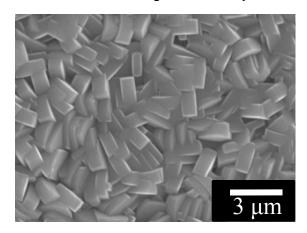
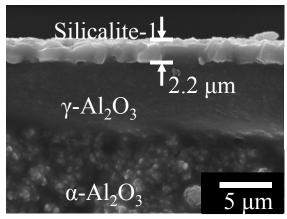
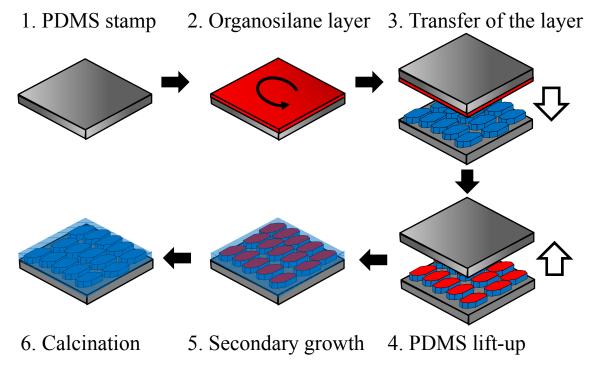
Understanding the Interface between Nanoporous Inorganic Materials and Polymer for Organic-Inorganic Composite Gas Separation Membranes

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- Model zeolite films prepared on Si with our new "micro-tile-and-mortar-joint "method vs. conventional method, showing a drastically different surface morphology







- A self-assembled silane monolayer was used as a passivation layer to prevent the out-of-plane growth, resulting in the oriented films and membranes with better grain boundary structure.

