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Highly permeable membranes enabled by film formation of block  
copolymers on water surface

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### **Abstract**

Separation membranes derived from block copolymers (BCPs) have attracted significant interest due to their well-defined pores and functional surfaces. However, it still remains a challenge to prepare ultrathin BCP composite membranes in an efficient way. Here we report a facile approach for the fabrication of ultrathin BCP composite membranes by forming thin films on

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