

Supplementary Information

A Facile and Efficient Method for Rapid Detection of Trace Nitroaromatics in Aqueous Solution

Shengyang Tao, Yan Li, and Guangtao Li*

Key Lab of Optoelectronic and Molecular Engineering, Department of Chemistry, Tsinghua University

Beijing, China. E-mail: LGT@mail.tsinghua.edu.cn

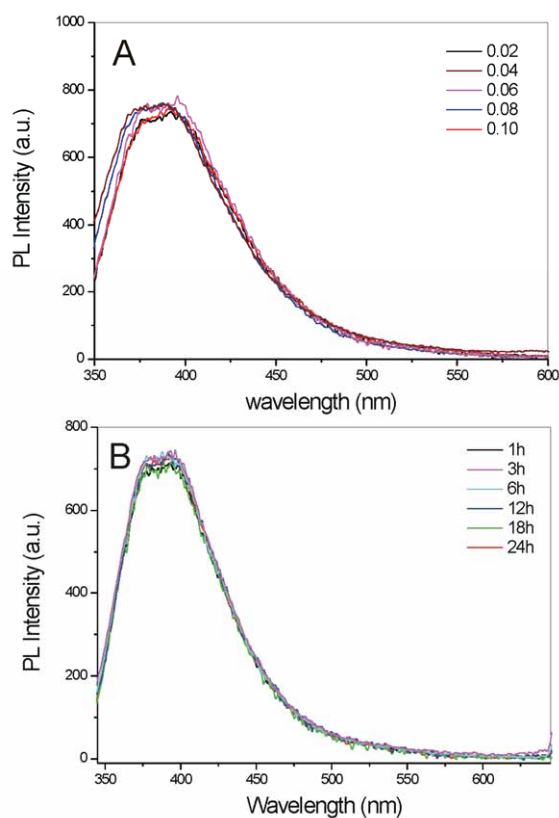


Figure S1 (A) Photoluminescence spectra of ZnO-doped mesoporous films prepared under different $\text{Zn}(\text{OAc})_2$ concentrations from 0.02M to 0.10M; (B) PL spectra of ZnO-doped mesoporous films prepared under different soaking time from 1h to 24h. The excitation wavelength is 325 nm.

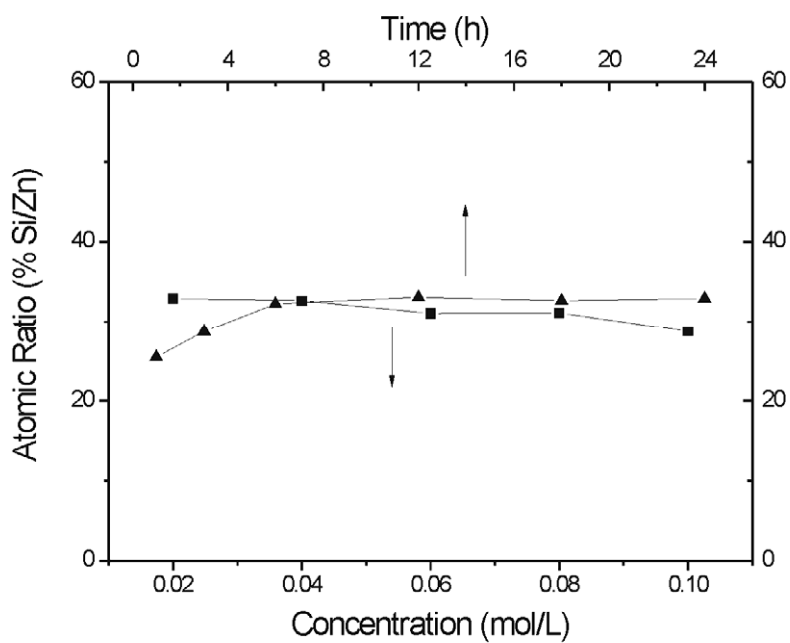


Figure S2 Atomic ratios of Si to Zn under different preparation conditions. (■) Different concentration of Zn (OAc)₂ solution from 0.02M to 0.10M with the same soaking time (12h); (▲) different soaking time from 1h to 24h with the same concentration of Zn(OAc)₂ solution (0.02M).