

REFERENCES

- Bamwenda, R. G., Tsubota S., Nakamura T. and Haruta, M. (1996). The influence of the preparation methods on the catalytic activity of platinum and gold supported on TiO₂ for CO oxidation. Catalysis Letters, 44, 83-87.
- Bocuzzi, F., Chirino, A., Tsubota, S., and Haruta, M. (1996). FTIR study of carbon monoxide oxidation and scrambling. The Journal of Physical Chemistry, 100, 3625-3631.
- Chen, B., Bai, C., Cook, R., Wright, J., and Wang, C. (1996). Gold/cobalt oxide catalysts for oxidative destruction of dichloromethane. Catalysis Today, 30, 15-20.
- Haruta, M. (1997a). Gold as a low temperature oxidation catalyst: Factors controlling activity and selectivity. Studies in Surface Science and Catalysis, 110, 123-134.
- Haruta, M. (1997b). Size- and support-dependency in the catalysis of gold. Catalysis Today, 36, 153-166.
- Haruta, M. (1997c). Novel catalysis of gold deposited on metal oxides. Catalysis Surveys of Japan, 1, 61-73.
- Haruta, M., Tsubota, S., Kobayashi, T., Kageyama, H., Genet, M.J., and Delmon, B. (1993). Low temperature oxidation of CO over gold supported on TiO₂, α -Fe₂O₃, and Co₃O₄. Journal of Catalysis, 144(1), 175-192.
- Haruta M., and Ueda, A. (1998). Reduction of nitrogen monoxide with propene over Au/Al₂O₃ mixed mechanically with Mn₂O₃. Applied Catalysis B: Environmental, 18, 115-121.
- Haruta, M., Ueda, A., Tsubota, S. and Sanchez, R.M.T. (1996). Low temperature catalytic combustion of methanol and its decomposed

- derivatives over supported gold catalysts. Catalysis Today, 29, 443-447.
- Haruta, M., Uphade, B.S., Tsubota, S., and Miyamoto, A. (1998). Selective oxidation of propylene over gold deposited on titanium-based oxides. Research on Chemical Intermediates, 24(3), 329-336.
- Haruta, M., Yamada, N., Kobayashi, T., and Iijima, S. (1989). Gold catalysts prepared by coprecipitation for low-temperature oxidation of hydrogen and of carbon monoxide. Journal of Catalysis, 115, 301-309.
- Hayashi, T., Tanaka, K., and Haruta, M. (1996, March 24-29). Selective partial oxidation of hydrocarbons over Au/TiO₂ catalysts. Paper presented at Heterogeneous Hydrocarbon Oxidation Symposium, American Chemical Society, New Orleans, LA, United States of America.
- Kalvacev, Y.A., Hayashi, T., Tsubota, S., and Haruta, M. (1997). Selective partial oxidation of propylene to propylene oxide on Au/Ti-MCM catalysts in the presence of hydrogen and oxygen. Studies in Surface Science and Catalysis, 110, 965-972.
- Kung, H. H. and Ko, I.E. (1996). Preparation of oxide catalysts and catalyst supports-a review of recent advances. The Chemical Engineering Journal, 64, 203-214.
- Lee, J. and Tak, Y. (1999). The preparation of yttrium oxide film deposited by electrochemical method. Journal of Industrial and Engineering Chemistry, 5(2), 139-142.
- Luo, M., Yuan, X., and Zheng, X. (1998) Catalyst characterization and activity of Ag-Mn, Ag-Co and Ag-Ce composite oxides for oxidation of volatile organic compounds. Applied Catalysis A : General, 175, 121-129.

- Pinna, F. (1998). Supported metal catalyst preparation. Catalysis Today, 41, 129-137.
- Sakurai, H. and Haruta, M. (1995). Carbon dioxide and carbon monoxide hydrogenation over gold supported on titanium, iron, and zinc oxides. Applied Catalysis A : General, 127, 93-105.
- 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.
- Sakurai, H., Ueda, A., Kobayashi, T., and Haruta, M. (1997) Low-temperature water-gas shift reaction over gold deposited on TiO₂. Chemical Communications, 271-272.
- Sanchez, R., M. T., Ueda, A., Tanaka, K., and Haruta, M. (1997). Selective oxidation of CO in hydrogen over gold supported on manganese oxides. Journal of Catalysis, 168, 125-127.
- Sukjit, D. (1999) Interaction of mono-and bimetallic ruthenium catalysts with oxygenated compounds. M.S. Thesis in Petrochemical Technology, The Petroleum and Petrochemical College, Chulalongkorn University.
- Tanaka, K., Hayashi, T., and Haruta, M. (1996). Analytical study of structural sensitive property of Au/TiO₂ catalyst. Paper presented at Interface Science and Material Interconnection Proceedings of JIMS-8, The Japan Institute of Metals, Japan.
- 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 Catalysts VI, 227-235.
- Vogel, W., Cunningham, D. A. H., Tanaka, K., and Haruta, M. (1996). Structural analysis of Au/Mg(OH) during deactivation by Debye function analysis. Catalysis Letters, 40, 175-181.

CURRICULUM VITAE

Name: Apiwat Rattanachatchai

Date of Birth: August 24, 1976

Nationality: Thai

University Education:

1994-1998 Bachelor Degree of Science in Industrial Chemistry with
Second Class Honors.

King Mongkut's Institute of Technology Ladkrabang,
Bangkok, Thailand