

## Publikationsliste

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### Publikation in Zeitschriften mit Peer-Review

- 1) H.-P. Steinrück, A. Winkler, K. D. Rendulic  
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- 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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- 4) H.-P. Steinrück, M. Luger, A. Winkler, K. D. Rendulic  
*Adsorption probabilities of H<sub>2</sub> and D<sub>2</sub> on various flat and stepped nickel surfaces*  
Phys. Rev. B 32 (1985) 5032-5037.
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- 432) M. Moritz, S. Maisel, N. Raman, H. Wittkämper, C. Wichmann, M. Grabau, D. Kahraman, J. Steffen, N. Taccardi, A. Görling, M. Haumann, P. Wasserscheid, H.-P. Steinrück, C. Papp  
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- 439) A. Wolfram, M. Muth, J. Köbl, A. Mölkner, S. Mehl, N. Tsud, H.-P. Steinrück, B. Meyer, O. Lytken  
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- 441) T. Talwar, J. Barreto, C. C. Fernández, H.-P. Steinrück, F. Maier  
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- 442) V. Schwaab, F. Hemauer, J. Steffen, N. J. Waleska-Wellenhofer, E. M. Freiburger, M. Steinmetz, A. Görling, P. Wasserscheid, H.-P. Steinrück, C. Papp  
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*Flexible 2D structure formation of [C<sub>1</sub>C<sub>1</sub>Im][Tf<sub>2</sub>N] on Ag(111)*  
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*ChemPhysChem* (accepted).
- 457) L. Ulm, C. C. Fernández, H.-P. Steinrück, F. Maier  
*Interfacial Processes in Ionic Liquid-Modified Catalysts: Olefin Replacement and Desorption on Pt(111)*  
*ChemCatChem* (accepted).
- 458) V. Carreño-Díaz, A. Ceccatto, E. Brenda da Costa Ferreira, M. Shaker, H.-P. Steinrück, A. de Siervo  
*Tailoring Pt-Based Organometallic Porous Network on Ag(111): A Model System for "Host-Guest" Chemistry*  
*ACS Nanosci. Au* (accepted).
- 459) T. Talwar, H.-P. Steinrück, F. Maier  
*Water co-adsorption in ultrathin films of ionic liquids on Pt(111)*  
*Chemistry Open* (accepted).
- 460) M. Moritz, C. Wichmann, M. Steinmetz, H.-P. Steinrück, C. Papp  
*Operando Study of the Active Phase in Liquid GaPt Alloy Catalysts*  
*Small Science* (accepted).

## Publikationsliste

### Prof. Dr. Hans-Peter Steinrück

Physikalische Chemie, Universität Erlangen-Nürnberg, Deutschland

### Buchkapitel & sonstige Publikationen (nicht ISI Web-of-Knowledge geführt)

- B1) M. Luger, A. Winkler, K. D. Rendulic, H.-P. Steinrück  
*Temperature dependence of the sticking coefficient for  $H_2$  on various nickel surfaces*  
 Proc. Symposium on Surface Science, 3S'85, Eds. G. Betz, H. Störi, W. Husinsky und P. Varga,  
 (Obertraun 1985) p.107-112.
- B2) H.-P. Steinrück, K. D. Rendulic, A. Winkler  
*An experimental investigation of detailed balancing for the systems  $H_2$ /nickel and CO/nickel*  
 Proc. Symposium on Surface Science, 3S'85, Eds. G. Betz, H. Störi, W. Husinsky und P. Varga,  
 Obertraun 1985, S.101-106.
- B3) H.-P. Steinrück  
*Das Prinzip der Detaillierten Gleichgewichte im System  $H_2$ /Nickel und CO/Nickel*  
 Mitteilungsblatt der Österreichischen Physikalischen Gesellschaft 4/1986, Dezember 1986.
- B4) H.-P. Steinrück  
*Angle resolved UV-photoelectron spectroscopy of adsorbed molecules*  
 INVITED contribution to Proc. Symposium on Surface Science, 3S'91, Eds. P. Varga, G. Betz, Obertraun  
 1991, S. 67-74.
- B5) M. Weinelt, P. Zebisch, W. Huber, M. Pabst, U. Birkenheuer, B. Reichert, N. Rösch,  
 H.-P. Steinrück  
*On the adsorption of ethylene on Ni(110)*  
 Proc. Symposium on Surface Science, 3S'92, Eds. M. Alnot, J. J. Ehrhardt, C. Launois, B. Mutaftschiev,  
 M. R. Tempère, La Plagne/Savoie 1992, S. 276-279.
- B6) H.-P. Steinrück  
*Angle-resolved UV-photoelectron spectroscopy*  
 "Surface Science Techniques", Eds. J. M. Walls und R. Smith, Pergamon (1994) 67-83.  
 INVITED contribution  
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- B7) D. Mehl, M. Zharnikov, P. Zebisch, M. Weinelt, H.-P. Steinrück  
*Photoelectron diffraction and holography of clean metal surfaces*  
 Proc. Symposium on Surface Science, 3S'94, Eds. T. Rosenblatt und B. Mutaftschiev, Les Arcs/Savoie  
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- B8) R. Girwidz, J. Schmidt, H.-P. Steinrück  
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 Phys. Unserer Zeit 30 (1999) 216-218.  
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- B9) R. Girwidz, O. Gößwein, H.-P. Steinrück  
*Atomphysik am Computer*  
 Phys. Unserer Zeit 31 (2000) 165-167.  
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- B10) J. F. Zhu, M. Kinne, T. Fuhrmann, B. Tränkenschuh, R. Denecke, H.-P. Steinrück  
*Coadsorption of NO and CO on a Pt(111) surface studied by high-resolution synchrotron radiation photoemission*  
 Kapitel in: "Surface Science: New Research", Editor: Charles P. Norris, S. 217-235, 2005 Nova Science Publishers, Inc.  
 ISBN: 978-1-59454-404-0
- B11) G. Held und H.-P. Steinrück  
*Cyclic hydrocarbons*  
 Landolt-Börnstein "Physics of Covered Solid Surfaces - Adsorbed Layers on Surfaces", Editor: H. P. Bonzel, Vol. III/42, Subvolume A4, Kapitel 3.8.7. (2005) S. 300-369.  
 INVITED contribution  
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[DOI: 10.1007/b12050 \(Volume\)](https://doi.org/10.1007/b12050)  
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[DOI: 10.1007/10932216\\_13 \(Figures\)](https://doi.org/10.1007/10932216_13)
- B12) W. Zhao, C. Papp, H.-P. Steinrück  
*Heterographenes*  
 Encyclopedia of Polymeric Nanomaterials, Springer (2015) 924-936.  
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[DOI: 10.1007/978-3-642-29648-2\\_340](https://doi.org/10.1007/978-3-642-29648-2_340)
- B13) R. Denecke und H.-P. Steinrück  
*Adsorption of (Small) Molecules on Metals*  
 Kapitel 38 in: "Surface and Interface Science", Vol. 5, Editor: K. Wandelt, S. 391-458, 2016 Wiley-VCH.  
 ISBN: 978-3-527-41158-0
- B14) Hans-Peter Steinrück, Florian Maier, Christian Papp  
*Molecules in Energy Storage and Release – A Surface Science Perspective*  
 Bunsenmagazin 25 (2023) 112-117.

## Publikationsliste

### Prof. Dr. Hans-Peter Steinrück

Physikalische Chemie, Universität Erlangen-Nürnberg, Deutschland

### Akademische Arbeiten

- T1) H.-P. Steinrück  
Diplomarbeit (Diploma Thesis):  
*Die experimentelle Bestimmung der Winkelverteilung desorbierender Moleküle*  
Technische Universität Graz, 1983.
- T2) H.-P. Steinrück  
Doktorarbeit (PhD Thesis):  
*Das Prinzip der Detaillierten Gleichgewichte im System  $H_2$ /Nickel und CO/Nickel*  
Technische Universität Graz, 1985.
- T3) H.-P. Steinrück  
Habilitationsschrift (Habilitation Thesis):  
*Elektronische Struktur, Symmetrie und laterale Wechselwirkung adsorbierter Moleküle*  
Technische Universität München, 1992.