

Supporting Information

Synthesis of Immobilized Silver Nanoparticles on Ionic Silicate Clay and Observed Low-Temperature Melting

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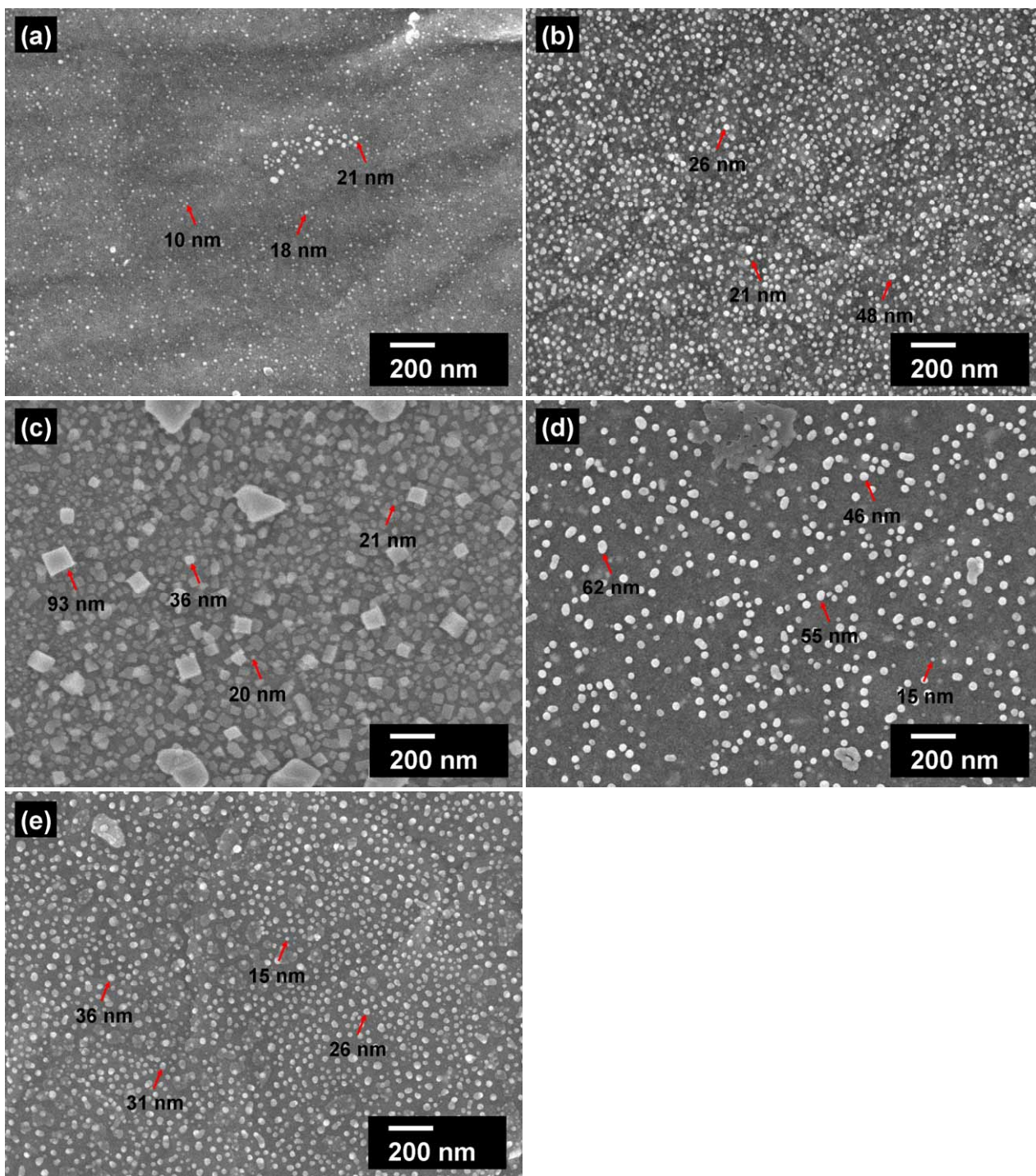


Figure S1. FE-SEM micrographs of AgNP/clay (Bentonite) at Ag^+/CEC of (a) 0.2/1.0, (b) 2.0/1.0, (c) 8.0/1.0, by methanol reduction (d) 1.0/1.0 by $NaBH_4$ reduction, and (e) AgNP/clay (Mica) ($Ag^+/CEC = 1.0/1.0$), all prepared at 80 °C and dried at 80 °C on glass. (Some representative particles with the estimated sizes are shown).

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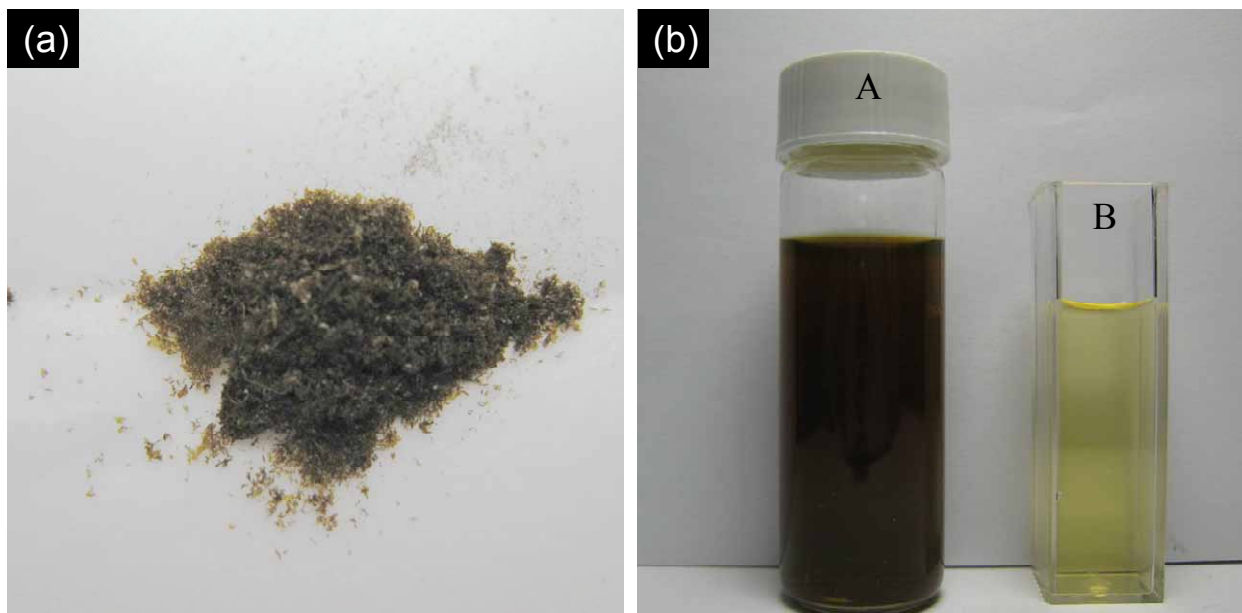


Figure S2. Photographical images of (a) powder of AgNP/clay after removing water, (b) powder dispersed in water at the concentration of 250 ppm (A) and 10 ppm (B).