

List of Publications

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Publications in Peer-Reviewed Journals

- 1) H.-P. Steinrück, A. Winkler, K. D. Rendulic
Angle-resolved thermal desorption spectra for CO and H₂ from Ni(111), Ni(110) and polycrystalline nickel
J. Phys. C 17 (1984) L311-L316.
- 2) H.-P. Steinrück, A. Winkler, K. D. Rendulic
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- 3) H.-P. Steinrück, K. D. Rendulic, A. Winkler
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Surf. Sci. 154 (1985) 99-108.
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Features of hydrogen adsorption on a Ni(997) surface
Surf. Sci. Lett. 163 (1985) L641-L644.
- 6) H.-P. Steinrück and K. D. Rendulic
A test of capillary array beam sources for very large Knudsen numbers
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- 7) H.-P. Steinrück, M. P. D'Evelyn, R. J. Madix
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A molecular beam investigation on the kinetic energy dependence of the activation of ethane on the reconstructed Ir(110)-(1x2) surface
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Surf. Sci. 185 (1987) 469-478.
 - 14) A. V. Hamza, H. P. Steinrück, R. J. Madix
The dynamics of alkane activation on Ni(100) and Ir(110)
J. Vac. Sci. Technol. A 5 (1987) 520-521.
 - 15) D. Coulman, A. Puschmann, W. Wurth, H.-P. Steinrück, D. Menzel
Highly efficient dissociation of condensed and adsorbed water via core-to-bound excitation
Chem. Phys. Lett. 148 (1988) 371-376.
 - 16) H.-P. Steinrück, C. Schneider, P. A. Heimann, T. Pache, E. Umbach, D. Menzel
Electronic structure and orientation of NO on Ni(111) studied by ARUPS using synchrotron radiation
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Prof. Dr. Hans-Peter Steinrück

Physical Chemistry, University Erlangen-Nürnberg, Germany

Book Chapters & Other Publications (not ISI Web-of-Knowledge listed)

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- B2) H.-P. Steinrück, K. D. Rendulic, A. Winkler
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 Mitteilungsblatt der Österreichischen Physikalischen Gesellschaft 4/1986, Dezember 1986.
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[DOI: 10.1007/10932216_12 \(Tables\)](https://doi.org/10.1007/10932216_12)
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- B14) Hans-Peter Steinrück, Florian Maier, Christian Papp
Molecules in Energy Storage and Release – A Surface Science Perspective
 Bunsenmagazin 25 (2023) 112-117.

List of Publications

Prof. Dr. Hans-Peter Steinrück

Physical Chemistry, University Erlangen-Nürnberg, Germany

Academic Theses

- T1) H.-P. Steinrück
Diplomarbeit (Diploma Thesis):
Die experimentelle Bestimmung der Winkelverteilung desorbierender Moleküle
Technische Universität Graz, 1983.
- T2) H.-P. Steinrück
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- T3) H.-P. Steinrück
Habilitationsschrift (Habilitation Thesis):
Elektronische Struktur, Symmetrie und laterale Wechselwirkung adsorbierter Moleküle
Technische Universität München, 1992.