

Type of the Paper (Article, Review, Communication, etc.)

Supplementary materials

Prevention of aggregation of nanoparticles during the synthesis of nanogold-containing silica aerogels

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Determination of particle sizes after precipitation occurred in nanogold solutions

Grey particles formed in and settled out of nanogold solutions made with different solvents were isolated and examined under an Olympus bright field and a Zeiss dark field microscope. The images, as well as a video recording of the particle sizes, shapes and Brownian motion are shown in Figure 1, Figure 2 and Video S1, respectively.

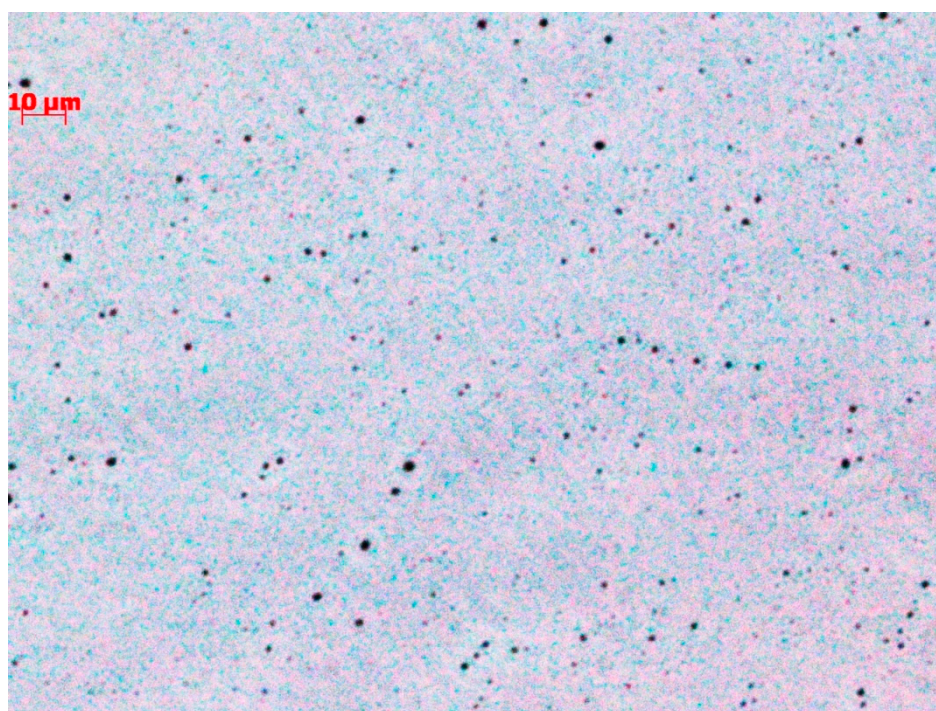


Figure S1. Optical microscopy image of settled micron-ranged gold particles isolated from carbon dioxide-treated nanogold solutions. A 10 μm scale bar is shown in red.

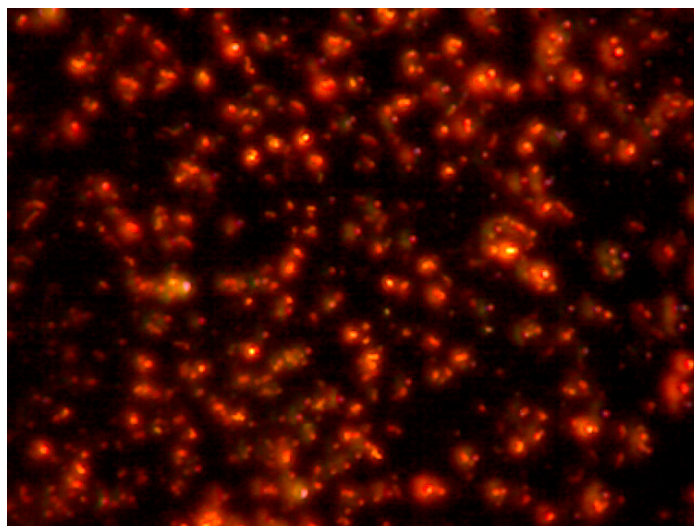


Figure S2. Dark field optical microscopy image of gold particles isolated from carbon dioxide-treated nanogold solutions (magn. 125 X). Picture was taken from Video S1 for static representation.

Video S1. Video recording of the Brownian motion of micron-sized gold particles observed with a dark field microscope equipped with a 2 MP digital eyepiece.



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