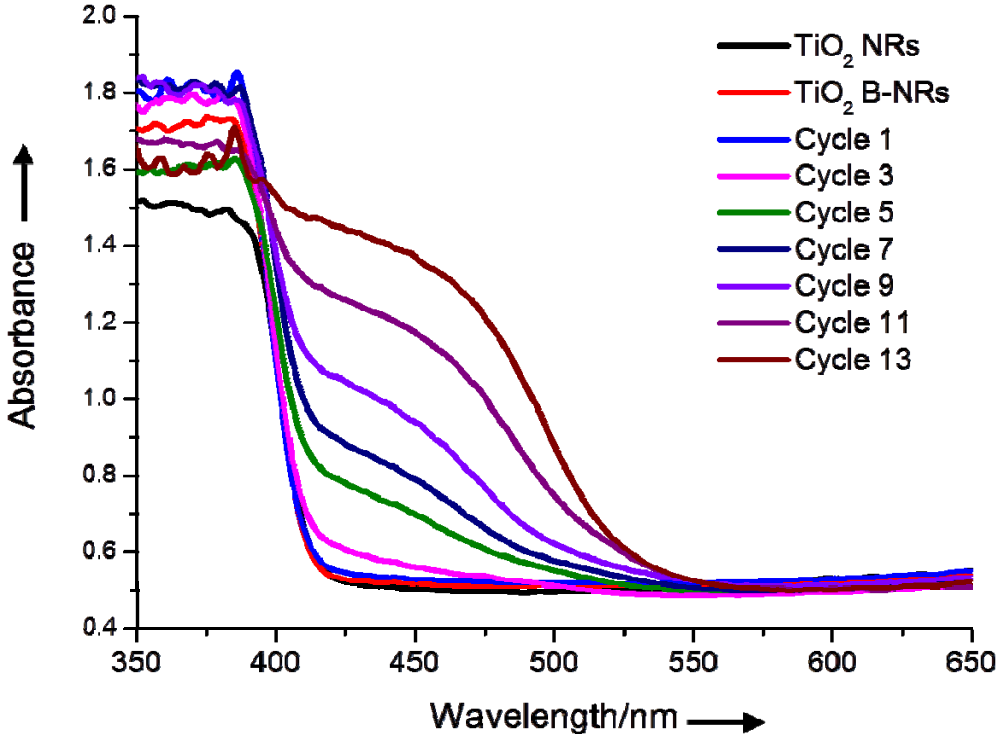

Figure S2. UV-Vis absorption spectra of TiO_2 NRs and CdS/TiO_2 B-NRs (different S-CBD cycles).

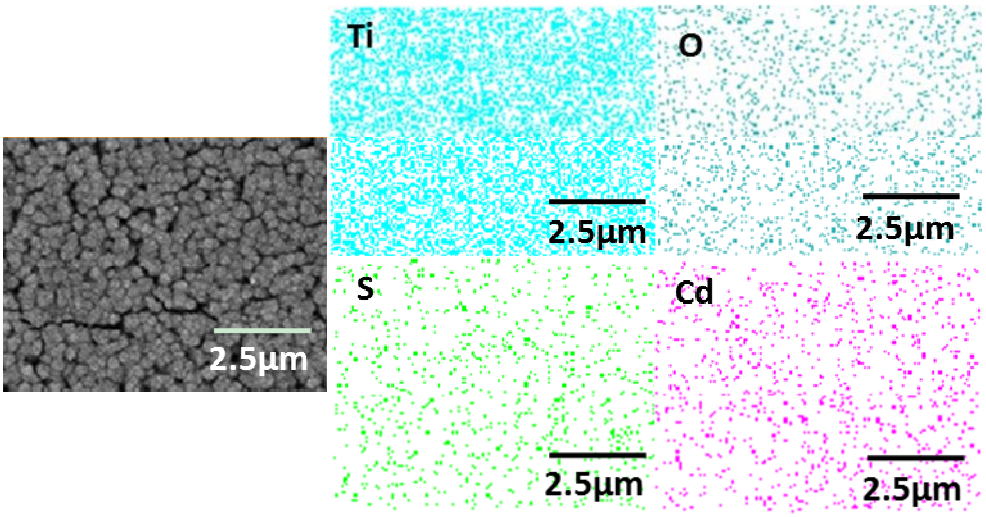

Figure S3. Element maping image of Ti, Cd, O and S.

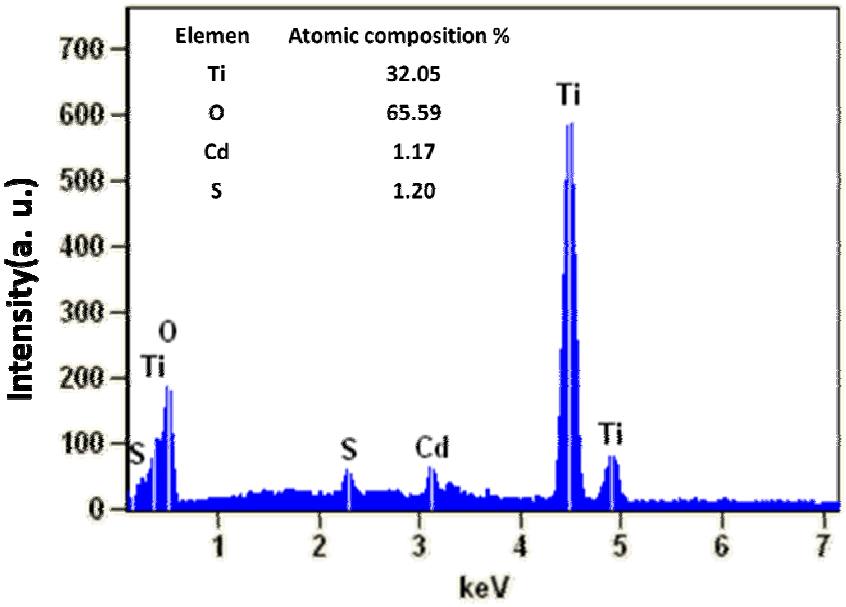

Figure S4. Energy dispersive X-ray spectroscopy (EDS) spectra of CdS/TiO_2 B-NRs.