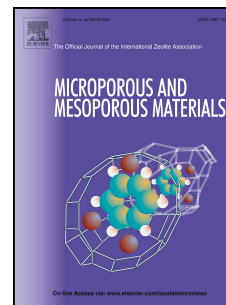


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A novel strategy to enhance hydrothermal stability of Pd-doped organosilica membrane for hydrogen separation

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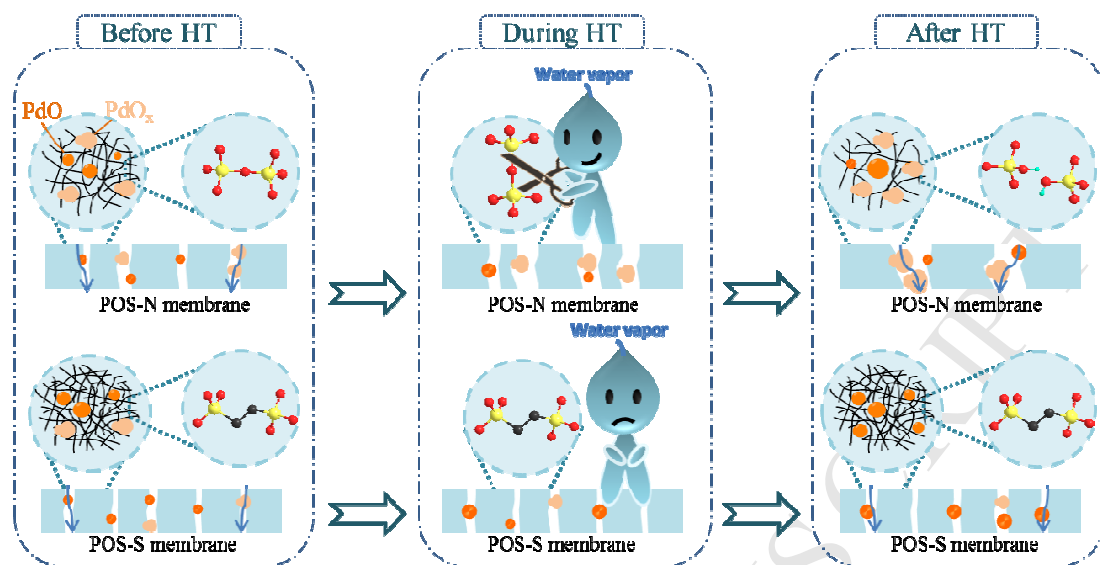
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Graphic Abstract



As the content of $\text{SiO}_{4/2}$ in the POS-S membrane is very low, so Si-O-Si groups are not displayed to simplify the schematic diagram.
 IIT = hydrothermal treatment; PdO_x = Intermediate Pd oxide

● O ● C ● Si ● H

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