

Supporting information for

Hierarchical Self-assembly of CdTe Quantum Dots into Hyperbranched Nanobundles : Suppression of Biexciton Auger Recombination

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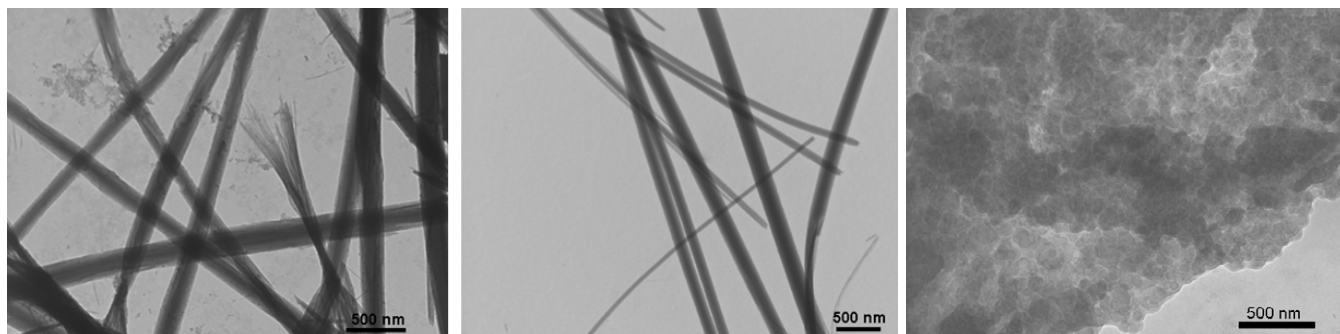


Fig.S1. TEM image of CdTe transitional structure. Nanowires (NWs) were obtained under 40°C (left), 80 °C (middle) and 100°C (right) incubation respectively. As indicated in the figures, the shape of NWs is much more regular under 80°C than 40 °C within the same incubation time. While aggregation occurent under 100°C incubation. Thus, we fixed the experimental temperature at 80°C in order to get the uniform NWs in a relative short time.

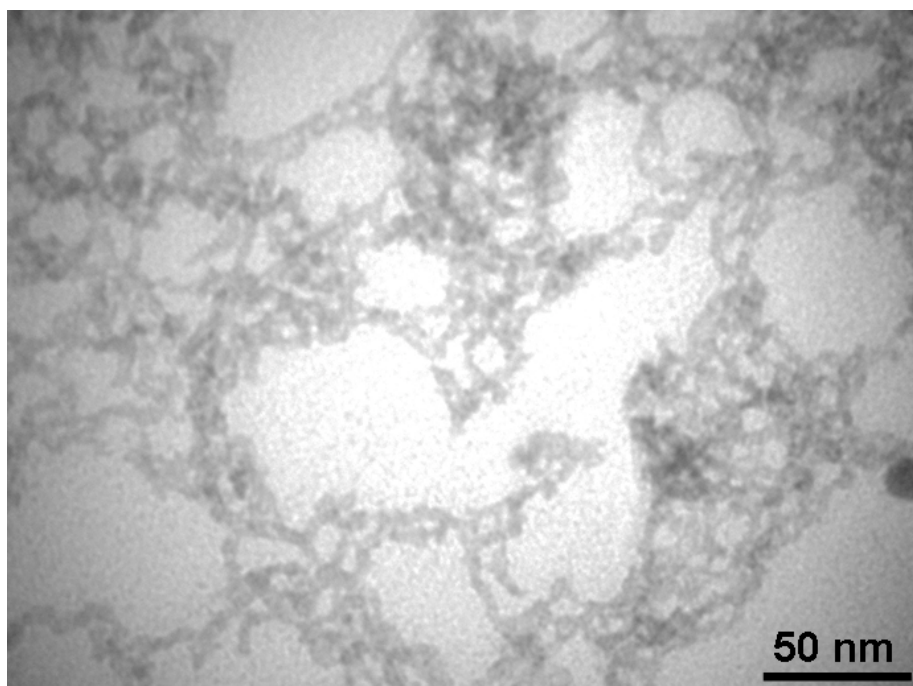


Fig. S2. TEM image of CdTe transitional structure. A pearl-necklace structure was formed after incubation for 1 minute at 80°C.

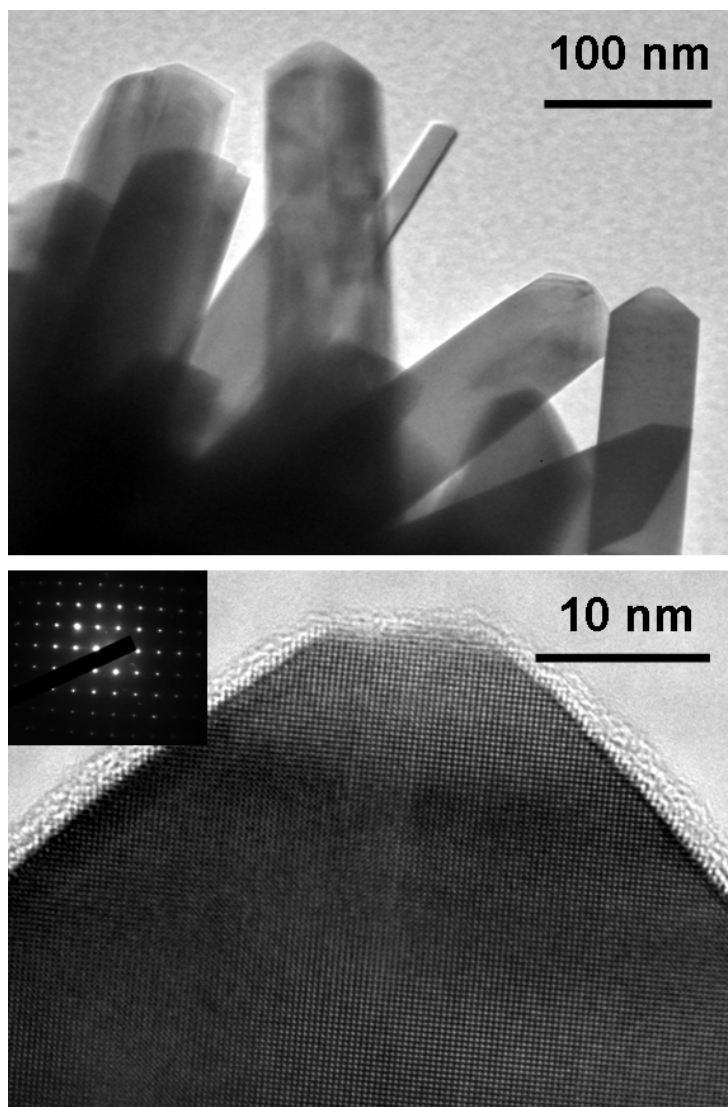


Fig. S3. TEM image of CdTe single crystal formed after incubation for 10 hours at 80°C.