

List of Publications

MATTHIAS BODE

July 14, 2008

ARTICLES

1. O. M. Artamonov, M. Bode, and J. Kirschner: *The role of elastic electron scattering in coincidence spectroscopy of W(100) in back-reflection geometry*, Surf. Sci. **307–309**, 912 (1994).
2. M. Bode, R. Pascal, and R. Wiesendanger: *STM-study of carbon-induced reconstructions on W(110): strong evidence for a surface lattice deformation*, Surf. Sci. **344**, 185 (1995).
3. M. Bode, R. Pascal, and R. Wiesendanger: *Imaging and tunneling spectroscopy of individual iron adsorbates at room temperature*, Z. Phys. B **99**, 143 (1996).
4. M. Bode, R. Pascal, and R. Wiesendanger: *Distance-dependent STM-study of the W(110)/C-R(15 × 3) surface*, Z. Phys. B. **101**, 103 (1996).
5. M. Bode, R. Pascal, and R. Wiesendanger: *Chemical-specific imaging of multicomponent metal surfaces on the nanometer-scale by scanning tunneling spectroscopy*, Appl. Phys. A **62**, 571 (1996).
6. M. Bode, R. Pascal, M. Dreyer, and R. Wiesendanger: *Nanostructural and local electronic properties of Fe/W(110) correlated by scanning tunneling spectroscopy*, Phys. Rev. B **54**, 8385 (1996).
7. Ch. Witt, M. Bode, and R. Wiesendanger: *Fabrication of atomic wires based on self organization*, Appl. Phys. A **63**, 303 (1996).
8. Ch. Witt, U. Mick, M. Bode, and R. Wiesendanger: *An ultrahigh vacuum scanning tunneling microscope for in situ studies of thin-film growth*, Rev. Sci. Instr. **68**, 1455 (1997).
9. M. Bode, R. Pascal, and R. Wiesendanger: *Scanning tunneling spectroscopy of Fe/W(110) using iron covered probe tips*, J. Vac. Sci. Techn. A **15**, 1285 (1997).
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12. R. Pascal, Chr. Zarnitz, M. Bode, and R. Wiesendanger: *Atomic and local electronic structure of Gd thin films studied by STM and STS*, Phys. Rev. B **56**, 3636 (1997).
13. R. Pascal, Chr. Zarnitz, M. Bode, M. Getzlaff, and R. Wiesendanger: *Surface electronic structure of Gd(0001) films on W(110)*, Appl. Phys. A **65**, 603 (1997).
14. M. Getzlaff, M. Bode, S. Heinze, R. Pascal, and R. Wiesendanger: *Temperature-dependent exchange-splitting of the magnetic Gd(0001) surface state*, J. Magn. Magn. Mat. **184**, 155 (1998).
15. M. Getzlaff, M. Bode, and R. Wiesendanger: *Hydrogen adsorption on Gd(0001)*, Surf. Sci. **410**, 189 (1998).
16. M. Getzlaff, M. Bode, and R. Wiesendanger: *Determination of radial matrix elements and phase shifts in photoemission with a rotatable electric field*, Phys. Rev. B **58**, 9681 (1998).
17. S. Heinze, S. Blügel, R. Pascal, M. Bode, and R. Wiesendanger: *Prediction of bias-voltage-dependent corrugation reversal for STM images of bcc (110) surfaces: W(110), Ta(110), and Fe(110)*, Phys. Rev. B **58**, 16432 (1998).
18. M. Bode, M. Getzlaff, and R. Wiesendanger: *Spin-polarized vacuum tunneling into the exchange-split surface state of Gd(0001)*, Phys. Rev. Lett. **81**, 4256 (1998).
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33. M. Pratzner, H. J. Elmers, M. Bode, O. Pietzsch, A. Kubetzka, and R. Wiesendanger: *Atomic-scale magnetic domain walls in quasi one-dimensional Fe nanostripes*, Phys. Rev. Lett. **87**, 127201 (2001).
34. A. Kubetzka, M. Bode, O. Pietzsch, and R. Wiesendanger: *Spin-polarized scanning tunneling microscopy with antiferromagnetic probe tips*, Phys. Rev. Lett. **88**, 057201 (2002).
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40. R. Ravlić, M. Bode, and R. Wiesendanger: *Correlation of structural and local electronic and magnetic properties of Fe/Cr(001) studied by spin-polarized scanning tunneling microscopy*, Journ. Phys.: Cond. Matter **15**, S2513 (2003).
41. K. von Bergmann, M. Bode, A. Kubetzka, M. Heide, S. Blügel, and R. Wiesendanger: *Spin-polarized electron scattering at single oxygen adsorbates on a magnetic surface*, Phys. Rev. Lett. **92**, 046801 (2004).
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65. S. Krause, L. Berbil-Bautista, G. Herzog, M. Bode, and R. Wiesendanger: *Current-Induced Magnetization Switching with a Spin-Polarized Scanning Tunneling Microscope*, Science **317**, 1537 (2007).
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CONFERENCE PROCEEDINGS

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REVIEW ARTICLES

1. M. Bode, M. Dreyer, M. Getzlaff, M. Kleiber, A. Wadas, and R. Wiesendanger: *Recent progress in high-resolution magnetic imaging using scanning probe techniques*, Journ. Phys.: Cond. Matter **11**, 9387 (1999).
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BOOK CONTRIBUTIONS

1. M. Bode, M. Getzlaff, R. Pascal, S. Heinze, and R. Wiesendanger: *Surface electronic structure of Gd(0001): Studies on the thickness and temperature dependence of the exchange splitting*, in MAGNETISM AND ELECTRONIC CORRELATIONS IN LOCAL-MOMENT SYSTEMS, edited by M. Donath, P.A. Dowben, and W. Nolting, World Scientific, p. 235 (1998).
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POPULAR SCIENCE

1. M. Bode, R. Pascal und R. Wiesendanger: *Tunnelspektroskopie vom Einzelatom zum Festkörper*, Phys. Blätter **52**, 551 (1996).
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