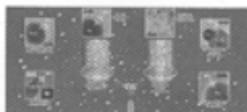


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Cover photo. Background: plasmonic Ag-nanoparticles hemispherically-coated with a 2-nm thin SiO₂-shell by one-step flame aerosol technology (center-schematic) with CFD-depicted red mushroom-like flow field of precursor coating vapor surrounded by images of other core-shell particles and applications. Without such a field, segregated, Janus-like particles are formed. Photo courtesy of G. Sotriou and B. Bueesser (Particle Technology Lab., ETH Zurich, Switzerland).

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