

Curriculum Vitae

Name : Kim, Young Dok
Born : Feb. 13. 1973, Seoul, Korea
Nationality : Korean

Education

1979 - 1985 Youngdong primary school, Seoul, Korea
1985 Dangsan middle school, Seoul, Korea
1985 - 1986 Hofmiller gymnasium, Freising, Germany
1986 - 1988 Seowoon middle school, Seoul, Korea
1988 - 1991 Eunnam high school, Seoul, Korea
1991 - 1995 Sungkyunkwan University, Suwon, Korea, Bachelor of Science
1995 - 1997 Sungkyunkwan University, Suwon, Korea, Master of Science
1997- Fritz-Haber-Institut der Max-Planck-Gesellschaft in Berlin,
Germany

Publication list

1. Structural analysis of the pure and cesiated Ru(0001)-(2×2)-3O phase, Y.D. Kim, S. Wendt, S. Schwegmann, H. Over and G. Ertl, Surf. Sci. 418, 267 (1998).
2. The atomic geometry of Cs and K adsorbed on Pd(111): the important role of the ionisation potential of the substrate for the bonding, Y.D. Kim, S. Schwegmann and H. Over, PCCP 1, 2001 (1999).
3. The interaction of CO and W(111) surfaces, S.Y. Lee, Y.D. Kim, S.N. Seo, C.Y. Park, H.T. Kwak, J.-H. Boo, and S.B. Lee, Bull. Korean Chem. Soc. 20, 1061 (1999).
4. Metastable deexcitation spectroscopy of metastable Cs+O overlayers on Ru(0001) in comparison with their surface geometries, Y.D. Kim, Y.J. Zhu, A. Morgante, S. Wendt, A.P. Seitsonen, S. Schwegmann, H. Bludau and H. Over, Phys. Rev. B 61,8455 (2000).
5. Coadsorption of Cs with oxygen and CO on Ru(0001); Relation between structural and electronic properties, Y.J. Zhu, A. Morgante, A.P. Seitsonen, S. Wendt, Y.D. Kim, S. Schwegmann, H. Bludau and H. Over, Prog. Surf. Sci. 64, 211 (2000)
6. Atomic-scale structure and catalytic reactivity of the RuO₂(110) surface, H. Over, Y.D. Kim, A.P. Seitsonen, S. Wendt, E. Lundgren, M. Schmid, P. Varga, A. Morgante and G. Ertl, Science 287, 1474 (2000).
7. Electrochemical versus gas-phase oxidation of Ru single crystal surfaces, W.F. Lin, M.S. Zei, Y.D. Kim, H. Over, and G. Ertl, J. Phys. Chem. B 104, 6040 (2000).

8. Interaction of RuO₂ as the active phase in CO oxidation on oxygen-rich Ru surfaces, Y.D. Kim, H. Over, G. Krabbes, and G. Ertl, submitted to Top. Catal..

9. The atomic geometry of oxygen-rich Ru(0001) surfaces: Coexistence of (1×1)-O and RuO₂(110) domains, Y.D. Kim, A.P. Seitsonen, and H. Over, accepted in Surf.Sci. Lett.

10. Comprehensive characterization of the (2×2)-O and the CO-induced (√3×√3)R30°-O overlayers on Pd(111), A.P. Seitsonen, Y.D. Kim, S. Schwegmann, and H.Over, submitted to Surf. Sci..