

Stable and Robust Metal-Organic Frameworks (MOFs)

Technology Overview

- Robust porous hybrid materials for next generation functional materials
- High hydrothermal stability
- Tunable porosity & surface properties
- Various applications(nanoparticles, composites, etc.)

Core Technologies

- High-throughput hydrothermal synthesis & large scale production of MOFs
- Novel MOF-polymer composites & various shaping methods
- Surface functionalization of MOFs
- Dehumidification, chemical sorption, adsorptive separation, etc.

Application Area and Advantages

- Energy-efficient dehumidification
- Separation & purification/Sorption & removal of chemicals

Accomplishments

- Publications in high impact journals including, *Angew. Chem. Int. Ed.*
- Strong IP Portfolios
- Looking for licensing & collaborative research opportunities

