

Publications by Peter Varga

1. J. Gloss, M. Horký, V. Křížáková, L. Flajšman, M. Schmid, M. Urbánek, P. Varga, *The growth of metastable fcc Fe₇₈Ni₂₂ thin films on H-Si(100) substrates suitable for focused ion beam direct magnetic patterning*, Appl. Surf. Sci. 469 (2019) 747–752. doi:[10.1016/j.apsusc.2018.10.263](https://doi.org/10.1016/j.apsusc.2018.10.263)
2. M. Urbánek, L. Flajšman, V. Křížáková, J. Gloss, M. Horký, M. Schmid, P. Varga, *Research update: Focused ion beam direct writing of magnetic patterns with controlled structural and magnetic properties*, APL Mater. 6 (2018) 060701. doi:[10.1063/1.5029367](https://doi.org/10.1063/1.5029367).
3. P. Dvořák, Z. Édes, M. Kvapil, T. Šamořil, F. Ligmajer, M. Hrtoň, R. Kalousek, V. Křápek, P. Dub, J. Spousta, P. Varga, T. Šikola, *Imaging of near-field interference patterns by aperture-type SNOM – influence of illumination wavelength and polarization state*, Opt. Express, OE. 25 (2017) 16560–16573. doi:[10.1364/OE.25.016560](https://doi.org/10.1364/OE.25.016560).
4. P. Bábor, R. Duda, J. Polčák, S. Průša, M. Potoček, P. Varga, J. Čechal, T. Šikola, *Real-time observation of self-limiting SiO₂/Si decomposition catalysed by gold silicide droplets*, RSC Adv. 5 (2015) 101726–101731. doi:[10.1039/C5RA19472E](https://doi.org/10.1039/C5RA19472E).
5. P. Procházka, J. Mach, D. Bischoff, Z. Lišková, P. Dvořák, M. Vaňatka, Pauline Simonet, A. Varlet, D. Hemzal, M. Petrevec, L. Kalina, M. Bartošík, Klaus Ensslin, P. Varga, J. Čechal, T. Šikola, *Ultrasoother metallic foils for growth of high quality graphene by chemical vapor deposition*, Nanotechnology. 25 (2014) 185601. doi:[10.1088/0957-4484/25/18/185601](https://doi.org/10.1088/0957-4484/25/18/185601).
6. P. Procházka, J. Mach, D. Bischoff, Z. Lišková, P. Dvořák, M. Vaňatka, P. Simonet, A. Varlet, D. Hemzal, M. Petrevec, L. Kalina, M. Bartošík, K. Ensslin, P. Varga, J. Čechal, T. Šikola, *Ultrasoother metallic foils for growth of high quality graphene by chemical vapor deposition*, Nanotechnology. 25 (2014) 185601. doi:[10.1088/0957-4484/25/18/185601](https://doi.org/10.1088/0957-4484/25/18/185601).
7. M. Kolíbal, T. Vystavěl, P. Varga, T. Šikola, *Real-Time Observation of Collector Droplet Oscillations during Growth of Straight Nanowires*, Nano Lett. 14 (2014) 1756–1761. doi:[10.1021/nl404159x](https://doi.org/10.1021/nl404159x).
8. M. Kolíbal, T. Vystavěl, P. Varga, T. Šikola, *Real-Time Observation of Collector Droplet Oscillations during growth of straight nanowires*, Nano Lett. 14 (2014) 1756–1761. doi:[10.1021/nl404159x](https://doi.org/10.1021/nl404159x).
9. J. Gloss, S. Shah Zaman, J. Jonner, Z. Novotny, M. Schmid, P. Varga, M. Urbánek, *Ion-beam-induced magnetic and structural phase transformation of Ni-stabilized face-centered-cubic Fe films on Cu(100)*, Appl. Phys. Lett. 103 (2013) 262405. doi:[10.1063/1.4856775](https://doi.org/10.1063/1.4856775).
10. P. Dvořák, T. Neuman, L. Břínek, T. Šamořil, R. Kalousek, P. Dub, P. Varga, T. Šikola, *Control and near-field detection of surface plasmon interference patterns*, Nano Lett. 13 (2013) 2558–2563. doi:[10.1021/nl400644r](https://doi.org/10.1021/nl400644r).

11. R. Zenkyu, J. Yuhara, T. Matsui, S. Shah Zaman, M. Schmid, P. Varga, *Composition and local atomic arrangement of decagonal Al-Co-Cu quasicrystal surfaces*, Phys. Rev. B. 86 (2012) 115422. doi:[10.1103/PhysRevB.86.115422](https://doi.org/10.1103/PhysRevB.86.115422).
12. M. Kolíbal, M. Konečný, F. Ligmajer, D. Škoda, T. Vystavěl, J. Zlámal, P. Varga, T. Šíkola, *Guided Assembly of Gold Colloidal Nanoparticles on Silicon Substrates Prepatterned by Charged Particle Beams*, ACS Nano. 6 (2012) 10098–10106. doi:[10.1021/nn3038226](https://doi.org/10.1021/nn3038226).
13. J. Gustafson, E. Lundgren, A. Mikkelsen, M. Borg, J. Klikovits, M. Schmid, P. Varga, J.N. Andersen, *The Rh(100)-(3 × 1)-2O structure*, J. Phys.: Condens. Matter. 24 (2012) 225006. doi:[10.1088/0953-8984/24/22/225006](https://doi.org/10.1088/0953-8984/24/22/225006).
14. M. Antlanger, W. Mayr-Schmölzer, J. Pavelec, F. Mittendorfer, J. Redinger, P. Varga, U. Diebold, M. Schmid, *Pt₃Zr(0001): A substrate for growing well-ordered ultrathin zirconia films by oxidation*, Phys. Rev. B. 86 (2012) 035451. doi:[10.1103/PhysRevB.86.035451](https://doi.org/10.1103/PhysRevB.86.035451).
15. K. Aït-Mansour, H. Brune, D. Passerone, M. Schmid, W. Xiao, P. Ruffieux, A. Buchsbaum, P. Varga, R. Fasel, O. Gröning, *Interface-confined mixing and buried partial dislocations for Ag bilayer on Pt(111)*, Phys. Rev. B. 86 (2012) 085404. doi:[10.1103/PhysRevB.86.085404](https://doi.org/10.1103/PhysRevB.86.085404).
16. J. Yuhara, D. Tajima, T. Matsui, K. Tatsumi, S. Muto, M. Schmid, P. Varga, *Growth and structure of an ultrathin tin oxide film on Rh(111)*, J. Appl. Phys. 109 (2011) 024903. doi:[10.1063/1.3537871](https://doi.org/10.1063/1.3537871).
17. S. Shah Zaman, P. Dvořák, R. Ritter, A. Buchsbaum, D. Stickler, H.P. Oepen, M. Schmid, P. Varga, *In-situ magnetic nano-patterning of Fe films grown on Cu(100)*, J. Appl. Phys. 110 (2011) 024309. doi:[10.1063/1.3609078](https://doi.org/10.1063/1.3609078).
18. M. Schmid, A. Garhofer, J. Redinger, F. Wimmer, P. Scheiber, P. Varga, *Unusual cluster shapes and directional bonding of an fcc metal: Pt/Pt(111)*, Phys. Rev. Lett. 107 (2011) 016102. doi:[10.1103/PhysRevLett.107.016102](https://doi.org/10.1103/PhysRevLett.107.016102).
19. F. Mittendorfer, T. Franz, J. Klikovits, M. Schmid, L.R. Merte, S. Shah Zaman, P. Varga, R. Westerström, A. Resta, J.N. Andersen, J. Gustafson, E. Lundgren, *Oxygen-stabilized Rh adatoms: 0D oxides on a vicinal surface*, J. Phys. Chem. Lett. 2 (2011) 2747–2751. doi:[10.1021/jz2011308](https://doi.org/10.1021/jz2011308).
20. M. De Santis, A. Buchsbaum, P. Varga, M. Schmid, *Growth of ultrathin cobalt oxide films on Pt(111)*, Phys. Rev. B. 84 (2011) 125430. doi:[10.1103/PhysRevB.84.125430](https://doi.org/10.1103/PhysRevB.84.125430).
21. A. Vlad, A. Stierle, M. Marsman, G. Kresse, I. Costina, H. Dosch, M. Schmid, P. Varga, *Metastable surface oxide on CoGa(100): Structure and stability*, Phys. Rev. B. 81 (2010) 115402. doi:[10.1103/PhysRevB.81.115402](https://doi.org/10.1103/PhysRevB.81.115402).
22. S. Shah Zaman, H. Oßmer, J. Jonner, Z. Novotný, A. Buchsbaum, M. Schmid, P. Varga, *Ion-beam-induced magnetic transformation of CO-stabilized fcc Fe films on Cu(100)*, Phys. Rev. B. 82 (2010) 235401. doi:[10.1103/PhysRevB.82.235401](https://doi.org/10.1103/PhysRevB.82.235401).

23. P. Scheiber, A. Riss, M. Schmid, P. Varga, U. Diebold, *Observation and destruction of an elusive adsorbate with STM: O₂/TiO₂(110)*, Phys. Rev. Lett. 105 (2010) 216101. doi:[10.1103/PhysRevLett.105.216101](https://doi.org/10.1103/PhysRevLett.105.216101).
24. A. Buchsbaum, M. De Santis, H.C.N. Tolentino, M. Schmid, P. Varga, *Highly ordered Pd, Fe, and Co clusters on alumina on Ni₃Al(111)*, Phys. Rev. B. 81 (2010) 115420. doi:[10.1103/PhysRevB.81.115420](https://doi.org/10.1103/PhysRevB.81.115420).
25. M. Schmid, C. Lenauer, A. Buchsbaum, F. Wimmer, G. Rauchbauer, P. Scheiber, G. Betz, P. Varga, *High island densities in pulsed laser deposition: Causes and implications*, Phys. Rev. Lett. 103 (2009) 076101. doi:[10.1103/PhysRevLett.103.076101](https://doi.org/10.1103/PhysRevLett.103.076101).
26. P. Kostelnik, T. Šikola, P. Varga, M. Schmid, *A LEED study of NO superstructures on the Pd(111) surface*, J. Phys.: Condens. Matter. 21 (2009) 134005. doi:[10.1088/0953-8984/21/13/134005](https://doi.org/10.1088/0953-8984/21/13/134005).
27. J. Honolka, T.Y. Lee, K. Kuhnke, A. Enders, R. Skomski, S. Bornemann, S. Mankovsky, J. Minar, J. Staunton, H. Ebert, M. Hessler, K. Fauth, G. Schutz, A. Buchsbaum, M. Schmid, P. Varga, K. Kern, *Magnetism of FePt surface alloys*, Phys. Rev. Lett. 102 (2009) 067207–4. doi:[10.1103/PhysRevLett.102.067207](https://doi.org/10.1103/PhysRevLett.102.067207).
28. J. Honolka, T.Y. Lee, K. Kuhnke, D. Repetto, V. Sessi, P. Wahl, A. Buchsbaum, P. Varga, S. Gardonio, C. Carbone, S.R. Krishnakumar, P. Gambardella, M. Komelj, R. Singer, M. Fähnle, K. Fauth, G. Schütz, A. Enders, K. Kern, *Complex magnetic phase in submonolayer Fe stripes on Pt(997)*, Phys. Rev. B. 79 (2009) 104430. doi:[10.1103/PhysRevB.79.104430](https://doi.org/10.1103/PhysRevB.79.104430).
29. J. Gustafson, R. Westerström, A. Resta, A. Mikkelsen, J.N. Andersen, O. Balmes, X. Torrelles, M. Schmid, P. Varga, B. Hammer, G. Kresse, C.J. Baddeley, E. Lundgren, *Structure and catalytic reactivity of Rh oxides*, Catal. Today. 145 (2009) 227–235. doi:[10.1016/j.cattod.2008.11.011](https://doi.org/10.1016/j.cattod.2008.11.011).
30. W. Rupp, A. Biedermann, B. Kamenik, R. Ritter, C. Klein, E. Platzgummer, M. Schmid, P. Varga, *Ion-beam induced fcc-bcc transition in ultrathin Fe films for ferromagnetic patterning*, Appl. Phys. Lett. 93 (2008) 063102–3. doi:[10.1063/1.2969795](https://doi.org/10.1063/1.2969795).
31. G. Rauchbauer, A. Buchsbaum, H. Schiechl, P. Varga, M. Schmid, A. Biedermann, *Ultra-thin Fe films grown on Cu by pulsed laser deposition: Intermixing and bcc-like structures*, Surf. Sci. 602 (2008) 1589–1598. doi:[10.1016/j.susc.2008.02.024](https://doi.org/10.1016/j.susc.2008.02.024).
32. E. Napetschnig, M. Schmid, P. Varga, *Ultrathin alumina film on Cu-9at%Al(111)*, Surf. Sci. 602 (2008) 1750–1756. doi:[10.1016/j.susc.2008.02.040](https://doi.org/10.1016/j.susc.2008.02.040).
33. J. Klikovits, M. Schmid, L. Merte, P. Varga, R. Westerström, A. Resta, J. Andersen, J. Gustafson, A. Mikkelsen, E. Lundgren, F. Mittendorfer, G. Kresse, *Step-Orientation-Dependent Oxidation: From 1D to 2D Oxides*, Phys. Rev. Lett. 101 (2008) 266104. doi:[10.1103/PhysRevLett.101.266104](https://doi.org/10.1103/PhysRevLett.101.266104).

34. A. Buchsbaum, G. Rauchbauer, P. Varga, M. Schmid, *Time-of-flight spectroscopy of the energy distribution of laser-ablated atoms and ions*, Rev. Sci. Instrum. 79 (2008) 043301. doi:[10.1063/1.2901607](https://doi.org/10.1063/1.2901607).
35. K. Aït-Mansour, A. Buchsbaum, P. Ruffieux, M. Schmid, P. Gröning, P. Varga, R. Fasel, O. Gröning, *Fabrication of a Well-Ordered Nanohole Array Stable at Room Temperature*, Nano Lett. 8 (2008) 2035–2040. doi:[10.1021/nl8013378](https://doi.org/10.1021/nl8013378).
36. R. Westerström, J. Gustafson, A. Resta, A. Mikkelsen, J.N. Andersen, E. Lundgren, N. Seriani, F. Mittendorfer, M. Schmid, J. Klikovits, P. Varga, M.D. Ackermann, J.W.M. Frenken, N. Kasper, A. Stierle, *Oxidation of Pd(553): From ultrahigh vacuum to atmospheric pressure*, Phys. Rev. B. 76 (2007) 155410. doi:[10.1103/PhysRevB.76.155410](https://doi.org/10.1103/PhysRevB.76.155410).
37. M. Schmid, G. Kresse, A. Buchsbaum, E. Napetschnig, S. Gritschneider, M. Reichling, P. Varga, *Nanotemplate with holes: Ultrathin alumina on Ni3Al(111)*, Phys. Rev. Lett. 99 (2007) 196104. doi:[10.1103/PhysRevLett.99.196104](https://doi.org/10.1103/PhysRevLett.99.196104).
38. E. Napetschnig, M. Schmid, P. Varga, *Pd, Co and Co-Pd clusters on the ordered alumina film on NiAl(110): Contact angle, surface structure and composition*, Surf. Sci. 601 (2007) 3233–3245. doi:[10.1016/j.susc.2007.05.047](https://doi.org/10.1016/j.susc.2007.05.047).
39. P. Kostelník, N. Seriani, G. Kresse, A. Mikkelsen, E. Lundgren, V. Blum, T. Šikola, P. Varga, M. Schmid, *The Pd(100)-(√5 x √5)R27°-O surface oxide: A LEED, DFT and STM study*, Surf. Sci. 601 (2007) 1574–1581. doi:[10.1016/j.susc.2007.01.026](https://doi.org/10.1016/j.susc.2007.01.026).
40. J. Klikovits, E. Napetschnig, M. Schmid, N. Seriani, O. Dubay, G. Kresse, P. Varga, *Surface oxides on Pd(111): STM and density functional calculations*, Phys. Rev. B. 76 (2007) 045405. doi:[10.1103/PhysRevB.76.045405](https://doi.org/10.1103/PhysRevB.76.045405).
41. M. Schmid, M. Shishkin, G. Kresse, E. Napetschnig, P. Varga, M. Kulawik, N. Nilius, H.-P. Rust, H.-J. Freund, *Oxygen-deficient line defects in an ultrathin aluminum oxide film*, Phys. Rev. Lett. 97 (2006) 046101–4. doi:[10.1103/PhysRevLett.97.046101](https://doi.org/10.1103/PhysRevLett.97.046101).
42. M. Schmid, A. Reicho, A. Stierle, I. Costina, J. Klikovits, P. Kostelník, O. Dubay, G. Kresse, J. Gustafson, E. Lundgren, J.N. Andersen, H. Dosch, P. Varga, *Structure of Ag(111)-p(4 x 4)-O: No Silver Oxide*, Phys. Rev. Lett. 96 (2006) 146102–4. doi:[10.1103/PhysRevLett.96.146102](https://doi.org/10.1103/PhysRevLett.96.146102).
43. M. Ondráček, F. Máca, J. Kudrnovský, J. Redinger, A. Biedermann, C. Fritscher, M. Schmid, P. Varga, *Chemical ordering and composition fluctuations at the (001) surface of the Fe₆₄Ni₃₆ Invar alloy*, Phys. Rev. B. 74 (2006) 235437–7. doi:[10.1103/PhysRevB.74.235437](https://doi.org/10.1103/PhysRevB.74.235437).
44. E. Lundgren, A. Mikkelsen, J.N. Andersen, G. Kresse, M. Schmid, P. Varga, *Surface oxides on close-packed surfaces of late transition metals*, J. Phys.: Condens. Matter. 18 (2006) R481–R499.

45. M. Knapp, D. Crihan, A.P. Seitsonen, A. Resta, E. Lundgren, J.N. Andersen, M. Schmid, P. Varga, H. Over, *Unusual Process of Water Formation on RuO₂(110) by Hydrogen Exposure at Room Temperature*, J. Phys. Chem. B. 110 (2006) 14007–14010. doi:[10.1021/jp0626622](https://doi.org/10.1021/jp0626622).
46. J. Klikovits, M. Schmid, J. Gustafson, A. Mikkelsen, A. Resta, E. Lundgren, J.N. Andersen, P. Varga, *Kinetics of the Reduction of the Rh(111) Surface Oxide: Linking Spectroscopy and Atomic-Scale Information*, J. Phys. Chem. B. 110 (2006) 9966–9975. doi:[10.1021/jp0611875](https://doi.org/10.1021/jp0611875).
47. J. Gustafson, A. Resta, A. Mikkelsen, R. Westerström, J.N. Andersen, E. Lundgren, J. Weissenrieder, M. Schmid, P. Varga, N. Kasper, X. Torrelles, S. Ferrer, F. Mittendorfer, G. Kresse, *Oxygen-induced step bunching and faceting of Rh(553): Experiment and ab initio calculations*, Phys. Rev. B. 74 (2006) 035401. doi:[10.1103/PhysRevB.74.035401](https://doi.org/10.1103/PhysRevB.74.035401).
48. H. Gabasch, W. Unterberger, K. Hayek, B. Klötzer, G. Kresse, C. Klein, M. Schmid, P. Varga, *Growth and decay of the Pd(111)-Pd₃O₄ surface oxide: Pressure-dependent kinetics and structural aspects*, Surf. Sci. 600 (2006) 205–218. doi:[10.1016/j.susc.2005.09.052](https://doi.org/10.1016/j.susc.2005.09.052).
49. I. Costina, M. Schmid, H. Schiechl, M. Gajdos, A. Stierle, S. Kumaragurubaran, J. Hafner, H. Dosch, P. Varga, *Combined STM, LEED and DFT study of Ag(100) exposed to oxygen near atmospheric pressures*, Surf. Sci. 600 (2006) 617–624. doi:[10.1016/j.susc.2005.11.020](https://doi.org/10.1016/j.susc.2005.11.020).
50. A. Biedermann, W. Rupp, M. Schmid, P. Varga, *Coexistence of fcc- and bcc-like crystal structures in ultrathin Fe films grown on Cu(111)*, Phys. Rev. B. 73 (2006) 165418–16. doi:[10.1103/PhysRevB.73.165418](https://doi.org/10.1103/PhysRevB.73.165418).
51. H. Schiechl, G. Rauchbauer, A. Biedermann, M. Schmid, P. Varga, *Growth of ultrathin Fe films on Cu(111) by pulsed laser deposition*, Surf. Sci. 594 (2005) 120–131. doi:[10.1016/j.susc.2005.07.016](https://doi.org/10.1016/j.susc.2005.07.016).
52. E. Lundgren, J. Gustafson, A. Resta, J. Weissenrieder, A. Mikkelsen, J.N. Andersen, L. Köhler, G. Kresse, J. Klikovits, A. Biederman, M. Schmid, P. Varga, *The surface oxide as a source of oxygen on Rh(111)*, J Electron Spectrosc. Relat. Phenom. 144–147 (2005) 367–372. doi:[10.1016/j.elspec.2005.01.004](https://doi.org/10.1016/j.elspec.2005.01.004).
53. G. Kresse, M. Schmid, E. Napetschnig, M. Shishkin, L. Köhler, P. Varga, *Structure of the Ultrathin Aluminum Oxide Film on NiAl(110)*, Science. 308 (2005) 1440–1442. doi:[10.1126/science.1107783](https://doi.org/10.1126/science.1107783).
54. J. Gustafson, A. Mikkelsen, M. Borg, J.N. Andersen, E. Lundgren, C. Klein, W. Hofer, M. Schmid, P. Varga, L. Köhler, G. Kresse, N. Kasper, A. Stierle, H. Dosch, *Structure of a thin oxide film on Rh(100)*, Phys. Rev. B. 71 (2005) 115442. doi:[10.1103/PhysRevB.71.115442](https://doi.org/10.1103/PhysRevB.71.115442).
55. M.P. Engelhardt, M. Schmid, A. Biedermann, R. Denecke, H.-P. Steinrück, P. Varga, *An STM study of growth and alloying of Cr on Ru(0001) and CO adsorption on the alloy*, Surf. Sci. 578 (2005) 124–135. doi:[10.1016/j.susc.2005.01.022](https://doi.org/10.1016/j.susc.2005.01.022).

56. J. Aßmann, D. Crihan, M. Knapp, E. Lundgren, E. Löffler, M. Muhler, V. Narkhede, H. Over, M. Schmid, A.P. Seitsonen, P. Varga, *Understanding the Structural Deactivation of Ruthenium Catalysts on an Atomic Scale under both Oxidizing and Reducing Conditions*, *Angew. Chem. Int. Ed.* 44 (2005) 917–920. doi:[10.1002/anie.200461805](https://doi.org/10.1002/anie.200461805).
57. J. Yuhara, J. Klikovits, M. Schmid, P. Varga, Y. Yokoyama, T. Shishido, K. Soda, *Atomic structure of an Al-Co-Ni decagonal quasicrystalline surface*, *Phys. Rev. B.* 70 (2004) 024203. doi:[10.1103/PhysRevB.70.024203](https://doi.org/10.1103/PhysRevB.70.024203).
58. H. Over, M. Knapp, E. Lundgren, A.P. Seitsonen, M. Schmid, P. Varga, *Visualization of Atomic Processes on Ruthenium Dioxide using Scanning Tunneling Microscopy*, *ChemPhysChem.* 5 (2004) 167–174. doi:[10.1002/cphc.200300833](https://doi.org/10.1002/cphc.200300833).
59. E. Napetschnig, M. Schmid, P. Varga, *Growth of Ce on Rh(111)*, *Surf. Sci.* 556 (2004) 1–10. doi:[10.1016/j.susc.2004.03.006](https://doi.org/10.1016/j.susc.2004.03.006).
60. L. Köhler, G. Kresse, M. Schmid, E. Lundgren, J. Gustafson, A. Mikkelsen, M. Borg, J. Yuhara, J.N. Andersen, M. Marsman, P. Varga, *High-Coverage Oxygen Structures on Rh(111): Adsorbate Repulsion and Site Preference Is Not Enough*, *Phys. Rev. Lett.* 93 (2004) 266103. doi:[10.1103/PhysRevLett.93.266103](https://doi.org/10.1103/PhysRevLett.93.266103).
61. C. Klein, R. Koller, E. Lundgren, F. Máca, J. Redinger, M. Schmid, P. Varga, *Structure of the cobalt-filled missing-row reconstruction of Pt(110)*, *Phys. Rev. B.* 70 (2004) 153403. doi:[10.1103/PhysRevB.70.153403](https://doi.org/10.1103/PhysRevB.70.153403).
62. J. Gustafson, A. Mikkelsen, M. Borg, E. Lundgren, L. Köhler, G. Kresse, M. Schmid, P. Varga, J. Yuhara, X. Torrelles, C. Quirós, J.N. Andersen, *Self-Limited Growth of a Thin Oxide Layer on Rh(111)*, *Phys. Rev. Lett.* 92 (2004) 126102. doi:[10.1103/PhysRevLett.92.126102](https://doi.org/10.1103/PhysRevLett.92.126102).
63. A. Biedermann, R. Tscheliessnig, C. Klein, M. Schmid, P. Varga, *Reconstruction of the clean and H covered “magnetic live surface layer” of Fe films grown on Cu(100)*, *Surf. Sci.* 563 (2004) 110–126. doi:[10.1016/j.susc.2004.06.150](https://doi.org/10.1016/j.susc.2004.06.150).
64. A. Biedermann, R. Tscheliessnig, M. Schmid, P. Varga, *Local atomic structure of ultra-thin Fe films grown on Cu(100)*, *Appl. Phys. A.* 78 (2004) 807–816. doi:[10.1007/s00339-003-2435-7](https://doi.org/10.1007/s00339-003-2435-7).
65. J. Yuhara, M. Schmid, P. Varga, *Two-dimensional alloy of immiscible metals: Single and binary monolayer films of Pb and Sn on Rh(111)*, *Phys. Rev. B.* 67 (2003) 195407. doi:[10.1103/PhysRevB.67.195407](https://doi.org/10.1103/PhysRevB.67.195407).
66. G. Kresse, W. Bergermayer, R. Podloucky, E. Lundgren, R. Koller, M. Schmid, P. Varga, *Complex surface reconstructions solved by ab initio molecular dynamics*, *Appl. Phys. A.* 76 (2003) 701–710. doi:[10.1007/s00339-002-2007-2](https://doi.org/10.1007/s00339-002-2007-2).

67. R. Koller, Y. Gauthier, C. Klein, M. De Santis, M. Schmid, P. Varga, *Surface structure and composition of Pt₅₀Rh₅₀(110): room temperature analysis of the (1 × 3) missing-row reconstruction*, Surf. Sci. 530 (2003) 121–135. doi:[10.1016/S0039-6028\(03\)00381-9](https://doi.org/10.1016/S0039-6028(03)00381-9).
68. C. Klein, G. Kresse, S. Surnev, F.P. Netzer, M. Schmid, P. Varga, *Vanadium surface oxides on Pd(111): A structural analysis*, Phys. Rev. B. 68 (2003) 235416. doi:[10.1103/PhysRevB.68.235416](https://doi.org/10.1103/PhysRevB.68.235416).
69. C. Klein, A. Eichler, E.L.D. Hebenstreit, G. Pauer, R. Koller, A. Winkler, M. Schmid, P. Varga, *When Scanning Tunneling Microscopy Gets the Wrong Adsorption Site: H on Rh(100)*, Phys. Rev. Lett. 90 (2003) 176101. doi:[10.1103/PhysRevLett.90.176101](https://doi.org/10.1103/PhysRevLett.90.176101).
70. R. Kalousek, M. Schmid, A. Hammerschmid, E. Lundgren, P. Varga, *Slowing down adatom diffusion by an adsorbate: Co on Pt(111) with and without preadsorbed CO*, Phys. Rev. B. 68 (2003) 233401. doi:[10.1103/PhysRevB.68.233401](https://doi.org/10.1103/PhysRevB.68.233401).
71. Y. Gauthier, M. Schmid, W. Hebenstreit, P. Varga, *Surface structure of the missing-row reconstruction of VC0.8(110): a scanning tunneling microscopy analysis*, Surf. Sci. 547 (2003) 394–402. doi:[10.1016/j.susc.2003.10.016](https://doi.org/10.1016/j.susc.2003.10.016).
72. S. Shaikhutdinov, M. Heemeier, J. Hoffmann, I. Meusel, B. Richter, M. Bäumer, H. Kuhlbeck, J. Libuda, H.-J. Freund, R. Oldman, S.D. Jackson, C. Konvicka, M. Schmid, P. Varga, *Interaction of oxygen with palladium deposited on a thin alumina film*, Surf. Sci. 501 (2002) 270–281. doi:[10.1016/S0039-6028\(01\)01850-7](https://doi.org/10.1016/S0039-6028(01)01850-7).
73. M. Schmid, P. Varga, *Segregation and surface chemical ordering—an experimental view on the atomic scale*, in: D.P. Woodruff (Ed.), Surface Alloys and Alloy Surfaces, Elsevier, 2002: pp. 118–151. [http://dx.doi.org/10.1016/S1571-0785\(02\)80091-8](http://dx.doi.org/10.1016/S1571-0785(02)80091-8).
74. H. Over, A.P. Seitsonen, E. Lundgren, M. Schmid, P. Varga, *Experimental and simulated STM images of stoichiometric and partially reduced RuO₂(110) surfaces including adsorbates*, Surf. Sci. 515 (2002) 143–156. doi:[10.1016/S0039-6028\(02\)01853-8](https://doi.org/10.1016/S0039-6028(02)01853-8).
75. E. Lundgren, G. Leonardelli, M. Schmid, P. Varga, *A misfit structure in the Co/Pt(111) system studied by scanning tunnelling microscopy and embedded atom method calculations*, Surf. Sci. 498 (2002) 257–265. doi:[10.1016/S0039-6028\(01\)01754-X](https://doi.org/10.1016/S0039-6028(01)01754-X).
76. E. Lundgren, G. Kresse, C. Klein, M. Borg, J.N. Andersen, M. De Santis, Y. Gauthier, C. Konvicka, M. Schmid, P. Varga, *Two-dimensional oxide on Pd(111)*, Phys. Rev. Lett. 88 (2002) 246103. doi:[10.1103/PhysRevLett.88.246103](https://doi.org/10.1103/PhysRevLett.88.246103).
77. E. Lundgren, J.N. Andersen, R. Nyholm, X. Torrelles, J. Rius, A. Delin, A. Grechnev, O. Eriksson, C. Konvicka, M. Schmid, P. Varga, *Geometry of the valence transition induced surface reconstruction of Sm(0001)*, Phys. Rev. Lett. 88 (2002) 136102. doi:[10.1103/PhysRevLett.88.136102](https://doi.org/10.1103/PhysRevLett.88.136102).

78. C. Konvicka, A. Hammerschmid, M. Schmid, P. Varga, *Stabilizing single metal adatoms at room temperature: Pd on C- and O-covered V(100)*, Surf. Sci. 496 (2002) 209–220. doi:[10.1016/S0039-6028\(01\)01605-3](https://doi.org/10.1016/S0039-6028(01)01605-3).
79. R. Koller, W. Bergermayer, G. Kresse, C. Konvicka, M. Schmid, J. Redinger, R. Podloucky, P. Varga, *The structure of the oxygen-induced $c(6\times 2)$ reconstruction of V(110)*, Surf. Sci. 512 (2002) 16–28. doi:[10.1016/S0039-6028\(02\)01722-3](https://doi.org/10.1016/S0039-6028(02)01722-3).
80. M.M.J. Bischoff, C. Konvicka, A.J. Quinn, M. Schmid, J. Redinger, R. Podloucky, P. Varga, H. van Kempen, *Scanning tunneling spectroscopy on clean and contaminated V(001)*, Surf. Sci. 513 (2002) 9–25. doi:[10.1016/S0039-6028\(02\)01783-1](https://doi.org/10.1016/S0039-6028(02)01783-1).
81. W. Bergermayer, R. Koller, C. Konvicka, M. Schmid, G. Kresse, J. Redinger, P. Varga, R. Podloucky, *Superstructures of carbon on V(100)*, Surf. Sci. 497 (2002) 294–304. doi:[10.1016/S0039-6028\(01\)01659-4](https://doi.org/10.1016/S0039-6028(01)01659-4).
82. P. Varga, E. Lundgren, J. Redinger, M. Schmid, *Ultrathin Films of Co on Pt(111): an STM View*, Physica Stat. Sol. 187 (2001) 97–112. doi:[10.1002/1521-396X\(200109\)187:1<97::AID-PSSA97>3.0.CO;2-A](https://doi.org/10.1002/1521-396X(200109)187:1<97::AID-PSSA97>3.0.CO;2-A).
83. M. Schmid, E. Lundgren, G. Leonardelli, A. Hammerschmid, B. Stanka, P. Varga, *Exchange processes in interlayer diffusion – kinks, corners and the growth mode*, Appl. Phys. A. 72 (2001) 405–412. doi:[10.1007/s003390100753](https://doi.org/10.1007/s003390100753).
84. M. Schmid, G. Leonardelli, R. Tscheließnig, A. Biedermann, P. Varga, *Oxygen adsorption on Al(111): low transient mobility*, Surf. Sci. 478 (2001) L355–L362. doi:[10.1016/S0039-6028\(01\)00967-0](https://doi.org/10.1016/S0039-6028(01)00967-0).
85. H. Over, A.P. Seitsonen, E. Lundgren, M. Schmid, P. Varga, *Direct imaging of catalytically important processes in the oxidation of CO over RuO₂(110)*, J. Am. Chem. Soc. 123 (2001) 11807–11808. doi:[10.1021/ja016408t](https://doi.org/10.1021/ja016408t).
86. R. Koller, W. Bergermayer, G. Kresse, E.L.D. Hebenstreit, C. Konvicka, M. Schmid, R. Podloucky, P. Varga, *The structure of the oxygen induced (1×5) reconstruction of V(100)*, Surf. Sci. 480 (2001) 11–24. doi:[10.1016/S0039-6028\(01\)00978-5](https://doi.org/10.1016/S0039-6028(01)00978-5).
87. B. Klötzer, K. Hayek, C. Konvicka, E. Lundgren, P. Varga, *Oxygen-induced surface phase transformation of Pd(111): sticking, adsorption and desorption kinetics*, Surf. Sci. 482–485 (2001) 237–242. doi:[10.1016/S0039-6028\(01\)00750-6](https://doi.org/10.1016/S0039-6028(01)00750-6).
88. W.A. Hofer, J. Redinger, A. Biedermann, P. Varga, *Quenching surface states with the tip: STM scans on Fe(100)*, Surface Science. 482–485 (2001) 1113–1118. doi:[10.1016/S0039-6028\(01\)00785-3](https://doi.org/10.1016/S0039-6028(01)00785-3).
89. G. Hayderer, S. Cernusca, M. Schmid, P. Varga, H. Winter, F. Aumayr, *STM Studies of HCl-induced Surface Damage on Highly Oriented Pyrolytic Graphite*, Phys. Scripta. T92 (2001) 156–157. doi:[10.1238/Physica.Topical.092a00156](https://doi.org/10.1238/Physica.Topical.092a00156).

90. G. Hayderer, S. Cernusca, M. Schmid, P. Varga, H. Winter, F. Aumayr, D. Niemann, V. Hoffmann, N. Stolterfoht, C. Lemell, L. Wirtz, J. Burgdörfer, *Kinetically Assisted Potential Sputtering of Insulators by Highly Charged Ions*, Phys. Rev. Lett. 86 (2001) 3530. doi:[10.1103/PhysRevLett.86.3530](https://doi.org/10.1103/PhysRevLett.86.3530).
91. G. Hayderer, S. Cernusca, V. Hoffmann, D. Niemann, N. Stolterfoht, M. Schmid, P. Varga, H. Winter, F. Aumayr, *Sputtering of Au and Al₂O₃ surfaces by slow highly charged ions*, Nucl. Instrum. Methods B. 182 (2001) 143–147. doi:[10.1016/S0168-583X\(01\)00668-1](https://doi.org/10.1016/S0168-583X(01)00668-1).
92. Y. Gauthier, M. Schmid, S. Padovani, E. Lundgren, V. Buš, G. Kresse, J. Redinger, P. Varga, *Adsorption Sites and Ligand Effect for CO on an Alloy Surface: A Direct View*, Phys. Rev. Lett. 87 (2001) 036103. doi:[10.1103/PhysRevLett.87.036103](https://doi.org/10.1103/PhysRevLett.87.036103).
93. V. Blum, L. Hammer, W. Meier, K. Heinz, M. Schmid, E. Lundgren, P. Varga, *Segregation and ordering at Fe_{1-x}Al_x(100) surfaces - a model case for binary alloys*, Surf. Sci. 474 (2001) 81–97. doi:[10.1016/S0039-6028\(00\)00987-0](https://doi.org/10.1016/S0039-6028(00)00987-0).
94. M.M.J. Bischoff, C. Konvicka, A.J. Quinn, M. Schmid, J. Redinger, R. Podloucky, P. Varga, H. van Kempen, *Influence of Impurities on Localized Transition Metal Surface States: Scanning Tunneling Spectroscopy on V(001)*, Phys. Rev. Lett. 86 (2001) 2396. doi:[10.1103/PhysRevLett.86.2396](https://doi.org/10.1103/PhysRevLett.86.2396).
95. A. Biedermann, R. Tscheliebnig, M. Schmid, P. Varga, *Crystallographic Structure of Ultrathin Fe Films on Cu(100)*, Phys. Rev. Lett. 87 (2001) 086103. doi:[10.1103/PhysRevLett.87.086103](https://doi.org/10.1103/PhysRevLett.87.086103).
96. A. Biedermann, M. Schmid, P. Varga, *Nucleation of bcc Iron in Ultrathin fcc Films*, Phys. Rev. Lett. 86 (2001) 464. doi:[10.1103/PhysRevLett.86.464](https://doi.org/10.1103/PhysRevLett.86.464).
97. L. Wirtz, G. Hayderer, C. Lemell, J. Burgdörfer, L. Hägg, C.O. Reinhold, P. Varga, P. Winter, F. Aumayr, *Curve-crossing analysis for potential sputtering of insulators*, Surf. Sci. 451 (2000) 197–202. doi:[10.1016/S0039-6028\(00\)00027-3](https://doi.org/10.1016/S0039-6028(00)00027-3).
98. P. Varga, M. Schmid, J. Redinger, *Hochauflösende Rastertunnelmikroskopie unterscheidet Atome*, Physik in unserer Zeit. 31 (2000) 215–221. doi:[10.1002/1521-3943\(200009\)31:5<215::AID-PIUZ215>3.0.CO;2-0](https://doi.org/10.1002/1521-3943(200009)31:5<215::AID-PIUZ215>3.0.CO;2-0).
99. M. Schmid, S. Crampin, P. Varga, *STM and STS of bulk electron scattering by subsurface objects*, J. Electron Spectrosc. Relat. Phenom. 109 (2000) 71–84. doi:[10.1016/S0368-2048\(00\)00108-0](https://doi.org/10.1016/S0368-2048(00)00108-0).
100. E. Platzgummer, M. Sporn, R. Koller, M. Schmid, W. Hofer, P. Varga, *Temperature-dependent segregation reversal and (1×3) missing-row structure of Pt₉₀Co₁₀(110)*, Surf. Sci. 453 (2000) 214–224. doi:[10.1016/S0039-6028\(00\)00351-4](https://doi.org/10.1016/S0039-6028(00)00351-4).

101. H. Over, Y.D. Kim, A.P. Seitsonen, S. Wendt, E. Lundgren, M. Schmid, P. Varga, A. Morgante, G. Ertl, *Atomic-scale structure and catalytic reactivity of the RuO₂(110) surface*, Science. 287 (2000) 1474–1476. doi:[10.1126/science.287.5457.1474](https://doi.org/10.1126/science.287.5457.1474).
102. E. Lundgren, B. Stanka, M. Schmid, P. Varga, *Thin films of Co on Pt(111): Strain relaxation and growth*, Phys. Rev. B. 62 (2000) 2843. doi:[10.1103/PhysRevB.62.2843](https://doi.org/10.1103/PhysRevB.62.2843).
103. E. Lundgren, M. Schmid, G. Leonardelli, A. Hammerschmid, B. Stanka, P. Varga, *On the role of kinks and strain in heteroepitaxial growth: An STM study*, Surf. Rev. Lett. 7 (2000) 673–677. doi:[10.1142/S0218625X00000750](https://doi.org/10.1142/S0218625X00000750).
104. G. Krenn, C. Eibl, W. Mauritsch, E.L.D. Hebenstreit, P. Varga, A. Winkler, *Adsorption kinetics and energetics of atomic hydrogen (deuterium) on oxygen and carbon covered V(100)*, Surf. Sci. 445 (2000) 343–357. doi:[10.1016/S0039-6028\(99\)01080-8](https://doi.org/10.1016/S0039-6028(99)01080-8).
105. C. Konvicka, Y. Jeanvoine, E. Lundgren, G. Kresse, M. Schmid, J. Hafner, P. Varga, *Surface and subsurface alloy formation of vanadium on Pd(111)*, Surf. Sci. 463 (2000) 199–210. doi:[10.1016/S0039-6028\(00\)00643-9](https://doi.org/10.1016/S0039-6028(00)00643-9).
106. W. Hebenstreit, M. Schmid, J. Redinger, R. Podloucky, P. Varga, *Bulk Terminated NaCl(111) on Aluminum: A Polar Surface of an Ionic Crystal?*, Phys. Rev. Lett. 85 (2000) 5376. doi:[10.1103/PhysRevLett.85.5376](https://doi.org/10.1103/PhysRevLett.85.5376).
107. G. Hayderer, C. Lemell, L. Wirtz, M. Schmid, J. Burgdörfer, P. Varga, H. Winter, F. Aumayr, *Observation of a threshold in potential sputtering of LiF surfaces*, Nucl. Instrum. Methods B. 164–165 (2000) 517–521. doi:[10.1016/S0168-583X\(99\)01070-8](https://doi.org/10.1016/S0168-583X(99)01070-8).
108. Y. Gauthier, R. Baudoing-Savois, J.M. Bugnard, W. Hebenstreit, M. Schmid, P. Varga, *Segregation and chemical ordering in the surface layers of Pt₂₅Co₇₅(111): a LEED/STM study*, Surf. Sci. 466 (2000) 155–166. doi:[10.1016/S0039-6028\(00\)00751-2](https://doi.org/10.1016/S0039-6028(00)00751-2).
109. M. Beutl, J. Lesnik, E. Lundgren, C. Konvicka, P. Varga, K.D. Rendulic, *Interaction of H₂, CO and O₂ with a vanadium (111) surface*, Surf. Sci. 447 (2000) 245–258. doi:[10.1016/S0039-6028\(99\)01200-5](https://doi.org/10.1016/S0039-6028(99)01200-5).
110. P.T. Wouda, M. Schmid, B.E. Nieuwenhuys, P. Varga, *Adsorbate migration on PdAg(111)*, Surf. Sci. 423 (1999) L229–L235. doi:[10.1016/S0039-6028\(98\)00937-6](https://doi.org/10.1016/S0039-6028(98)00937-6).
111. P. Varga, M. Schmid, *Chemical discrimination on atomic level by STM*, Appl. Surf. Sci. 141 (1999) 287–293. doi:[10.1016/S0169-4332\(98\)00514-5](https://doi.org/10.1016/S0169-4332(98)00514-5).
112. M. Schmid, G. Leonardelli, M. Sporn, E. Platzgummer, W. Hebenstreit, M. Pinczolits, P. Varga, *Oxygen-induced vacancy formation on a metal surface*, Phys. Rev. Lett. 82 (1999) 355. doi:[10.1103/PhysRevLett.82.355](https://doi.org/10.1103/PhysRevLett.82.355).

113. E. Platzgummer, M. Sporn, R. Koller, S. Forsthuber, M. Schmid, W. Hofer, P. Varga, *Temperature-dependent segregation on Pt₂₅Rh₇₅(111) and (100)*, Surf. Sci. 419 (1999) 236–248. doi:[10.1016/S0039-6028\(98\)00800-0](https://doi.org/10.1016/S0039-6028(98)00800-0).
114. E. Platzgummer, M. Sporn, R. Koller, M. Schmid, W. Hofer, P. Varga, *Temperature-dependent segregation and (1×2) missing-row reconstruction of Pt₂₅Rh₇₅(110)*, Surf. Sci. 423 (1999) 134–143. doi:[10.1016/S0039-6028\(98\)00924-8](https://doi.org/10.1016/S0039-6028(98)00924-8).
115. E. Lundgren, B. Stanka, G. Leonardelli, M. Schmid, P. Varga, *Interlayer Diffusion of Adatoms: A Scanning-Tunneling Microscopy Study*, Phys. Rev. Lett. 82 (1999) 5068. doi:[10.1103/PhysRevLett.82.5068](https://doi.org/10.1103/PhysRevLett.82.5068).
116. E. Lundgren, B. Stanka, W. Koprolin, M. Schmid, P. Varga, *An atomic-scale study of the Co induced dendrite formation on Pt(111)*, Surf. Sci. 423 (1999) 357–363. doi:[10.1016/S0039-6028\(98\)00931-5](https://doi.org/10.1016/S0039-6028(98)00931-5).
117. W.A. Hofer, J. Redinger, P. Varga, *Modeling STM tips by single absorbed atoms on W(100) films: 5d transition metal atoms*, Sol. State Commun. 113 (1999) 245–250. doi:[10.1016/S0038-1098\(99\)00489-5](https://doi.org/10.1016/S0038-1098(99)00489-5).
118. W. Hebenstreit, J. Redinger, Z. Horozova, M. Schmid, R. Podlucky, P. Varga, *Atomic resolution by STM on ultra-thin films of alkali halides: experiment and local density calculations*, Surf. Sci. 424 (1999) L321–L328. doi:[10.1016/S0039-6028\(99\)00095-3](https://doi.org/10.1016/S0039-6028(99)00095-3).
119. E.L.D. Hebenstreit, W. Hebenstreit, M. Schmid, P. Varga, *Pt₂₅Rh₇₅(111), (110), and (100) studied by scanning tunnelling microscopy with chemical contrast*, Surf. Sci. 441 (1999) 441–453. doi:[10.1016/S0039-6028\(99\)00880-8](https://doi.org/10.1016/S0039-6028(99)00880-8).
120. G. Hayderer, M. Schmid, P. Varga, H.P. Winter, F. Aumayr, L. Wirtz, C. Lemell, J. Burgdörfer, L. Hägg, C.O. Reinhold, *Threshold for Potential Sputtering of LiF*, Phys. Rev. Lett. 83 (1999) 3948. doi:[10.1103/PhysRevLett.83.3948](https://doi.org/10.1103/PhysRevLett.83.3948).
121. G. Hayderer, M. Schmid, P. Varga, H. Winter, F. Aumayr, *A highly sensitive quartz-crystal microbalance for sputtering investigations in slow ion--surface collisions*, Rev. Sci. Instrum. 70 (1999) 3696–3700. doi:[10.1063/1.1149979](https://doi.org/10.1063/1.1149979).
122. M. Duisberg, M. Dräger, K. Wandelt, E.L.D. Gruber, M. Schmid, P. Varga, *High temperature growth of Pt on the Rh(111) surface*, Surf. Sci. 433–435 (1999) 554–558. doi:[10.1016/S0039-6028\(99\)00037-0](https://doi.org/10.1016/S0039-6028(99)00037-0).
123. F. Aumayr, P. Varga, H.P. Winter, *Potential sputtering: desorption from insulator surfaces by impact of slow multicharged ions*, International Journal of Mass Spectrometry. 192 (1999) 415–424. doi:[10.1016/S1387-3806\(99\)00075-5](https://doi.org/10.1016/S1387-3806(99)00075-5).
124. F. Aumayr, J. Burgdorfer, G. Hayderer, P. Varga, H.P. Winter, *Evidence against the “Coulomb explosion” model for desorption from insulator surfaces by slow highly charged ions*, Phys. Scr. T80B (1999) 240–242. doi:[10.1238/Physica.Topical.080a00240](https://doi.org/10.1238/Physica.Topical.080a00240).

125. P.T. Wouda, M. Schmid, B.E. Nieuwenhuys, P. Varga, *STM study of the (111) and (100) surfaces of PdAg*, Surf. Sci. 417 (1998) 292–300. doi:[10.1016/S0039-6028\(98\)00673-6](https://doi.org/10.1016/S0039-6028(98)00673-6).
126. M. Sporn, E. Platzgummer, M. Pinczolits, W. Hebenstreit, M. Schmid, W. Hofer, P. Varga, *Anti-corrugation and nitrogen c(2 × 2) on Cr(100): STM on atomic scale and quantitative LEED*, Surf. Sci. 396 (1998) 78–86. doi:[10.1016/S0039-6028\(97\)00660-2](https://doi.org/10.1016/S0039-6028(97)00660-2).
127. M. Sporn, E. Platzgummer, E.L.D. Gruber, M. Schmid, W. Hofer, P. Varga, *A quantitative LEED analysis of the oxygen-induced p(3 × 1) reconstruction of Pt₂₅Rh₇₅(100)*, Surf. Sci. 416 (1998) 384–395. doi:[10.1016/S0039-6028\(98\)00574-3](https://doi.org/10.1016/S0039-6028(98)00574-3).
128. M. Sporn, E. Platzgummer, S. Forsthuber, M. Schmid, W. Hofer, P. Varga, *The accuracy of quantitative LEED in determining chemical composition profiles of substitutionally disordered alloys: a case study*, Surf. Sci. 416 (1998) 423–429. doi:[10.1016/S0039-6028\(98\)00596-2](https://doi.org/10.1016/S0039-6028(98)00596-2).
129. E. Platzgummer, M. Borrell, C. Nagl, M. Schmid, P. Varga, *Trajectory-dependent neutralization of 1 keV He⁺ ions scattered from Pb(111) and Pb films on Cu(100)*, Surf. Sci. 412–413 (1998) 202–212. doi:[10.1016/S0039-6028\(98\)00388-4](https://doi.org/10.1016/S0039-6028(98)00388-4).
130. W.A. Hofer, G. Ritz, W. Hebenstreit, M. Schmid, P. Varga, J. Redinger, R. Podloucky, *Scanning tunneling microscopy of binary-alloy surfaces: is chemical contrast a consequence of alloying?*, Surf. Sci. 405 (1998) L514–L519. doi:[10.1016/S0039-6028\(98\)00140-X](https://doi.org/10.1016/S0039-6028(98)00140-X).
131. Y. Gauthier, P. Dolle, R. Baudoing-Savois, W. Hebenstreit, E. Platzgummer, M. Schmid, P. Varga, *Chemical ordering and reconstruction of Pt₂₅Co₇₅(100): an LEED/STM study*, Surf. Sci. 396 (1998) 137–155. doi:[10.1016/S0039-6028\(97\)00665-1](https://doi.org/10.1016/S0039-6028(97)00665-1).
132. U. Diebold, J. Lehman, T. Mahmoud, M. Kuhn, G. Leonardelli, W. Hebenstreit, M. Schmid, P. Varga, *Intrinsic defects on a TiO₂(110)(1 × 1) surface and their reaction with oxygen: a scanning tunneling microscopy study*, Surf. Sci. 411 (1998) 137–153. doi:[10.1016/S0039-6028\(98\)00356-2](https://doi.org/10.1016/S0039-6028(98)00356-2).
133. U. Diebold, W. Hebenstreit, G. Leonardelli, M. Schmid, P. Varga, *High Transient Mobility of Chlorine on TiO₂(110): Evidence for “Cannon-Ball” Trajectories of Hot Adsorbates*, Phys. Rev. Lett. 81 (1998) 405. doi:[10.1103/PhysRevLett.81.405](https://doi.org/10.1103/PhysRevLett.81.405).
134. M. Aschoff, S. Speller, J. Kuntze, W. Heiland, E. Platzgummer, M. Schmid, P. Varga, B. Baretzky, *Unreconstructed Au(100) monolayers on a Au₃Pd(100) single-crystal surface*, Surf. Sci. 415 (1998) L1051–L1054. doi:[10.1016/S0039-6028\(98\)00564-0](https://doi.org/10.1016/S0039-6028(98)00564-0).
135. P.T. Wouda, M. Schmid, W. Hebenstreit, P. Varga, *Interaction of oxygen with PtRh(100) studied with STM*, Surf. Sci. 388 (1997) 63–70. doi:[10.1016/S0039-6028\(97\)00375-0](https://doi.org/10.1016/S0039-6028(97)00375-0).
136. P. Varga, T. Neidhart, M. Sporn, G. Libiseller, M. Schmid, F. Aumayr, H.P. Winter, *Sputter yields of insulators bombarded with hyperthermal multiply charged ions*, Phys. Scripta. T73 (1997) 307–310. doi:[10.1088/0031-8949/1997/T73/100](https://doi.org/10.1088/0031-8949/1997/T73/100).

137. M. Sporn, G. Libiseller, T. Neidhart, M. Schmid, F. Aumayr, H. Winter, P. Varga, M. Grether, D. Niemann, N. Stolterfoht, *Potential Sputtering of Clean SiO₂ by Slow Highly Charged Ions*, Phys. Rev. Lett. 79 (1997) 945. doi:[10.1103/PhysRevLett.79.945](https://doi.org/10.1103/PhysRevLett.79.945).
138. M. Schmid, M. Pinczolits, W. Hebenstreit, P. Varga, *The nitrogen-induced herringbone reconstruction of Cr(110)*, Surf. Sci. 389 (1997) L1140–L1146. doi:[10.1016/S0039-6028\(97\)00474-3](https://doi.org/10.1016/S0039-6028(97)00474-3).
139. M. Schmid, M. Pinczolits, W. Hebenstreit, P. Varga, *Segregation of impurities on Cr(100) studied by AES and STM*, Surf. Sci. 377–379 (1997) 1023–1027. doi:[10.1016/S0039-6028\(96\)01539-7](https://doi.org/10.1016/S0039-6028(96)01539-7).
140. G. Ritz, M. Schmid, P. Varga, A. Borg, M. Rønning, *Pt(100) quasihexagonal reconstruction: A comparison between scanning tunneling microscopy data and effective medium theory simulation calculations*, Phys. Rev. B. 56 (1997) 10518. doi:[10.1103/PhysRevB.56.10518](https://doi.org/10.1103/PhysRevB.56.10518).
141. W. Hebenstreit, G. Ritz, M. Schmid, A. Biedermann, P. Varga, *Segregation and reconstructions of Pt_xNi_{1-x}(100)*, Surf. Sci. 388 (1997) 150–161. doi:[10.1016/S0039-6028\(97\)00392-0](https://doi.org/10.1016/S0039-6028(97)00392-0).
142. M. Borrell, A. Jentys, P. Varga, *Study of silica supported Pt_xNi_{1-x} catalysts by ion scattering spectroscopy*, Microchim. Acta. 125 (1997) 389–393. doi:[10.1007/BF01246216](https://doi.org/10.1007/BF01246216).
143. A. Arnau, F. Aumayr, P.M. Echenique, M. Grether, W. Heiland, J. Limburg, R. Morgenstern, P. Roncin, S. Schippers, R. Schuch, N. Stolterfoht, P. Varga, T.J.M. Zouros, H.P. Winter, *Interaction of slow multicharged ions with solid surfaces*, Surf. Sci. Rep. 27 (1997) 113–239. doi:[10.1016/S0167-5729\(97\)00002-2](https://doi.org/10.1016/S0167-5729(97)00002-2).
144. P.T. Wouda, B.E. Nieuwenhuys, M. Schmid, P. Varga, *Chemically resolved STM on a PtRh(100) surface*, Surf. Sci. 359 (1996) 17–22. doi:[10.1016/0039-6028\(96\)00022-2](https://doi.org/10.1016/0039-6028(96)00022-2).
145. P. Varga, M. Schmid, W. Hofer, *Segregation phenomena on Pt_xNi_{1-x} low-index single crystal surfaces studied by STM*, Surf. Rev. Lett. 03 (1996) 1831–1845. doi:[10.1142/S0218625X9600276X](https://doi.org/10.1142/S0218625X9600276X).
146. R.M. Tsong, M. Schmid, C. Nagl, P. Varga, R.F. Davis, I.S.T. Tsong, *Scanning tunneling microscopy studies of niobium carbide (100) and (110) surfaces*, Surf. Sci. 366 (1996) 85–92. doi:[10.1016/0039-6028\(96\)00804-7](https://doi.org/10.1016/0039-6028(96)00804-7).
147. M. Schmid, W. Hebenstreit, P. Varga, S. Crampin, *Quantum Wells and Electron Interference Phenomena in Al due to Subsurface Noble Gas Bubbles*, Phys. Rev. Lett. 76 (1996) 2298. doi:[10.1103/PhysRevLett.76.2298](https://doi.org/10.1103/PhysRevLett.76.2298).
148. G. Ritz, M. Schmid, A. Biedermann, P. Varga, *Strain-induced local surface chemical ordering observed by STM*, Phys. Rev. B. 53 (1996) 16019–16026. doi:[10.1103/PhysRevB.53.16019](https://doi.org/10.1103/PhysRevB.53.16019).

149. C. Nagl, M. Schmid, P. Varga, *Inverse corrugation and corrugation enhancement of Pb superstructures on Cu(111) and (110)*, Surf. Sci. 369 (1996) 159–168. doi:[10.1016/S0039-6028\(96\)00907-7](https://doi.org/10.1016/S0039-6028(96)00907-7).
150. C. Nagl, E. Platzgummer, M. Schmid, P. Varga, S. Speller, W. Heiland, *Subsurface islands and superstructures of Cu on Pb(111)*, Surf. Sci. 352–354 (1996) 540–545. doi:[10.1016/0039-6028\(95\)01200-1](https://doi.org/10.1016/0039-6028(95)01200-1).
151. A. Biedermann, O. Genser, W. Hebenstreit, M. Schmid, J. Redinger, R. Podloucky, P. Varga, *Scanning Tunneling Spectroscopy of One-Dimensional Surface States on a Metal Surface*, Phys. Rev. Lett. 76 (1996) 4179. doi:[10.1103/PhysRevLett.76.4179](https://doi.org/10.1103/PhysRevLett.76.4179).
152. M. Vana, F. Aumayr, P. Varga, H.P. Winter, *Electron Emission from Polycrystalline Lithium Fluoride Induced by Slow Multicharged Ions*, Europhys. Lett. 29 (1995) 55. doi:[10.1209/0295-5075/29/1/010](https://doi.org/10.1209/0295-5075/29/1/010).
153. M. Vana, F. Aumayr, P. Varga, H.P. Winter, *Electron emission from polycrystalline lithium fluoride bombarded by slow multicharged ions*, Nucl. Instrum. Methods B. 100 (1995) 284–289. doi:[10.1016/0168-583X\(94\)00814-0](https://doi.org/10.1016/0168-583X(94)00814-0).
154. S. Speller, W. Heiland, A. Biedermann, E. Platzgummer, C. Nagl, M. Schmid, P. Varga, *An STM study of the step structure of Pb(110) and Pb(111)*, Surf. Sci. 331–333 (1995) 1056–1061. doi:[10.1016/0039-6028\(95\)00257-X](https://doi.org/10.1016/0039-6028(95)00257-X).
155. N. Seifert, Q. Yan, A.V. Barnes, N.H. Tolk, T. Neidhart, P. Varga, W. Husinsky, G. Betz, *Defect mediated sputtering of amorphous LiF induced by low-energy ion bombardment*, Nucl. Instrum. Methods B. 101 (1995) 131–136. doi:[10.1016/0168-583X\(95\)00052-6](https://doi.org/10.1016/0168-583X(95)00052-6).
156. M. Schmid, W. Hofer, P. Varga, P. Stoltze, K.W. Jacobsen, J.K. Nørskov, *Surface stress, surface elasticity, and the size effect in surface segregation*, Phys. Rev. B. 51 (1995) 10937. doi:[10.1103/PhysRevB.51.10937](https://doi.org/10.1103/PhysRevB.51.10937).
157. A. Pantförder, J. Skonieczny, E. Janssen, G. Meister, A. Goldmann, P. Varga, *Surface segregation and chemisorption of CO and oxygen on Pt₂₅Ni₇₅(111) studied by XPS and HREELS*, Surface Science. 331–333 (1995) 824–830. doi:[10.1016/0039-6028\(95\)00385-1](https://doi.org/10.1016/0039-6028(95)00385-1).
158. A. Pantförder, J. Skonieczny, E. Janssen, G. Meister, A. Goldmann, P. Varga, *Surface composition of Pt₂₅Ni₇₅(111) probed by HREELS*, Surf. Sci. 337 (1995) 177–182. doi:[10.1016/0039-6028\(95\)00614-1](https://doi.org/10.1016/0039-6028(95)00614-1).
159. T. Neidhart, M. Sporn, M. Schmid, P. Varga, *Determination of electron-induced total sputter yield of LiF*, Nucl. Instrum. Methods B. 101 (1995) 127–130. doi:[10.1016/0168-583X\(95\)00062-3](https://doi.org/10.1016/0168-583X(95)00062-3).
160. T. Neidhart, F. Pichler, F. Aumayr, H.P. Winter, M. Schmid, P. Varga, *Secondary ion emission from lithium fluoride under impact of slow multicharged ions*, Nucl. Instrum. Methods B. 98 (1995) 465–468. doi:[10.1016/0168-583X\(95\)00169-7](https://doi.org/10.1016/0168-583X(95)00169-7).

161. T. Neidhart, F. Pichler, F. Aumayr, H. Winter, M. Schmid, P. Varga, *Potential Sputtering of Lithium Fluoride by Slow Multicharged Ions*, Phys. Rev. Lett. 74 (1995) 5280. doi:[10.1103/PhysRevLett.74.5280](https://doi.org/10.1103/PhysRevLett.74.5280).
162. C. Nagl, E. Platzgummer, M. Schmid, P. Varga, S. Speller, W. Heiland, *Direct Observation of a New Growth Mode: Subsurface Island Growth of Cu on Pb(111)*, Phys. Rev. Lett. 75 (1995) 2976. doi:[10.1103/PhysRevLett.75.2976](https://doi.org/10.1103/PhysRevLett.75.2976).
163. C. Nagl, E. Platzgummer, O. Haller, M. Schmid, P. Varga, *Surface alloying and superstructures of Pb on Cu(100)*, Surf. Sci. 331–333 (1995) 831–837. doi:[10.1016/0039-6028\(95\)00387-8](https://doi.org/10.1016/0039-6028(95)00387-8).
164. C. Nagl, M. Pinczolit, M. Schmid, P. Varga, I.K. Robinson, *p(n x l) superstructures of Pb on Cu(110)*, Phys. Rev. B. 52 (1995) 16796. doi:[10.1103/PhysRevB.52.16796](https://doi.org/10.1103/PhysRevB.52.16796).
165. A. Biedermann, M. Schmid, P. Varga, *Domain wall structures in an ordered Si/Fe(110) surface alloy*, Surf. Sci. 331–333 (1995) 787–793. doi:[10.1016/0039-6028\(95\)00339-8](https://doi.org/10.1016/0039-6028(95)00339-8).
166. A. Biedermann, M. Schmid, B. Reichl, P. Varga, *Competitive segregation of Si and P on Fe_{96.5}Si_{3.5} (100) and (110)*, Fresenius J. Anal. Chem. 353 (1995) 259–262. doi:[10.1007/s0021653530259](https://doi.org/10.1007/s0021653530259).
167. P. Weigand, B. Jelinek, W. Hofer, P. Varga, *Surface segregation of Pt₁₀Ni₉₀(110): experimental and theoretical results*, Fresenius J. Anal. Chem. 349 (1994) 199–201. doi:[10.1007/BF00323271](https://doi.org/10.1007/BF00323271).
168. P. Weigand, B. Jelinek, W. Hofer, P. Varga, *Surface composition of Pt₁₀Ni₉₀(110)*, Nucl. Instrum. Methods B. 85 (1994) 424–428. doi:[10.1016/0168-583X\(94\)95857-2](https://doi.org/10.1016/0168-583X(94)95857-2).
169. P. Weigand, B. Jelinek, W. Hofer, P. Varga, *Pt₂₅Ni₇₅(100) and (110) single crystals: preferential sputtering and segregation reversal*, Surf. Sci. 307–309 (1994) 416–421. doi:[10.1016/0039-6028\(94\)90429-4](https://doi.org/10.1016/0039-6028(94)90429-4).
170. P. Weigand, B. Jelinek, W. Hofer, P. Varga, *Preferential sputtering and segregation reversal: (100) and (110) surfaces of Pt₂₅Ni₇₅ single crystal alloys*, Surf. Sci. 301 (1994) 306–312. doi:[10.1016/0039-6028\(94\)91310-2](https://doi.org/10.1016/0039-6028(94)91310-2).
171. P. Varga, U. Diebold, *Sputtering of metals and insulators with hyperthermal singly and doubly charged rare gas ions*, in: J.W. Rabalais (Ed.), Low Energy Ion-Surface Interactions, Wiley, Chichester, 1994: pp. 355–386.
172. M. Schmid, A. Biedermann, S.D. Böhmig, P. Weigand, P. Varga, *The shifted-row reconstruction of Pt_xNi_{1-x}(100)*, Surf. Sci. 318 (1994) 289–298. doi:[10.1016/0039-6028\(94\)90103-1](https://doi.org/10.1016/0039-6028(94)90103-1).

173. T. Neidhart, Z. Toth, M. Hochhold, M. Schmid, P. Varga, *Total sputter yield of LiF induced by hyperthermal ions measured by a quartz microbalance*, Nucl. Instrum. Methods B. 90 (1994) 496–500. doi:[10.1016/0168-583X\(94\)95601-4](https://doi.org/10.1016/0168-583X(94)95601-4).
174. C. Nagl, O. Haller, E. Platzgummer, M. Schmid, P. Varga, *Submonolayer growth of Pb on Cu(111): surface alloying and de-alloying*, Surf. Sci. 321 (1994) 237–248. doi:[10.1016/0039-6028\(94\)90189-9](https://doi.org/10.1016/0039-6028(94)90189-9).
175. A. Biedermann, M. Schmid, P. Varga, *Segregated Si on Fe_{96.5}Si_{3.5}(110): Domain-wall structures in a two-dimensional alloy*, Phys. Rev. B. 50 (1994) 17518. doi:[10.1103/PhysRevB.50.17518](https://doi.org/10.1103/PhysRevB.50.17518).
176. A. Biedermann, M. Schmid, P. Varga, *Chemical analysis of Pt_xNi_{1-x} alloy single crystal surfaces by scanning tunnelling microscopy*, Fresenius J. Anal. Chem. 349 (1994) 201–203. doi:[10.1007/BF00323272](https://doi.org/10.1007/BF00323272).
177. P. Weigand, C. Nagl, M. Schmid, P. Varga, *Surface composition of Pt₂₅Ni₇₅(111) investigated by ISS and STM*, Fresenius J. Anal. Chem. 346 (1993) 281–283. doi:[10.1007/BF00321431](https://doi.org/10.1007/BF00321431).
178. P. Weigand, W. Hofer, P. Varga, *Investigation of Pt₂₅Ni₇₅(111): preferential sputtering and surface segregation*, Surf. Sci. 287–288 (1993) 350–354. doi:[10.1016/0039-6028\(93\)90801-P](https://doi.org/10.1016/0039-6028(93)90801-P).
179. H. Stadler, W. Hofer, M. Schmid, P. Varga, *Surface effects on Pt-Ni single crystals calculated with the embedded-atom method*, Phys. Rev. B. 48 (1993) 11352. doi:[10.1103/PhysRevB.48.11352](https://doi.org/10.1103/PhysRevB.48.11352).
180. H. Stadler, W. Hofer, M. Schmid, P. Varga, *Embedded-atom method calculations applied to surface segregation of Pt-Ni single crystals*, Surf. Sci. 287–288 (1993) 366–370. doi:[10.1016/0039-6028\(93\)90804-S](https://doi.org/10.1016/0039-6028(93)90804-S).
181. M. Schmid, H. Stadler, P. Varga, *Direct observation of surface chemical order by scanning tunneling microscopy*, Phys. Rev. Lett. 70 (1993) 1441. doi:[10.1103/PhysRevLett.70.1441](https://doi.org/10.1103/PhysRevLett.70.1441).
182. M. Schmid, A. Biedermann, P. Varga, *Segregated carbon on Pt₁₀Ni₉₀(100) studied by scanning tunneling microscopy*, Surf. Sci. 294 (1993) L952–L958. doi:[10.1016/0039-6028\(93\)90103-Q](https://doi.org/10.1016/0039-6028(93)90103-Q).
183. M. Schmid, A. Biedermann, C. Slama, H. Stadler, P. Weigand, P. Varga, *Preferential sputtering of Pt-Ni alloy single crystals studied by scanning tunneling microscopy*, Nucl. Instrum. Methods B. 82 (1993) 259–268. doi:[10.1016/0168-583X\(93\)96028-B](https://doi.org/10.1016/0168-583X(93)96028-B).
184. T. Neidhart, M. Schmid, P. Varga, *Ionization of LiF by hyperthermal multiply charged ions*, in: R.A. Baragiola (Ed.), *Ionization of Solids by Heavy Particles*, 1st ed., Plenum, New York, 1993: pp. 447–453.

185. T. Neidhart, M. Schmid, P. Varga, *Desorption from LiF(100) by singly- and doubly-charged hyperthermal He ions*, in: A.R. Burns, E.B. Stechel, D.R. Jennison (Eds.), *Desorption Induced by Electronic Transitions DIET V*, Springer, Berlin, 1993: pp. 129–132.
186. D. Wutte, U. Diebold, M. Schmid, P. Varga, *Sputtering of LiF(100) with low energetic Ne⁺ and Ne²⁺ ions*, *Nucl. Instrum. Methods B.* 65 (1992) 167–172. doi:[10.1016/0168-583X\(92\)95029-Q](https://doi.org/10.1016/0168-583X(92)95029-Q).
187. P. Weigand, P. Novacek, G. van Husen, T. Neidhart, L.Z. Mezey, W. Hofer, P. Varga, *Surface composition of Pt_xNi_{1-x} single crystal alloys*, *Nucl. Instrum. Methods B.* 64 (1992) 93–97. doi:[10.1016/0168-583X\(92\)95444-V](https://doi.org/10.1016/0168-583X(92)95444-V).
188. P. Weigand, P. Novacek, G. van Husen, T. Neidhart, P. Varga, *Surface analysis of Pt_xNi_{1-x} single crystals*, *Surf. Sci.* 269–270 (1992) 1129–1134. doi:[10.1016/0039-6028\(92\)91404-Y](https://doi.org/10.1016/0039-6028(92)91404-Y).
189. P. Varga, H. Winter, *Slow particle-induced electron emission from solid surfaces*, in: D. Hasselkamp, H. Rothard, K.-O. Groeneveld, J. Kemmler, P. Varga, H. Winter (Eds.), *Particle Induced Electron Emission II*, Springer Berlin Heidelberg, Berlin, Heidelberg, 1992: pp. 149–214. doi:[10.1007/BFb0038300](https://doi.org/10.1007/BFb0038300).
190. M. Schmid, P. Varga, *Analysis of vibration-isolating systems for scanning tunneling microscopes*, *Ultramicroscopy.* 42–44 (1992) 1610–1615. doi:[10.1016/0304-3991\(92\)90493-4](https://doi.org/10.1016/0304-3991(92)90493-4).
191. M. Schmid, A. Biedermann, H. Stadler, C. Slama, P. Varga, *Mismatch dislocations caused by preferential sputtering of a platinum-nickel alloy surface*, *Appl. Phys. A.* 55 (1992) 468–475. doi:[10.1007/BF00348334](https://doi.org/10.1007/BF00348334).
192. M. Schmid, A. Biedermann, H. Stadler, P. Varga, *Lattice mismatch dislocations in a preferentially sputtered alloy studied by scanning tunneling microscopy*, *Phys. Rev. Lett.* 69 (1992) 925. doi:[10.1103/PhysRevLett.69.925](https://doi.org/10.1103/PhysRevLett.69.925).
193. P. Varga, U. Diebold, D. Wutte, *Electronic effects in low-energy ion sputtering of LiF*, *Nucl. Instrum. Methods B.* 58 (1991) 417–421. doi:[10.1016/0168-583X\(91\)95879-I](https://doi.org/10.1016/0168-583X(91)95879-I).
194. P. Novacek, P. Varga, *Analyses of the adsorption of oxygen and hydrogen on Pt_xNi_{1-x} alloys using ion scattering spectroscopy*, *Surf. Sci.* 248 (1991) 183–192. doi:[10.1016/0039-6028\(91\)90071-Y](https://doi.org/10.1016/0039-6028(91)90071-Y).
195. P. Novacek, E. Taglauer, P. Varga, *Analysis of the surface of Pt_xNi_{1-x} alloys*, *Fresenius J. Anal. Chem.* 341 (1991) 136–139. doi:[10.1007/BF00322124](https://doi.org/10.1007/BF00322124).
196. L.Z. Mezey, W. Hofer, P. Varga, J. Giber, *The surface composition of binary substitutional alloys and its change caused by environmental oxygen*, *Surf. Sci.* 251–252 (1991) 819–824. doi:[10.1016/0039-6028\(91\)91105-7](https://doi.org/10.1016/0039-6028(91)91105-7).

197. L.Z. Mezey, W. Hofer, P. Novacek, P. Varga, J. Giber, *The influence of environmental oxygen on the surface composition of binary substitutional alloys*, *Fresenius J. Anal. Chem.* 341 (1991) 383–386. doi:[10.1007/BF00321941](https://doi.org/10.1007/BF00321941).
198. H. Ebel, M.F. Ebel, R. Svagera, E. Winklmayr, P. Varga, *A comparison of two XPS methods for quantification of concentration profiles*, *J. Electron Spectrosc. Relat. Phenom.* 57 (1991) 15–32. doi:[10.1016/0368-2048\(91\)85011-H](https://doi.org/10.1016/0368-2048(91)85011-H).
199. U. Diebold, P. Varga, *Influence of the primary ion charge state on secondary ion production: bombardment of CO/Ni(111) with Ne⁺, Ne²⁺, Kr⁺ and Kr²⁺ at low impact energies*, *Surf. Sci.* 241 (1991) L6–L10. doi:[10.1016/0167-2584\(91\)91044-W](https://doi.org/10.1016/0167-2584(91)91044-W).
200. U. Diebold, W. Möller, P. Varga, *Low-energy ion impact desorption cross sections of carbon monoxide from Ni(111)*, *Surf. Sci.* 248 (1991) 147–157. doi:[10.1016/0039-6028\(91\)90068-4](https://doi.org/10.1016/0039-6028(91)90068-4).
201. U. Diebold, P. Varga, *Desorption and secondary ion production during bombardment of CO/Ni(111) with Ne⁺ and Ne⁺⁺ ions at very low impact energies*, in: G. Betz, P. Varga (Eds.), *Desorption Induced by Electronic Transitions Diet IV*, Springer-Verlag, Berlin, 1991: pp. 193–203.
202. G. Betz, P. Varga, *Eighth International Workshop on Inelastic Ion-Surface Collisions - Preface*, *Nucl. Instrum. Methods B.* 58 (1991) iii. doi:[10.1016/0168-583X\(91\)95856-9](https://doi.org/10.1016/0168-583X(91)95856-9).
203. P. Novacek, A. Liegl, M. Borrell, W. Hofer, P. Varga, *Surface composition of Cu-Pd binary alloy systems measured by low energy ion surface scattering*, *Vacuum.* 40 (1990) 113–114. doi:[10.1016/0042-207X\(90\)90133-J](https://doi.org/10.1016/0042-207X(90)90133-J).
204. L.Z. Mezey, J. Giber, W. Hofer, P. Varga, *A new approach to interface segregation: Surface dangling and interatomic bond effects in binary alloys*, *Surf. Sci.* 234 (1990) 197–209. doi:[10.1016/0039-6028\(90\)90677-Z](https://doi.org/10.1016/0039-6028(90)90677-Z).
205. L.Z. Mezey, W. Hofer, P. Varga, J. Giber, *The drastic effect of oxygen on surface segregation*, *Surf. Interface Anal.* 16 (1990) 520–525. doi:[10.1002/sia.7401601108](https://doi.org/10.1002/sia.7401601108).
206. L.Z. Mezey, J. Giber, W. Hofer, P. Novacek, P. Varga, *The influence of environmental parameters on solid surface composition*, *Vacuum.* 41 (1990) 453–456. doi:[10.1016/S0042-207X\(90\)80149-6](https://doi.org/10.1016/S0042-207X(90)80149-6).
207. U. Diebold, P. Varga, *Determination of cross-sections for CO desorption from Ni(111) induced by Ar-ions of very low impact energy*, *Vacuum.* 41 (1990) 210–212. doi:[10.1016/0042-207X\(90\)90312-M](https://doi.org/10.1016/0042-207X(90)90312-M).
208. P. Novacek, A. Liegl, M. Vonbank, M. Borrell, W. Hofer, P. Varga, *Determination of the surface segregation of alloys*, *Fresenius Z. Anal. Chem.* 333 (1989) 453–455. doi:[10.1007/BF00572351](https://doi.org/10.1007/BF00572351).

209. M. Vonbank, P. Varga, *Surface segregation in Al_xLi_{1-x} alloys*, *Vakuum-Technik*. 37 (1988) 220–225.
210. U. Diebold, A. Preisinger, P. Schattschneider, P. Varga, *Angle resolved electron energy loss spectroscopy on graphite*, *Surf. Sci.* 197 (1988) 430–443. doi:[10.1016/0039-6028\(88\)90638-3](https://doi.org/10.1016/0039-6028(88)90638-3).
211. P. Varga, *Neutralization of multiply charged ions at a surface*, *Appl. Phys. A*. 44 (1987) 31–41. doi:[10.1007/BF00617889](https://doi.org/10.1007/BF00617889).
212. J. Neumann, S. Schubert, U. Imke, P. Varga, W. Heiland, *Surface depression of series limits in one-electron spectra*, *Europhys. Lett.* 3 (1987) 859. doi:[10.1209/0295-5075/3/7/014](https://doi.org/10.1209/0295-5075/3/7/014).
213. G. Hetzendorf, P. Varga, *Preferential sputtering and surface segregation in Au-Pd alloys*, *Nucl. Instrum. Methods B*. 18 (1987) 501–503. doi:[10.1016/S0168-583X\(86\)80076-3](https://doi.org/10.1016/S0168-583X(86)80076-3).
214. G. Hetzendorf, P. Varga, *Oberflächensegregation an Au-Pd-Legierungen (Surface segregation on Au-Pd alloys)*, *Fresenius Z. Anal. Chem.* 329 (1987) 332–334. doi:[10.1007/BF00469166](https://doi.org/10.1007/BF00469166).
215. M. Delaunay, M. Fehring, R. Geller, P. Varga, H. Winter, *Auger electron emission from slow multicharged ions near a metal surface*, *EPL*. 4 (1987) 377. doi:[10.1209/0295-5075/4/3/021](https://doi.org/10.1209/0295-5075/4/3/021).
216. M. Fehring, M. Delaunay, R. Geller, P. Varga, H. Winter, *Potential emission for multicharged ion impact on clean tungsten above the kinetic emission threshold*, *Nucl. Instrum. Methods B*. 23 (1987) 245–247. doi:[10.1016/0168-583X\(87\)90455-1](https://doi.org/10.1016/0168-583X(87)90455-1).
217. M. Delaunay, M. Fehring, R. Geller, D. Hitz, P. Varga, H. Winter, *Electron emission from a metal surface bombarded by slow highly charged ions*, *Phys. Rev. B*. 35 (1987) 4232–4235. doi:[10.1103/PhysRevB.35.4232](https://doi.org/10.1103/PhysRevB.35.4232).
218. S. Schubert, J. Neumann, U. Imke, K.J. Snowdon, P. Varga, W. Heiland, *Neutralization and dissociative attachment in molecular ion-surface interaction: Scattering of N_2^+ and O_2^+ from Ni(111)*, *Surf. Sci.* 171 (1986) L375–L378. doi:[10.1016/0039-6028\(86\)90547-9](https://doi.org/10.1016/0039-6028(86)90547-9).
219. E. Taglauer, P. Varga, K. Ertl, *Analysis of TiC and TiN coatings exposed to fusion plasmas*, *Vacuum*. 36 (1986) 23–25. doi:[10.1016/0042-207X\(86\)90263-0](https://doi.org/10.1016/0042-207X(86)90263-0).
220. P. Varga, G. Hetzendorf, *Studies on Au-Pd alloys: Determination of the surface composition by ISS and XPS*, *Surf. Sci.* 162 (1985) 544–549. doi:[10.1016/0039-6028\(85\)90946-X](https://doi.org/10.1016/0039-6028(85)90946-X).
221. P. Varga, E. Taglauer, *Depth profiling of the altered layer in Ta_2O_5 produced by sputtering with He ions*, *Nucl. Instrum. Methods B*. 2 (1984) 800–803. doi:[10.1016/0168-583X\(84\)90318-5](https://doi.org/10.1016/0168-583X(84)90318-5).
222. W. Hofer, P. Varga, *Adsorbate dependent neutralization of ions near a surface*, *Nucl. Instrum. Methods B*. 2 (1984) 391–395. doi:[10.1016/0168-583X\(84\)90228-3](https://doi.org/10.1016/0168-583X(84)90228-3).

223. W. Hofer, W. Vanek, P. Varga, H. Winter, *Potential emission from tungsten due to impact of slow metastable ions*, Surf. Sci. 126 (1983) 605–609. doi:[10.1016/0039-6028\(83\)90764-1](https://doi.org/10.1016/0039-6028(83)90764-1).
224. W. Hofer, W. Vanek, P. Varga, H. Winter, *Metastable ion beam fractions measured for different ion sources*, Rev. Sci. Instrum. 54 (1983) 150–157. doi:[10.1063/1.1137361](https://doi.org/10.1063/1.1137361).
225. P. Varga, E. Taglauer, *Preferential sputtering of compounds due to light ion bombardment*, J. Nucl. Mater. 111–112 (1982) 726–731. doi:[10.1016/0022-3115\(82\)90296-3](https://doi.org/10.1016/0022-3115(82)90296-3).
226. P. Varga, W. Hofer, H. Winter, *Auger neutralization of multiply charged noble gas ions at a tungsten surface*, Surf. Sci. 117 (1982) 142–153. doi:[10.1016/0039-6028\(82\)90494-0](https://doi.org/10.1016/0039-6028(82)90494-0).
227. E. Taglauer, B.M.U. Scherzer, P. Varga, R. Behrisch, C.K. Chen, Asdex-Team, *Measurements of impurity fluxes in the ASDEX plasma boundary*, J. Nucl. Mater. 111–112 (1982) 142–146. doi:[10.1016/0022-3115\(82\)90197-0](https://doi.org/10.1016/0022-3115(82)90197-0).
228. J. Roth, P. Varga, A.P. Martinelli, B.M.U. Scherzer, C.-K. Chen, W.R. Wampler, E. Taglauer, ASDEX-team, *Time-resolved measurements of hydrogen and deuterium fluxes in the ASDEX plasma boundary*, J. Nucl. Mater. 111–112 (1982) 123–129. doi:[10.1016/0022-3115\(82\)90194-5](https://doi.org/10.1016/0022-3115(82)90194-5).
229. P. Varga, W. Hofer, H. Winter, *Ion neutralization of multiply charged particles near a surface*, in: Scanning Electron Microscopy, Scanning Microscopy Int., Chicago, 1982: pp. 967–971.
230. P. Varga, W. Hofer, H. Winter, *Apparent cross sections for metastable ion production by electron impact*, J. Phys. B: At. Mol. Phys. 14 (1981) 1341. doi:[10.1088/0022-3700/14/8/019](https://doi.org/10.1088/0022-3700/14/8/019).
231. W. Hofer, P. Varga, H. Winter, *Apparent cross sections for electron impact production of metastable noble gas ions*, Acta Physica. 49 (1980) 313–313. doi:[10.1007/BF03158768](https://doi.org/10.1007/BF03158768).
232. P. Varga, H. Winter, *Determination of metastable fractions in noble-gas-ion beams*, Phys. Rev. A. 18 (1978) 2453–2458. doi:[10.1103/PhysRevA.18.2453](https://doi.org/10.1103/PhysRevA.18.2453).
233. P. Varga, M. Bruck, R. Bruckmüller, *Generation of high intensity electron beams from a duoplasmatron discharge*, Vacuum. 25 (1975) 421–424. doi:[10.1016/0042-207X\(75\)90488-1](https://doi.org/10.1016/0042-207X(75)90488-1).