catalysts

MDPI

Supporting information

Synthesis of Highly Efficient (0D/1D) Z-scheme CdS-NPs@ZnO-NRs Visible-light-driven Photo(electro)catalyst for PEC Oxygen Evolution Reaction and Removal of Tetracycline

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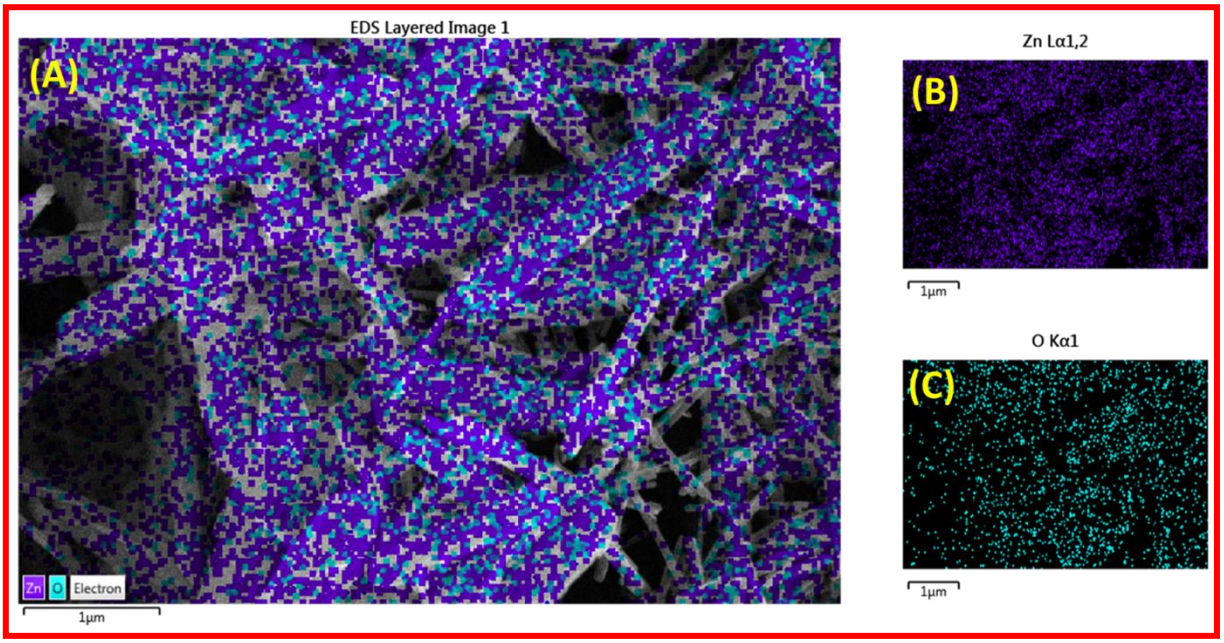

Figure S1. Elemental mapping image of overall ZnO-NRs (A), Zn (B), and O (C).

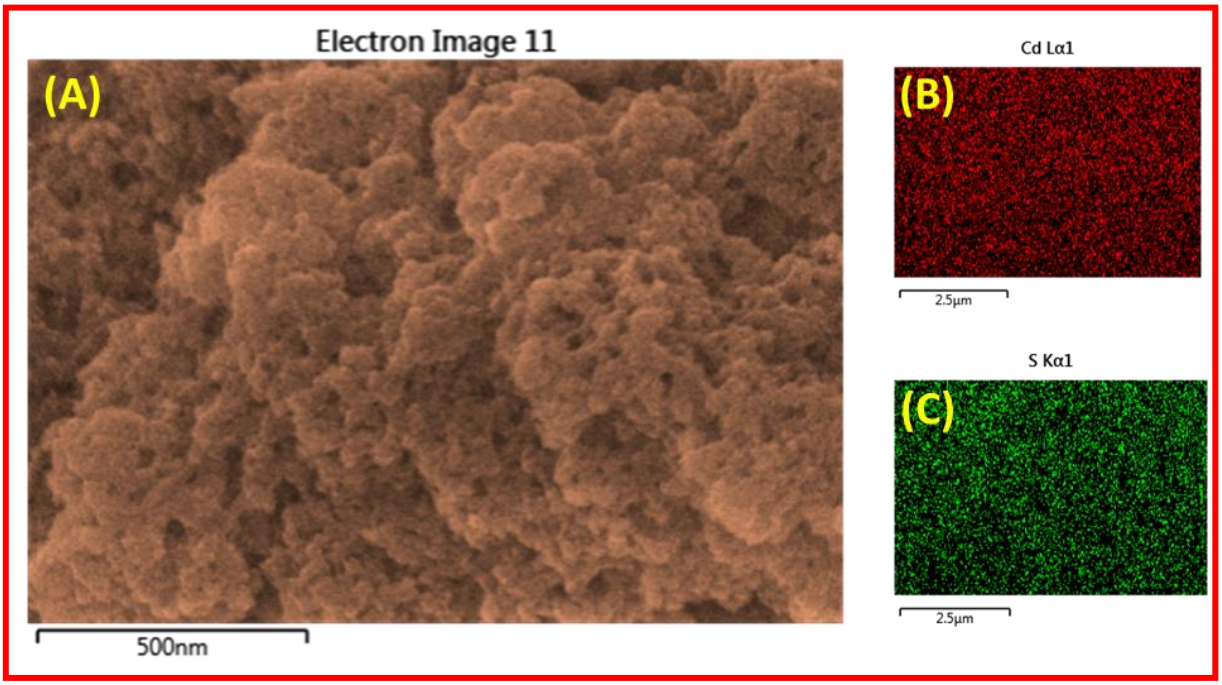

Figure S2. Elemental mapping image of overall CdS-NPs (A), Cd (B), and S (C).

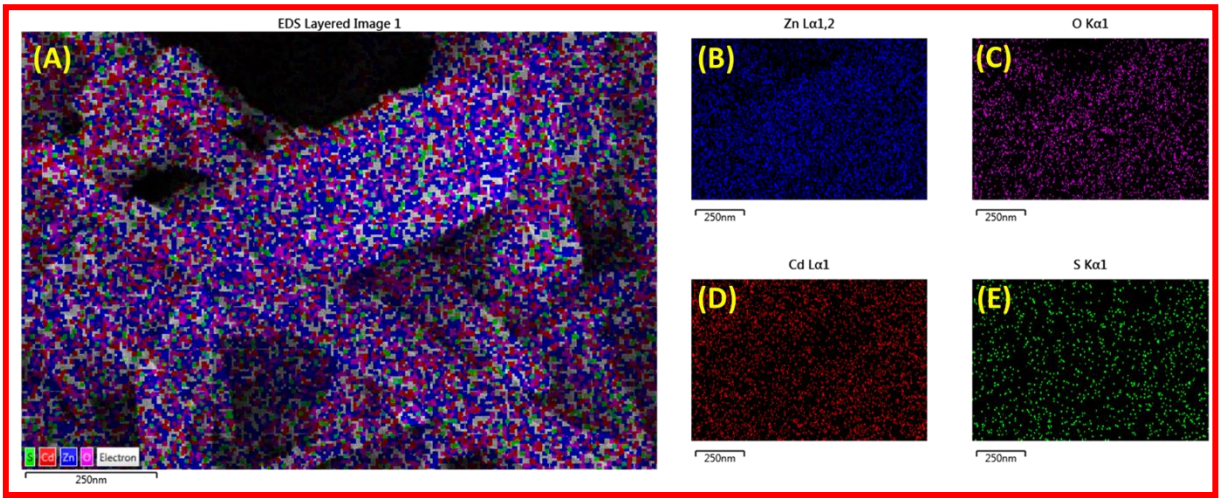

Figure S3. Elemental mapping image of overall CdS-NPs@ZnO-NRs (A), Zn (B), O (C), Cd (D), and S (E).

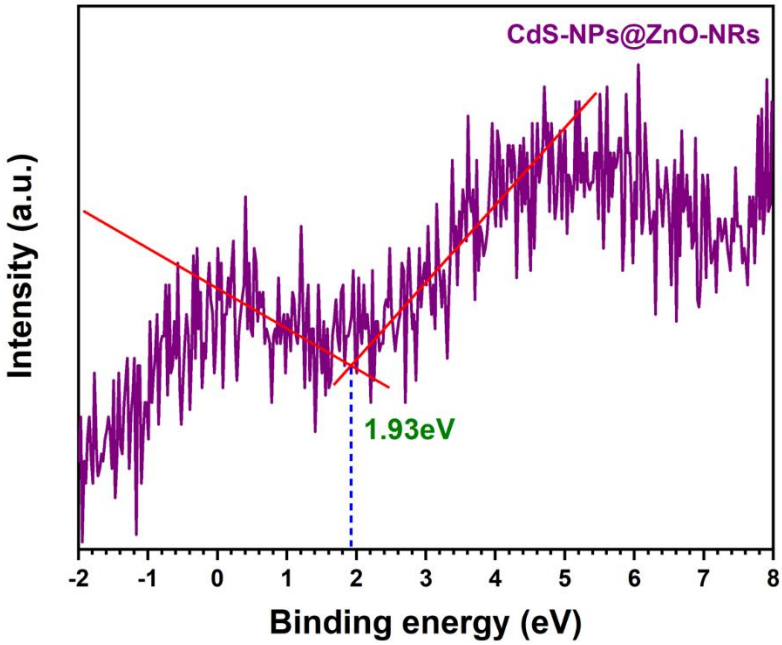

Figure S4. Valance band X-ray photoelectron spectrum (VB-XPS) of CdS-NPs@ZnO-NRs.

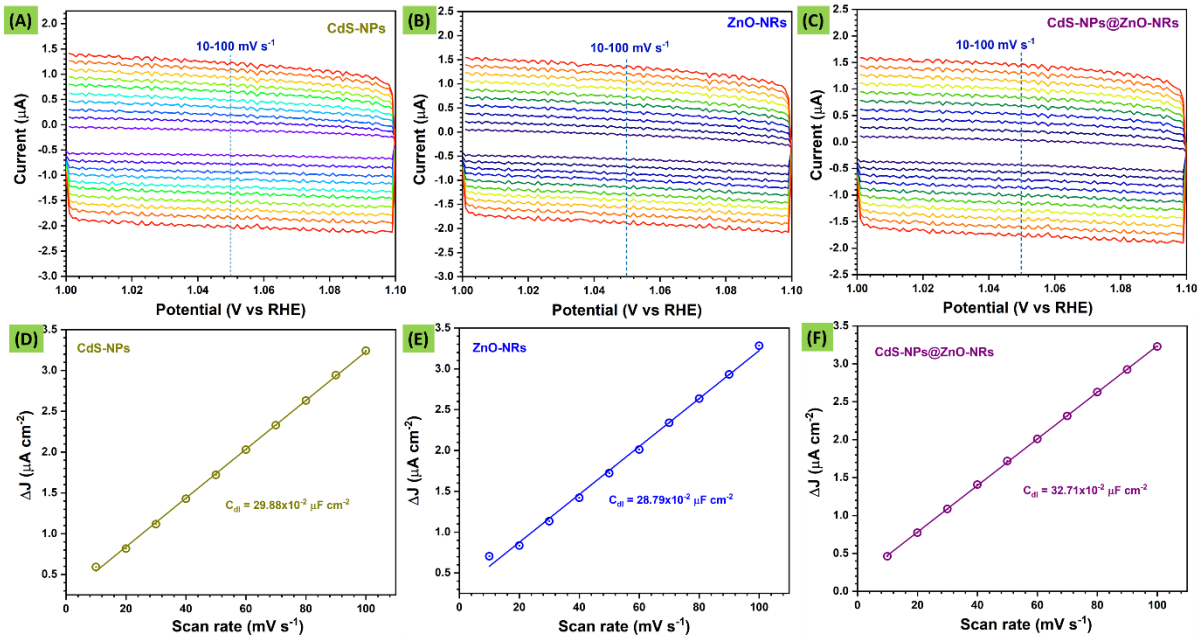

Figure S5. Electrochemical active surface area (ECSA) and electrochemical double layer capacitance (C_{dl}) of CdS-NPs (A, D), and ZnO-NRs (B, E), and CdS-NPs@ZnO-NRs (C, F).