Bibliography

[AC93] O. Allegranza and M.M. Chen, J. Appl. Phys. **73** (1993), 6218.

[BC86] W.D. Brewer and D.H. Chaplin, *Chapter 17*, *in* N.J. Stone and H. Postma (Ed.): *Low Temperature Nuclear Orientation*, North-Holland (1986), 825.

[BK71] O. Bostanjoglo and P. Kreisel, Status Solidi A **7** (1971), 173.

[Bla94] J.A.C. Bland, *in* J.A.C. Bland and B. Heinrich (Ed.): *Ultrathin Magnetic Structures* **I** (1994), 305.

[Bra] C. Braun, The used software Parratt32 was developed by C. Braun for BENSC, HMI.

[Bru95] P. Bruno, Phys. Rev. B **52** (1995), 411.

[BS92] Bergmann-Schaefer, Lehrbuch der Experimentalphysik, Festkörper, Walter de Gruyter Berlin New York (1992), 228ff.

[BSG57] R.J. Blin-Stoyle and M.A. Grace, *in: Handbuch der Physik* **42** (1957), 555.

[CB92] M.J. Carey and A.E. Berkowitz, Appl. Phs. Lett. **60** (1992), 3060.

[CL82] C.Tsang and K. Lee, J. Appl. Phys. **53** (1982), 2605.

[CLD+91] Y.J. Chen, D.K. Lottis, E. Dahlberg, J.N. Kuznia, A.M. Wowchak, and P.I. Cohen, J. Appl. Phys. **69** (1991), 4523.

[CVK+92] W. Clemens, E. Vescovo, T. Kachel, C. Carbone, and W. Eberhardt, Phys. Rev. B **46** (1992), 4198.

[CYC+00] H. D. Chopra, David X. Yang, P. J. Chen, H. J. Brown, L. J. Swartzendruber, and Jr. W. F. Egelhoff, Phys. Rev. B **61** (2000), 15312.

[dG94] H.A.M. de Gronckel, Phys. Rev. B **49** (1994), 11327.

[EEH+86] K.H. Ebeling, R. Eder, E. Hagn, E. Zech, and M. Deicher, Z. Naturforsch. **41a** (1986), 95.

[FHC+87] G.P. Felcher, R.O. Hilleke, R.K. Crawford, J. Haumann, R. Kleb, and G. Ostrowski, Rev. Sci. Instrum. **58** (1987), 609.

[FYL+00] M.R. Fitzsimmons, P. Yashar, C. Leighton, Ivan K. Schuller, J. Nogués, C.F. Majkrzak, and J.A. Dura, Phys. Rev. Lett. **84** (2000), 3986.

[GAC97] N.J. Gökemeijer, T. Ambrose, and C.L. Chien, Phys. Rev. Lett. **79** (1997), 4270.

[Ges00] J. Geshev, Phys. Rev. B **62** (2000), 5627.

[GGR01] M. Gruyters, M. Gierlings, and D. Riegel, Phys. Rev. B **64** (2001), 132401.

[GKT93] M. Le Gros, A. Kotlicki, and B.G. Turrell, Hyp. Int. **77** (1993), 203.

[GR00a] M. Gruyters and D. Riegel, J. App. Phys. **88** (2000), 6610.

[GR00b] ———, Phys. Rev. B **63** (2000), 052401.

[GSP+86] P. Grünberg, R. Schreiber, Y. Pang, M.B. Brodsky, and H. Sowers, Phys. Rev. Lett. **57** (1986), 2442.

[GvdBH+02] T.H. Gerrits, H.A.M. van den Berg, J. Hohlfeld, L. Bär, and Th. Rasing, Nature **418** (2002), 509.

[HCTR90] G.S. Higashi, Y.J. Chabal, G.W. Trucks, and K. Raghavachari, Appl. Phys. Lett. **56** (1990), 656.

[Jac] V. Jaccarino, *Magnetism 2A*, Ed. by G.T. Rado and H. Suhl, (Academic Press, New York).

[JCJ+94] R. Jungblut, R. Coehoorn, M. Johnson, J. aan de Stegge, and A. Reinders, J. Appl. Phys. **75** (1994), 6659.

[JML+99] J.Nogués, T.J. Moran, D. Ledermann, I.K. Schuller, and K.V. Rao, Phys. Rev. B **59** (1999), 6984.

[JS99] J.Nogués and I.K. Schuller, JMMM **192** (1999), 203.

[Kit99] Ch. Kittel, Einführung in die Festkörperphysik, Oldenburg Verlag, München Wien (1999).

[KKH+98] C. A. Kleint, M. K. Krause, R. Höhne, T. Walter, H. C. Semmelhack, M. Lorenz, and P. Esquinazi, J. Appl. Phys. **84** (1998), 5097.

[KL91] K.T.Y. Kung and L.K. Louie, J. Appl. Phys. **69** (1991), 5634.

[KNES94] Y. Kobayashi, S. Nasu, T. Emoto, and T. Shinjo, Hyp. Int. **94** (1994), 2273.

[Koo97] N.C. Koon, Phys. Rev. Lett. **78** (1997), 4865.

[Kor91] J. B. Kortright, J. Appl. Phys. **70** (1991), 3620.

[KPKM95] T. Krist, K. Pappas, T. Keller, and F. Mezei, Physica B **213-214** (1995), 939.

[Kra86] K.S. Krane, *chapter 2*, *in* N.J. Stone and H. Postma (Ed.): *Low Temperature Nuclear Orientation*, North-Holland (1986), 31.

[KUEV98] A. Khapikov, L. Uspenskaya, J. Ebothe, and S. Vilain, Phys. Rev. B **57** (1998), 14990.

[LBWA97] C.H. Lai, W.E. Bailey, R.L. White, and T.C. Anthony, J. Appl. Phys. **81** (1997), 4990.

[LFY+01] C. Leighton, M. R. Fitzsimmons, P. Yashar, A. Hoffmann, J. Nogués, J. Dura, C. F. Majkrzak, and Ivan K. Schuller, Phys. Rev. Lett. **86** (2001), 4394.

[LMW+96] C.H. Lai, H. Matsuyama, R.L. White, T.C. Anthony, and G.G. Bush, J. Appl. Phys. **6389** (1996), 4990.

[LNkS00] C. Leighton, J. Nogués, B.J. Jonsson-Åkerman, and I.K. Schuller, Phys. Rev. Lett. **84** (2000), 3466.

[LtVF+02] W.T. Lee, S.G.E. te Velthuis, G.P. Felcher, F. Klose, T. Gredig, and E.D. Dahlberg, Phys. Rev. B **65** (2002), 224417.

[Maj91] C.F. Majkrzak, Physica B **173** (1991), 75.

[Mal87] A.P. Malozemoff, Phys. Rev. B **35** (1987), 3679.

[Mal88a] ———, Phys. Rev. B **37** (1988), 7673.

[Mal88b] ———, J. Appl. Phys. **63** (1988), 3874.

[MB56] W.H. Meiklejohn and C.B. Bean, Phys. Rev. **105** (1956), 904.

[MB76] S.K. Mendiratta and M. Blume, Phys. Rev. B **14** (1976), 144.

[Mei62] W.H. Meiklejohn, J. Appl. Phys. **33** (1962), 1328.

[Mew00] T. Mewes, J. Appl. Phys. **87** (2000), 5064.

[MGB+99] P. Miltényi, M. Gierlings, M. Bamming, U. May, G. Güntherodt, J. Nogués, M. Gruyters, C. Leighton, and I.K. Schuller, Appl. Phys. Lett. **75** (1999), 2304.

[MGG+99] P. Miltényi, M. Gruyters, G. Güntherodt, J. Nogués, and I.K. Schuller, Phys. Rev. B **59** (1999), 3333.

[MGK+00] P. Miltényi, M. Gierlings, J. Keller, B. Beschoten, G. Güntherodt, U. Novak, and K.D. Usadel, Phys. Rev. Lett. **84** (2000), 4224.

[MGKT95] F. Mezei, R. Golub, F. Klose, and H. Toews, Physica B **213-214** (1995), 898.

[MI81] T. Matsuyama and A. Ignatiev, Surf. Sci. **102** (1981), 18.

[MKSH87] D. Mauri, E. Kay, D. Scholl, and J.K. Howard, J. Appl. Phys. **62** (1987), 2929.

[MMT61] S. Methfessel, S. Middlehoek, and H. Thomas, J. Appl. Phys. **32** (1961), 1959.

[Mot60] K. Motizuki, J. Phys. Soc. Jap. **15** (1960), 888.

[MSBK87] D. Mauri, H.C. Siegmann, P.S. Bagus, and E. Kay, J Appl. Phys. **62** (1987), 3047.

[MvH79] S.Y. Tong: M.A. van Hove, Sufrace Crystallography by LEED, Springer Series in Chemical Physics, Springer-Verlag Berlin Heidelberg New York (1979).

[Nai93] R. Naik, Phys. Rev. B **48** (1993), 1008.

[Nik98] V.I. Nikitenko, Phys. Rev. B **57** (1998), R8111.

[Nik00] ———, Phys. Rev. Lett. **84** (2000), 765.

[NKS+00] M. Nývlt, T. Katayama, Y. Suzuki, S. Yuasa, J. Franta, and Š. Višňovský, 16th ICMFS 2000 (Natal-Brazil), 2000, p. 216.

[NLSR96] J. Nogués, D. Ledermann, I. K. Schuller, and K. V. Rao, Appl. Phys. Lett. **68** (1996), 3186.

[NS97] J. Nogués and I.K. Schuller, unpublished (1997).

[OY77] K. Okada and H. Yasuoka, J. Phys. Soc. Jap. **43** (1977), 34.

[Par54] L.G. Parratt, Phys. Rev. **95** (1954), 359.

[Pha02] Titia Phalet, Ph.D. thesis, KU Leuven, 2002.

[PLH+97] C.M. Park, K.A. Lee, D.G. Hwang, S.S. Lee, and M.Y. Kim, J. Korean Phys. Soc. **31** (1997), 508.

[PMR90] S.S.P. Parkin, N. More, and K.P. Roche, Phys. Rev. Lett. **64** (1990), 2304.

[Pob96] F. Pobell, *Matter and Methods at Low Temperatures*, Springer-Verlag (1996).

[Pol96] Christoph Polaczyk, Ph.D. thesis, FU Berlin, 1996.

[Pow74] C.J. Powell, Surf. Sci. **44** (1974), 29.

[PPB+01] T. Phalet, M.J. Prandolini, W. D. Brewer, P. De Moorand P. Schuurmans, N. Severijns, B. G. Turrell, A. Van Geert, B. Vereecke, and S. Versyck, Phys. Rev.Lett **86** (2001), 902.

[PPLdM+00] X. Portier, A.K. Petford-Long, A. de Morais, N.W. Owen, H. Laidler, and K. O´Grady, J. Appl. Phys. **87** (2000), 6412.

[Pra02] M.J. Prandolini, Private Communications (2002).

[RBMJ59] M. Rotenberg, R. Bivins, N. Metropolis, and J.K. Wooten *Jr*, *the* $3-j$ *and* $6-j$ *symbols*, MIT Press, Cambridge, MA (1959).

[RDF+97] B.U. Runge, M. Dippel, F. Filleböck, K.Jacobs, U. Kohl, and G. Schatz, Phys. Rev. Lett. **79** (1997), 3054.

[RES+02] F. Radu, M. Etzkorn, R. Siebrecht, T. Schmitte, K. Westerholt, and H. Zabel, to be published (2002).

[RGPyB+02] C.O. Rodriguez, M.V. Ganduglia-Pirovano, Eitel L. Peltzer y Blancá, M. Petersen, and P. Novák.

[SB98] T.C. Schulthess and W.H. Butler, Phys. Rev. Lett. **81** (1998), 4516.

[SD79] M.P. Seah and W.A. Dench, Surf. Interface Anal. **1** (1979), 2.

[Sea72] M.P. Seah, Surf. Sci. **32** (1972), 703.

[SJRD97] V. Ström, B.J. Jönsson, K.V. Rao, and D. Dahlberg, J. Appl. Phys. **81** (1997), 5003.

[SM99a] M.D. Stiles and R.D. McMichael, Phys. Rev. B **60** (1999), 12950.

[SM99b] ———, Phys. Rev. B **59** (1999), 3722.

[SM01] ———, Phys. Rev. B **63** (2001), 064405.

[SP86] N.J. Stone and H. Postma, *Introduction*, *in* N.J. Stone and H. Postma (Ed.): *Low Temperature Nuclear Orientation*, North-Holland (1986), 1.

[SPS88] W. Stoecklein, S.S.P. Parkin, and J.C. Scott, Phys. Rev. B **38** (1988), 6847.

[Sto86] N.J. Stone, *chapter 8*, *in* N.J. Stone and H. Postma (Ed.): *Low Temperature Nuclear Orientation*, North-Holland (1986), 351.

[SW92] G. Schatz and A. Weidinger, *Nukleare Festkörperphysik*, Teubner, Stuttgart (1992).

[TBF01] K. Temst, M.J. Van Bael, and H. Fritzsche, Appl. Phys. Lett. **79** (2001), 991.

[THL81] C. Tsang, N. Heimann, and K. Lee., J. Appl. Phys. **52** (1981), 2471.

[TKB+97] K. Takano, R.H. Kodama, A.E. Berkowitz, W. Cao, and G. Thomas, Phys. Rev. Lett. **79** (1997), 1130.

[TKP00] L. Thomas, A.J. Kellock, and S.S.P. Parkin, J. Appl. Phys. **87** (2000), 5061.

[tVBF+00] S.G.E. te Velthuis, A. Berger, G. P. Felcher, B. K. Hill, and E. Dan Dahlberg, J. Appl. Phys. **87** (2000), 5046.

[TYTS80] M. Takahashi, A. Yanai, S. Taguchi, and T. Suzuki, Jpn. J. Appl. Phys. **19** (1980), 1093.

[VBGdB99] S. Valeri, A. Borghi, G.C. Gazzadi, and A. di Bona, Surf. Sci **423** (1999), 346.

[vdZBF+96] P.J. van der Zaag, A.R. Ball, L.F. Feiner, R.M. Wolf, and P.A.A. van der Heijden, J. Appl. Phys. **79** (1996), 5103.

[XW00] H. Xi and R.M. White, J. Appl. Phys. **87** (2000), 410.

[Yon63] Y. Yoneda, Phys. Rev. **131** (1963), 2010.

[Zab94a] H. Zabel, Physica B **198** (1994), 156.

[Zab94b] ———, Applied Physics A **58** (1994), 159.

[ZHEE78] E. Zech, E. Hagn, H. Ernst, and G. Eska, Hyp. Int. **4** (1978), 342.