Cuprous Sulfide Counter Electrodes Prepared by Ion Exchange for High-Efficiency Quantum Dot-sensitized Solar Cells

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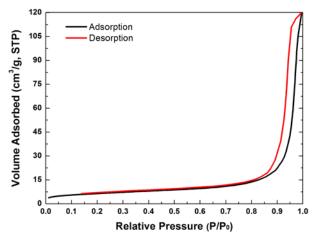


Figure S1. N₂ sorption isotherms of the ITO powder

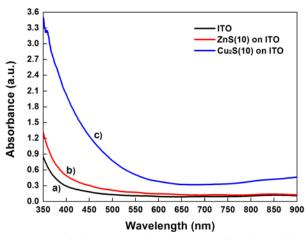


Figure S2. Absorbance spectra of a bare ITO electrode (a) after depositing 10 cycles of ZnS (b) and subsequently subjected to ion exchanging for 10 min to form cuprous sulfide (c).

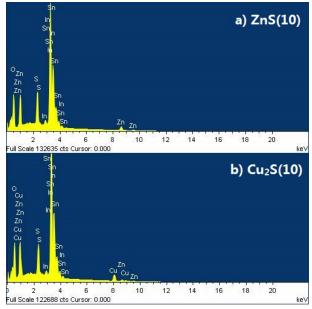


Figure S3. EDX spectra of a bare ITO electrode after depositing 10 cycles of ZnS (a) and subsequently subjected to ion exchanging for 10 min to form cuprous sulfide (b).

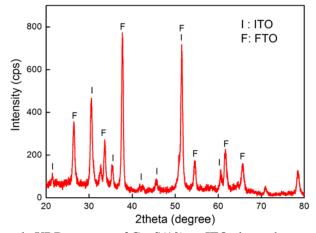


Figure S4. Glancing angle XRD patterns of $\text{Cu}_2\text{S}(10)$ on ITO electrodes.