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Supporting Information

A designed synthesis of multifunctional carbon nanoframes for

simultaneous imaging and synergistic chemo-photothermal cancer

therapy

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Fig. S1 TEM image of SiO₂ shell.



Fig. S2 EDX analysis of mCNFs.



Fig. S3 Raman spectrum of mCNFs.



Fig. S4 (A) N_2 adsorption/desorption isotherms; and (B) pore size distribution curve of mCNFs.



Fig. S5 TEM image of A-CNFs.



Fig. S6 Photographs of mCNFs in (A) water, (B) PBS buffer and (C) culture medium with serum and they were stored for 6 h, respectively.



Fig. S7 The Vis-NIR absorption spectra of mCNFs.



Fig. S8 (A) Photothermal effect of the irradiation of the aqueous dispersion of mCNFs with the NIR laser (808 nm, 1.5 W cm⁻²), in which the irradiation lasted for 5 min, and then the laser was turned off. (B) Time constant for heat transfer from the system is determined to be $\tau_s = 156$ s by applying the linear time data from the cooling period versus negative natural logarithm of driving force temperature.