

## Publications - Steinrück Group - Chair of Physical Chemistry II

**1998** (14)

G. Held, J. Schuler, W. Sklarek, H.-P. Steinrück

*Determination of adsorption sites of pure and coadsorbed CO on Ni(111) by high resolution X-ray photoelectron spectroscopy*

Surf. Sci. 398 (1998) 154-171.

P. Zebisch, M. Stichler, P. Trischberger, M. Weinelt, H.-P. Steinrück

*Tilted adsorption of benzene on Pt(110)1x2*

Surf. Sci. 396 (1998) 61-77.

M. Th. Litz, F. Fischer, H.-J. Lugauer, M. Keim, U. Zehnder, W. Ossau, Th. Gerhard, R. Gall, A. Waag, G. Landwehr, M. Nagelstraßer, H.-P. Steinrück, Th. Walter, D. Gerthsen

*Be-chalcogenides - heteroepitaxy and interface properties*

Appl. Surf. Sci. 123-124 (1998) 429-434.

M. Nagelstraßer, H. Dröge, F. Fischer, T. Litz, A. Waag, G. Landwehr, H.-P. Steinrück

*Photoelectron spectroscopy of molecular-beam epitaxially grown BeTe/ZnSe and BeTe/GaAs*

J. Cryst. Growth 184-185 (1998) 173-177.

H. Dröge, A. Fleszar, H.-P. Steinrück

*REELS measurements on a CdTe(100) surface*

J. Cryst. Growth 184-185 (1998) 208-212.

G. Held, W. Sklarek, M. Mayan, H.-P. Steinrück

*Characterization of thin copper films on Ni(111) by CO titration*

Surf. Sci. 402-404 (1998) 322-326.

M. Nagelstraßer, H. Dröge, F. Fischer, T. Litz, A. Waag, G. Landwehr, H.-P. Steinrück

*Band discontinuities and local interface composition in BeTe/ZnSe heterostructures*

J. Appl. Phys. 83 (1998) 4253-4257.

S. Gokhale, P. Trischberger, D. Menzel, W. Widdra, H. Dröge, H.-P. Steinrück, U. Birkenheuer, U. Gutdeutsch, N. Rösch

*Electronic structure of benzene adsorbed on single domain Si(001)-(2x1): A combined experimental and theoretical study.*

J. Chem. Phys. 108 (1998) 5554-5564.

M. Nagelstraßer, H. Dröge, H.-P. Steinrück, F. Fischer, T. Litz, A. Waag, G. Landwehr, A. Fleszar, W. Hanke

*Band structure of BeTe: A combined experimental and theoretical study*

Phys. Rev. B 58 (1998) 10394-10400.

Th. Seyller, D. Borgmann, G. Wedler

*Interaction of CO<sub>2</sub> with Cs-promoted Fe(110) as compared to Fe(110)/K+CO<sub>2</sub>*

Surf. Sci. 400 (1998) 63-79.

D. Borgmann, K. Rührschopf, G. Wedler

*Surface reactivity of iron silicide*

Surf. Rev. Lett. 5 (1998) 261-264.

Th. Seyller, K. Rührschopf, D. Borgmann, G. Wedler

*CO as adsorbate and reaction product in the systems Fe(110)/Cs+CO and Fe(110)/Cs+CO<sub>2</sub>*

Surf. Rev. Lett. 5 (1998) 569-579.

R. Kleyna, D. Borgmann, G. Wedler  
*Adsorption and reaction of propene on Ni(100)*  
Surf. Sci. 402-404 (1998) 131-134.

R. Kleyna, S. Fickert, D. Borgmann, G. Wedler  
*Interaction of propene with pure and hydrogen-precovered nickel films. Studied by means of isothermal reaction mass spectrometry and thermal desorption spectroscopy*  
Langmuir 14 (1998) 5464-5468.

### **1999** (21)

H. Koschel, G. Held, P. Trischberger, W. Widdra, U. Birkenheuer, H.-P. Steinrück  
*Electronic Properties of a Pseudomorphic Cu-Layer on Ni(111)*  
Appl. Surf. Sci. 142 (1999) 18-22.

W. Sklarek, G. Held, C. Ammon, H.-P. Steinrück  
*The growth of ultrathin Cr films on benzene-covered Ni(111)*  
Appl. Surf. Sci. 142 (1999) 327-331.

S. Kneitz, J. Gemeinhardt, H. Koschel, G. Held, H.-P. Steinrück  
*Energy and temperature dependent sticking coefficients of CO on ultrathin copper layers on Ru(001)*  
Surf. Sci. 433-435 (1999) 27-31.

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Phys. Rev. B 59 (1999) 5544-5550.

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*Benzene adsorption on a pseudomorphic Cu monolayer on Ni(111) - a combined TPD and ARUPS study*  
Surf. Sci. 437 (1999) 125-136.

R. Girwidz, J. Schmidt, H.-P. Steinrück  
*Geometrische Optik am Computer*  
Phys. Unserer Zeit 30 (1999) 216-218.

S. Kneitz, J. Gemeinhardt, H.-P. Steinrück  
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Surf. Sci. 440 (1999) 307-320.

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*The orientation of benzene on bimetallic surfaces*  
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Surf. Sci. 424 (1999) 278-289.

R. Kleyna, H. Mex, M. Voß, D. Borgmann, L. Viscido, J. M. Heras  
*Modification of MoO<sub>3</sub> surfaces by vapour-deposited cobalt atoms*  
Surf. Sci. 433-435 (1999) 723-727.

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*Temperature dependent reaction of propene on Ni(100) single crystal surfaces*  
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*Growth and oxidation of Fe films on polycrystalline Ag catalysts*

Surf. Sci. 433-435 (1999) 559-562.

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*Catalytic reactions of mixtures of carbon dioxide, ethene and hydrogen on cobalt surfaces*

J. Catal. 187 (1999) 348-357.

S. Sundin, M. Bäessler, R. Denecke, M. Weiss, P. Väterlein, A. Nilsson, S. Svensson

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Rev. Sci. Instrum. 70 (1999) 14-17.

R. Denecke, P. Väterlein, M. Bäessler, N. Wassdahl, S. Butorin, A. Nilsson, J.-E. Rubensson, J. Nordgren, N. Mårtensson, R. Nyholm

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J. Electron Spectrosc. Relat. Phenom. 101-103 (1999) 971-977.

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*Structure determination for saturated (1x1) oxygen on W(110) from full solid angle photoelectron diffraction with chemical-state resolution*

Surf. Sci. 442 (1999) 27-35.

J. Landskron, W. Moritz, B. Narloch, G. Held, D. Menzel

*Analysis of thermal vibrations by temperature-dependent low energy electron diffraction: comparison of soft modes of pure and O-coadsorbed CO on Ru(0001)*

Surf. Sci. 441 (1999) 91-106.

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Surf. Sci. 454-456 (2000) 83-87

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*The electronic band structure of ZnSe(100)*

Surf. Sci. 454-456 (2000) 477-482.

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*The growth of thin Cu layers on Ni(111) studied by CO titration and photoelectron spectroscopy*  
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J. Electron Spectrosc. Relat. Phenom. 106 (2000) 7-28.

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*Kinetics and atomic structure of O adsorption on W(110) from time- and state-resolved photoelectron spectroscopy and full-solid-angle photoelectron diffraction*  
Surf. Sci. 459 (2000) 69-92.

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*Magnetic dichroism in core-level photoemission from Gd(0001)*  
J. Appl. Phys. 87 (2000) 4900-4902.

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*Crystal-field splitting in coadsorbate systems: c(2x2) CO/K/Ni(100)*  
Phys. Rev. B 62 (2000) 11192-11196.

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Surf. Sci. 465 (2000) 211-218.

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J. Am. Ceram. Soc. 83 (2000) 860-864.

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*Coverage-dependent changes in the adsorption geometries of ordered benzene layers on Ru(0001)*  
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J. Electron Spectrosc. Relat. Phenom. 114-116 (2001) 539-544.

J. Pantförder, R. Domnick, Ch. Ammon, G. Held, H.-P. Steinrück

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Surf. Sci. 482-485 (2001) 1292-1297.

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J. Chem. Phys. 115 (2001) 1902-1908.

G. Held, H.-P. Steinrück

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C. M. Whelan, R. Neubauer, D. Borgmann, R. Denecke, H.-P. Steinrück

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Phys. Rev. Lett. 87 (2001) 216102 1-4.

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J. Mol. Catal. A: Chem. 167 (2001) 199-206.

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Phys. Rev. B 63 (2001) 121402 1-4.

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J. Electron Spectrosc. Relat. Phenom. 114-116 (2001) 783-788.

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Surf. Rev. Lett. 9 (2002) 789-795.

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Surf. Sci. 507-510 (2002) 845-850.

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Surf. Sci. 512 (2002) 107-116.

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Surf. Sci. 513 (2002) 174-202.

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Surf. Sci. 516 (2002) 95-102.

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### **2003** (8)

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Surf. Sci. 529 (2003) 384-396.

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- G. Held, H.-P. Steinrück  
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## **2006** (9)

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