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학력

- 아주대학교 화공신소재공학부 학사 02.2006
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연구경력

- SK Innovation Global Technology Energy Process Lab. 10.2011 - 01. 2013
Researcher
- SK Innovation Global Technology Base Oil Technology Lab. 02.2013 - 12. 2013
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연구분야

- 기유 제조 공정 최적화
- 탈왁스 촉매 개발
- 기유 제품 고부가화

Journal

- 1) **Y.H. Kim**, E.D. Park, H.C. Lee, K.H. Lee, S. Kim, "Selective CO removal in the H₂-rich stream through a double-bed system composed of non-noble metal catalysts", Studies in Surface Science and Catalysis, 167 (2007) 171-176.

- 2) **Y.H. Kim**, E.-Y. Ko, E.D. Park, H.C. Lee, D. Lee, S. Kim, "Preferential CO Oxidation over Pt-Ni/ γ -Al₂O₃", *Studies in Surface Science and Catalysis*, 172 (2007) 285-288.
- 3) **Y.H. Kim**, E.D. Park, H.C. Lee, D. Lee, K.H. Lee, "Preferential CO Oxidation over Supported Noble Metal Catalysts", *Catalysis Today*, 146 (2009) 253-259.
- 4) **Y.H. Kim**, E.D. Park, D. Lee, H.C. Lee, H.C. Woo, "The Effect of Kinds of Metal Ions in MNaY-zeolites for the Adsorptive Removal of Tetrahydrothiophene (THT)", *Korean Journal of Chemical Engineering*, 26 (2009) 1291-1295.
- 5) **Y.H. Kim**, E.D. Park, H.C. Lee, D. Lee, "Selective CO removal in a H₂-rich stream over supported Ru catalysts for the polymer electrolyte membrane fuel cell (PEMFC)", *Applied Catalysis A-General*, 366 (2009) 363-369.
- 6) **Y.H. Kim**, D.-Y. Hwang, S.H. Song, S.B. Lee, E.D. Park, M.-J. Park, "Kinetic parameter estimation of the Fischer-Tropsch synthesis reaction on K/Fe-Cu-Al catalysts", *Korean Journal of Chemical Engineering*, 26 (2009) 1591-1600.
- 7) D.S. Kim, **Y.H. Kim**, J.E. Yie, E.D. Park, "NO oxidation over supported over cobalt oxide catalysts", *Korean Journal of Chemical Engineering*, 27 (2010) 49-54.
- 8) D.S. Kim, **Y.H. Kim**, J.E. Yie, E.D. Park, "The effect of cobalt precursors on NO oxidation over supported cobalt oxide catalysts", *Korean Journal of Chemical Engineering*, 27 (2010) 822-827.
- 9) **Y.H. Kim**, E.D. Park, "The Effect of Crystalline Phase of Alumina on the Selective CO Oxidation in a H₂-rich Stream over Ru/Al₂O₃", *Applied Catalysis B-Environmental*, 96 (2010) 41-50.
- 10) K.B. Kim, M.K. Kim, **Y.H. Kim**, K.S. Song, E.D. Park, "Propane Combustion over Supported Pd Catalysts", *Research on Chemical Intermediates*, 36 (2010) 603-616.
- 11) D.M. Sung, **Y.H. Kim**, E.D. Park, J.E. Yie, "Correlation between the Acidity and the Catalytic Activity for the Methanol Dehydration over various aluminum oxides", *Research on Chemical Intermediates*, 36 (2010) 653-660.
- 12) K.B. Kim, **Y.H. Kim**, K.S. Song, E.D. Park, "Propane Combustion over Pt Catalysts Supported on Zeolites", *Reviews on Advanced Materials Science*, 27 (2011) 35-39.
- 13) D.-Y. Hwang, J.H. Choi, **Y.H. Kim**, S.B. Lee, E.D. Park, M.-J. Park, "Optimization Strategy for the Fischer-Tropsch Synthesis Reactor: Effect of Objective Elements on the Optimization Performance", *Chemical Engineering Communications*, 198 (2011) 1075-1092.
- 14) **Y.H. Kim**, S.-D. Yim, E.D. Park, "Selective CO Oxidation in a Hydrogen-rich Stream over Ru/SiO₂", *Catalysis Today*, 185 (2012) 143-150.
- 15) D.M. Sung, **Y.H. Kim**, E.D. Park, J.E. Yie, "Role of Surface Hydrophilicity of Alumina in Methanol Dehydration", *Catalysis Communications*, 20 (2012) 63-67.
- 16) **Y.H. Kim**, J.E. Park, H.C. Lee, S.H. Choi, E.D. Park, "Active size-controlled Ru catalysts for selective CO oxidation in H₂", *Applied Catalysis B-Environmental*, 127 (2012) 129-136.