Supplementary Material (ESI) for Journal of Materials Chemistry
This journal is © The Royal Society of Chemistry 2006

Supporting Information

Metalloporphyrin as Sensing Elements for the Rapid Detection of Trace TNT Vapor

Shengyang Tao[a], Guangtao Li[a]* and Hesun Zhu[b]

[a] Key Lab of Organic Optoelectronics and Molecular Engineering, Department of Chemistry, Tsinghua University, 100084 Beijing, China;
[b] Research Centre of Materials Science, Beijing Institute of Technology, 100081 Beijing, China

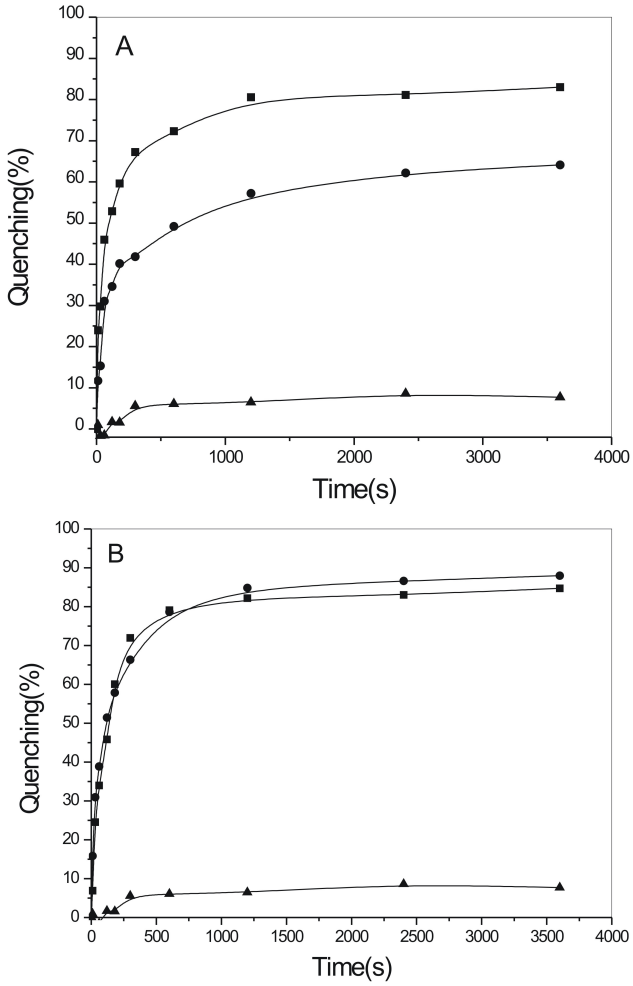

Fig. S1 Time-dependent fluorescence quenching of the porphyrin-doped silica film prepared using (A) CTAB and (B) F127 polymer as template upon exposure to TNT vapor. Wormlike structure (■); hexagonal structure (●) and amorphous structure (▲) silica films are used.

This journal is © The Royal Society of Chemistry 2006

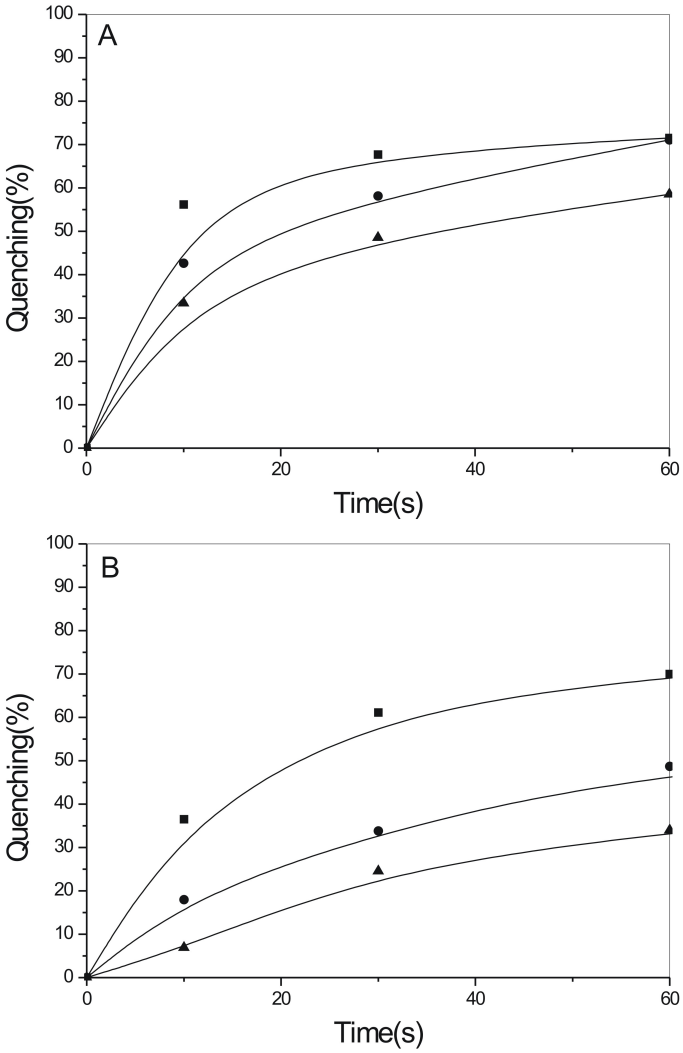

Fig. S2 Time-dependent fluorescence quenching of the different metalloporphyrin-doped wormlike silica film using (A) CTAB and (B) F127 as template TNT vapours. (■) Cadmium porphyrin (CdTPP) ; (●) Zinc porphyrin (ZnTPP) and (▲) free-base porphyrin.

This journal is © The Royal Society of Chemistry 2006