

Publications 2000

Institute of Physical Chemistry, Innsbruck

A. Glebov, A.P. Graham, A. Menzel, J.P. Toennies, P. Senet

A helium atom scattering study of the structure and phonon dynamics of the ice surface

J. Chem. Phys. 112 (2000) 11011.

K. Hayek, M. Fuchs, B. Klötzer, W. Reichl, G. Rupprechter

Studies of metal-support interactions with "real" and "inverted" model systems : Reactions of CO and small hydrocarbons with hydrogen on noble metals in contact with oxide

Top. Catal. 13 (2000) 55 .

B. Klötzer, K. Hayek

The role of oxide promoters in the dissociation of CO and its reaction with hydrogen on Pd(111) and Rh(111): A molecular beam study

Stud. Surf. Sci. Catal. 140 (2000) 3339.

F. P. Leisenberger, G. Koller, M. Sock, S. Surnev, M.G.Ramsey, F.P. Netzer, B. Klötzer, K. Hayek

Surface and subsurface oxygen on Pd(111)

Surf. Sci. 445 (2000) 380.

S. Lunzer, R. Kramer

Effect of water vapour on the catalytic activity of supported platinum catalysts

Stud. Surf. Sci. Catal. 130 (2000) 2303.

A. Menzel, K. Swamy, R. Beer, P. Hanesch, E. Bertel, U. Birkenheuer

Electronic structure of a catalyst poison: Br/Pt(110)

Surf. Sci. 454-456 (2000) 88.

W. Reichl, G. Rosina, G. Rupprechter, C. Zimmermann, K. Hayek

An ultrahigh vacuum compatible all-glass high pressure cell for accurate and reproducible measurements of small reaction rates

Rev. Sci. Instrum. 71 (2000) 1495.

W. Reichl, K. Hayek

"Real" and "inverse" model catalysts for studies of metal-support interactions: CO hydrogenation on titania and vanadia supported Rh

Stud. Surf. Sci. Catal. 130 (2000) 719.

G. Rupprechter, M. Fuchs, K. Hayek, J.A. Pérez-Omil, C. López-Cartes, J.J. Calvino, S. Bernal

Surface structure and catalytic activity of Pt/CeO₂ and Pt/Al₂O₃ after reduction at increasing temperature (373 to 1223K)

Stud. Surf. Sci. Catal. 140 (2000) 2021.

C. Schwab, G. Meister, A. Goldmann E. Bertel

Second-harmonic generation from Na-covered Cu(110): intensity enhancement by inter-surface-state transitions?

Surf. Sci. 469 (2000) 93.

A. Steltenpohl, N. Memmel

Energetic and Entropic Contributions to Diffusion and Epitaxial Growth

Phys. Rev. Lett. 84 (2000) 1728.

A. Steltenpohl, N. Memmel

Self-Diffusion on Pd(111)

Surf. Sci. 454-456, 558 (2000).

K. Swamy, P. Hanesch, P. Sandl E. Bertel
Halogen-metal interaction: Br on Pt(110)
Surf. Sci. 466 (2000) 11.

A.V. Walker, B. Klötzer, D.A. King
The formation of subsurface oxygen on Pt{110}-(1x2) from molecular-beam-generated O₂¹Delta_g.
J. Chem. Phys. 112 (2000) 8631.