

REFERENCES

- Acres, G.J.K., Frost, J.C., Hards, G.A., Potter, R.J., Ralph, T.R., Thompsett, D., Brstein, G.T., and Hutchings, G.J. (1997). Electrocatalysts for Fuel Cell. Catalysis Today, 38, 393-400.
- Avgouropoulos, G., Ioannides, T., Papadopoulou, Ch., Batista, J., Hocevar, S., and Matralis, H.K. (2002). A comparative study of Pt/ γ -Al₂O₃, Au/ α -Fe₂O₃ and CuO-CeO₂ catalysts for the selective oxidation of carbon monoxide in excess hydrogen. Catalysis Today, 75, 157-167.
- Bethke, G.K. and Kung, H.H. (2000). Selective CO oxidation in hydrogen-rich stream over Au/ γ -Al₂O₃ catalyst. Applied Catalysis A: General, 194-195, 43-53.
- Bond, G. and Thompson, D. (1999). Catalysis by gold. Catalysis Reviews, 41 (3&4), 319-388.
- Cheng, W.H. (1996). Selective CO oxidation in the presence of H₂ over Cu/Cr/Ba catalysts. Reaction Kinetic Catalyst Letter, 58, 329-334.
- Farrell, K.A. (2001). Synthesis Effects on Grain Size and Phase Content in the Anatase-Rutile TiO₂ System. M.S. Thesis in Materials Science and Engineering, Faculty of Materials Science and Engineering, Worcester Polytechnic Institute.
- Haruta, M. (1997). Size-and support-dependency in the catalysis of gold. Catalysis Today, 36, 153-166.
- Haruta, M. (1997^c). Novel catalysis of gold deposited on metal oxides. Catalysis Surveys of Japan, 1, 61-73.
- Haruta, M., Ueda, A., Tsubota, S., and Torres Sanchez, R.M. (1996). Low temperature catalytic combustion of methanol and its decomposed derivatives over supported gold catalysts. Catalysis Today, 29, 443-447.
- Hoflund, G.B., Gardner, S.D., Schryer, D.R., Upchurch, B.T., and Kiulin, E.J. (1995). Effect of CO₂ on the performance of Au/MnO_x and Pt/SnO_x low temperature CO oxidation catalysts. Langmuir, 12, 3431-3434.
- Igarashi, H., Uchida, H., Suzuki, M., Sasaki, Y. and Watanabe, M. (1997). Removal of carbon monoxide from hydrogen-rich fuels by selective oxidation over

- platinum catalyst supported on zeolite. Applied Catalysis A: General, 159, 159-169.
- Ito, S.I., Fujimori, T., Nagashima, K., Yusaki, K., and Kunimori, K. (2000). Strong Rhodium-Niobia interaction in Rh/Nb₂O₅, Rh/Nb₂O₅-Rh/SiO₂ and Rh/NbO₄/SiO₂ catalysts application to selective CO oxidation and CO hydrogenation. Catalysis Today, 57, 247-254.
- Kahlich, M.J., Gasteiger, H.A., and Behm, R.J. (1997). Kinetics of the Selective CO Oxidation in H₂-rich Gas on Pt/Al₂O₃. Journal of Catalysis, 171 , 93-105.
- Kahlich, M.J., Gasteiger, H.A., and Behm, R.J. (1999). Kinetics of the selective low-temperature oxidation of CO in H₂-rich gas over Au/- α Fe₂O₃. Journal of Catalysis, 182, 430-440.
- Ko, E.I. (1994). Preparation of solid catalyst. In G. Ertl, H. Knozinger, and J. Weitkamp (Eds.), Handbook of heterogeneous catalyst (pp.86-94). VCH Verlagsgesellschaft mbH, Weinheim (Federal Republic of Germany).
- Korotkikh, O. and Farrauto, R. (2000). Selective catalytic oxidation of CO in H₂:fuel cell applications. Catalysis Today, 62, 249-254.
- Kung, H.H. and Ko, E.I. (1996). Preparation of oxide catalysts and catalyst supports-a review of recent advances. The Chemical Engineering Journal, 64, 203-214.
- Livage, J. (1998). Sol-gel synthesis of heterogeneous catalysts from aqueous solution. Catalysis Today, 41, 3-19.
- Oh, S.H. and Sinkevitch, R.M. (1993). Carbon monoxide removal from hydrogen-rich fuel cell feedstreams by selective catalytic oxidation. Journal of Catalysis, 142, 254-262.
- Park, E.D. and Lee, J.S. (1999). Effect of pretreatment conditions on CO oxidation over supported Au catalysts. Journal of Catalysis, 186, 1-11.
- Perego, C. and Villa, P. (1997). Catalyst preparation method. Catalysis Today, 34, 281-305.
- Pinna, F. (1998). Supported metal catalysts preparation. Catalysis Today, 41, 129-137.

- Sakurai, H., and Haruta, M. (1996). Synergism in methanol synthesis from carbon dioxide over gold catalysts supported on metal oxides. Catalysis Today, 29, 361-365.
- Torres Sanchez, R.M., Ueda, A., Tanaka, K., and Haruta, M. (1997). Selective oxidation of CO in hydrogen over gold supported on manganese oxides. Journal of Catalysis, 168 (1), 125-127.
- Tsubota, S., Cunningham, D.A.H., Bando, Y., and Haruta, M. (1995). Preparation of nanometer gold strongly interacted with TiO₂ and the structure sensitivity in low-temperature oxidation of CO. Preparation of Catalysis VI, 227-235.

CURRICULUM VITAE

Name: Ms. Oranan Khongkruaphan
Date of Birth: October 31, 1976
Nationality: Thai
University Education:
1995-1999 B. Eng. (2nd Class Hons.) in Chemical Engineering,
Srinakharinwirot University,
Bangkok, Thailand