

Docetaxel-loaded SiO₂@Au@GO core-shell nanoparticles for chemophotothermal therapy of cancer cells

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TableS1. Parameters for Synthesis of Silica Nanoparticles with Different Diameter

sample	average size (nm)	NH ₄ OH volume(mL)	TEOS volume(mL)	methanol: butanol =1:3(V/V) total volume (mL)	time (h)
Fig. 2a	143	1.6	0.7	40	2
Fig. 2b	222	2	0.5	40	2
Fig. 2c	419	3	2	40	2
Fig. 2d	500	4	1	40	2
Fig. 2e	590	6	2	40	2
Fig. 2f	620	8	2	40	2

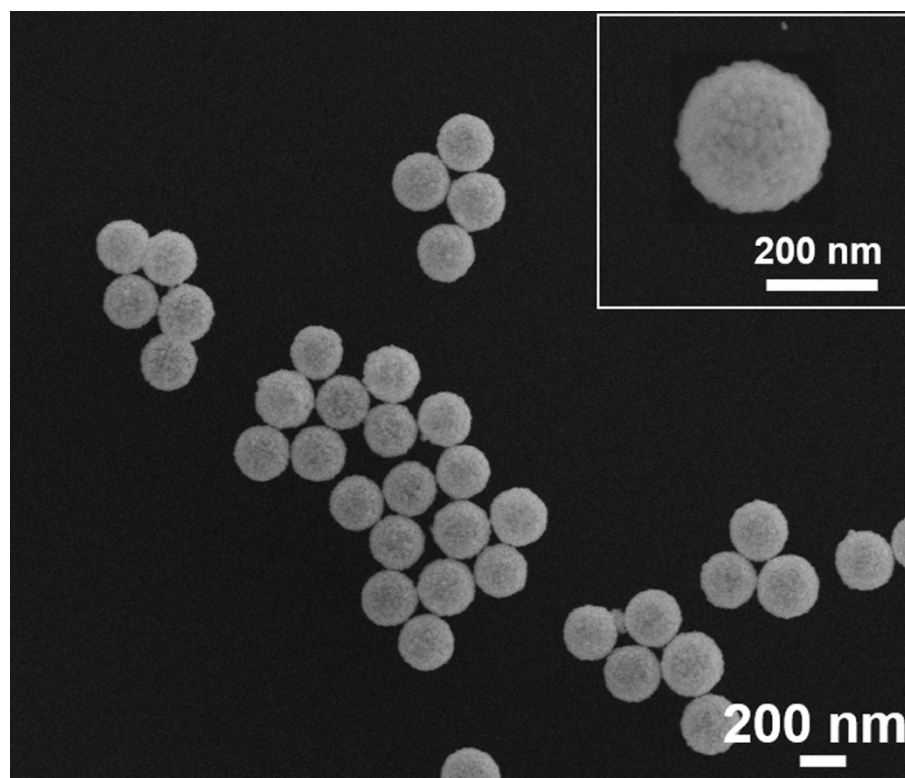


Figure. S1 The SEM image of SiO₂@Au NPs. Insert is the magnified SEM image of SiO₂@Au NPs

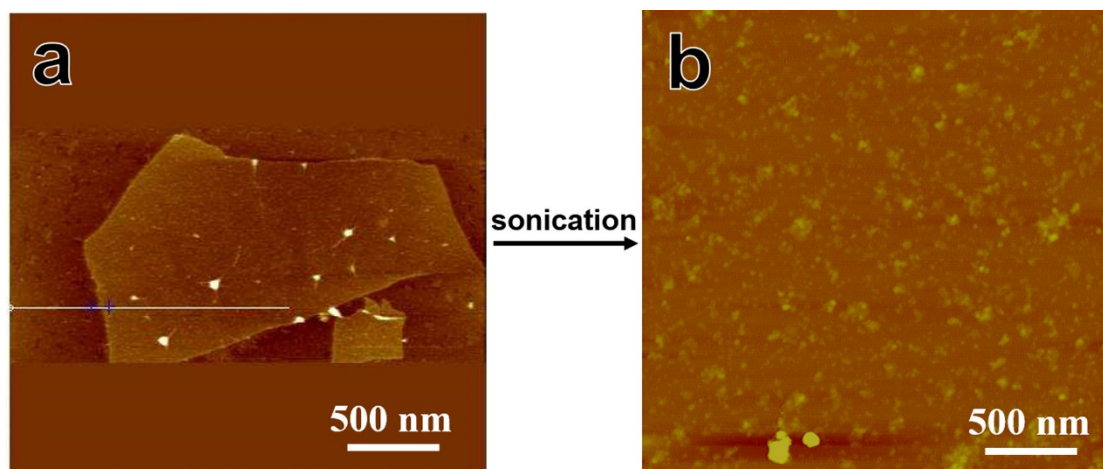


Figure. S2 The AFM images of as-prepared GO (a) before and (b) after sonication.

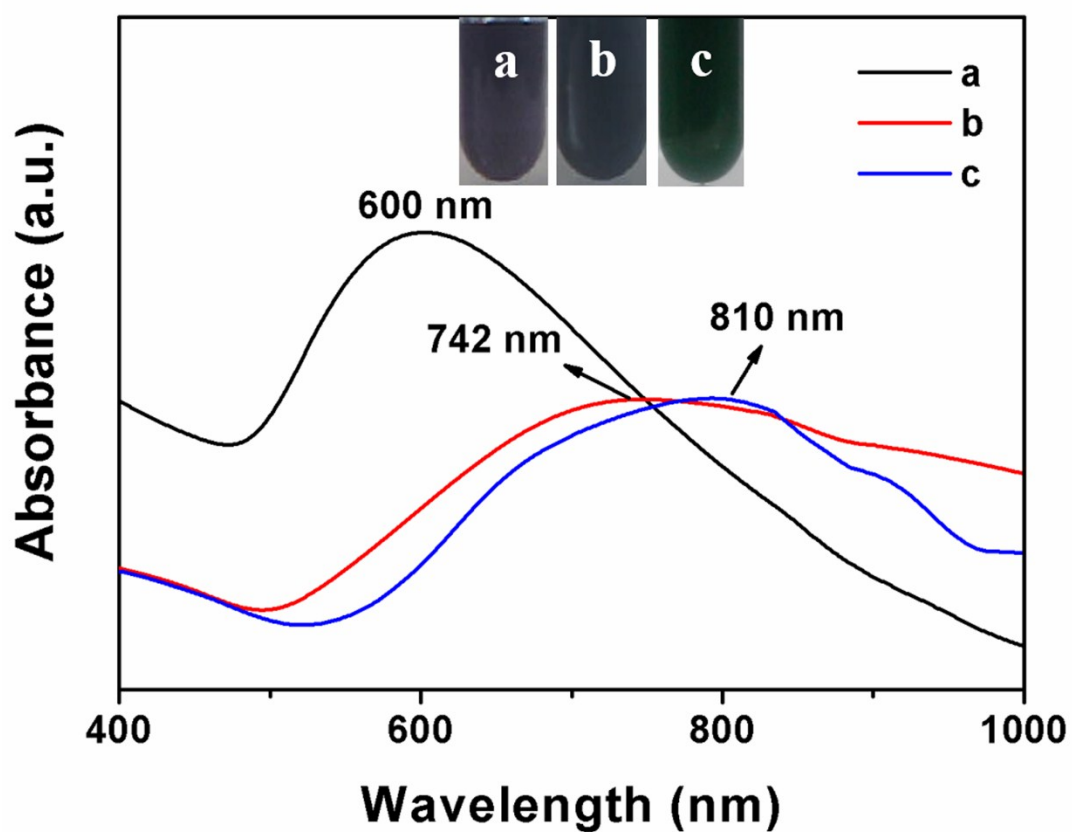


Figure. S3 The UV-Vis-NIR absorption spectra of $\text{SiO}_2@\text{Au}$ NPs with different resonance peaks. Inset is the corresponding photo of $\text{SiO}_2@\text{Au}$ NPs aqueous solution