

Aggregation-induced Emission Dyes Based Luminescent Silica Nanoparticles: Facile Preparation, Biocompatibility Evaluation and Cell Imaging Applications

Xiaoyong Zhang^{a, b, #, *}, Xiqi Zhang^{b, #}, Bin Yang^b, Liangji Liu^c, Junfeng Hui^b,
Meiying Liu^d, Yiwang Chen^a, Yen Wei^{b, *}

a Department of Chemistry/Institute of Polymers, Nanchang University, 999 Xuefu Avenue, Nanchang 330031, China. b Department of Chemistry and Key Laboratory of Bioorganic Phosphorus Chemistry & Chemical Biology (Ministry of Education), Tsinghua University, Beijing, 100084, P. R. China. c Affiliated Hospital of Jiangxi University of Traditional Chinese Medicine, d Beijing National Laboratory for Molecular Sciences (BNLMS), Key Laboratory of Organic Solids, Laboratory of New Materials, Institute of Chemistry, Chinese Academy of Sciences, Beijing 100190, China.

These authors contributed equally to this work.

Results

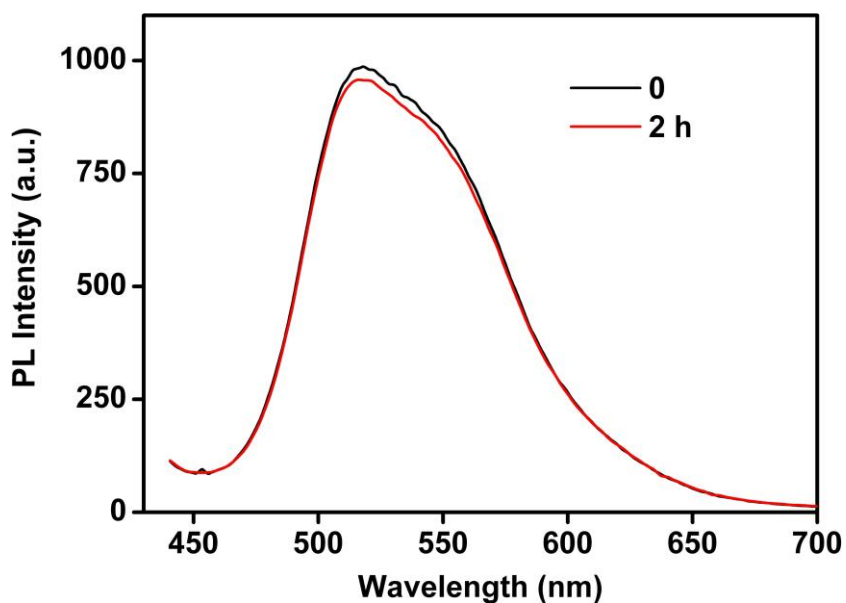


Fig. S1 Photostability of An18-SiO₂ NPs water dispersion after they were irradiated by UV lamp ($\lambda = 365$ nm).

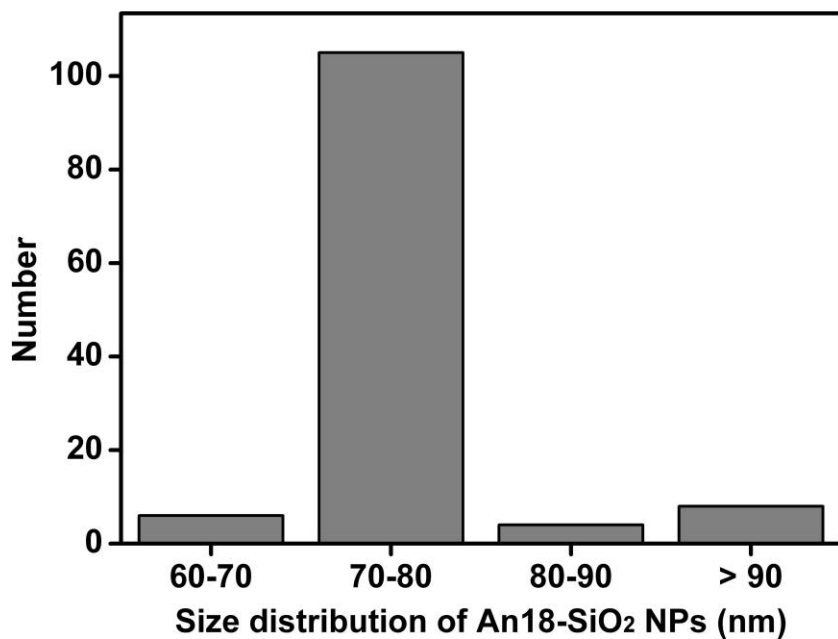


Fig. S2 Size distribution of An18-SiO₂ NPs based on TEM images.