

B1.4 (H. v. Löhneysen / C. Sürgers / R. Hoffmann)

- [B1.4:1] C. Gärtner, R. Hoffmann, F. Pérez-Willard, M. Sauter, C. Sürgers, and H. v. Löhneysen, *Fully ultrahigh-vacuum-compatible fabrication of submicrometer-spaced electrical contacts*, Rev. Sci. Instr. **77**, 026101 (2006); Virtual Journal of Nanoscale Science & Technology **13** (Issue 7) (2006)
- [B1.4:2] M. Schöck, C. Sürgers, and H. v. Löhneysen, *Atomically resolved tunneling spectroscopy on Si(557)-Au*, Europhys. Lett. **74**, 473 (2006)
- [B1.4:3] M. Sauter, R. Hoffmann, C. Sürgers, and H. v. Löhneysen, *Correlations between one-dimensional chain structures at the Si(557)-Au surface*, Phys. Rev. B **75**, 195436 (2007)
- [B1.4:4] J.K. Garleff, M. Wenderoth, R.G. Ulbrich, C. Sürgers, H. v. Löhneysen, and M. Rohlfing, *Identification of P dopants at non-equivalent lattice sites of the Si(111)-2x1 surface*, Phys. Rev. B **76**, 125322 (2007); Virtual Journal of Nanoscale Science & Technology **16** (Issue 15) (2007)
- [B1.4:5] ‡ R. Hoffmann, A. Baratoff, H.J. Hug, H.R. Hidber, H. v. Löhneysen, and H.-J. Güntherodt, *Mechanical manifestations of rare atomic jumps in dynamic force microscopy*, Nanotechnology **18**, 395503 (2007)
- [B1.4:6] * O. Kiowski, S. Lebedkin, F. Hennrich, S. Malik, H. Rösner, K. Arnold, C. Sürgers, and M.M. Kappes, *Photoluminescence microscopy of carbon nanotubes grown by chemical vapor deposition: Influence of external dielectric screening on optical transition energies*, Phys. Rev. B **75**, 075421 (2007)
- [B1.4:7] * R. Hoffmann, D. Weissenberger, J. Hawecker, and D. Stöffler, *Conductance of gold nanojunctions thinned by electromigration*, Appl. Phys. Lett. **93**, 043118 (2008)
- [B1.4:8] K. Ruschmeier, A. Schirmeisen, and R. Hoffmann, *Atomic Scale Force Vector Fields*, Phys. Rev. Lett. **101**, 156102 (2008)
- [B1.4:9] C. Sürgers, N. Joshi, K. Potzger, T. Strache, W. Möller, G. Fischer, and H. v. Löhneysen, *Magnetic order by C-ion implantation into Mn₅Si₃ and Mn₅Ge₃ and its lateral modification*, Appl. Phys. Lett. **93**, 062503 (2008)
- [B1.4:10] B. Gopalakrishnan, C. Sürgers, A. Singh, R. Montbrun, M. Uhlärz, and H. v. Löhneysen, *Electronic transport in magnetically ordered Mn₅Si₃C_x films*, Phys. Rev. B **77**, 104414 (2008)
- [B1.4:11] R. Hoffmann, *Tip-sample interactions as a function of distance on insulating surfaces*, in: S. Morita, F.J. Giessibl, and R. Wiesendanger, (editors), Noncontact Atomic Force Microscopy, Volume 2, Springer, Berlin, Heidelberg, New York (2009); ISBN: 978-3-642-01494-9
- [B1.4:12] ‡ R. Hoffmann, D. Weiner, A. Schirmeisen, and A.S. Foster, *Sublattice identification in noncontact atomic force microscopy of the NaCl(001) surface*, Phys. Rev. B **80**, 115426 (2009)
- [B1.4:13] H. Hölscher, P. Milde, U. Zerweck, L.M. Eng, and R. Hoffmann, *The Effective Quality Factor in Dynamic Force Microscopes with Fabry-Perot-Interferometer Detection*, Appl. Phys. Lett. **94**, 223514 (2009), Virtual Journal of Nanoscale Science and Technology **19** (Issue 25) (2009)
- [B1.4:14] K. Ruschmeier, A. Schirmeisen, and R. Hoffmann, *Site-specific force-vector field studies of KBr(001) by atomic force microscopy*, Nanotechnology **20**, 264013 (2009)
- [B1.4:15] C. Sürgers, K. Potzger, and G. Fischer, *Magnetism of carbon doped Mn₅Si₃ and Mn₅Ge₃ films*, J. Chem. Sci. **121**, 173 (2009)

- [B1.4:16] A.K. Patra, A. von Bieren, S. Krzyk, J. Rhensius, L.J. Heyderman, R. Hoffmann, and M. Kläui, *Magnetoresistance measurement of tailored permalloy nanocontacts*, Phys. Rev. B **82**, 134447 (2010)
- [B1.4:17] * P.R. Ganz, G. Fischer, C. Sürgers, and D.M. Schaad, *Cu-doped nitrides: Promising candidates for a nitride based spinaligner*, J. Cryst. Growth **323**, 355 (2010)
- [B1.4:18] M. Müller, R. Montbrun, M. Marz, V. Fritsch, C. Sürgers, and H. v. Löhneysen, *Switching the Conductance of Dy Nanocontacts by Magnetostriction*, Nano Lett. **11**, 574 (2011)
- [B1.4:19] D. Stöffler, H. v. Löhneysen, R. Hoffmann, *STM-induced surface aggregates on metals and oxidized silicon*, Nanoscale **3**, 3391 (2011)