

SUPPORTING INFORMATION

Triplet State of 4-Methoxybenzyl Alcohol Chemisorbed on Silica Nanoparticles.

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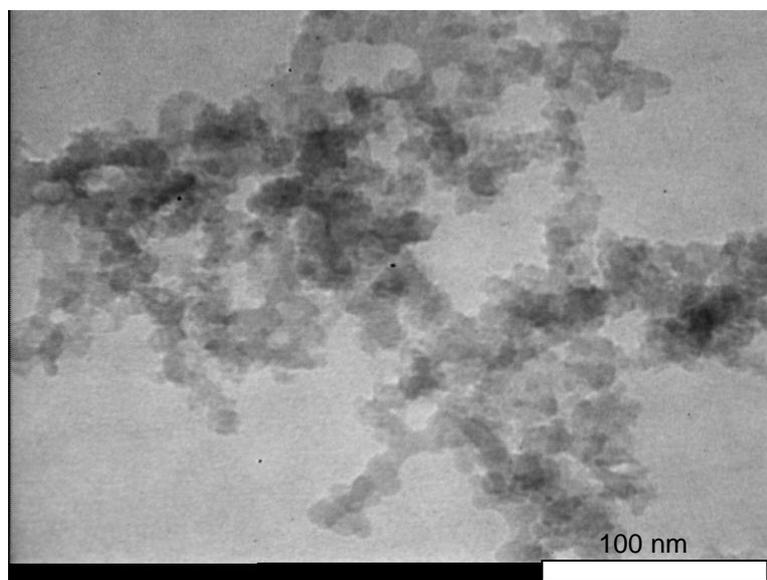


Figure S1: TEM images of NP.

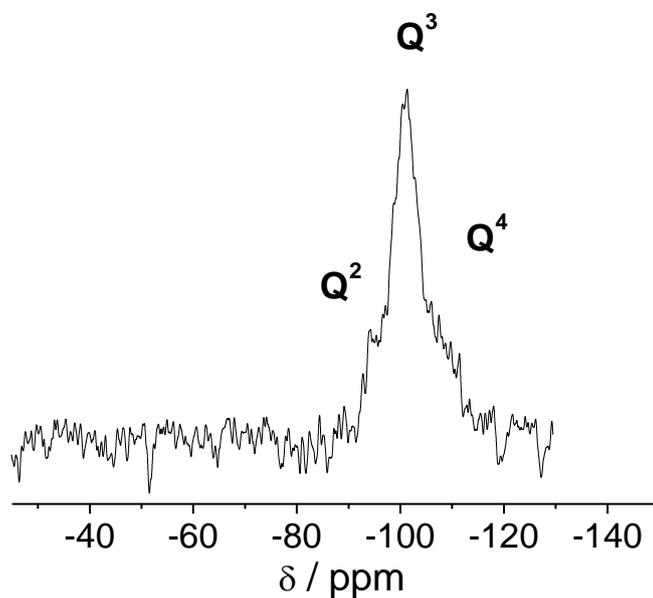


Figure S2: ^{29}Si solid state NMR for NP. The signals are assigned to $\text{Si}(\text{OSi})_4$, Q^4 , $\text{Si}(\text{OSi})_3\text{OH}$, Q^3 and $\text{Si}(\text{OSi})_2(\text{OH})_2$, Q^2 chemical species.

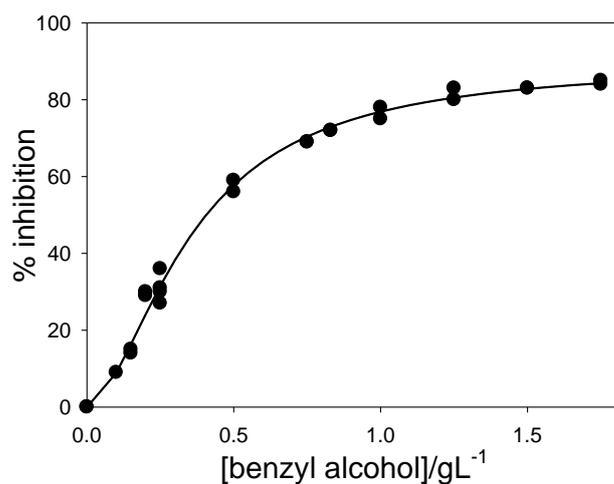


Figure S3: Percentage of luminescence inhibition vs. the concentration of benzyl alcohol

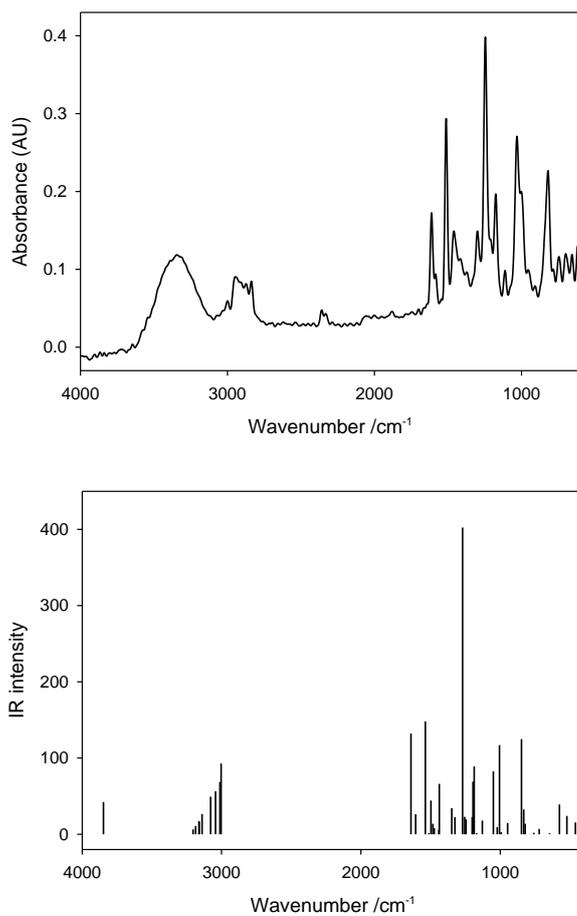


Figure S4: FTIR spectra of 4-methoxybenzyl alcohol experimental (up) and simulated (down).

NP	Alcohol
3014	2999
2961	2946
2924	2872
2849	2837
1517	1512

Table S1: Experimental IR wavenumbers for NP and alcohol (cm^{-1}).