Supporting Information


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Figure S1. Size change of GO with different sonication time.

Figure S2. Hydrodynamic size of MSN-Dox@GO with different aging time.

Figure S3. Zeta potential of MSN-Dox@GO with different aging time.

Figure S4. Fluorescence emission spectra of Free Dox, MSN-Dox and MSN-Dox@GO.
Figure S5. The photothermal effects of MSN-Dox@GO and MSN-Dox with different doses of NIR laser irradiation.

Figure S6. TEM image of MSN-Dox@GO after laser irradiation. The white arrow indicates MSN.

Figure S7. Fluorescence emission spectra of Cy5.5-AS1411, supernatant, and MSN-Dox@GO-Apt.

Figure S8. Fluorescence emission spectra of MSN-Dox@GO-Apt with different aging time.
Figure S9 Fluorescence images of MCF-7 cells incubated with MSN-Dox@GO-Apt at different time points, blue color: Cy5.5-Apt. Scale bar is 20 μm.

Figure S10 Fluorescence images of 293T cells incubated with MSN-Dox@GO-Apt at different time points.

Figure S11. Cell cytotoxicity of GO on human breast cancer MCF-7 cells.