## A Facile Method to Synthesize Mesoporous Hollow Silica Nanoparticles

<u>백연경</u>\*, 문종우, 김영국 재료연구소 (ykbaek@kims.re.kr\*)

The design and fabrication of hollow nanostructures has been of considerable interest due to their promising applications in biomedicine, optics and environmental catalysis, among which silica or silicon-based hollow spherical nanoparticles have been one of the hottest focuses because of their high surface area and pore volume, and facile surface modification and multi-functionalization. Thus, we report a facile method to fabricate hollow silica and mesoporous hollow silica nanoparticles via a wet etching combined with a templating process. The strategy employing for hollow nanostructures would provide the opportunities to enlarge the application areas.