
Supporting Information

Janus Nanocage towards a Platelet Delivery

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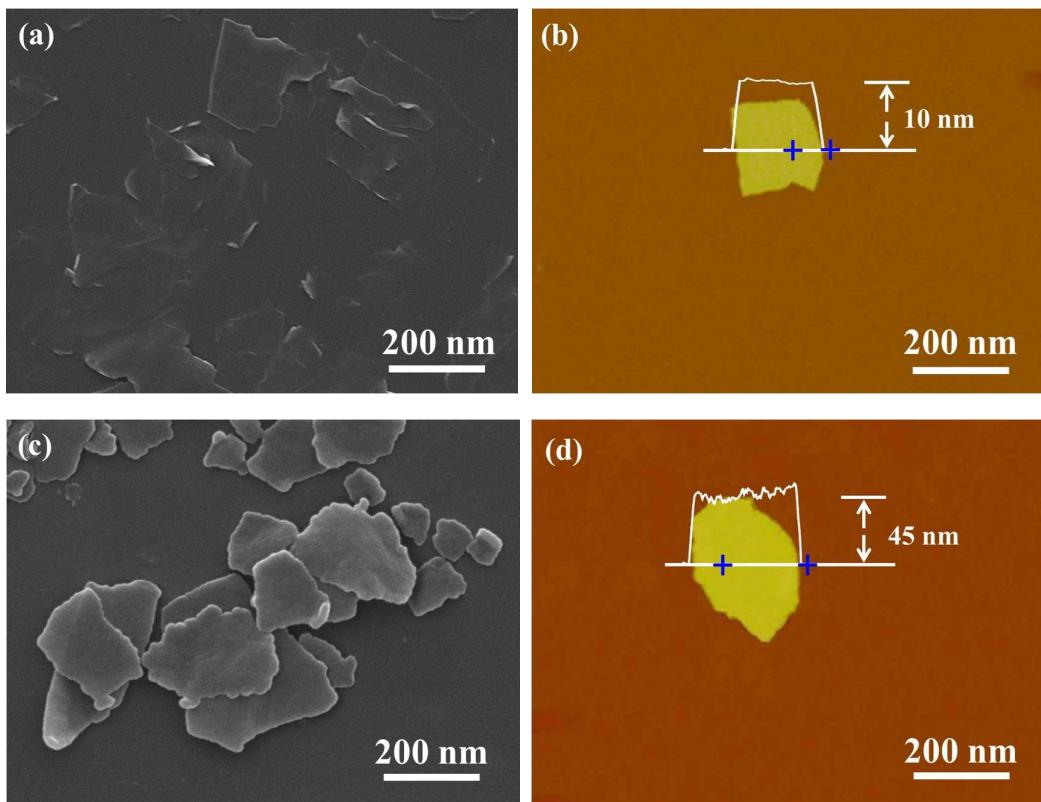
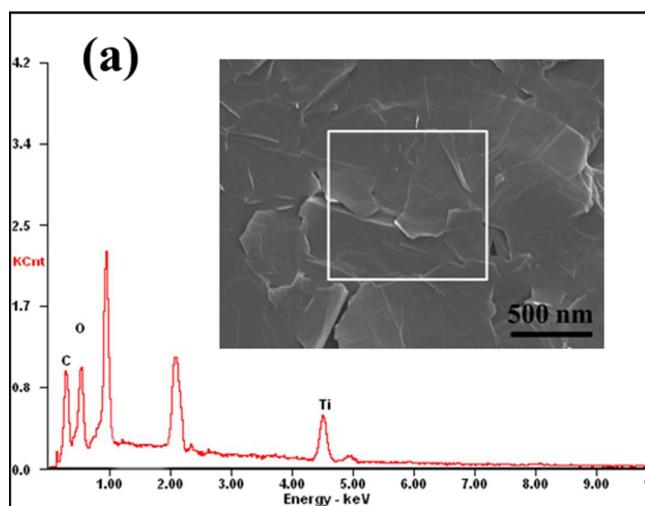


Figure S1 (a) SEM and (b) AFM images of the GO@TiO₂ composite platelets; (c) SEM and (d) AFM images of the GO@TiO₂@mSiO₂-PEG composite platelets.



Element	Wt%
C K	25.01
O K	33.14
Ti K	41.84
Si K	0.00

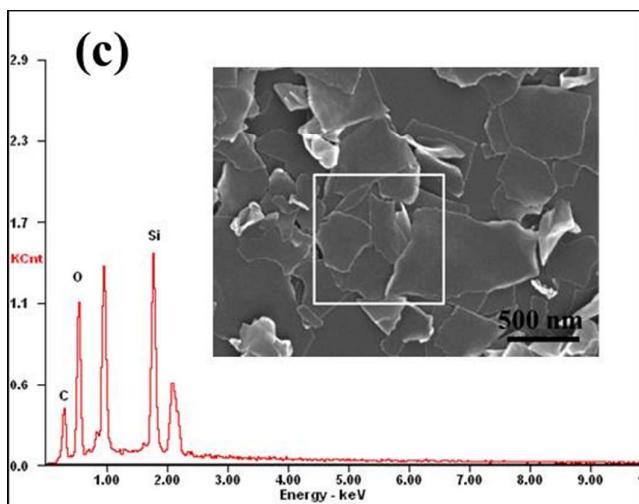
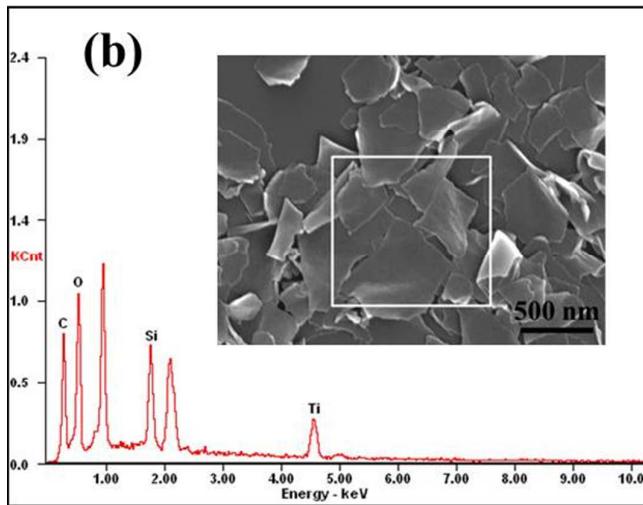


Figure S2 EDX data of three representative samples: (a) the GO@TiO₂ composite platelets; (b) the GO@TiO₂@mSiO₂-PEG composite platelets; (c) the RGO@mSiO₂-PEG Janus platelet nanocages.

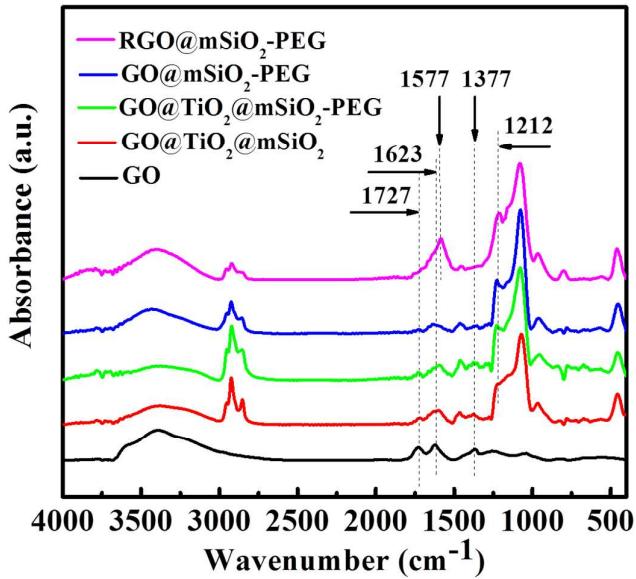


Figure S3 FTIR spectra of some representative samples.

Table S1 DOX loading capacity of the RGO@mSiO₂-PEG Janus nanocage

DOX/RGO@mSiO ₂ -PEG (w/w)	Loading (wt%)
0.1	25.6
0.5	48.7
1.0	65.5
2.0	80.5
5.0	81.1

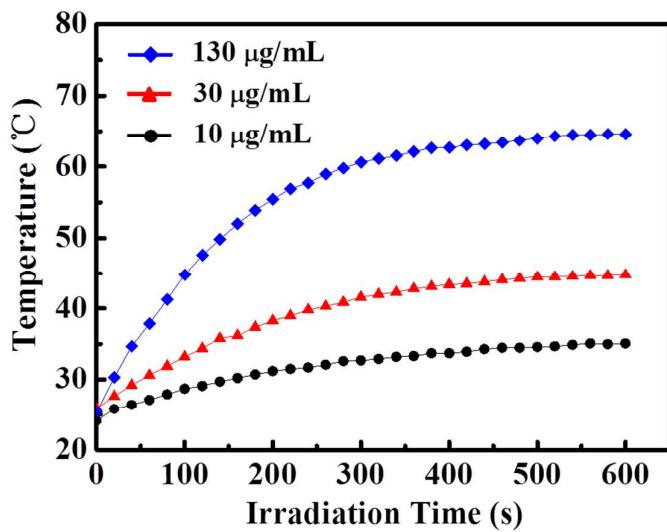


Figure S4 Photo thermal curves of the RGO@mSiO₂-PEG Janus nanocage dispersions at varied solid content under NIR laser irradiation (808 nm, 1 W/cm²).

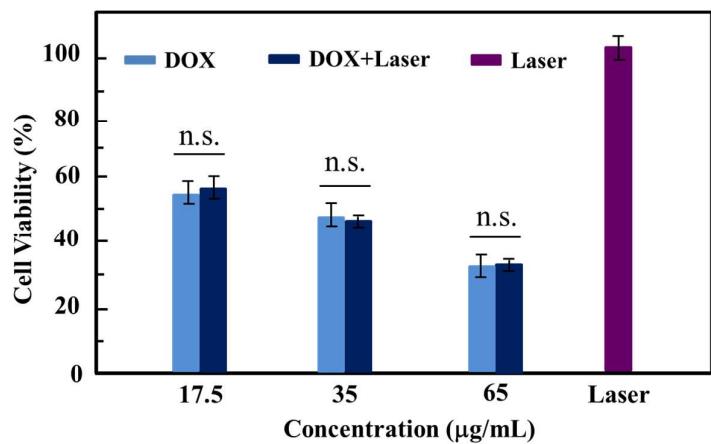


Figure S5 HeLa cell viability in the presence of DOX and under laser treatment. Statistical analysis: n.s.: not significant.