REFERENCES

Avgouropoulos, G., Ioannides, T., Papadopoulou, C., Batista, J., Hocevar, S., Matralis, H.K. (2002) A comparative study of Pt/γ-Al_2O_3, Au/α-Fe_2O_3 and CuO–CeO_2 catalysts for the selectiveoxidation of carbon monoxide in excess hydrogen Catalysis Today, 75(1-4), 157-67.

Baerlocher, C., Meier, W.H., Olson, D.H. "Database of zeolite structure." IZA-SC. 2007. 19 April 2014 <http://www.iza-structure.org/databases/.>

Bell, R.G. "What are Zeolites?" Minerals Education Coalition. May 2001. 19 April 2014 <http://www.mineralseducationcoalition.org/minerals/zeolites.>

Bernay, C., Marchand, M., Cassir, M. (2002) Prospects of different fuel elltechnologies for vehicle applications. Journal of Power Sources, 108(1-2), 139-152.

David, M.E. "Zeolite Synthesis." Mark E. Davis Research Group .August 2012. 15 August 2012 <http://www.che.caltech.edu/groups/med/catalysis.html.>

Gandía, F.J.V., Murcia, A.B., Castelló, D.L., and Amorós, D.C. (2011) Zeolite A/carbon membranes for H_2 purification from a simulated gas reformermixture. Journal of Membrane Science, 378(1-2), 407-414.

Gittleman, C.S., Watanabe, K., Bell, A.T., and Radke, C.J. (1996) A mechanistic study of the synthesis of zeolite SSZ-24. Microporous Materials, 6(3), 131-150.

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 catalystsupported on zeolite. Applied Catalysis A: General, 159(1-2), 159-169.

Kudo, S., Maki, T., Yamada, M., and Mae, K. (2010) A new preparation method of Au/ferric oxide catalyst for low temperature CO oxidation. Chemical Engineering Science, 65(1), 214-219.

Kahlich, M.J., Gasteiger, H.A., and Behm, R.J. (1997) Kinetics of the Selective CO Oxidation in H_2-Rich Gas on Pt/Al_2O_3. Journal of catalysis, 171(1), 93-105.

Liu, H.H., Wang, Y., Jia, A.P., Wang, S.Y., Luo, M.F., and Lu, Q.J. (2014) Oxygen vacancy promoted CO oxidation over Pt/CeO_2 catalysts: A reaction at Pt–CeO_2 interface. Applied Surface Science 314, 725–734.

Luengnaruemitchai, A., Nimsuk, M., Naknam, P., Wongkasemjit, S., and Osuwan, S. (2008) A comparative study of synthesized and commercial A-type zeolite-supported Pt catalysts for selective CO oxidation in H_2-rich stream. International Journal of Hydrogen Energy, 33(1) , 206-213.

McCrady, E. "Zeolites." Abbey Newsletter. December 1996. 19 April 2014 <http://cool.conservation-us.org/byorg/abbey/an/an20/an20-7/an20-702.html.>

Naknam[1], P., Luengnaruemitchai, A., and Wongkasemjit, S. (2009) Au/ZnO and Au/ZnO–Fe_2O_3 prepared by deposition–precipitation and their activity in the preferential oxidation of CO" Energy & Fuels, 23, 5084-5091.

Naknam[2], P., Luengnaruemitchai, A., and Wongkasemjit, S. (2009) Preferential CO oxidation over Au/ZnO and Au/ZnO–Fe_2O_3 catalysts prepared by photodeposition. International Journal of Hydrogen Energy, 34(24), 9838-9846.

Rosales, N.K.G., Ayastuy, J.L., Marcos, P.G., and Ortiz, M.A.G. (2012) Oxygen-enhanced water gas shift over ceria-supported Au-Cu bimetallic catalysts prepared by wet impregnation and deposition-precipitation. International Journal of Hydrogen Energy, 37(8), 7005-7016.

Rosso, I., Galleti, C., Saracco, G., Garrone, E., and Specchia, V. (2004) Development of A Zeolites-supported noble-metal catalysts for CO preferential oxidation: H_2 gas purification for Fuel Cell. Applied Catalysis B: Environmental, 48(3), 195-203.

Sathupunya, M., Gulari, E., Jamieson, A., and Wongkasemjit, S. (2004) Microwave-assisted preparation of zeolite K–H from alumatrane andsilatrane. Microporous and Mesoporous Materials, 69(3), 157-164.

Sathupunya, M., Gulari, E., and Wongkasemjit, S. (2003) Na-A (LTA) zeolite synthesis directly from alumatrane andsilatrane by sol-gel microwave techniques. Journal of the European Ceramic Society, 23(8), 1293–1303.

Sathupunya, M., Gulari, E., and Wongkasemjit, S. (2004) Microwave preparation of Li-zeolite directly from alumatrane and silatrane. Materials Chemistry and Physics, 83(1), 89-95.

Schubert, M.M., Venugopal, A., Kahlich, M.J., Plzak, V., and Behma, R.J. (2004) Influence of H_2O and CO_2 on the selective CO oxidation in H_2-rich gasesover Au/α-Fe_2O_3. Journal of Catalysis, 222(1), 32-40.

Shellswell, S. "Zeolite.". Everyscience 2004. 19 April 2014 <http://www.everyscience.com/Chemistry/Inorganic/Solid_State/g.1238.php.>

Son, I.H., Shamsuzzoha, M., and Lane, A.M. (2002) Promotion of Pt/γ -Al_2O_3 by New Pretreatment for Low-Temperature Preferential Oxidation of CO in H_2 for PEM Fuel Cells. Journal of Catalysis, 210(2), 460-465.

Song, C. (2002) Fuel processing for low-temperature and high-temperature fuelcells challenges, and opportunities for sustainable development in 21stcentury. Catalysis Today, 77(1-2), 17-49.

Xu, B.R., Pang, W, Jihong Yu, Huo, Q, and Chen, J. (2007) Chemistry of Zeolites and Related Porous Materials: Synthesis and Structure. Singapore: John Wiley.

Yu, W.Y., Lee, W.S., Yang, C.P., and Wan, B.Z. (2007) Low-temperature preferential oxidation of CO in a hydrogen rich stream (PROX) over Au/TiO_2:Thermodynamic study and effect of gold-colloid pH adjustment time on catalytic activity. Journal of the Chinese Institute of Chemical Engineers, 38(2), 151-160.

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