

Supplementary Information for

Bandgap engineered monodisperse and stable mercury telluride quantum dot and their application for near-infrared photodetection

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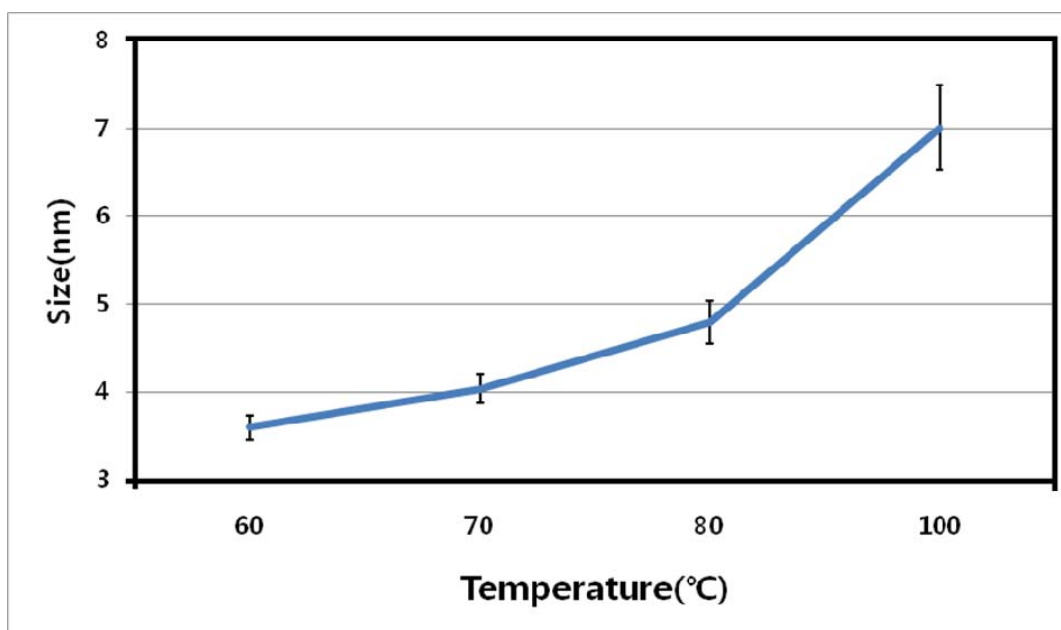


Figure S1. Standard deviations with error bar of HgTe

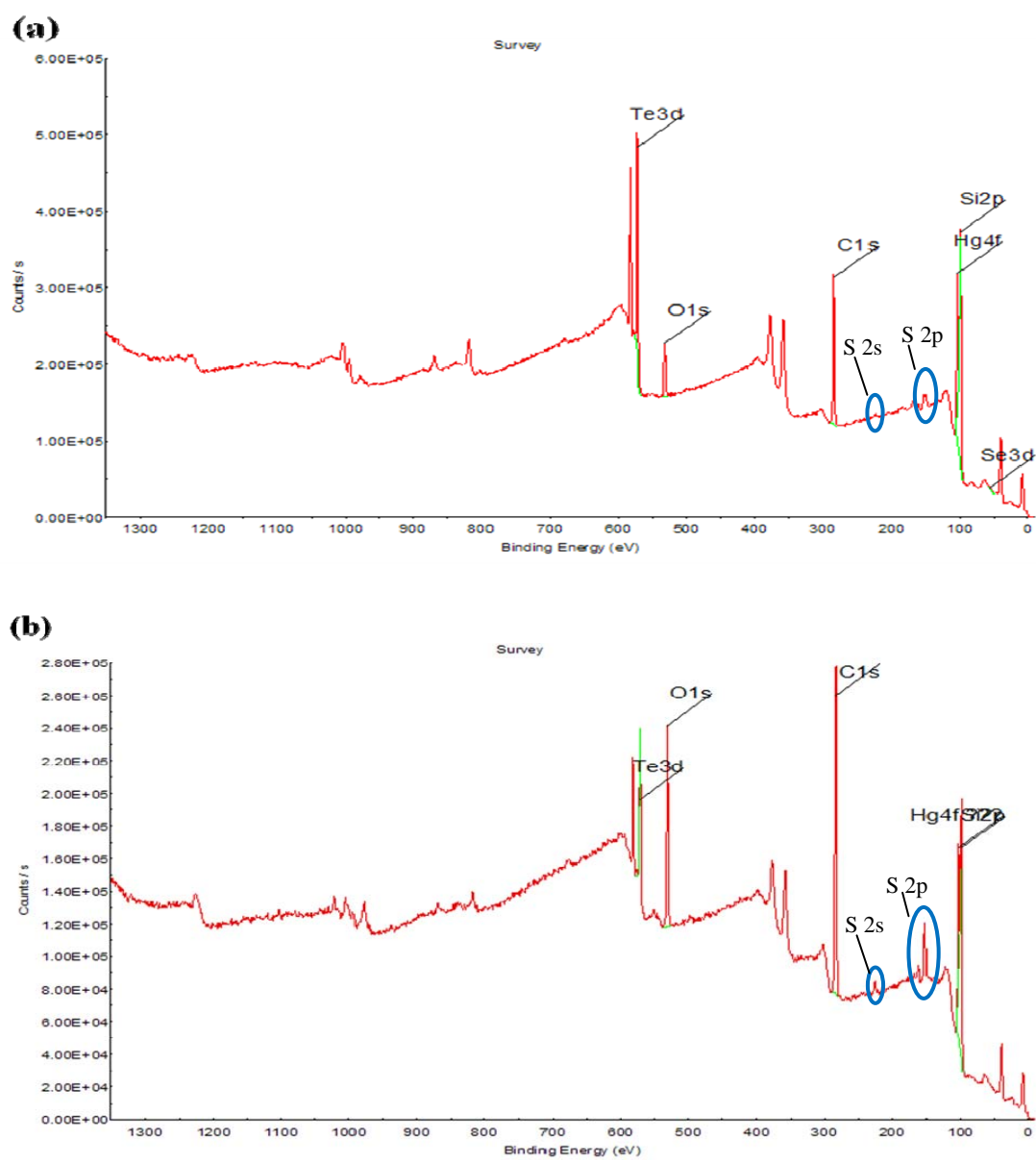


Figure S2 (a) XPS spectra of HgTe QDs with thiol : amine ratio of 0.05:0.9 (b) XPS spectra of HgTe QDs with thiol : amine ratio of 1:1

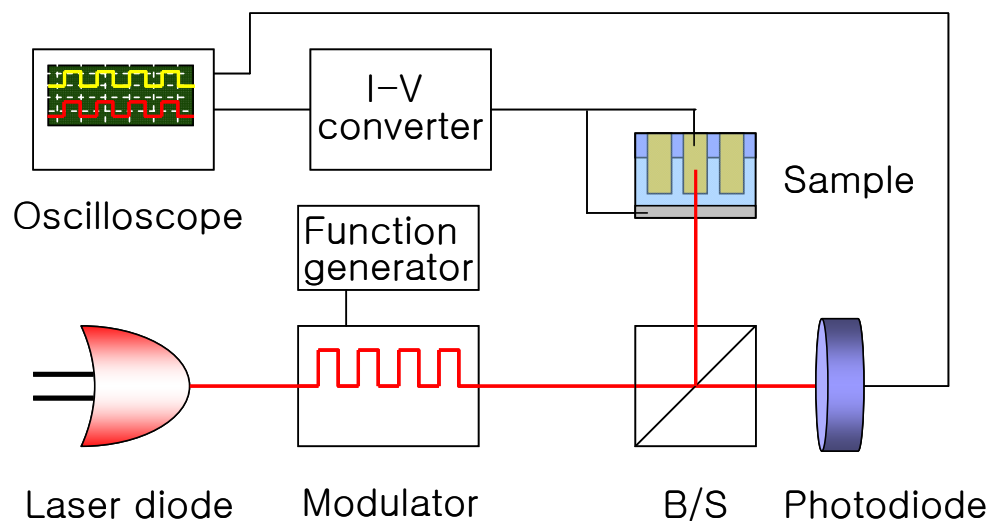


Figure S3. Schematic illustration of transient response time measurement set-up.

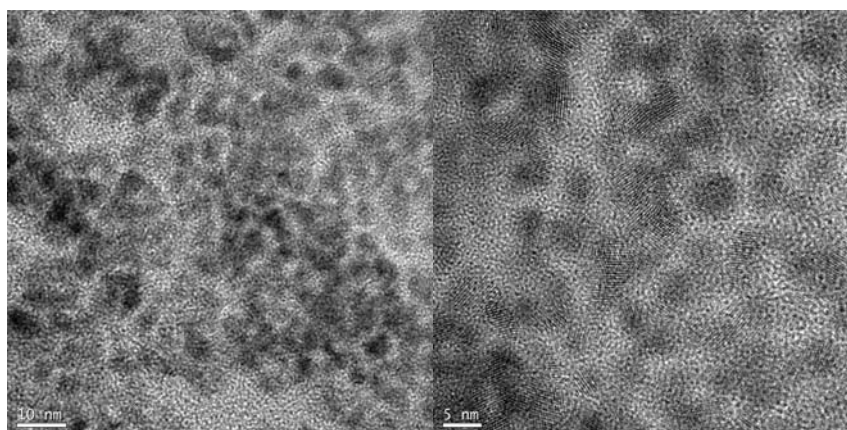


Figure S4. TEM and HR-TEM image of HgTe after 80°C aging in Fig. 2(c)