

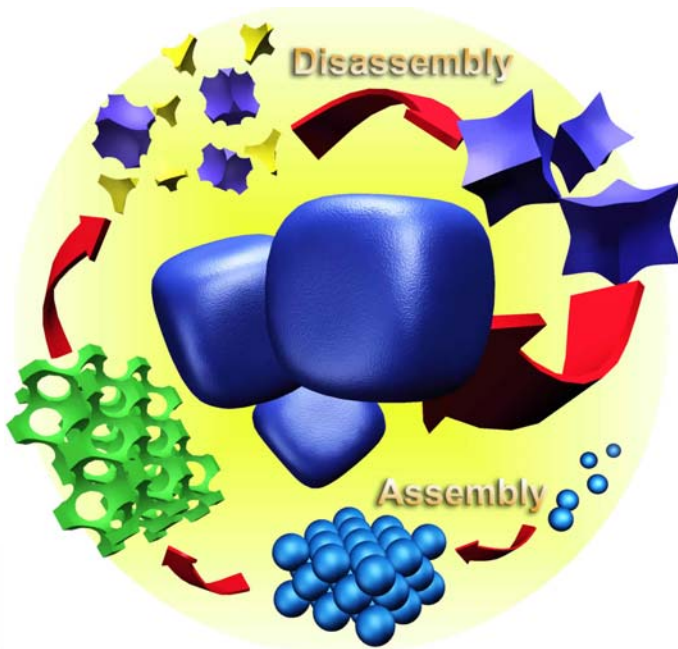
Nanoparticle Synthesis by Combined **Bottom-Up** and **Top-Down** Approaches

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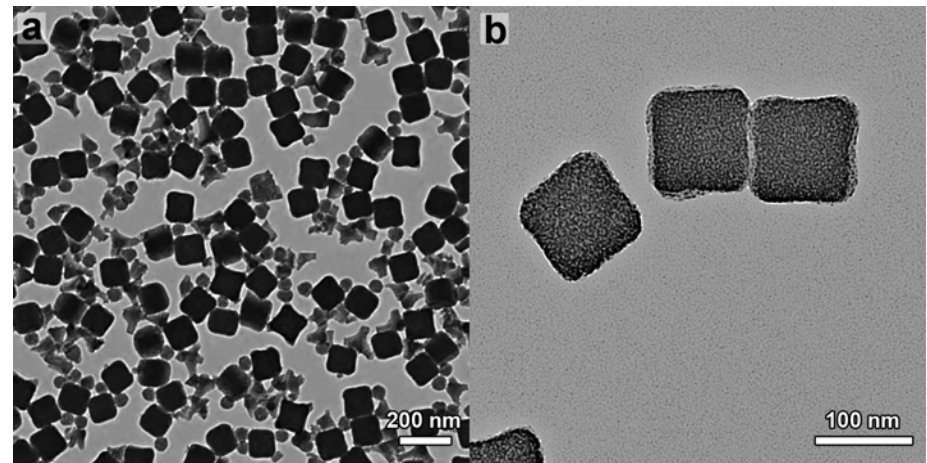
DESCRIPTION OF WORK

- ◆ Silica samples with hierarchical porosity synthesized by combining colloidal crystal templates and surfactant templates
- ◆ Under specific conditions formed uniform mesoporous nanocubes and tetrapods and nanospheres



MAJOR OBSERVATIONS

- Discrete particles
- Shape control
- Good yield (for bimodal product)



Li, Wang, Stein, *Angew. Chem. Int. Ed.*, **2007**, in press (cover picture).