

Rapid Thermal Processing and Separation Performance of Columnar MFI Membranes on Porous Stainless Steel Tubes

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Supporting Online Material

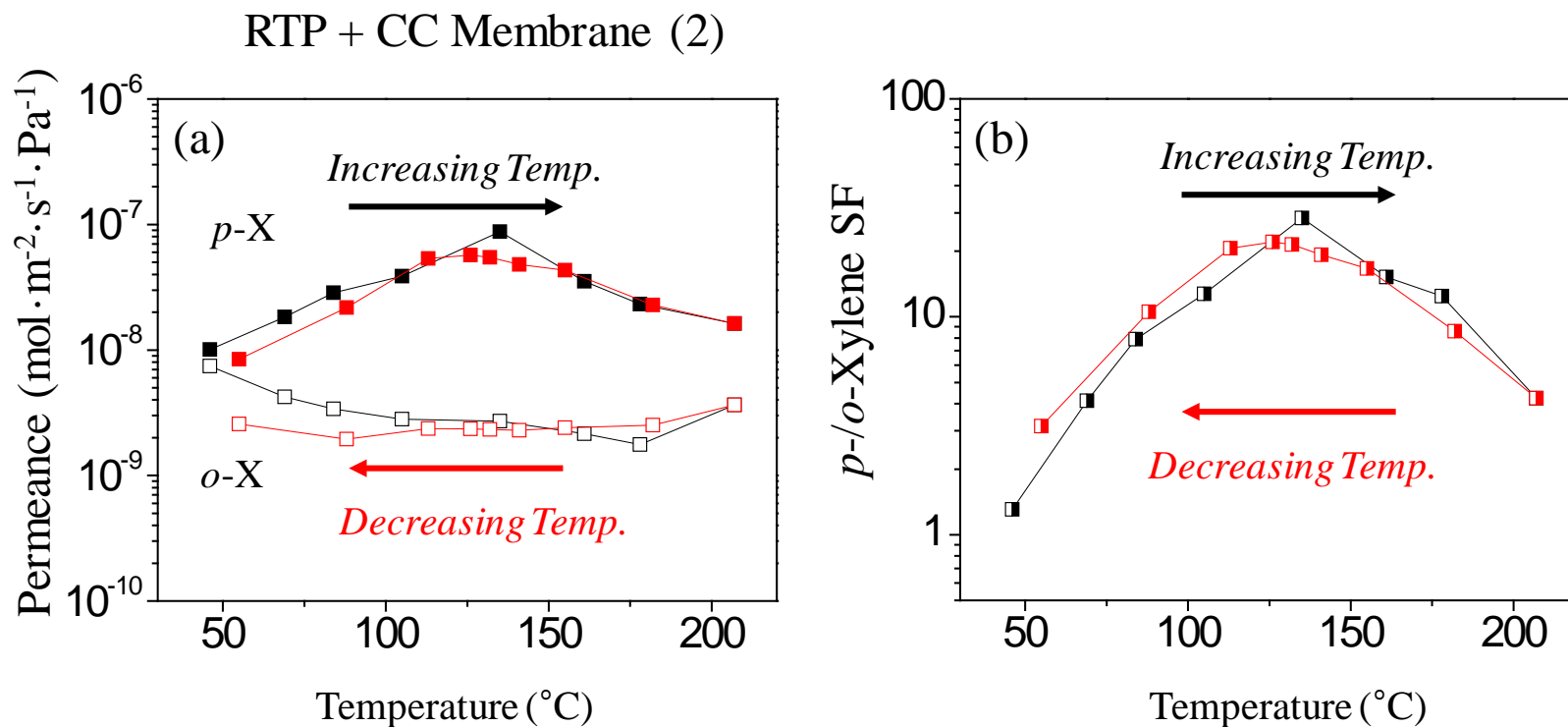


Figure S1. (a) Permeances of *p*-xylene (filled symbols) and *o*-xylene (open symbols), and (b) the corresponding *p*-/*o*-xylene separation factors (SF) for a membrane subjected to RTP+CC. Permeation measurements with a heating-cycle were carried out by increasing and then decreasing the permeation cell temperature: the black symbols represent the permeation data obtained with increasing temperature, while the red symbols are permeation data obtained with decreasing temperature.

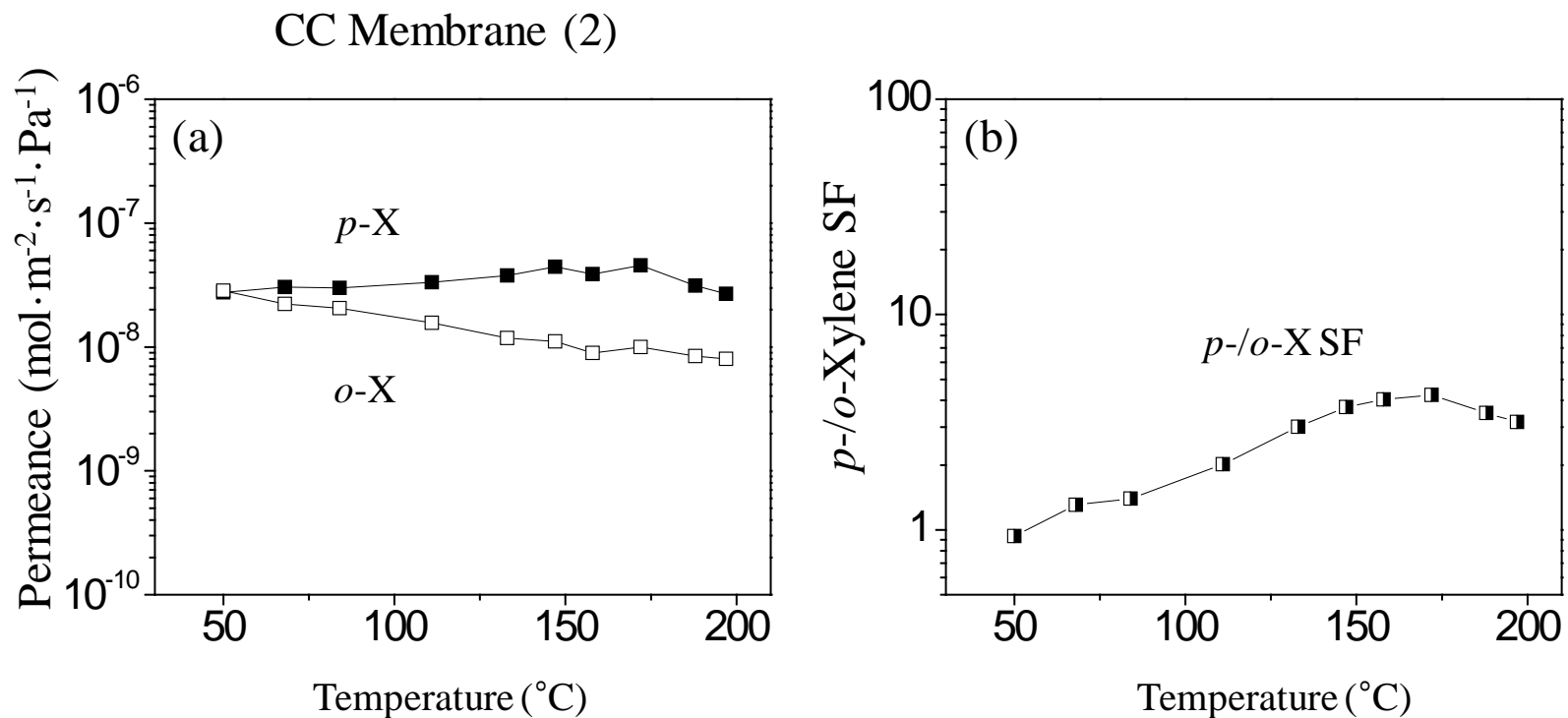


Figure S2. (a) Permeances of *p*-xylene (filled symbols) and *o*-xylene (open symbols), and (b) the corresponding *p*-/*o*-xylene separation factors (SF) for a membrane subjected to conventional calcination (CC).

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