

Publications

Publications within the framework of this thesis

S. Wagner, C. Frischkorn, M. Wolf, M. Rutkowski, H. Zacharias, and A.C. Luntz.
Energy partitioning in the femtosecond-laser induced associative D₂ desorption from Ru(001)
Physical Review B **72**, 205404 (2005).

A.C. Luntz, M. Persson, S. Wagner, C. Frischkorn, and M. Wolf.
Femtosecond laser induced associative desorption of H₂ from Ru(0001): Comparison of “first principles” theory with experiment
Journal of Chemical Physics **124**, 244702 (2006).

S. Wagner, H. Öström, A. Kaebe, M. Krenz, C. Frischkorn, M. Wolf and A.C. Luntz
Femtosecond laser induced associative desorption of CO from Ru(001): Indirect evidence for an ultra-fast non-adiabatic reaction mechanism
(in preparation).

Publications from the same period of time concerning other topics

D.N. Denzler, Ch. Hess, R. Dudek, S. Wagner, C. Frischkorn, M. Wolf, and G. Ertl
Interfacial structure of water on Ru(001) investigated by vibrational spectroscopy
Chemical Physics Letters **376**, 618 (2003)

D.N. Denzler, S. Wagner, M. Wolf and G. Ertl
Isotope effects in the thermal desorption of water from Ru(001)
Surface Science **532-535**, 113 (2003);
Erratum to *Isotope effects in the thermal desorption of water from Ru(001)*
Surface Science, **544**, 348 (2003)

Earlier publications

S. Wagner, E. Carpene, P. Schaaf and M. Weisheit
Formation of β -FeSi₂ by excimer laser irradiation of ⁵⁷Fe/Si bilayers
Applied Surface Science **186**, 156 (2002)

P. Schaaf, S. Wagner and E. Carpene
Photon and Ion-Beam Induced Processes in Materials Studied by Hyperfine Interactions
Hyperfine Interactions **136**, 445 (2001)

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