

## Publications 2004

### Institute of Physical Chemistry, Innsbruck

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*The surface electronic structure of Br/Pt(110) phases.*

Surf. Sci. 566-568, 476 (2004).

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Phys. Rev. B 69, 195405 (2004).

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*Surface State Confinement in a Lateral Quantum-Well: The Striped Cu(110)(2x1)O Surface.*

Phys. Rev. B 70, 155303 (2004).

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*H on Pt(110): An atypical chemisorption site at low coverages.*

Phys. Rev. B 70, 121401(R) (2004).

D. Eder, R. Kramer

*Electric Impedance Spectroscopy of Titania: Influence of Gas Treatment and of Surface Area*

Journal of Physical Chemistry B 108, 14823-14829 (2004)

T. Loerting, A.F. Voegelé, C.S. Tautermann, A. Hallbrucker, E. Mayer, K.R. Liedl

*Sulfurous acid (H<sub>2</sub>SO<sub>3</sub>) on Io?*

Icarus 169, 242-249 (2004).

A.F. Voegelé, C.S. Tautermann, C. Rauch, T. Loerting, K.R. Liedl

*On the formation of the sulfonate ion from hydrated sulfur dioxide*

Journal of Physical Chemistry B 108, 3859 (2004).

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*Daunomycin intercalation stabilizes distinct backbone conformations of DANN*

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*Dynamics of DNA: B-I and B-II phosphate backbone transitions*

Journal of Physical Chemistry B 108, 2470, correction 12258, (2004).

W. Reichl, K. Hayek

*Formation and catalytic properties of a vanadium subsurface alloy on polycrystalline rhodium*

J. Catal. 222 (2004) 53.

S. Penner, D. Wang, R. Podlucky, R. Schlögl, K. Hayek

*Rh and Pt nanoparticles supported by CeO<sub>2</sub>: metal-support interaction upon high-temperature reduction observed by electron microscopy*

Phys. Chem. Chem. Phys. 6 (2004) 5244.

K. Hayek, H. Goller, S. Penner, G. Rupprechter, C. Zimmermann

*Regular alumina-supported nanoparticles of iridium, rhodium and platinum under hydrogen reduction: structure, morphology and activity in the neopentane conversion*

Catal. Lett. 92 (2004) 1.

L. Lauter, R. Abermann

*In situ growth of gold films on amorphous alumina and crystalline titania*

Mat. Res. Soc. Symp. Proc. 795 (2004), 253.