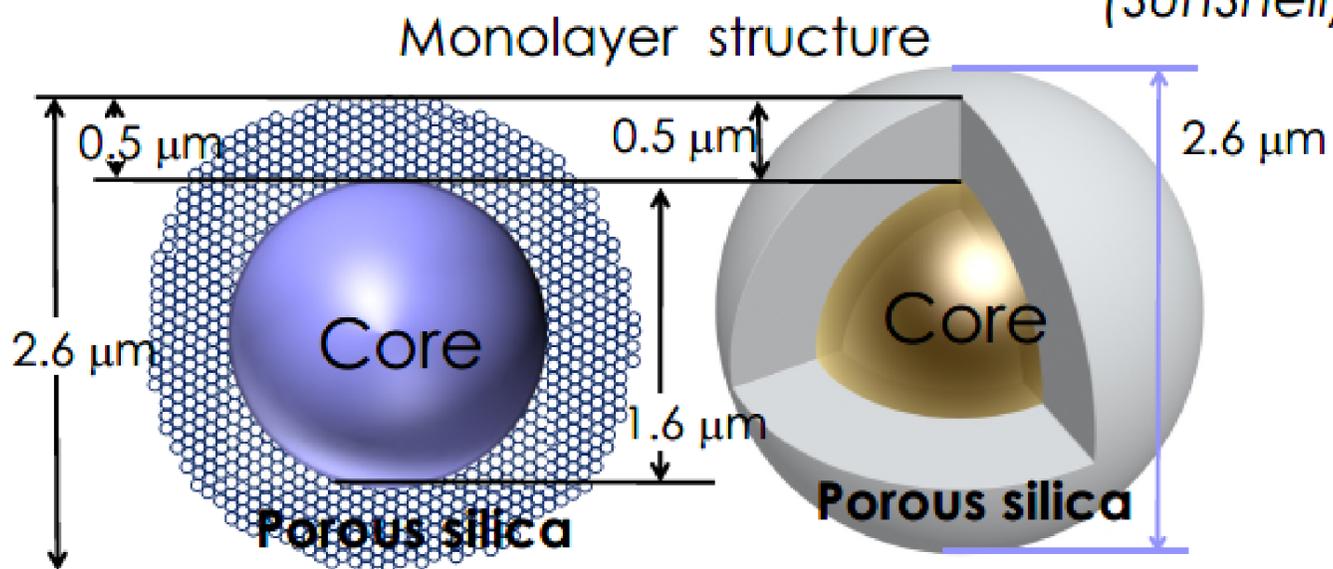


## Schematic Diagram of Core Shell silica (SunShell)



Particle diameter: 2.6  $\mu\text{m}$ , Core diameter: 1.6  $\mu\text{m}$ ,  
 Thickness of porous silica: 0.5  $\mu\text{m}$   
 Pore volume: 0.30mL/g, Specific surface area: 150  $\text{m}^2/\text{g}$ ,  
 Pore diameter: 9 nm  
 The ratio of porous silica volume: 77%

This slide shows a structure of our core shell particle, SunShell. Particle diameter is 2.6  $\mu\text{m}$ . Core diameter is 1.6  $\mu\text{m}$ . Thickness of the porous silica layer is 0.5  $\mu\text{m}$ . Pore volume is 0.3 mL/g. Specific surface area is 150  $\text{m}^2/\text{g}$ . Average pore diameter is 9 nm. Finally the ratio of porous silica volume is 77%.