ORAL DEFENCE ANNOUNCEMENT

WANG SHAOYAN
Morphological Transformation of Nanocrystals

The structure of organic/molecular crystals plays an important role in their properties and applications. But the shape control of organic crystals remains at a primitive level at the micro- or nanoscale. A simple and effective solution-phase strategy has been developed to achieve hexagonal C60 mesh networks by removing and embedding the co-solvent molecules. Understanding the mechanism of crystal transformation, solvent exchange as a new synthetic handle has been proposed. Not only molecular crystal (C60 or C70) but also organic crystals can be applied to construct complex nano-architectures.

Date: 6 December 2019
Time: 3.30 PM
Venue: Conference Room, Research & Graduate Studies Office, Level 2, SPMS
Supervisor: Prof Zhao Yanli