

REFERENCES

- Bangala, D., Abatzoglou, N. N., and Chornet, E. (1998). Steam Reforming of Naphthalene on Ni-Cr/Al₂O₃ Catalysts Doped with MgO, TiO₂ and La₂O₃. AIChE Journal, 44, 927-936.
- Barbier, J., Jr., and Duprez, D. (1992). Hydrogen Formation in Propane Oxidation on Pt-Rh/CeO₂/Al₂O₃. Applied Catalysis A, 85, 89-100.
- Besenbacher, F., Chorkendorff, I., Clausen, B. S., Hammer, B. A., Molenbroek, M., Norskov, J. K., and Stensgaard, I. (1998). Design of a Surface Alloy Catalyst for Steam Reforming. Science, 279, 1913-1915.
- Clarke, S. H., Dicks, A. L., Pointon, K., Smith, T. A., and Swann, A. (1997). Catalytic Aspect of the Steam Reforming of Hydrocarbons in Internal Reforming Fuel Cells. Catalyst Today, 38, 411-423.
- Chen, I., and Chen, F. (1990). Effect of Alkali and Alkaline-Earth Metals on the Resistivity to Coke Formation and Sintering of Nickel-Alumina Catalysts. Industrial Engineering Chemical Research, 29, 534-539.
- Chen, P., Zhang, H., Lin G., and Tsai, K. (1998). Development of Coking-Resistant Ni-Based Catalyst for Partial Oxidation and CO₂-Reforming of Methane to Syngas. Applied Catalysis A, 166, 343-350.
- Cheng, Z., Wu, Q., Li, G., and Tsai, K. (1998). Effects of Promoters and Preparation Procedures on Reforming of Methane with Carbon Dioxide over Ni/Al₂O₃ Catalyst. Catalyst Today, 30, 147-155.
- Chodhary V. R. Rajput, A. M., and Uphade, B. (1998). Simultaneous Steam and CO₂ Reforming of Methane to Syngas over NiO/MgO/SA-5205 in the Presence and Absence of oxygen. Applied Catalysis A, 168, 33-46.

- Christensen, T. S., and Primdahl, I. (1994). Improve Syngas Production Using Autothermal Reforming. Hydrocarbon Processing, 73, 39-46.
- Demicheli, M., Duprez, C. D., Barbier, J., Ferretti, O. A., and Ponzi, E. N. (1994). Deactivation of Steam Reforming Model Catalysts by Coke formation, II. Promotion with Potassium and Effect of Water. Journal of Catalysis, 145, 437-449.
- Hegarty, M. E. S., O'Conner, A. M., and Ross, J. R. H. (1998). Syngas Production from Natural gas Using ZrO₂-Supported Metals. Catalysis Today, 42, 255-232.
- Larsson, M., Hulteh, M. E., Blekkan, A., and Andersson, B. (Submitted for publication in Journal of Catalysis).The effect of reaction conditions and time on stream on the coke formed during propane dehydrogenation: An extensive temperature-programmed oxidation study.
- Ma, L., Trimm, D. L., and Jiang, C. (1996). The Design and Testing of An Autothermal Reactor for the Conversion of Light Hydrocarbons to Hydrogen I. The Kinetics of the Catalytic Oxidation of Light Hydrocarbon, Applied Catalysis A, 138, 275-283.
- Pena, M. A., Gomez, J. P., and Fierro J. L. G. (1996). New Catalytic Routes for Syngas and Hydrogen Production. Applied Catalysis A, 144, 7-57.
- Rodriguez, J. C., Romeo, E., Fierro, J. L. G., Santamaria, J., and Monzon A. (1997). Deactivation by Coking and Poisoning of Spinel-Type Ni Catalyst. Catalyst Today, 37, 255-265.
- Rodriguez, N., Kim, M. M., Fortin, S. F., Mochida I., and Baker, R. T. K. (1997). Carbon Deposition on Iron-Nickel Alloy Particles. Applied Catalysis A, 148, 265-282.
- Rostrup-Nielsen, J. R. (1984). Catalytic Steam Reforming. Berlin: Mercedes-Duck.

- Sarbak, Z. (1999). Characterization and Infared Study of the Effect of Cr, Mo and W on Carbon Deposition on Platinum/Aluminum. Applied Catalysis A, 177, 85-97.
- Scatterfield, C. N. (1991). Heterogeneous Catalysis in Industrial Practice, 2 nd ed. New York: McGraw-Hill.
- Tang, S., Lin, J., and Tan, K. L. (1998). Partial Oxidation of Methane to Syngas over Ni/MgO, Ni/ CaO and Ni/CeO₂. Catalysis Letters, 51, 169-175.
- Tiernan, M. J., and Finlayson, O. E. (1998). Effects of Ceria on the Combustion Activity and Surface Properties of Pt/Al₂O₃ Catalysts. Applied Catalysis B, 19, 23-25.
- Trimm, D. L. (1997). Coke Formation and Minimisation during Steam Reforming Reactions. Catalyst Today, 37, 233-238.
- Twigg, M. V. (1989). Catalyst Handbook, 2 nd ed. London: Wolfe Publishing.
- Yamazaki, O., Tomishige, K., and Fujimoto, K. (1996). Development of Highly Stable Nickel Catalyst for Methane-Steam Reaction under Low Steam to Carbon Ratio. Applied Catalysis A, 136, 49-56.



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