



Supporting Information

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Optical Heating and Temperature Determination of Core–Shell Gold Nanoparticles and Single-Walled Carbon Nanotube Microparticles

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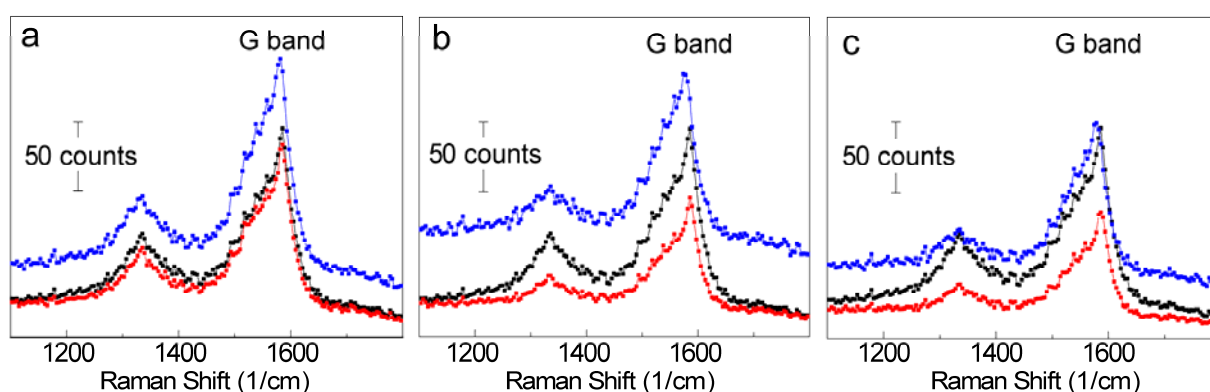


Figure S1. Raman spectra taken from silica microparticles with the shell composition corresponding to PSTAS. In each spectrum black curves correspond to a power of 1 mW ($3.2 \cdot 10^4 \text{ W} \cdot \text{cm}^{-2}$), blue curves are measured at a power density of $6.4 \cdot 10^4 \text{ W} \cdot \text{cm}^{-2}$ (a), $9.6 \cdot 10^4 \text{ W} \cdot \text{cm}^{-2}$ (b), and $12.7 \cdot 10^4 \text{ W} \cdot \text{cm}^{-2}$ (c). Red curves refer to Raman spectra which were acquired at a laser power of 1 mW ($3.2 \cdot 10^4 \text{ W} \cdot \text{cm}^{-2}$) after measuring those at higher intensities.