

Deposition and Etchback Approach for Ultrathin ZrO₂ Coatings on TiO₂/ZrO₂ Core/Shell Nanoparticles

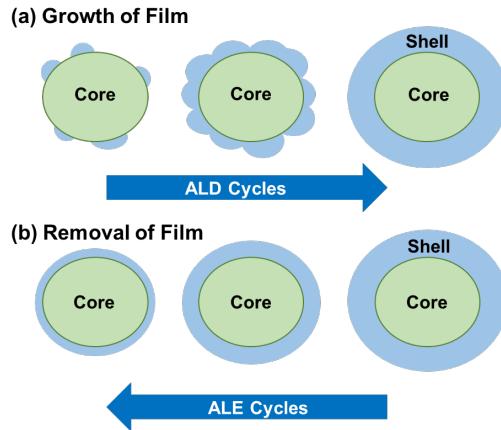


Figure 1. (a) ALD growth on core nanoparticle.
(b) ALE removal of shell on core nanoparticle.

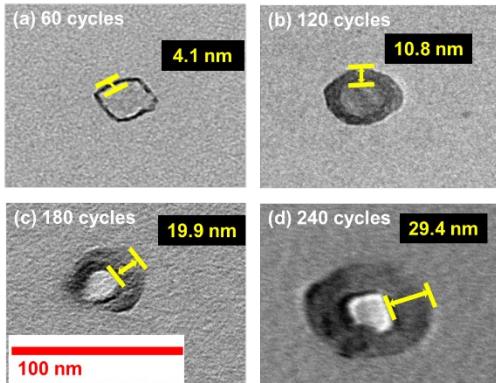


Figure 2. TEM images of TiO₂/ZrO₂ core/shell nanoparticles after: (a) 60; (b) 120; (c) 180; and (d) 240 cycles of ZrO₂ ALD.

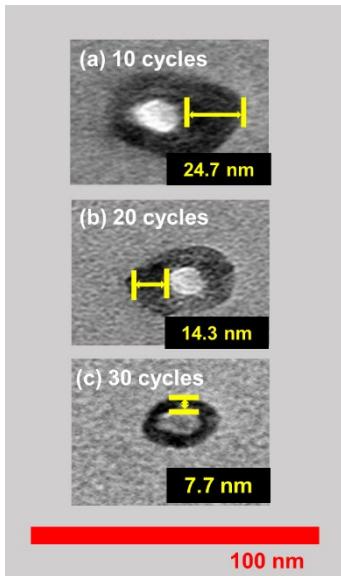


Figure 3. TEM images of TiO₂/ZrO₂ core/shell nanoparticles after: (a) 10; (b) 20; and (c) 30 cycles of ZrO₂ ALE.