

Dispersing Hydrophilic Nanoparticles in Nonaqueous Solvents with Superior Long-Term Stability

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Supporting Figures

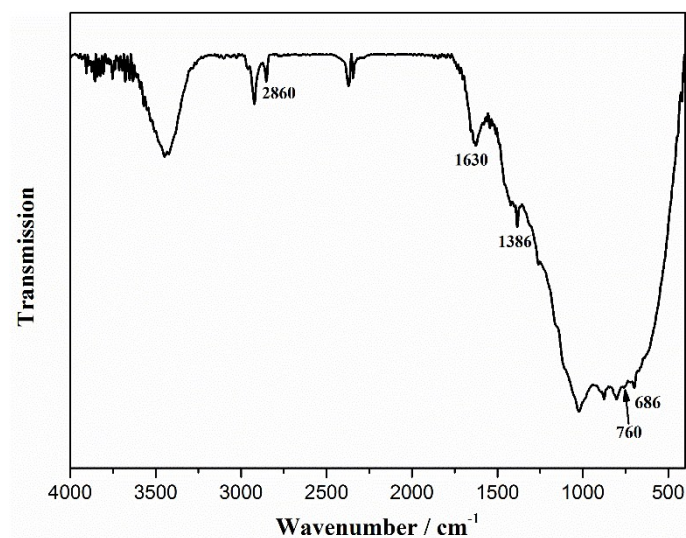


Figure S1. FTIR spectrum of polystyrene-capped Au nanospheres. The characteristic peaks of polystyrene can be observed, including at 686 cm⁻¹ (benzene ring folding), 760 cm⁻¹ (C-H bending of the benzene ring), 1386 and 1630 cm⁻¹ (C-C stretching of the benzene ring), and 2860 cm⁻¹ (saturation band C-H stretching)

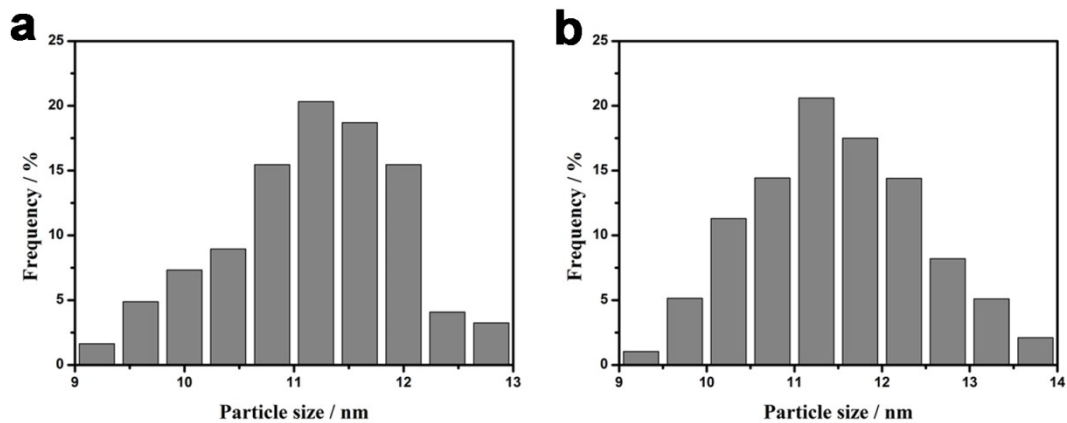


Figure S2. Size distributions of Au nanoparticles and PS-capped Au nanoparticles. The average sizes are 11.2 and 11.4 nm for Au nanoparticles and PS-capped Au nanoparticles, respectively.

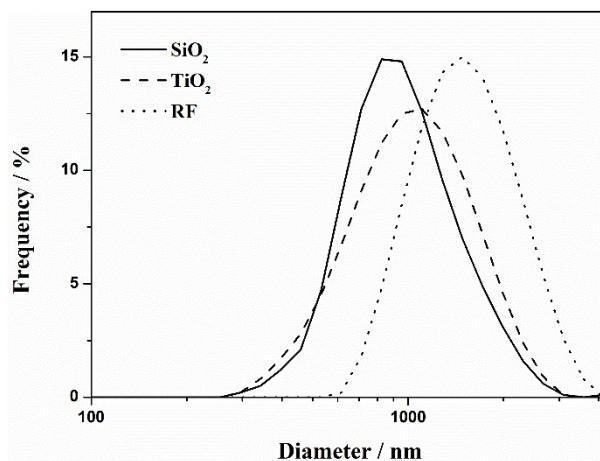


Figure S3. DLS curves of the polystyrene-capped SiO₂, TiO₂, RF colloids in toluene.