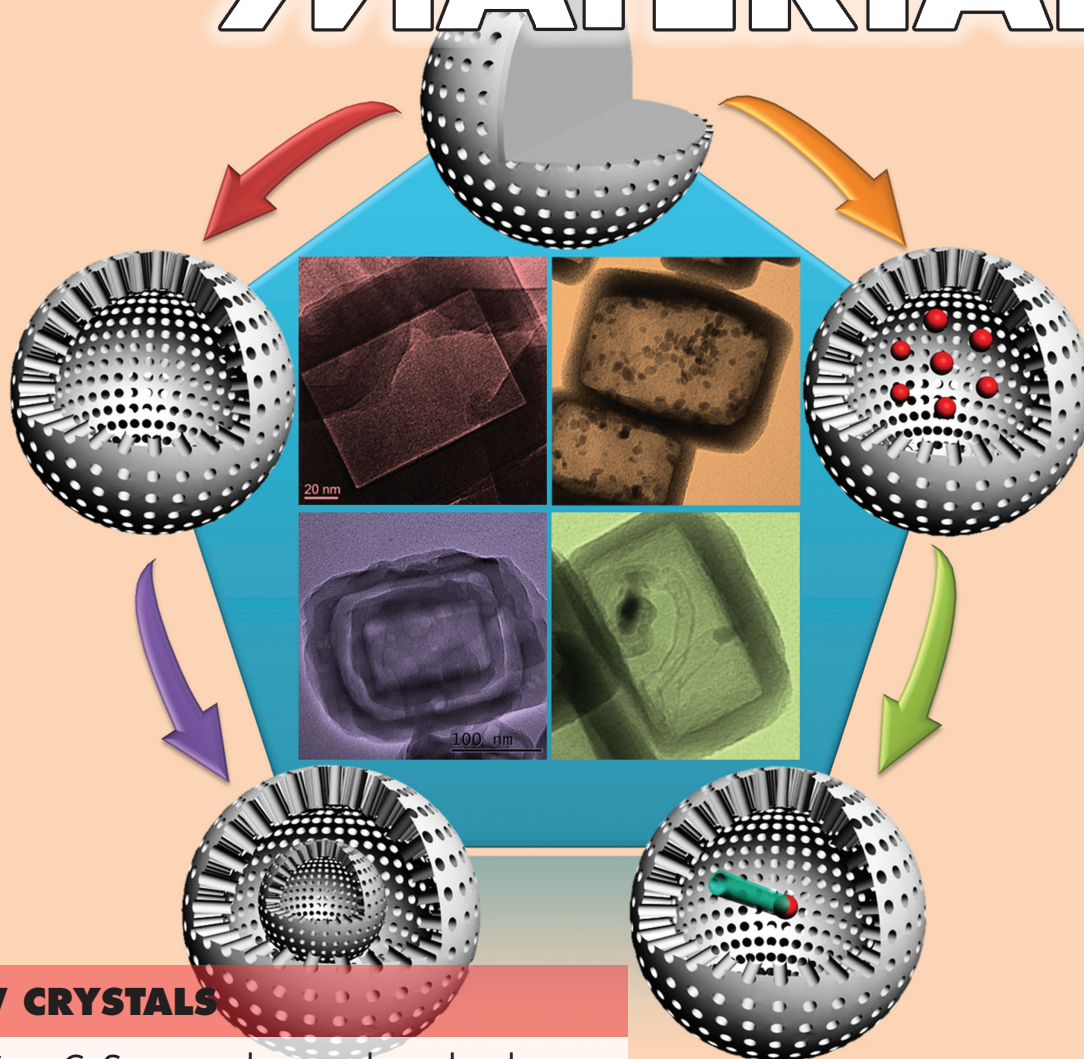


ADVANCED FUNCTIONAL MATERIALS



HOLLOW CRYSTALS

C. Dai, X. Guo, C. Song, and co-workers develop a versatile “dissolution–recrystallization” strategy to synthesize hollow nano-structured materials. The prepared nanostructures include ZSM-5 single crystals with silicon-rich exterior and acidic interior surface suitable for selective acid catalysis, ZSM-5 encapsulating Fe or Fe–Au, Cu–Pd, and Cu–Pt nanoparticles, ZSM-5 encapsulating carbon nanotubes, and ZSM-5 crystals with double shells.