SUPPORTING INFORMATION

Synergistic enhanced photocatalytic and chemotherapeutic effects of aptamer-functionlized ZnO nanoparticles towards cancer cells

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Fig. S1. TEM image of ZnO nanoparticles. Scale bar is 100 nm.
Fig. S2. TEM images of ZnO nanoparticles. Scale bar is 20 nm.
Fig. S3. The MCF-7 cell viability after treated with APTES-ZnO NPs and UV irradiation. (The concentrations of NPs were 0, 15, 25, 30μg/ml; The irradiation time were 0, 1, 3, 5 min.)
Fig. S4. The MCF-7 cell viability after treated with Dox of different concentrations.

Fig. S5. The HEK 293 cell viability with and without UV irradiation.
Fig. S6 ROS (reactive oxygen species) level of 30 μg/mL APTES-ZnO NPs to MCF-7 cells before and after UV irradiation for 1 min.
Fig. S7 ROS level of 30 μg/mL amorphous ZnO NPs to MCF-7 cells before and after UV irradiation for 1 min. Inset is TEM image of amorphous ZnO NPs.