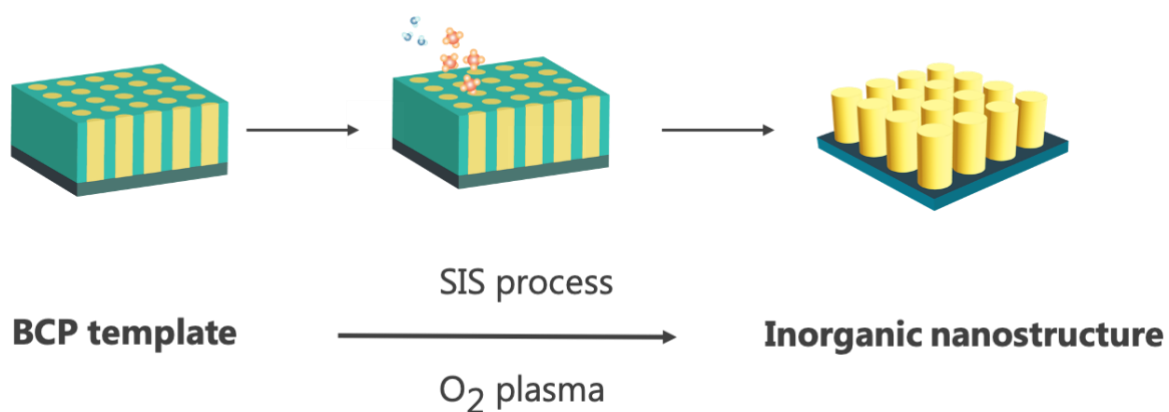
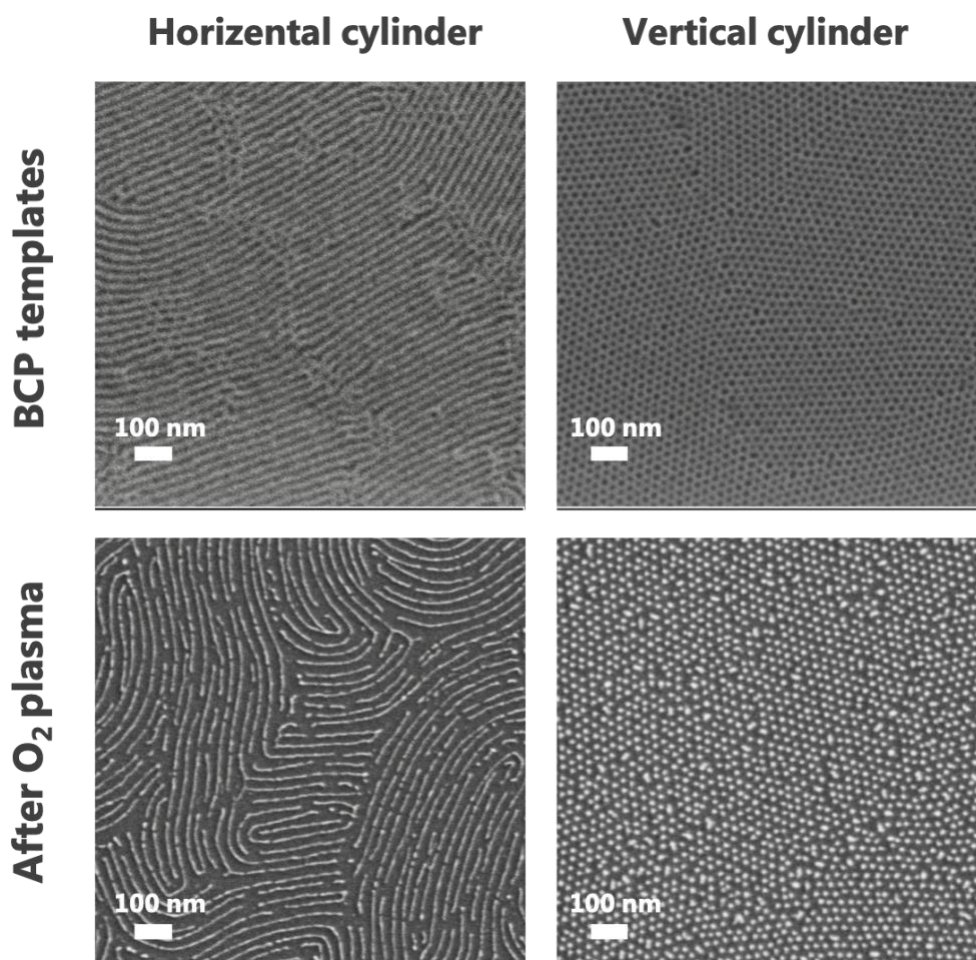


# Block Copolymer Templated HfO<sub>x</sub> Nanostructures – from Fundamental Understanding to Rational Design



**Figure 1.** Illustration of HfO<sub>x</sub> nanostructure fabrication process using block copolymer (BCP) as template via sequential infiltration synthesis (SIS).



**Figure 2.** SEM images of BCP templates in both horizontal-cylinder and vertical-cylinder morphologies (top) as well as HfO<sub>x</sub> nanostructures obtained after SIS fabrication process following with removal BCP templates by O<sub>2</sub> plasma (bottom).