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Preparation of Thin Palladium Membrane on Porous Stainless Steel Support Modified with Cerium Hydroxide

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A thin palladium membrane can be produced on a stainless steel porous support modified with cerium hydroxide. The membrane with the thickness of 8 μm , prepared by electroless plating, is almost defect-free, and the hydrogen permeation is as high as that with palladium membranes supported on porous ceramics.

Keywords: [Palladium membrane](#), [Hydrogen separation](#), [Porous stainless steel](#), [Electroless plating](#)



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