Journal of the Japan Petroleum Institute
The Japan Petroleum Institute

ONLINE ISSN : 1349-273X
PRINT ISSN : 1346-8804

Journal of the Japan Petroleum Institute
Vol. 46 (2003) , No. 1 pp.84-85

[PDF (520K)] [References]

Hydrogenation of Naphthalene over Pd/TiO_2-SiO_2 Catalysts

Koki ITO[1)], Junichi TAMURA[1)], Masa-aki OHSHIMA[1)], Hideki KUROKAWA[1)], Kazuo SUGIYAMA[1)] and Hiroshi MIURA[1)]

1) Dept. of Applied Chemistry, Faculty of Engineering, Saitama University

TiO_2-SiO_2 supports were prepared by impregnation of $Ti(OCH(CH_3)_2)_4$ on SiO_2. These supports were characterized by use of BET surface area and XRD. Pd catalysts supported on TiO_2-SiO_2 binary oxides showed the higher catalytic activity for naphthalene hydrogenation as compared with that supported on SiO_2 or TiO_2, and the optimum TiO_2 content was 20%.

Keywords: Naphthalene hydrogenation, Supported palladium catalyst, Hydrogenation catalyst, Titania silica support

[PDF (520K)] [References]

Cited JST Link Center

doi:10.1627/jpi.46.84
JOI JST.JSTAGE/jpi/46.84