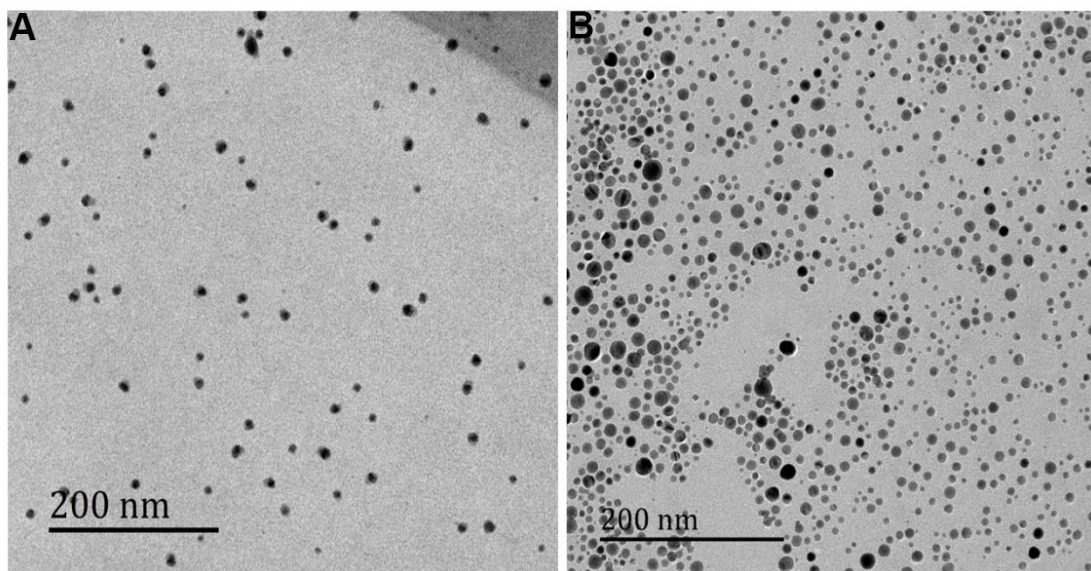
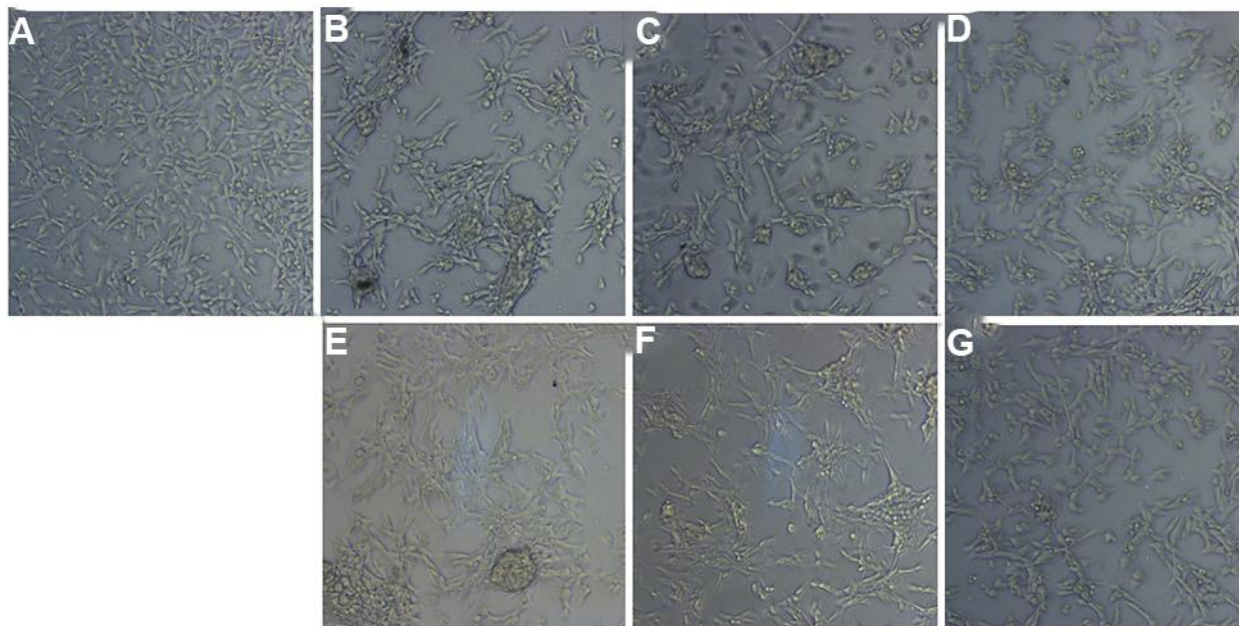


## SUPPLEMENTARY FIGURES



**Supplementary Figure 1. TiO<sub>2</sub>-NP transmission electron microscopy.** (A) 3-nm TiO<sub>2</sub>-NPs and (B) 24-nm TiO<sub>2</sub>-NPs (transmission electron micrographs were provided by Nanjing Jicang Nano Technology).



**Supplementary Figure 2. Morphological changes in TM-4 cells treated with TiO<sub>2</sub>-NPs.** (A) Control group, (B) 30 µg/ml 3-nm TiO<sub>2</sub>-NP treatment for 24 h, (C) 60 µg/ml 3-nm TiO<sub>2</sub>-NP treatment for 24 h, (D) 60 µg/ml 3-nm TiO<sub>2</sub>-NP treatment for 24 h prior to treatment with NAC for 2 h, (E) 30 µg/ml 24-nm TiO<sub>2</sub>-NP for 24 h, (F) 60 µg/ml 24-nm TiO<sub>2</sub>-NP for 24 h, and (G) 60 µg/ml 24-nm TiO<sub>2</sub>-NP treatment for 24 h prior to treatment with NAC for 2 h. ×100.