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High loading of doxorubicin into styrene-terminated porous silicon nanoparticles via π-stacking for cancer treatments *in vitro*

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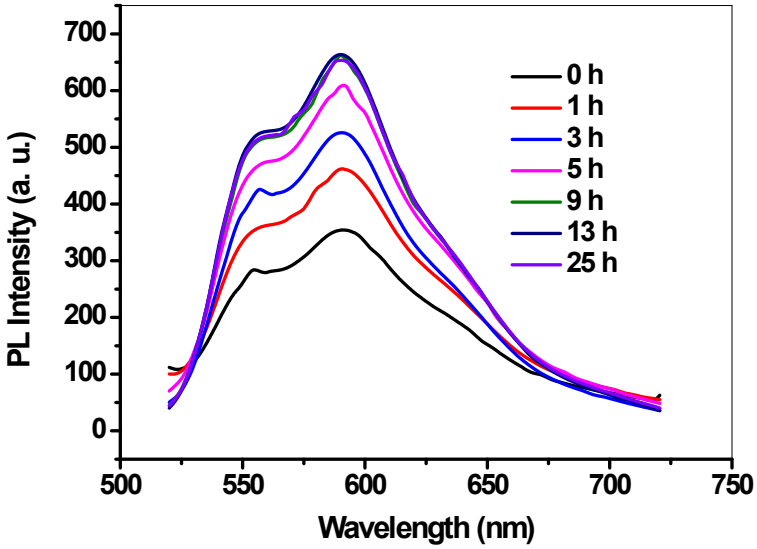

Fig. S1. PL spectra of DOX released from DOX@S-PSiNPs PBS solution (pH 5.5) at 37 °C for different hours, with an excitation of 480 nm.

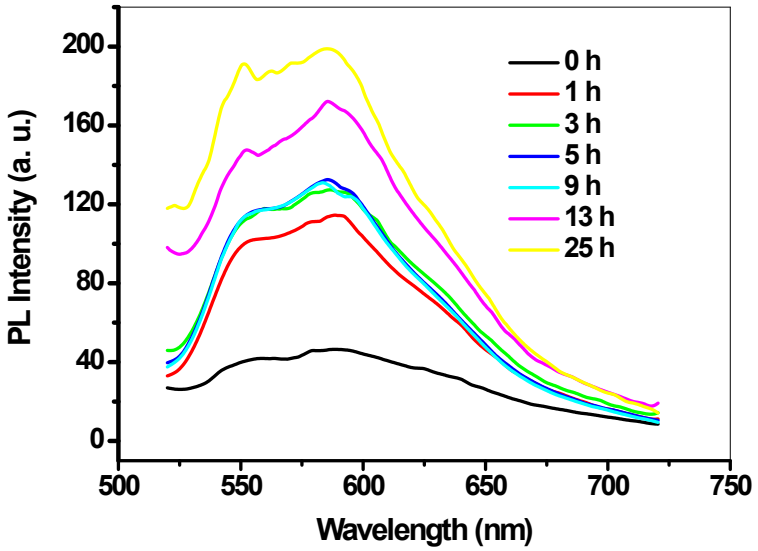

Fig. S2. PL spectra of DOX released from DOX@S-PSiNPs PBS solution (pH 7.5) at 37 °C for different hours, with an excitation of 480 nm.

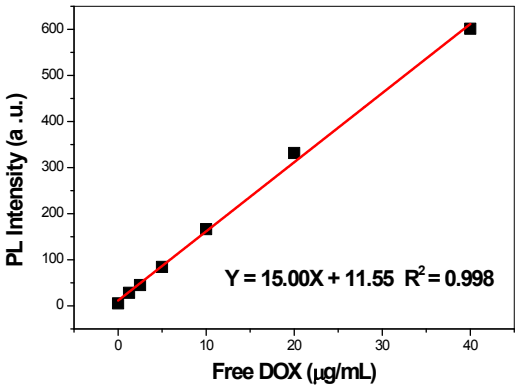

Fig. S3. The standard curve of free DOX between PL intensity and concentration.

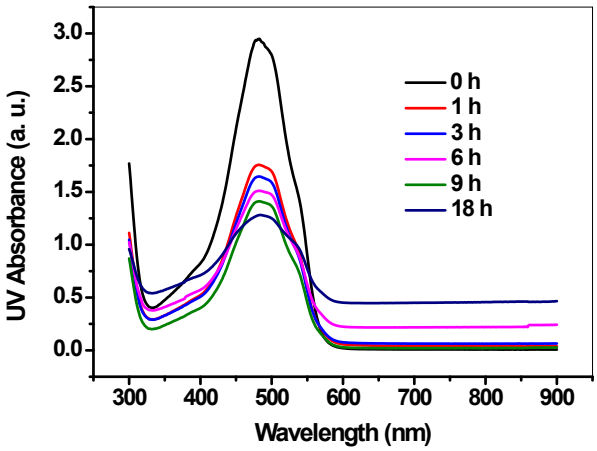

Fig. S4. UV-Vis spectra of the supernatant of S-PSiNPs incubated in DOX solution at 37 °C for different hours.

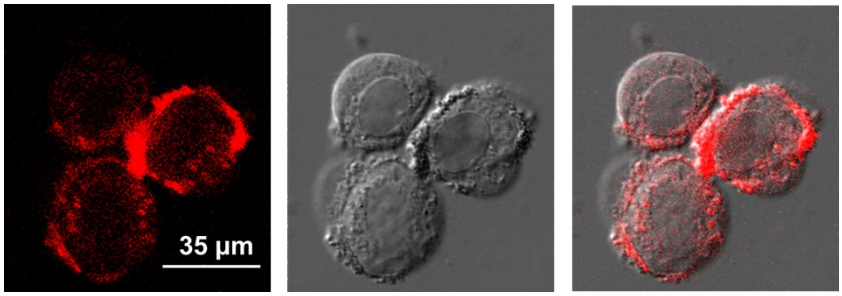

Fig. S5. Typical LSCM images of Hela cells incubated with of DOX@S-PSiNPs (20 μg/mL, DOX) after 48 h (from left to right, fluorescence bright-field, and overlay channel).

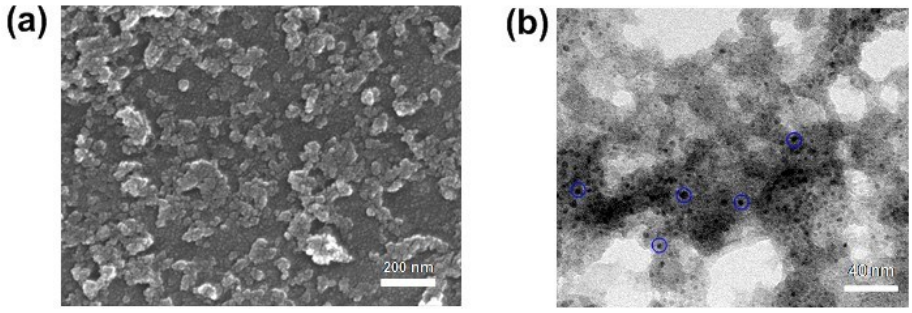

Fig. S6. Typical SEM (a) and TEM (b) images of S-PSiNPs.