

Supplementary materials

Spray Coated Colloidal Quantum Dot Films for Broadband Photodetectors

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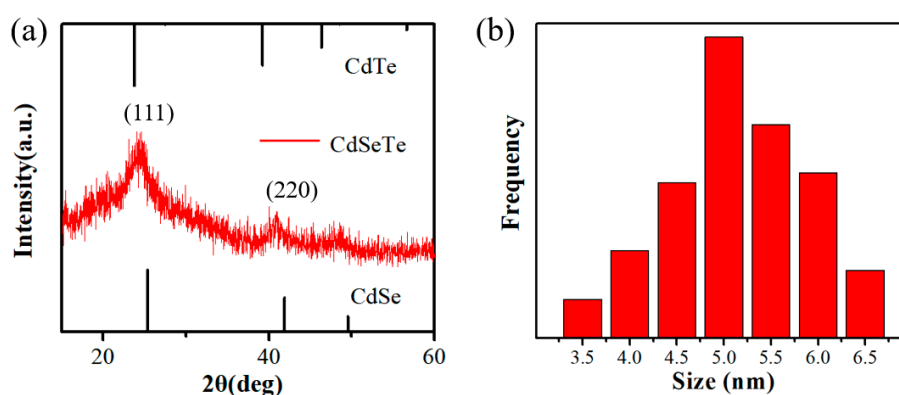


Figure S1. (a) XRD pattern and (b) size distribution histogram of CdSeTe QDs.

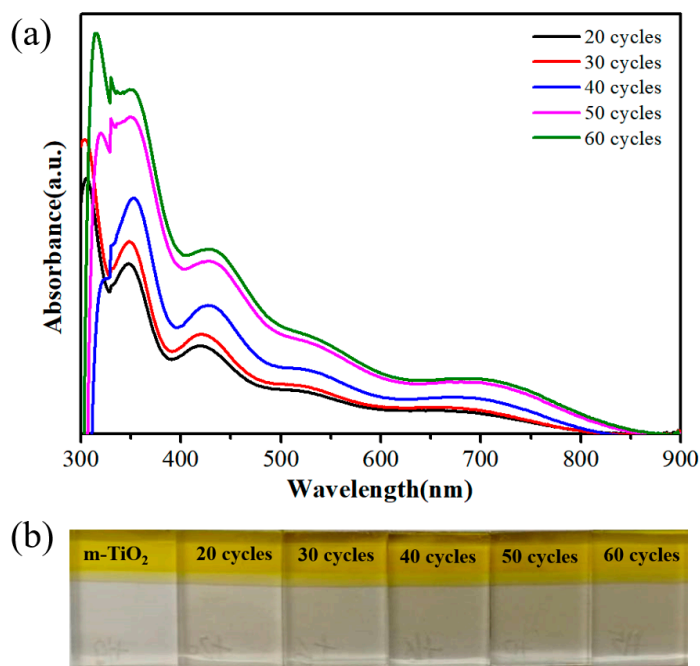


Figure S2. (a) The UV-vis absorption spectrum and (b) photograph of QDs films fabricated by spray coating with different deposition cycles.

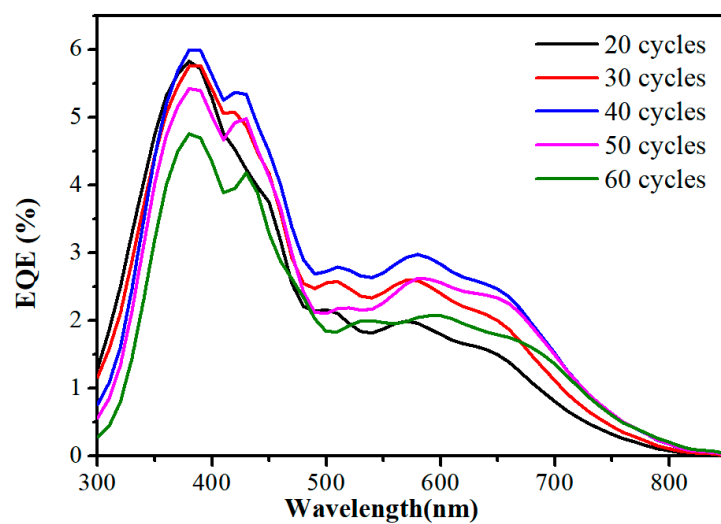


Figure S3. External quantum efficiency (EQE) spectra of photodetectors with different spray coating cycles.

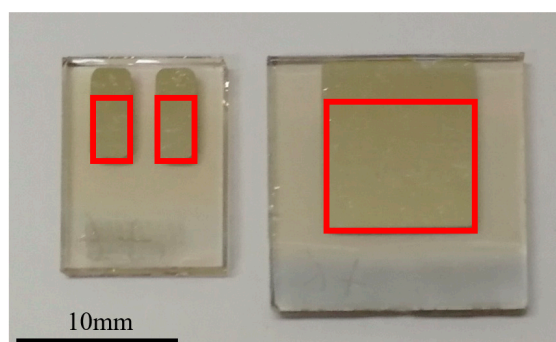


Figure S4. Contrast photograph of different sizes of photodetectors (the area circled in red is the active area).

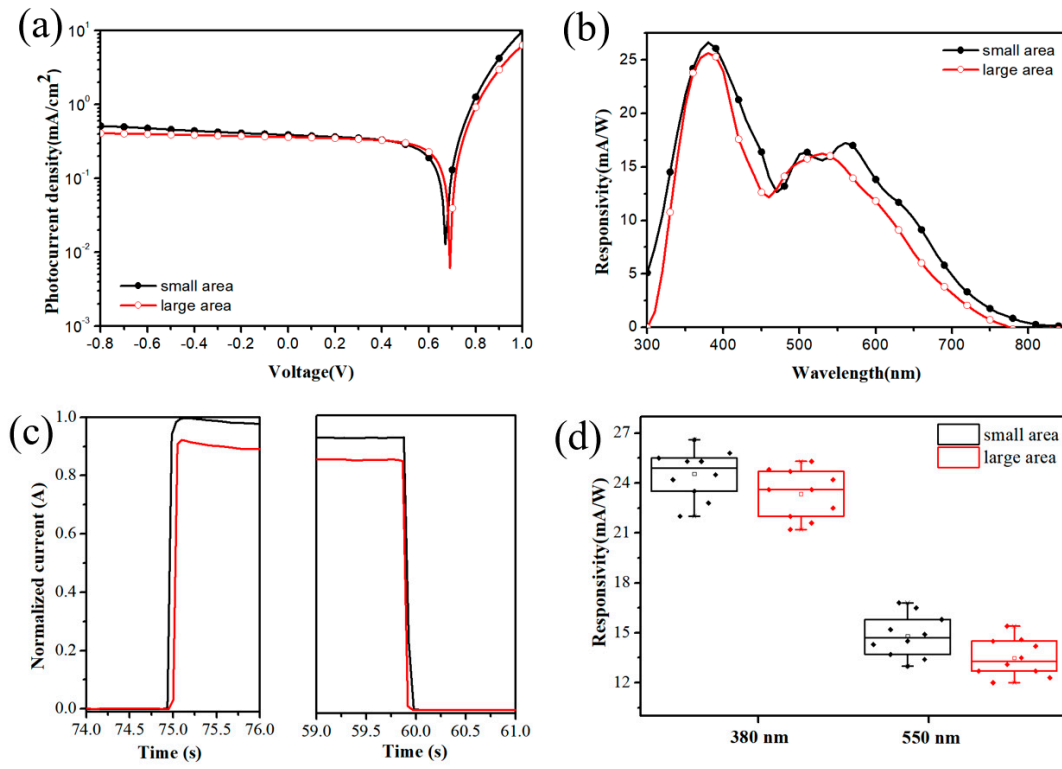


Figure S5. Current density-voltage curves of devices under light conditions. (b) The spectroscopic response of the devices of different sizes. (c) The normalized current of rise and decay time of different-size devices. (d) Statistical responsivity distribution for the different-size detectors at the wavelength of 380 nm and 550 nm.