



Application of Membrane Materials for Gas/Chemical Separation

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Separation is an important process in chemical industry, and its energy consumption occupies ~40% of the total chemical process. Membrane-based separation technology has garnered immense attention because of its low energy consumption, high separation efficiency, and small footprint, which has been widely utilized in the fields of water purification, gas separation, VOCs recovery, ion exchange, etc.

This Special Issue aims to collate papers that focus on the fabrication, characterization, modification, process engineering and application of various membrane materials, including polymeric membranes, inorganic membranes, mixed matrix membranes, etc., with the aim of achieving effective separation.

Dr. Zhihao Si
Guest Editor





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