

REFERENCES

- Armor, J.N. (1999). The multiple roles for catalysis in the production of H₂. Applied Catalysis A:General, 176(2), 159-176.
- 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.
- 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 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.
- Christine, B., Guihaume, N., Garbowski, E., and Primet, M. (2000). Combustion of methane on CeO₂-ZrO₂ based catalysts. Catalysis Today, 59, 33-45.
- Clake, S.H., Dicks, A.L., Pointon, K., Smith, T.A., and Swann, A. (1997). Catalytic aspects of the steam reforming of hydrocarbons in internal reforming fuel cells. Catalysis Today, 38, 411-423.
- Colon, G., Valdivieso, F., Pijolat, M., Baker, R.T., Calvino, J.J., and Bernal, S., (1999). Textural and phase stability of Ce_xZr_{1-x}O₂ mixed oxides under high temperature oxidising conditions. Catalysis Today, 50, 271-284.
- Cracuin, R., and Gorte, R.J., (1999). Steam reforming of methane on CeO₂-promoted Pd and Ni catalysts. Revue Roumaine de Chimie, 44, 1085-1089.
- Dicks, A.L. (1996). Hydrogen production from natural gas for the fuel cell systems of tomorrow. Journal of Power Source, 61, 113-245.
- Fornasiero, P., Balducci, G., Di Monte, R., Kaspar, J., Sergio, V., Gubitosa, G., Ferrero, A, and Graziani, M. (1996). Modification of the redox behaviour of CeO₂ induced by structural doping with ZrO₂. Journal of Catalysis, 164, 173-183.
- Hairston, D. (1996). H₂ production from methane through catalytic partial oxidation reactions. Chemical Engineering, February, 59.

- Hegarty, M.E.S., O'Conner, A.M., and Ross, J.R.H. (1998). Syngas production from natural gas using ZrO₂-support metals. Catalysis Today, 42, 225-232.
- Otsuka, K., Wang, Y., and Nakamura, M. (1999). Direct conversion of methane to synthesis gas through gas-solid reaction using CeO₂-ZrO₂ solid solution at moderate temperature. Applied Catalysis A:General, 183(2), 317-324.
- Pena, M.A., Gomez, J.P., and Fierro, J.L.G. (1996). New catalytic routes for syngas and hydrogen production. Applied Catalysis A:General, 144, 7-57.
- Praharso, M.L., and Trimm, D.L. (1999). Rare-earth oxides promoted nickel based catalysts for steam reforming. Rare Earths'98, 315(3), 187-193.
- Satterfield, C.N. (1991). *Heterogeneous Catalysis in Industrial Practice*. New York: McGraw-Hill.
- Scholz, W.H. (1993) Membrane reforming for H₂, Gas Separation Purifier, 7, 131.
- Trimm, D.L. (1999). Catalysts for control of coking during steam reforming. Catalysis Today, 49, 3-10.
- Trovarelli, A., De Leitenburg, C., and Dolcetti, G. (1997). Design better cerium-based oxidation catalysts. Chemtech, 27(6), 32-37.
- Twigg, M.V. (1989). *Catalyst Handbook*, London: Wolf Publishing.
- Wang, S., and Lui, G.Q. (1998). Reforming of methane with carbon dioxide over Ni/Al₂O₃ catalysts: Effect of nickel precursor. Applied Catalysis A:General, 169(2), 271-280.
- 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, 49-46.

CURRICULUM VITAE

Name: Anantri Chitranont

Date of Birth: 16 January 1979

Nationality: Thai

University Education:

1996-2000 Bachelor Degree of Engineering in Chemical Engineering, King Mongkut's University of Technology Thonburi, Bangkok, Thailand.