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Hydrogenation of Naphthalene over Pd/TiO₂-SiO₂ Catalysts

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TiO₂-SiO₂ supports were prepared by impregnation of Ti(OCH(CH₃)₂)₄ on SiO₂. These supports were characterized by use of BET surface area and XRD. Pd catalysts supported on TiO₂-SiO₂ binary oxides showed the higher catalytic activity for naphthalene hydrogenation as compared with that supported on SiO₂ or TiO₂, and the optimum TiO₂ content was 20%.

Keywords: [Naphthalene hydrogenation](#), [Supported palladium catalyst](#), [Hydrogenation catalyst](#), [Titania silica support](#)



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