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Supplementary Information

Multi-stable fluorescent silica nanoparticles obtained from *in situ* doping with aggregation-induced emission molecules

Yi-Feng Wang[a1], Jing Che[ab1], Yong-Chao Zheng[c], Yuan-Yuan Zhao[a]*, Fei Chen[a], Shu-Bin Jin[a], Ning-Qiang Gong[a], Jing Xu[a], Zhong-Bo Hu[b], Xing-Jie Liang[a]*

a. CAS Key Laboratory for Biological Effects of Nanomaterials & Nanosafety, National Center for Nanoscience and Technology of China, Beijing 100190, People's Republic of China.

b. College of Materials Science and Opto-Electronic Technology, University of Chinese Academy of Sciences, Beijing 100049, People's Republic of China.

c. Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Beijing 100190, People's Republic of China.

1 These authors contributed equally to this work.

** Corresponding authors. liangxj@nanoctr.cn, zhaoyuanyuan@nanoctr.cn.*

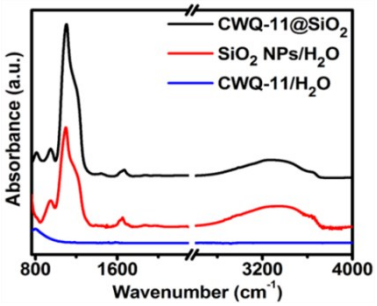

Figure S1. Infrared spectra of CWQ-11, SiO_2 NPs and CWQ-11@SiO_2 NPs.

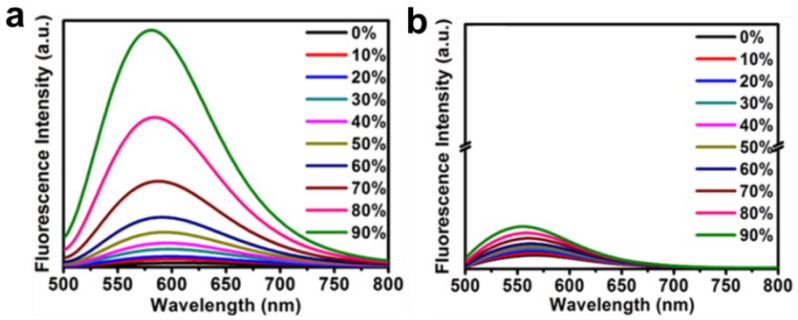

Figure S2. Fluorescence spectra of a. CWQ-11 and b. CWQ-11@SiO_2 NPs under different viscosities.

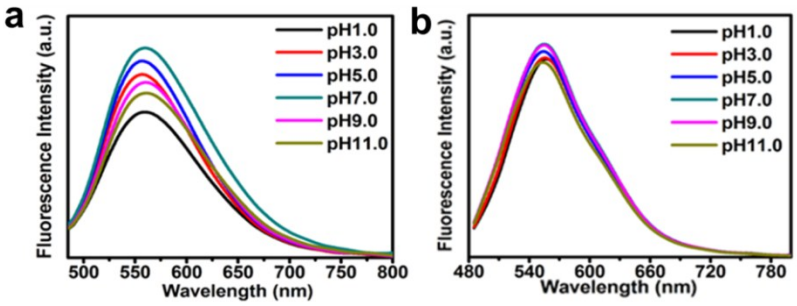

Figure S3. Fluorescence spectra of a. CWQ-11 and b. CWQ-11@SiO_2 NPs in different pH solutions.

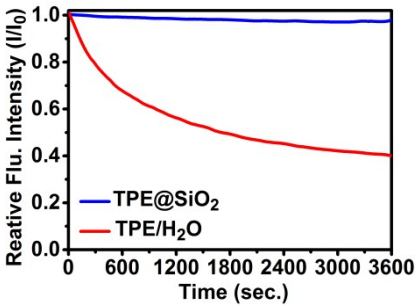

Figure S4. Relative FL intensities of TPE@SiO_2 NPs and TPE under continuous excitations for 1 h.

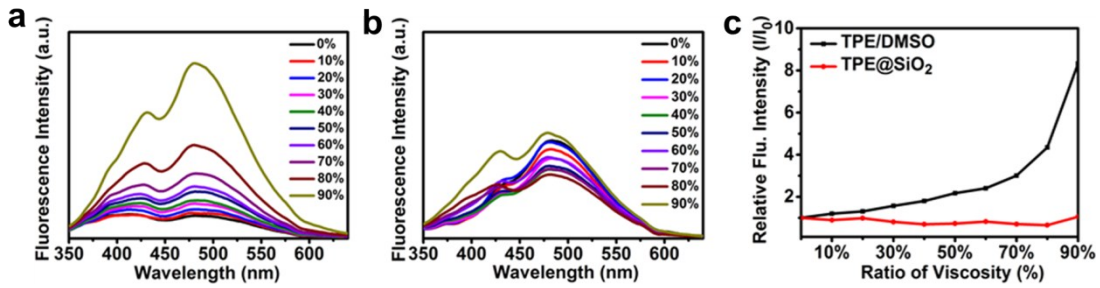

Figure S5. Fluorescence spectra of a. TPE and b. TPE@SiO_2 NPs under different viscosities. c. Relative FL intensities of TPE and TPE@SiO_2 NPs under different viscosities.

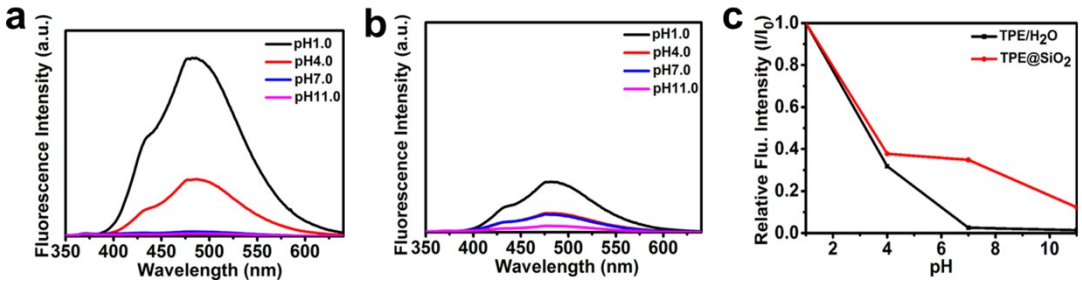

Figure S6. Fluorescence spectra of a. TPE and b. TPE@SiO_2 NPs in different pH solutions. c. Relative FL intensities of TPE and TPE@SiO_2 NPs in different pH solutions.

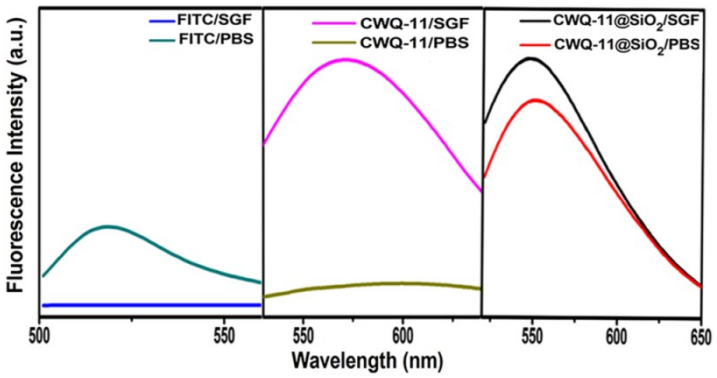

Figure S7. Fluorescence spectra of CWQ-11, CWQ-11@SiO_2 NPs and FITC in SGF and PBS solutions.

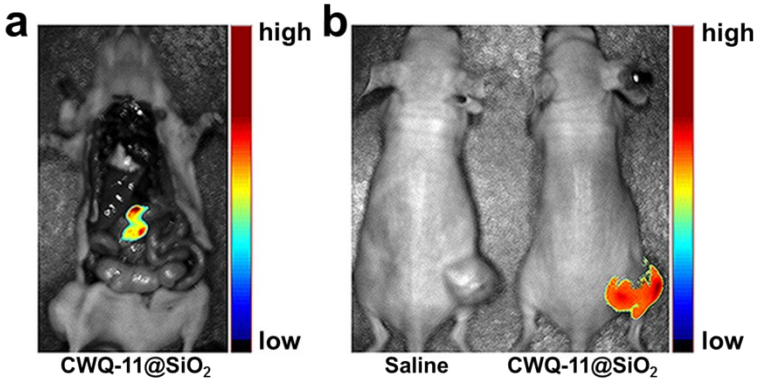

Figure S8. Fluorescence images of mice treated with CWQ-11@SiO_2 NPs by a. gavage administration and b. intratumoral injection (Saline as control).