

Wechsel zu Intranet



▼ Nutzer

- Experimentierstationen
- Strahlrohre
- Insertion Devices
- Support & Infrastructure
- Nutzerformulare

▼ Nutzer Veröffentlichungen

Year 2006

Year 2005

Year 2004

Year 2003

Year 2002

Year 2001



Suche

Comments

Impressum

Datenschutzerklärung

Gute wiss. Praxis

Publikationen von BESSY Nutzern 2006

Abad, L., V. Laukhin, S. Valencia, M. Varela, L. Balcells and B. Martínez (2006). "Structural and magnetotransport properties of coherently La₂/3Ca₁/3MnO₃ epitaxial thin films." *Advance in science and technology* 52.

Abad, L., B. Martínez, S. Valencia, A. Gaupp, W. Gudat and L. Balcells (2006). "Surface resistance of La₂/3Ca₁/3MnO₃ epitaxial thin films grown on top of LaAlO₃." *Advance in science and technology* 52.

Abrahamyan, K., J. Bahr, J. P. Carneiro, K. Flottmann, J. H. Han, M. van Hartrott, M. Krasilnikov, D. Lipka, V. Miltchev, A. Oppelt, B. Petrossyan, D. Pose, D. Richter, S. Schreiber, L. Staykov and F. Stephan (2006). "Experimental characterization and numerical simulations of the electron source at PITZ." *Nuclear Instruments & Methods in Physics Research Section a-Accelerators Spectrometers Detectors and Associated Equipment* 558(1): 249-252.

Adamchuk, V. K., A. S. Vinogradov, G. G. Vladimirov, S. L. Molodtsov, G. V. Prudnikova, S. I. Fedoseenko and A. M. Shikin (2006). "Study of nanostructured materials by optical and photoelectron spectroscopy." *Crystallography Reports* 51(5): 870-880.

Allegretti, F., S. O'Brien, M. Polcik, D. I. Sayago and D. P. Woodruff (2006). "Quantitative determination of the local structure of H₂O on TiO₂(110) using scanned-energy mode photoelectron diffraction." *Surface Science* 600(7): 1487-1496.

Andriyevsky, B., N. Esser, A. Patryn, C. Cobet, W. Ciepluch-Trojanek and M. Romanyuk (2006). "Band structure and UV optical spectra of TGS crystals in the range of 4-10 eV." *Physica B: Physics of Condensed Matter* 373(2): 328333.

Antoniak, C., J. Lindner, M. Spasova, D. Sudfeld, M. Acet, M. Farle, K. Fauth, U. Wiedwald, H. G. Boyen, P. Ziemann, F. Wilhelm, A. Rogalev and S. H. Sun (2006). "Enhanced orbital magnetism in Fe₅₀Pt₅₀ nanoparticles." *Physical Review Letters* 97(11).

Aristov, V. Y., O. V. Molodtsova, V. M. Zhilin, D. V. Vyalikh and M. Knupfer (2006). "Characterisation of metal-organic semiconductor interfaces: In and Sn on CuPc." *Journal De Physique Iv* 132: 101-104.

Aziz, E. F., J. E. Bugaj, G. Caglar, L. M. Dinkelborg and R. Lawaczeck (2006). "Novel approach in radionuclide tumor therapy: Dose enhancement by high Z-element contrast agents." *Cancer Biotherapy and Radiopharmaceuticals* 21(3): 181-193.

Aziz, E. F., M. Freiwald, S. Eisebitt and W. Eberhardt (2006). "Steric hindrance of ion-ion interaction in electrolytes." *Physical Review B* 73(7).

Aziz, E. F., A. Zimina, M. Freiwald, S. Eisebitt and W. Eberhardt (2006). "Molecular and electronic structure in NaCl electrolytes of varying concentration: Identification of spectral fingerprints." *Journal of Chemical Physics* 124(11).

Bagus, P. S., C. Woll and E. S. Ilton (2006). "A definitive analysis of the Rydberg and valence anti-bonding character of states in the OK-edge of H₂O." *Chemical Physics Letters* 428(1-3): 207-212.

Bansmann, J., M. Getzlaff, A. Kleibert, F. Bulut, R. K. Gebhardt and K. H. Meiwes-Broer (2006). "Mass-filtered cobalt clusters in contact with epitaxially ordered metal surfaces." *Applied Physics a-Materials Science & Processing* 82(1): 73-79.

Bär, M., A. Ennaoui, J. Klaer, T. Kropp, R. Sáez-Araoz, S. Lehmann, A. Grimm, I. Laueremann, C. Loreck, S. Sokoll, H.-W. Schock, C.-H. Fischer, M. C. Lux-Steiner and C. Jung (2006). "Intermixing at the heterointerface between ZnS/Zn(S,O) bilayer buffer and CuInS₂ thin film solar cell absorber." *Journal of Applied Physics* 100(6).

Bar, M., J. Reichardt, I. Sieber, A. Grimm, I. Kotschau, I. Laueremann, S. Sokoll, M. C. Lux-Steiner, C. H. Fischer and T. P. Niesen (2006). "ZnO layers deposited by the ion layer gas reaction on Cu(In,Ga)(S,Se)(₂) thin film solar cell absorbers: Morphology, growth mechanism, and composition." *Journal of Applied Physics* 100(2).

Barra, M., M. Haumann, P. Loja, R. Krivanek, A. Grundmeier and H. Dau (2006). "Intermediates in assembly by photoactivation after thermally accelerated disassembly of the manganese complex of photosynthetic water oxidation." *Biochemistry* 45(48): 14523-14532.

Barth, S., S. Marburger, S. Joshi, V. Ulrich, O. Kugeler and U. Hergenhahn (2006). "Interface identification by non-local autoionization transitions." *Physical Chemistry Chemical Physics* 8(27): 3218-3222.

Barth, S., S. Marburger, O. Kugeler, V. Ulrich, S. Joshi, A. M. Bradshaw and U. Hergenhahn (2006). "The efficiency of Interatomic Coulombic Decay in Ne clusters." *Chemical Physics* 329(1-3): 246-250.

BenMoussa, A., J. F. Hochedez, U. Schuehle, W. Schmutz, K. Haenen, Y. Stockman,

A. Soltani, F. Scholze, U. Kroth, V. Mortet, A. Theissen, C. Laubis, M. Richter,

S. Koller, J. M. Defise and S. Koizumi (2006). "Diamond detectors for LYRA, the solar VUV radiometer on board PROBA2." *Diamond and Related Materials* 15(4-8): 802-806.

BenMoussa, A., U. Schuehle, F. Scholze, U. Kroth, K. Haenen, T. Saito, J. Campos,

S. Koizumi, C. Laubis, M. Richter, V. Mortet, A. Theissen and J. F. Hochedez (2006). "Radiometric characteristics of new diamond PIN photodiodes." *Measurement Science & Technology* 17(4): 913-917.

- BenMoussa, A., A. Theissen, F. Scholze, J. F. Hochedez, U. Schule, W. Schmutz, K. Hawnen, Y. Stockman, A. Soltani, D. McMullin, R. E. Vest, U. Kroth, C. Laubis, M. Richter, V. Mortet, S. Gissot, V. Delouille, M. Dominique, S. Koller, J. P. Halain, Z. Remes, R. Petersen, M. D'Olieslaeger and J. M. Defise (2006). "Performance of diamond detectors for VUV applications." *Nuclear Instruments & Methods in Physics Research Section a-Accelerators Spectrometers Detectors and Associated Equipment* 568(1): 398-405.
- Berkebile, S., G. Koller, G. Hlawacek, C. Teichert, F. P. Netzer and M. G. Ramsey (2006). "Diffusion versus sticking anisotropy: Anisotropic growth of organic molecular films." *Surface Science* 600(24): L313-L317.
- Bernhardt, R. (2006). Dreidimensionale Charakterisierung der Osseointegration von Titanimplantaten mittels Mikrocomputertomographie, TU Dresden.
- Bernhardt, R., D. Scharnweber, B. Müller, F. Beckmann, J. Goebels, J. Jansen, H. Schliephake and H. Worch (2006). 3D analysis of bone formation around titanium implants using micro computed tomography (?CT). Progress in Biomedical Optics and Imaging - Proceedings of SPIE.
- Biswas, I., H. Peisert, L. Zhang, T. Chasse, M. Knupfer, M. Hanack, D. Dini, T. Schmidt and D. Batchelor (2006). "Orientation of differently substituted phthalocyanines: First layers and thin films." *Molecular Crystals and Liquid Crystals* 455: 241-249.
- Blume, R., M. Havecker, S. Zafeiratos, D. Teschner, E. Kleimenov, A. Knop-Gericke, R. Schlogl, A. Barinov, P. Dudin and M. Kiskinova (2006). "Catalytically active states of Ru(0001) catalyst in CO oxidation reaction." *Journal of Catalysis* 239(2): 354-361.
- Bodenthin, Y. (2006). Molekularer Magnetismus in Metallo-supramolekularen Funktionseinheiten, Universität Siegen.
- Borisenko, S. V., A. A. Kordyuk, A. Koitzsch, J. Fink, J. Geck, V. Zabolotnyy, M. Knupfer, B. Buchner, H. Berger, M. Falub, M. Shi, J. Krempasky and L. Patthey (2006). "Parity of the pairing bosons in a high-temperature PbBi₂Sr₂CaCu₂O₈ bilayer superconductor by angle-resolved photoemission spectroscopy." *Physical Review Letters* 96(6).
- Borisenko, S. V., A. A. Kordyuk, V. Zabolotnyy, J. Geck, D. Inosov, A. Koitzsch, J. Fink, M. Knupfer, B. Buchner, V. Hinkov, C. T. Lin, B. Keimer, T. Wolf, S. G. Chiuzaian, L. Patthey and R. Follath (2006). "Kinks, nodal bilayer splitting, and interband scattering in YBa₂Cu₃O_{6+x}." *Physical Review Letters* 96(11).
- Bovet, N., D. I. Sayago, F. Allegretti, E. A. Kroger, M. J. Knight, J. Barrett, D. P. Woodruff and R. G. Jones (2006). "The adsorption of CCl₄ on Ag(111): Carbene and C=C bond formation." *Surface Science* 600(2): 241-248.
- Bradeanu, I. L., R. Flesch, N. Kosugi, A. A. Pavlychev and E. Ruhl (2006). "C 1s → pi* excitation in variable size benzene clusters." *Physical Chemistry Chemical Physics* 8(16): 1906-1913.
- Braun, W., G. Gavrilu, M. Gorgoi and D. R. T. Zahn (2006). "Influence of the molecular structure on the interface formation between magnesium and organic semiconductors." *Radiation Physics and Chemistry* 75(11): 1869-1871.
- Buermann, L., B. Grosswendt, H. M. Kramer, H. J. Selbach, M. Gerlach, M. Hoffmann and M. Krumrey (2006). "Measurement of the x-ray mass energy-absorption coefficient of air using 3 keV to 10 keV synchrotron radiation." *Physics in Medicine and Biology* 51(20): 5125-5150.
- Bukhtiyarov, V. I., A. I. Nizovskii, H. Bluhm, M. Havecker, E. Kleimenov, A. Knop-Gericke and R. Schlogl (2006). "Combined in situ XPS and PTRMS study of ethylene epoxidation over silver." *Journal of Catalysis* 238(2): 260-269.
- Busch, I., J. Stumpel and M. Krumrey (2006). "Influence of growth interruption on the formation of solid-state interfaces." *Powder Diffraction* 21(2): 122-124.
- Calvani, P., M. Ortolani, S. Lupi, U. Schade, A. Perla, M. Fujita and K. Yamada (2006). "Use of coherent synchrotron radiation in a study on cuprates exhibiting superconductivity and charge order." *Infrared Physics & Technology* 49(1-2): 7-12.
- Camero, M. (2006). Nanostructured carbon and carbon nitride films. A study of the synthesis processes assisted by plasma (Capas de carbono y nitruro de carbono nanoestructuradas. Estudio de los procesos de sintesis asistidos por plasma), Universidad Autonoma de Madrid.
- Canas-Ventura, M. E., F. Klappenberger, S. Clair, S. Pons, K. Kern, H. Brune, T. Strunskus, C. Woll, R. Fasel and J. V. Barth (2006). "Coexistence of one- and two-dimensional supramolecular assemblies of terephthalic acid on Pd(111) due to self-limiting deprotonation." *Journal of Chemical Physics* 125(18).
- Caretti, I. (2006). Synthesis and characterization of BCN coatings for tribological applications (Sintesis y caracterizacion de recubrimientos BCN para aplicaciones tribologicas), Universidad Autonoma de Madrid.
- Cavalleri, M., L. A. Naslund, D. C. Edwards, P. Wernet, H. Ogasawara, S. Myneni, L. Ojamae, M. Odelius, A. Nilsson and L. G. M. Pettersson (2006). "The local structure of protonated water from x-ray absorption and density functional theory." *Journal of Chemical Physics* 124(19).
- Chandola, S., J. Jacob, K. Fleischer, P. Vogt, W. Richter and J. F. McGilp (2006). "Optical and electronic properties of Ag nanodots on Si(111)." *Journal of Physics-Condensed Matter* 18(30): 6979-6986.
- Chebotaryov, S. (2006). "Radiative defluorination of poly (vinylidene fluoride) under soft X-ray radiation." *Radiation Physics and Chemistry* 75(11): 2024-2028.
- Chen, W., N. Darowski, I. Zizak, G. Schumacher, H. Klingelhofer and W. Neumann (2006). "Lattice distortion in gamma' precipitates of single crystal superalloy SC16 under creep deformation." *Nuclear Instruments & Methods in Physics Research Section B-Beam Interactions with Materials and Atoms* 246(1): 201205.
- Cyganik, P., M. Buck, T. Strunskus, A. Shaporenko, J. Wilton-Ely, M. Zharnikov and

- C. Woll (2006). "Competition as a design concept: Polymorphism in self-assembled monolayers of biphenyl-based thiols." *Journal of the American Chemical Society* 128(42): 13868-13878.
- Dau, H., W. Kuch and R. Püttner, Eds. (2006). Freie Universität Berlin - Research with Synchrotron Radiation 2000-2005. Aachen, Shaker Verlag.
- Dedyulin, S. N. (2006). Ab initio and experimental study of doped PbTe, Moscow State University.
- Dembski, S. (2006). Synthese und Charakterisierung von II-VI-Halbleiter-Nanopartikeln in unterschiedlicher Umgebung, Universität Würzburg.
- Deniozou, T., N. Esser, T. Schulmeyer and R. Hunger (2006). "A (4x2) surface reconstruction of CuInSe₂(001) studied by low-energy electron diffraction and soft x-ray photoemission spectroscopy." *Applied Physics Letters* 88(5): 052102-3.
- Denks, I. A., M. Klaus and C. Genzel (2006). Determination of real space residual stress distributions $\sigma_{ij}(z)$ of surface treated materials with diffraction methods Part II: Energy dispersive approach. *Residual Stresses VII*. 524-525: 37-42.
- Devred, A., B. Baudouy, D. E. Baynham, T. Boutboul, S. Canfer, M. Chorowski, P. Fabricatore, S. Farinon, H. Félice, P. Fessia, J. Fydrych, V. Granata, M. Greco, J. Greenhalgh, D. Leroy, P. Loverige, M. Matkowski, G. Michalski, F. Michel, L. R. Oberli, A. Den Ouden, D. Pedrini, S. Pietrowicz, J. Polinski, V. Previtali, L. Quettier, D. Richter, J. M. Rifflet, J. Rochford, F. Rondeaux, S. Sanz, C. Scheuerlein, N. Schwerg, S. Sgobba, M. Sorbi, F. Toral-Fernandez,
- R. Van Weelderen, P. Védrine and G. Volpini (2006). "Overview and status of the Next European Dipole Joint Research Activity." *Superconductor Science and Technology* 19(3): S67-S83.
- Di Castro, D., M. Ortolani, E. Cappelluti, U. Schade, N. D. Zhigadlo and J. Karpinski (2006). "Infrared properties of Mg_{1-x}Alx(B_{1-y}Cy)₂ single crystals in the normal and superconducting state." *Physical Review B* 73(17).
- Dmitriev, A., H. Spillmann, S. Stepanow, T. Strunskus, C. Woll, A. P. Seitsonen, M. Lingenfelder, N. Lin, J. V. Barth and K. Kern (2006). "Asymmetry induction by cooperative intermolecular hydrogen bonds in surface-anchored layers of achiral molecules." *Chemphyschem* 7(10): 2197-2204.
- Dmitrieva, O., M. Acet, G. Dumpich, J. Kastner, C. Antoniak, M. Farle and K. Fauth (2006). "Enhancement of L1(0) phase formation in FePt nanoparticles by nitrogenization." *Journal of Physics D-Applied Physics* 39(22): 4741-4745.
- Drago, M., P. Vogt and W. Richter (2006). "MOVPE growth of InN with ammonia on sapphire." *Physica Status Solidi a-Applications and Materials Science* 203(1): 116-126.
- Duati, M., C. Grave, N. Tcbeborateva, J. S. Wu, K. Mullen, A. Shaporenko, M. Zharnikov, J. K. Kriebel, G. M. Whitesides and M. A. Rampi (2006). "Electron transport across hexa-peri-hexabenzocoronene units in a metal-self-assembled monolayer-metal junction." *Advanced Materials* 18(3): 329-+.
- Dudzik, E., R. Feyerherm, W. Diete, R. Signorato and C. Zilkens (2006). "The new HMI beamline MAGS: an instrument for hard X-ray diffraction at BESSY." *Journal of Synchrotron Radiation* 13: 421-425.
- Ehresmann, A., L. Werner, S. Klumpp, P. V. Demekhin, M. P. Lemesko, V. L. Sukhorukov, K. H. Schartner and H. Schmoranzer (2006). "Predissociation of the N-2(+) (C-2 Sigma+(u)) state observed via C-2 Sigma+(u) → X (2)Sigma+(g) fluorescence after resonant 1s(-1)pi* excitation of N-2 molecule." *Journal of Physics B-Atomic Molecular and Optical Physics* 39(6): L119-L126.
- Ehresmann, A., L. Werner, S. Klumpp, S. Lucht, H. Schmoranzer, S. Mickat, R. Schill, K. H. Schartner, P. V. Demekhin, M. P. Lemesko and V. L. Sukhorukov (2006). "Studying the N-2(+) (C (2)Sigma+(u) → X (2)Sigma+(g) fluorescence excited via the 1s(-1)pi* resonance." *Journal of Physics B-Atomic Molecular and Optical Physics* 39(2): 283-304.
- Eriksson, F., N. Ghafoor, F. Schäfers, E. M. Gullikson and J. Birch (2006). "Interface engineering of short-period Ni/V multilayer X-ray mirrors." *Thin Solid Films* 500(1-2): 84-95.
- Ethirajan, A. (2007). "A Micellar Approach to Magnetic Ultrahigh-Density Data-Storage." *Advanced Materials* 19(3): 406-410.
- Feyerherm, R., E. Dudzik, N. Aliouane and D. N. Argyriou (2006). "Commensurate Dy magnetic ordering associated with incommensurate lattice distortion in multiferroic DyMnO₃." *Physical Review B* 73(18).
- Fink, J., A. Koitzsch, J. Geck, V. Zabolotnyy, M. Knupfer, B. Buchner, A. Chubukov and H. Berger (2006). "Reevaluation of the coupling to a bosonic mode of the charge carriers in (Bi,Pb)₂Sr₂CaCu₂O₈+delta at the antinodal point." *Physical Review B* 74(16).
- Fleischer, K., S. Chandola, T. Herrmann, N. Esser, W. Richter and J. F. McGilp (2006). "Free-electron response in reflectance anisotropy spectra." *Physical Review B* 74(19).
- Fukumoto, K., W. Kuch, J. Vogel, F. Romanens, S. Pizzini, J. Camarero, M. Bonfim and J. Kirschner (2006). "Dynamics of magnetic domain wall motion after nucleation: Dependence on the wall energy." *Physical Review Letters* 96(9).
- Gabasch, H., E. Kleimenov, D. Teschner, S. Zafeiratos, M. Havecker, A. Knop-Gericke, R. Schlogl, D. Zemlyanov, B. Aszalos-Kiss, K. Hayek and B. Klotzer (2006). "Carbon incorporation during ethene oxidation on Pd(111) studied by in situ X-ray photoelectron spectroscopy at 2 x 10⁻³ mbar." *Journal of Catalysis* 242(2): 340-348.
- Gabasch, H., W. Unterberger, K. Hayek, B. Klotzer, E. Kleimenov, D. Teschner, S. Zafeiratos, M. Havecker, A. Knop-Gericke, R. Schlogl, J. Y. Han, F. H. Ribeiro,
- B. Aszalos-Kiss, T. Curtin and D. Zemlyanov (2006). "In situ XPS study of Pd(111) oxidation at elevated pressure, Part 2: Palladium oxidation in the 10(-1) mbar range." *Surface Science* 600(15): 2980-2989.
- Galakhov, V. R., N. A. Ovechkina, A. S. Shkvarin, S. N. Shamin, E. Z. Kurmaev, K. Kuepper, A. F. Taka?cs, M. Raekers,

- S. Robin, M. Neumann, G.-N. Gavrila, A.
- S. Semenova, D. G. Kellerman, T. Kaambre and J. Nordgren (2006). "Electronic structure and x-ray spectra of defective oxides Li_xCoO_2 ." *Physical Review B - Condensed Matter and Materials Physics* 74(4).
- Gassenbauer, Y., R. Schafrank, A. Klein, S. Zafeirotos, M. Havecker, A. Knop-Gericke and R. Schlogl (2006). "Surface potential changes of semiconducting oxides monitored by high-pressure photoelectron spectroscopy: Importance of electron concentration at the surface." *Solid State Ionics* 177(35-36): 31233127.
- Gavrila, G., D. R. T. Zahn and W. Braun (2006). "High resolution photoemission spectroscopy: Evidence for strong chemical interaction between Mg and 3,4,9,10-perylene-tetracarboxylic dianhydride." *Applied Physics Letters* 89(16).
- Gensch, M., E. H. Korte, N. Esser, U. Schade and K. Hinrichs (2006). "Microfocusinfrared synchrotron ellipsometer for mapping of ultra thin films." *Infrared Physics & Technology* 49(1-2): 74-77.
- Gensch, M., E. H. Korte, N. Esser, U. Schade and K. Hinrichs (2006). *Infrared Physics +Acy- Technology* 49(1-2): 74-77.
- Getzlaff, M., J. Bansmann, F. Bulut, R. K. Gebhardt, A. Kleibert and K. H. Meiwes-Broer (2006). "Structure, composition and magnetic properties of size-selected FeCo alloy clusters on surfaces." *Applied Physics a-Materials Science & Processing* 82(1): 95-101.
- Ghafoor, N., P. O. A. Persson, J. Birch, F. Eriksson and F. Schafers (2006). "Interface engineered ultrashort period Cr-Ti multilayers as high reflectance mirrors and polarizers for soft x rays of $\lambda=2.74$ nm wavelength." *Applied Optics* 45(1): 137-143.
- Glisoviv, A. (2007). "Transmission X-ray microscopy of spider dragline silk." *International Journal of Biological Macromolecules* 40: 87-95.
- Gode, S. (2006). Optimization of a femtosecond VUV photon source based on high order harmonic generation, Ecole Nationale Supérieure de Physique de Strasbourg.
- Goldhahn, R., P. Schley, A. T. Winzer, G. Gobsch, V. Cimalla, O. Ambacher, M. Rakel, C. Cobet, N. Esser, H. Lu and W. J. Schaff (2006). "Detailed analysis of the dielectric function for wurtzite InN and In-rich InAlN alloys." *Physica Status Solidi a-Applications and Materials Science* 203(1): 42-49.
- Goldhahn, R., P. Schley, A. T. Winzer, M. Rakel, C. Cobet, N. Esser, H. Lu and W. J. Schaff (2006). "Critical points of the band structure and valence band ordering at the Gamma point of wurtzite InN." *Journal of Crystal Growth* 288(2): 273277.
- Gomoyunova, M. V. (2006). "Interaction of iron atoms with the oxidized silicon surface." *Zhurnal Tekhnicheskoi Fiziki* 76(9): 136-139.
- Gomoyunova, M. V. (2006). "Formation of ultrathin iron silicide layers on the single-crystal silicon surface." *Fizika Tverdogo Tela* 48(10): 1898-1902.
- Gomoyunova, M. V. (2006). "Photoemission study of cobalt interaction with the oxidized $\text{Si}(100)2 \times 1$ surface." *Surface Science* 600(1-3): 2449-2456.
- Gordan, O. D., C. Hincinschi, D. R. T. Zahn, C. Cobet, N. Esser and W. Braun (2006). "Reduced intermolecular interaction in organic ultrathin films." *Applied Physics Letters* 88(14).
- Gorner, W., M. Eichelbaum, R. Matschat, K. Rademann, M. Radtke, U. Reinholz and
- H. Riesemeier (2006). "Non-destructive investigation of composition, chemical properties and structure of materials by synchrotron radiation." *Insight* 48(9): 540-544.
- Gottwald, A., U. Kroth, M. Krumrey, M. Richter, F. Scholze and G. Ulm (2006). "The PTB high-accuracy spectral responsivity scale in the VUV and x-ray range." *Metrologia* 43(2): S125-S129.
- Graf, B. (2006). Elektronenspektroskopie von Mangan- und Eisenhaltigen supramolekularen Aggregaten, Univ. Erlangen-Nürnberg.
- Graf, C., S. Dembski, A. Hofmann and E. Ruhl (2006). "A general method for the controlled embedding of nanoparticles in silica colloids." *Langmuir* 22(13): 5604-5610.
- Grimm, M., B. Langer, S. Schlemmer, T. Lischke, U. Becker, W. Widdra, D. Gerlich,
- R. Flesch and E. Ruhl (2006). "Charging mechanisms of trapped element-selectively excited nanoparticles exposed to soft X rays." *Physical Review Letters* 96(6).
- Groh, U. (2006). Spektromikroskopische Untersuchungen an organischen Nanostrukturen, Universität Würzburg.
- Gunther, S., L. Zhou, M. Havecker, A. Knop-Gericke, E. Kleimenov, R. Schlogl and
- R. Imbihl (2006). "Adsorbate coverages and surface reactivity in methanol oxidation over $\text{Cu}(110)$: An in situ photoelectron spectroscopy study." *Journal of Chemical Physics* 125(11).
- Guo, X. X., W. Braun, B. Jenichen, V. M. Kaganer, B. P. Tinkham, A. Trampert and
- K. H. Ploog (2006). "Synchrotron x-ray scattering study of thin epitaxial Pr_2O_3 films on $\text{Si}(001)$." *Journal of Applied Physics* 100(2).
- Gutierrez, A., C. Munuera, M. F. Lopez, J. A. Jimenez, C. Morant, T. Matzelle, N. Kruse and C. Ocal (2006). "Surface microstructure of the oxide protective layers grown on vanadium-free Ti alloys for use in biomedical applications." *Surface Science* 600(18): 3780-3784.
- Han, L. (2006). Improvement of array properties of micellar FePt and CoPt nanoparticle ensembles, Universität Ulm.

- Harding, C. J. and I. Powis (2006). "Sensitivity of photoelectron circular dichroism to structure and electron dynamics in the photoionization of carvone and related chiral monocyclic terpenone enantiomers." *Journal of Chemical Physics* 125 (23).
- Hartmann, M. D. (2006). Structural analysis of the catalytic mechanism of shikimate kinase from *Mycobacterium tuberculosis*, Univ. Hamburg.
- Haumann, M., P. Liebisch, M. Barra, P. Loja, S. Löscher, O. Kirilenko, M. Mertin, F. Schäfers, A. Magnuson, M. Anderlund, S. Ott and H. Dau (2006). Chemical mimics for small molecule catalysis by proteins investigated by X-ray absorption spectroscopy. Freie Universität Berlin - Research with Synchrotron Radiation 2000-2005. Aachen, Shaker Verlag: 20-22.
- Hellwig, O., S. Eisebitt, W. Eberhardt, W. F. Schlotter, J. Luning and J. Stohr (2006). "Magnetic imaging with soft x-ray spectroholography." *Journal of Applied Physics* 99(8).
- Heßler, M. (2006). Spektroskopie an Übergangsmetallclustern, Bayerische Julius-Maximilians-Universität Würzburg.
- Hloskovskyy, A. (2006). Size-selective investigations of spectral and emission properties of small particles and nanotubes, Johannes Gutenberg - Universität Mainz.
- Hoffmann, A., A. Kane, D. Nettels, D. E. Hertzog, P. Baumgartel, J. Lengefeld, G. Reichardt, D. A. Horsley, R. Seckler, O. Bakajin and B. Schuler (2007). "Mapping protein collapse with single-molecule fluorescence and kinetic synchrotron radiation circular dichroism spectroscopy." *Proceedings of the National Academy of Sciences of the United States of America* 104(1): 105110.
- Hofmann, A. (2006). Synthese und Charakterisierung von magnetischen und magnetisch dotierten Nanopartikeln, Universität Würzburg.
- Hofmann, T., U. Schade, K. C. Agarwal, B. Daniel, C. Klingshirn, M. Hetterich, C. M. Herzinger and M. Schubert (2006). "Conduction-band electron effective mass in Zn_{0.87}Mn_{0.13}Se measured by terahertz and far-infrared magneto-optic ellipsometry." *Applied Physics Letters* 88(4).
- Hofmann, T., U. Schade, C. M. Herzinger, P. Esquinazi and M. Schubert (2006). "Terahertz magneto-optic generalized ellipsometry using synchrotron and blackbody radiation." *Review of Scientific Instruments* 77(6).
- Hofmann, T., U. Schade, C. M. Herzinger, P. Esquinazi and M. Schubert (2006). "Terahertz generalized Mueller-matrix ellipsometry." *Proceedings of SPIE - The International Society for Optical Engineering*.
- Hoink, V., M. D. Sacher, J. Schmalhorst, G. Reiss, D. Engel, T. Weis and A. Ehresmann (2006). "Switchable resonant x-ray Bragg scattering on a magnetic grating patterned by ion bombardment." *Journal of Applied Physics* 100(6).
- Hollack, K., S. Khan, R. Mitzner and T. Quast (2006). "THz pulses from Femtoslicing at BESSY." *Physical Review Letters* 96(054601).
- Hollack, K., S. Khan, R. Mitzner and T. Quast (2006). "Femtosecond terahertz radiation from femtoslicing at BESSY." *Physical Review Letters* 96(5).
- Holmström, E., W. Olovsson, I. A. Abrikosov, A. M. N. Niklasson, B. Johansson, M. Gorgoi, O. Karis, S. Svensson, F. Schäfers, W. Braun, G. Öhrwall, G. Andersson, M. Marcellini and W. Eberhardt (2006). "Sample Preserving Deep Interface Characterization Technique." *Physical Review Letters* 97(266106).
- Hübers, H.-W., S. G. Pavlov, K. Hollack, U. Schade and G. Wüstefeld (2006). Long wavelength response of unstressed and stressed Ge:Ga detectors. Proceedings of SPIE - The International Society for Optical Engineering.
- Hunger, R., W. Jaegermann, A. Merson, Y. Shapira, C. Pettenkofer and J. Rappich (2006). "Electronic Structure of Methoxy-, Bromo-, and Nitrobenzene Grafted onto Si(111)." *Journal of Physical Chemistry B* 110(31): 15432-15441.
- Janssen, D., H. Buettig, P. Evtushenko, U. Lehnert, P. Michel, K. Moeller, P. Murcek, C. Schneider, R. Schurig, F. Staufenbiel, J. Teichert, R. Xiang, J. Stephan, W. D. Lehmann, T. Kamps, D. Lipka, V. Volkov and I. Will (2006). "Technology challenges for SRF guns as ERL sources in view of Rossendorf work." *Nuclear Instruments & Methods in Physics Research Section a-Accelerators Spectrometers Detectors and Associated Equipment* 557(1): 80-86.
- Jenichen, B., Y. Takagaki, K. H. Ploog, N. Darowski, R. Feyerherm and I. Zizak (2006). "Nucleation at the phase transition near 40 degrees C in MnAs nanodisks." *Applied Physics Letters* 89(5).
- Joshi, S., S. Barth, S. Marburger, V. Ulrich and U. Hergenhanh (2006). "2p correlation satellites in neon clusters investigated by photoemission." *Physical Review B* 73(23).
- Kafer, D., G. Witte, P. Cyganik, A. Terfort and C. Woll (2006). "A comprehensive study of self-assembled monolayers of anthracenethiol on gold: Solvent effects, structure, and stability." *Journal of the American Chemical Society* 128(5): 1723-1732.
- Kallmayer, M., H. J. Elmers, B. Balke, S. Wurmehl, F. Emmerling, G. H. Fecher and C. Felser (2006). "Magnetic properties of Co₂Mn_{1-x}Fe_xSi Heusler alloys." *Journal of Physics D-Applied Physics* 39(5): 786-792.
- Kallmayer, M., H. Schneider, G. Jakob, H. J. Elmers, K. Kroth, H. C. Kandpal, U. Stumm and S. Cramm (2006). "Reduction of surface magnetism of Co₂Cr_{0.6}Fe_{0.4}Al Heusler alloy films." *Applied Physics Letters* 88(7).
- Kamakura, N., A. Kimura, T. Saitoh, O. Rader, K. S. An and A. Kakizaki (2006). "Magnetism of Fe films grown on Co(100) studied by spin-resolved Fe 3s photoemission." *Physical Review B* 73(9).

- Kammer, S., K. H. Schartner, S. Mickat, R. Schill, A. Ehresmann, L. Werner, S. Klumpp, H. Schmoranzler, I. D. Petrov, P. V. Demekhin and V. L. Sukhorukov (2006). "Cross sections for photoabsorption and $3p(4)4s,3d$ satellite production at energies of the doubly excited Ar $3p(4)(P-3)4s P-2(3/2),(1/2)$ np resonances." *Journal of Physics B-Atomic Molecular and Optical Physics* 39(12): 2757-2771.
- Kaun, N., S. Kulka, J. Frank, U. Schade, M. J. Vellekoop, M. Harasek and B. Lendl (2006). "Towards biochemical reaction monitoring using FT-IR synchrotron radiation." *Analyst* 131 (4): 489-494.
- Keckes, J., E. Eiper, K. J. Martinschitz, P. Boesecke, W. Gindl and G. Dehm (2006). "In-situ x-ray diffraction as a tool to probe mechanical phenomena down to the nano-scale." *Advanced Engineering Materials* 8(11): 1084-1088.
- Kellerman, D. G., V. R. Galakhov, A. S. Semenova, Y. N. Blinovskov and O. N. Leonidova (2006). "Semiconductor-metal transition in defect lithium cobaltite." *Physics of the Solid State* 48(3): 548-556.
- Kera, S., M. B. Casu, K. R. Bauchspiess, D. Batchelor, T. Schmidt and E. Umbach (2006). "Growth mode and molecular orientation of phthalocyanine molecules on metal single crystal substrates: A NEXAFS and XPS study." *Surface Science* 600(5): 1077-1084.
- Kera, S., M. B. Casu, A. Scholl, T. Schmidt, D. Batchelor, E. Ruhl and E. Umbach (2006). "High-resolution inner-shell excitation spectroscopy of H-2-phthalocyanine." *Journal of Chemical Physics* 125(1).
- Kern, B. (2006). Mizellare Herstellung und Charakterisierung von magnetischen Nanopartikeln, Universität Ulm.
- Khan, S., K. Hollmack, T. Kachel, R. Mitzner and T. Quast (2006). "Femtosecond undulator radiation from sliced electron bunches." *Physical Review Letters* 97(7).
- Kielich, W. (2006). Höchstaufösende Spektroskopie von Xe-Zweielektronenresonanzen mit hocheffizienter Fluoreszenzspektroskopie nach schmalbandiger Anregung mit Synchrotronstrahlung, TU Kaiserslautern.
- Klaas, M. (2006). Structural and Functional Studies on Bacterial Cold Shock Proteins: Nucleic-Acid Binding, the Architecture of a Domain Swap, and Mechanisms Contributing to their Stabilization, Freie Universität Berlin.
- Klaus, M., I. A. Denks and C. Genzel (2006). X-ray diffraction analysis of nonuniform residual stress fields $\sigma_{ii}(\tau)$ under difficult conditions. *Residual Stresses VII*. 524-525: 601-606.
- Kleibert, A. (2006). Massengefilterte Eisennanopartikel auf ultradünnen Kobaltfilmen - eine in situ Studie mit weicher Röntgenstrahlung, Rostock University.
- Klein, R., C. Laubis, R. Müller, F. Scholze and G. Ulm (2006). "The EUV metrology program of PTB." *Microelectronic Engineering* 83(4-9): 707-709.
- Koch, N. and A. Vollmer (2006). "Electrode-molecular semiconductor contacts: Work-function-dependent hole injection barriers versus Fermi-level pinning." *Applied Physics Letters* 89(16).
- Koch, N., A. Vollmer, I. Salzmann, B. Nickel, H. Weiss and J. P. Rabe (2006). "Evidence for temperature-dependent electron band dispersion in pentacene." *Physical Review Letters* 96(15).
- Koch-Müller, M., S. S. Matsyuk, D. Rhede, R. Wirth and N. Khisina (2006). "Hydroxyl in mantle olivine xenocrysts from the Udachnaya kimberlite pipe." *Physics and Chemistry of Minerals* 33(4): 276-287.
- Koitzsch, A., S. V. Borisenko, J. Geck, V. B. Zabolotnyy, M. Knupfer, J. Fink, P. Ribeiro, B. Buchner and R. Follath (2006). "Current spinon-holon description of the one-dimensional charge-transfer insulator SrCuO₂: Angle-resolved photoemission measurements." *Physical Review B* 73(20).
- Koller, G., S. Berkebile, J. R. Krenn, F. P. Netzer, M. Oehzelt, T. Haber, R. Resel and M. G. Ramsey (2006). "Heteroepitaxy of organic-organic nanostructures." *Nano Letters* 6(6): 1207-1212.
- Konovalov, I. (2006). "X-ray photoconductivity due to trap-sensitive relaxation of hot carriers." *Applied Physics Letters* 88(22).
- Konovalov, I. (2006). "Trap-sensitive relaxation of hot carriers in ZnO:Cu,Al." *Physica Status Solidi C* 3(8): 2891-2894.
- Kordyuk, A. A., S. V. Borisenko, A. Koitzsch, J. Fink, M. Knupfer, B. Buchner and H. Berger (2006). "Life of the nodal quasiparticles in Bi-2212 as seen by ARPES." *Journal of Physics and Chemistry of Solids* 67(1-3): 201-207.
- Kordyuk, A. A., S. V. Borisenko, V. B. Zabolotnyy, J. Geck, M. Knupfer, J. Fink, B. Buchner, C. T. Lin, B. Keimer, H. Berger, A. V. Pan, S. Komiyama and Y. Ando (2006). "Constituents of the quasiparticle spectrum along the nodal direction of High-T-c cuprates." *Physical Review Letters* 97(1).
- Kotschau, I. M. and H. W. Schock (2006). "Compositional depth profiling of polycrystalline thin films by grazing-incidence X-ray diffraction." *Journal of Applied Crystallography* 39: 683-696.
- Kouba, J., M. Bednarzik, R. Engelke, G. Ahrens, H. Müller and D. Haase (2006). "Optimizing SU-8 resist to fabricate micro-metallic structures." *Solid State Technology* 49(4): 39-+.
- Kouba, J., W. Eberhardt and B. Loechel (2006). Wavelength filter for visible wavelengths based on photonic crystal. Proceedings of SPIE - The International Society for Optical Engineering.
- Kouba, J., M. Kubenz, A. Mai, G. Ropers, W. Eberhardt and B. Loechel (2006). "Fabrication of nanoimprint stamps for photonic crystals." *Journal of Physics: Conference Series* 34(1): 897-903.
- Krasnikov, S. A., A. B. Preobrajenski, N. N. Sergeeva, M. M. Brzhezinskaya, M. A. Nesterov, A. A. Cafola, M. O. Senge and A. S. Vinogradov (2007). "Electronic structure of Ni(II) porphyrins and phthalocyanine studied by soft X-ray absorption spectroscopy." *Chemical Physics* 332(2-3): 318-324.

- Kroll, T. (2006). Spectroscopic studies of Na_xCoO₂, Technische Universität Dresden.
- Kroll, T., M. Knupfer, J. Geck, C. Hess, T. Schwieger, G. Krabbes, C. Sekar, D. R. Batchelor, H. Berger and B. Buchner (2006). "X-ray absorption spectroscopy of Na_xCoO₂ layered cobaltates." *Physical Review B* 74 (11).
- Kronast, F., R. Ovsyannikov, A. Vollmer, H. A. Dürr, W. Eberhardt, P. Imperia, D. Schmitz, G. M. Schott, K. Brunner, M. Sawicki and L. W. Molenkamp (2006). "Surface magnetization deficit in (GaMn)As ferromagnetic semiconductors." *Physical Review B* 74 (225213).
- Kronast, F., R. Ovsyannikov, A. Vollmer, H. A. Dürr, W. Eberhardt, P. Imperia, D. Schmitz, G. M. Schott, C. Ruester, C. Gould, G. Schmidt, K. Brunner, M. Sawicki and L. W. Molenkamp (2006). "Mn 3d electronic configurations in (Ga_{1-x}Mnx)As ferromagnetic semiconductors and their influence on magnetic ordering." *Physical Review B* 74 (23).
- Kropp, J. M. (2006). Interface analysis of molecule terminated III-V semiconductors, TU Berlin.
- Krumrey, M., M. Gerlach, F. Scholze and G. Ulm (2006). "Calibration and characterization of semiconductor X-ray detectors with synchrotron radiation." *Nuclear Instruments & Methods in Physics Research Section a-Accelerators Spectrometers Detectors and Associated Equipment* 568(1): 364-368.
- Krylov, A. V., H. Adamzig, A. D. Walter, B. Lochel, E. Kurth, O. Pulz, J. Szeponik, F. Wegerich and F. Lisdat (2006). "Parallel generation and detection of superoxide and hydrogen peroxide in a fluidic chip." *Sensors and Actuators B-Chemical* 119(1): 118-126.
- Kuch, W., L. I. Chelaru, F. Offi, J. Wang, M. Kotsugi and J. Kirschner (2006). "Tuning the magnetic coupling across ultrathin antiferromagnetic films by controlling atomic-scale roughness." *Nature Materials* 5(2): 128-133.
- Kuck, S., F. Brandt, H. A. Kremling, A. Gottwald, A. Hoehl and M. Richter (2006). "Absolute measurement of F-2-laser power at 157 nm." *Applied Optics* 45(14): 3325-3330.
- Küller, A. (2006). Von der Chemischen Nanolithographie zur Dreidimensionalen Lithographie und freistehenden Nanofolien, Universität Heidelberg.
- Kurde, J. (2006). EXAFS- und MEXAFS-Untersuchungen an 3d- und 4fFerromagneten, Freie Universität Berlin.
- Lagutin, B. M., F. V. Demekhin, I. D. Petrov, V. L. Sukhorukov, A. Ehresmann, H. Schmoranzner and K. H. Scharnter (2006). "Interference effects in alignment and orientation processes of atoms excited by polarized radiation." *Optics and Spectroscopy* 101(6): 832-838.
- Lang, J., B. J. Kent, W. Paustian, C. M. Brown, C. Keyser, M. R. Anderson, G. C. R. Case, R. A. Chaudry, A. M. James, C. M. Korendyke, C. D. Pike, B. J. Probyn,
- D. J. Rippington, J. F. Seely, J. A. Tandy and M. C. R. Whillock (2006). "Laboratory calibration of the Extreme-Ultraviolet Imaging Spectrometer for the Solar-B satellite." *Applied Optics* 45(34): 8689-8705.
- Lee, J. S., M. Ortolani, U. Schade, Y. J. Chang and T. W. Noh (2007). "Time-resolved visualization of the heat flow in VO₂/Al₂O₃ films." *Applied Physics Letters* 90(1): 001-004.
- Lehmann, S., M. Bar, D. F. Marron, P. Pistor, S. Wiesner, M. Rusu, I. Kotschau, I. Laueremann, A. Grimm, S. Sokoll, C. H. Fischer, T. Schedel-Niedrig, M. C. Lux-Steiner and C. Jung (2006). "CuGaSe₂-CuGa₃Se₅ phase transition in CCSVT-grown thin films." *Thin Solid Films* 511: 623-627.
- Liepe, M. and J. Knobloch (2006). "Superconducting RF for energy-recovery linacs." *Nuclear Instruments & Methods in Physics Research Section a-Accelerators Spectrometers Detectors and Associated Equipment* 557(1): 354-369.
- Locht, R., B. Leyh, D. Dehareng, K. Hottmann, H. W. Jochims and H. Baumgartel (2006). "About the photoionization of methyl bromide (CH₃Br). Photoelectron and photoionization mass spectrometric investigation." *Chemical Physics* 323(2-3): 458-472.
- Loja, P., M. Barra, S. Löscher, O. Kirilenko, P. Liebisch, M. Mertin, F. Schäfers, M. Haumann and H. Dau (2006). X-ray spectroscopy to study catalytic metal centers: A new BioXAS experiment at the BESSY beamline KMC1. Freie Universität Berlin - Research with Synchrotron Radiation 2000-2005. H. Dau,
- W. Kuch and R. Püttner. Aachen, Shaker Verlag: 104-105.
- Loreck, C. (2006). Sputter-(Zn,Mg)O als Pufferschicht in cadmiumfreien Chalkopyrit-Dünnschichtsolarellen: Präparation, elektronenspektroskopische Grenzflächenanalyse und Solarzelleneigenschaften, Technische Universität Berlin.
- Lud, S. Q., M. Steenackers, R. Jordan, P. Bruno, D. M. Gruen, P. Feulner, J. A. Garrido and M. Stutzmann (2006). "Chemical grafting of biphenyl self-assembled monolayers on ultrananocrystalline diamond." *Journal of the American Chemical Society* 128(51): 16884-16891.
- Lundwall, M., A. Lindblad, H. Bergersen, T. Rander, G. Ohrwall, M. Tchapyguine, S. Peredkov, S. Svensson and O. Bjorneholm (2006). "Photon energy dependent intensity variations observed in Auger spectra of free argon clusters." *Journal of Physics B-Atomic Molecular and Optical Physics* 39(16): 3321-3333.
- Makhova, L. (2006). "X-ray spectroscopic investigation of forbidden direct transitions in CuGaO₂ and CuInO₂." *Physica Status Solidi a-Applications and Materials Science* 203(11): 2861-2866.
- Manns, T., J. Gibmeier and B. Scholtes (2006). Determination of real space residual stress distributions sigma_(ij)(z) of surface treated materials with diffraction methods Part 1: Angle-dispersive approach. Residual Stresses VII. 524-525: 31-36.
- Marchetto, H. (2006). High-resolution spectro-microscopic investigation of organic thin film growth, Freie Universität Berlin.
- Marchetto, H., U. Groh, T. Schmidt, R. Fink, H. J. Freund and E. Umbach (2006). "Influence of substrate morphology on

- organic layer growth: PTCDA on Ag(111)." *Chemical Physics* 325(1): 178-184.
- Martins, M., K. Godehusen, T. Richter, P. Wernet and P. Zimmermann (2006). "Open shells and multi-electron interactions: Core level photoionization of the 3d metal atoms." *Journal of Physics B: Atomic, Molecular and Optical Physics* 39(5): R79-R125.
- Marutzky, M. (2006). Elektronische Struktur von antiferromagnetischen UN und UPTGe Einkristallen aus optischer und magnetooptischer Spektroskopie, TU Braunschweig.
- Marutzky, M., U. Barkow, S. Weber, J. Schoenes and R. Troc (2006). "Optical and magneto-optical anisotropy of UPTGe single crystals." - 74(- 20): - 7.
- Mavromati, A. (2006). Study of biological samples using X-ray fluorescence spectroscopy, Aristotle University of Thessaloniki.
- Mayer, T., M. V. Lebedev, R. Hunger and W. Jaegermann (2006). "Synchrotron Photoemission Analysis of Semiconductor/Electrolyte Interfaces by the Frozen-Electrolyte Approach: Interaction of HCl in 2-Propanol with GaAs(100)." *Journal of Physical Chemistry B* 110(5): 2293-2301.
- McGuinness, C. L., A. Shaporenko, C. K. Mars, S. Uppili, M. Zhamikov and D. L. Allara (2006). "Molecular self-assembly at bare semiconductor surfaces: Preparation and characterization of highly organized octadecanethiolate monolayers on GaAs(001)." *Journal of the American Chemical Society* 128(15): 5231-5243.
- McGuinness, C. (2006). Molecular assembly at bare semiconductor surfaces, The Pennsylvania State University.
- Menzel, A., Y. V. Tolmachev, K. C. Chang, V. Komanicky, Y. S. Chu, J. J. Rehr and
- H. You (2006). "Polarization-dependent resonant anomalous surface X-ray scattering of CO/Pt(111)." *Europhysics Letters* 74(6): 1032-1038.
- Meyer, M., D. Cubaynes, F. J. Wuilleumier, E. Heineck, T. Richter, P. Zimmermann,
- S. I. Strakhova and A. N. Grum-Grzhimailo (2006). "Probing the KII 3p(5)4p fine structure by photoelectron spectroscopy of laser-excited potassium." *Journal of Physics B-Atomic Molecular and Optical Physics* 39(7): L153-L158.
- Molodtsova, O. V., V. Y. Aristov, V. M. Zhilin, D. V. Vyalikh and M. Knupfer (2006). "Potassium doped CuPc: Electronic and atomic structure formation." *Journal De Physique Iv* 132: 121-125.
- Moroz, L. V., M. Schmidt, U. Schade, T. Hiroi and M. A. Ivanova (2006). "Synchrotron-based infrared microspectroscopy as a useful tool to study hydration states of meteorite constituents." *Meteoritics & Planetary Science* 41(8): 1219-1230.
- Muller, B. R. and M. P. Hentschel (2006). Computed Tomography - Application to Composites and Microstructures. Springer Handbook of Materials Measurement Methods, Springer Science+Business Media Inc.
- Muller, M., B. Beckhoff, G. Ulm and B. Kanngiesser (2006). "Absolute determination of cross sections for resonant Raman scattering on silicon." *Physical Review A* 74(1).
- Müller, N., T. Khalil, M. Pohl, T. Uphues, M. Polcik, O. Rader, F. Heigl, K. Starke, S. Fritzsche, N. M. Kabachnik and U. Heinzmann (2006). "Interference of spin states in resonant photoemission induced by circularly polarized light from magnetized Gd." *Physical Review B - Condensed Matter and Materials Physics* 74(16).
- Müller, R., A. Hoehl, R. Klein, G. Ulm, U. Schade, K. Holldack and G. Wüstefeld (2006). "Planned infrared beamlines at the Metrology Light Source of PTB." *Infrared Physics and Technology* 49(1-2): 161-166.
- Munuera, C., T. R. Matzelle, N. Kruse, M. F. Lopez, A. Gutierrez, J. A. Jimenez and
- C. Ocal (2007). "Surface elastic properties of Ti alloys modified for medical implants: A force spectroscopy study." *Acta Biomaterialia* 3(1): 113-119.
- Nefedov, A., N. Akdogan, H. Zabel, R. I. Khaibullin and L. R. Tagirov (2006). "Spin polarization of oxygen atoms in ferromagnetic Co-doped rutile TiO₂." *Applied Physics Letters* 89(18).
- Neubauer, R. (2006). In situ - Untersuchungen zur Reaktivität ungesättigter, aromatischer und funktionalisierter Kohlenwasserstoffe auf einkristallinen Übergangsmetalloberflächen, Universität Erlangen-Nürnberg.
- Neuhauser, U. and G. Schneider (2006). "Non-destructive high-resolution X-ray imaging of ULSI micro-electronics using keV X-ray microscopy in Zernike phase contrast." *Microelectronic Engineering* 83(4-9): 1043-1046.
- Oran, U., S. Swaraj, A. Lipitz and W. E. S. Unger (2006). "Surface analysis of plasma deposited polymer films, 7- 'in situ' characterization of plasma deposited allylamine films by ToF-SSIMS, XPS and NEXAFS spectroscopy." *Plasma Processes and Polymers* 3(3): 288-298.
- Ortolani, M., P. Calvani, S. Lupi, U. Schade, A. Perla, M. Fujita and K. Yamada (2006). "Effects of superconductivity and charge order on the subterahertz reflectivity of La_{1.875}Ba_{0.125-y}Sr_yCuO₄." *Physical Review B* 73(18).
- Ortolani, M., S. Lupi, L. Baldassarre, U. Schade, P. Calvani, Y. Takano, M. Nagao, T. Takenouchi and H. Kawarada (2006). "Low-energy electrodynamics of superconducting diamond." *Physical Review Letters* 97(9).
- Osan, J., S. Torok, B. Beckhoff, G. Ulm, H. Hwang, C. U. Ro, C. Abete and R. Fuoco (2006). "Nitrogen and sulfur compounds in coastal Antarctic fine aerosol particles - an insight using non-destructive X-ray microanalytical methods." *Atmospheric Environment* 40(25): 4691-4702.
- Ott, H., C. Schussler-Langeheine, E. Schierle, A. Y. Grigoriev, V. Leiner, H. Zabel, G. Kaindl and E. Weschke (2006). "Magnetic x-ray scattering at the M-5 absorption edge of Ho." *Physical Review B* 74(9).
- Ott, H., C. Schussler-Langeheine, E. Schierle, G. Kaindl and E. Weschke (2006). "Magnetic depth profiles from resonant

- soft x-ray scattering: Application to Dy thin films." *Applied Physics Letters* 88(21).
- Otte, K. (2006). "Flexible Cu(In,Ga)Se-2 thin-film solar cells for space application." *Thin Solid Films* 511: 613-622.
- Pagés-Camagna, S., I. Reiche, C. Brouder, D. Cabaret, S. Rossano, B. Kanngießler and A. Erko (2006). "New insights into the colour origin of archaeological Egyptian blue and green by XAFS at the Cu K-edge." *X-Ray Spectrometry* 35(2): 141-145.
- Papp, C., T. Fuhrmann, B. Tränkenschuh, R. Denecke and H. P. Steinrück (2006). "Site selectivity of benzene adsorption on Ni(111) studied by high-resolution x-ray photoelectron spectroscopy." *Physical Review B* 73(23).
- Pavlychev, A. A., X. O. Brykalova, R. Flesch and E. Ruhl (2006). "Shape resonances in molecular clusters: the 2t(2g) shape resonances in S 2p-excited sulfur hexafluoride clusters." *Physical Chemistry Chemical Physics* 8(16): 1914-1921.
- Peisert, H., I. Biswas, L. Zhang, M. Knupfer, M. Hanack, D. Dini, D. Batchelor and T. Chasse (2006). "Molecular orientation of substituted phthalocyanines: Influence of the substrate roughness." *Surface Science* 600(18): 4024-4029.
- Pinakidou, F. (2006). XAFS studies on stabilized industrial wastes, Aristotle University of Thessaloniki.
- Pinakidou, F., M. Katsikini, E. C. Paloura, P. Kavouras, O. Kalogirou, P. Komninou and T. Karakostas (2006). "Modification of the Fe-environment in Fe₂O₃ glass/glass ceramic systems containing Pb, Na and Si." *Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms* 246(1): 170-175.
- Pinakidou, F., M. Katsikini, E. C. Paloura, P. Kavouras, O. Kalogirou, P. Komninou, T. Karakostas and A. Erko (2006). "On the coordination environment of Fe- and Pb-rich solidified industrial waste: An X-ray absorption and Moessbauer study." *Journal of Non-Crystalline Solids* 352(28-29): 2933-2942.
- Pinakidou, F., M. Katsikini, E. C. Paloura, P. Kavouras, P. Komninou, T. Karakostas and A. Erko (2006). "Application of i-XAFS for the determination of the crystallization ratio in a series of vitro-ceramic materials containing industrial waste." *Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms* 246(1): 238-243.
- Pinakidou, F., M. Katsikini, E. C. Paloura, P. Kavouras, P. Komninou, T. Karakostas and A. Erko (2006). "Application of mu-XAFS for the determination of the crystallization ratio in a series of vitro-ceramic materials containing industrial waste." *Nuclear Instruments & Methods in Physics Research Section B-Beam Interactions with Materials and Atoms* 246(1): 238-243.
- Pozdnyakova, O., D. Teschner, A. Wootsch, J. Krohnert, B. Steinhauer, H. Sauer, L. Toth, F. C. Jentoft, A. Knop-Gericke, Z. Paal and R. Schlögl (2006). "Preferential CO oxidation in hydrogen (PROX) on ceria-supported catalysts, part I: Oxidation state and surface species on Pt/CeO₂ under reaction conditions." *Journal of Catalysis* 237(1): 1-16.
- Pozdnyakova, O., D. Teschner, A. Wootsch, J. Krohnert, B. Steinhauer, H. Sauer, L. Toth, F. C. Jentoft, A. Knop-Gericke, Z. Paal and R. Schlögl (2006). "Preferential CO oxidation in hydrogen (PROX) on ceria-supported catalysts, part II: Oxidation states and surface species on Pd/CeO₂ under reaction conditions, suggested reaction mechanism." *Journal of Catalysis* 237(1): 1728.
- Radu, F., V. Leiner, M. Wolff, V. K. Ignatovich and H. Zabel (2006). "Quantum states of neutrons in magnetic thin films (vol 71, pg 214423, 2005)." *Physical Review B* 74(6).
- Radu, F., A. Nefedov, J. Grabis, G. Nowak, A. Bergmann and H. Zabel (2006). "Soft X-ray resonant magnetic scattering studies on Fe/CoO exchange bias system." *Journal of Magnetism and Magnetic Materials* 300(1): 206-210.
- Radu, F., A. Westphalen, K. Theis-Brohl and H. Zabel (2006). "Quantitative description of the azimuthal dependence of the exchange bias effect." *Journal of Physics-Condensed Matter* 18(3): L29-L36.
- Rappich, J., A. Merson, K. Roodenko, T. Dittrich, M. Gensch, K. Hinrichs and Y. Shapira (2006). *Journal of Physical Chemistry B* 110(3): 1332-1337.
- Rentenberger, S., A. Vollmer, E. Zojer, R. Schennach and N. Koch (2006). "UV/ozone treated Au for air-stable, low hole injection barrier electrodes in organic electronics." *Journal of Applied Physics* 100(5).
- Rhie, H. S., H. A. Durr and W. Eberhardt (2006). "Femtosecond evolution of electronic interactions at the Ni(111) surface." *Applied Physics a-Materials Science & Processing* 82(1): 9-14.
- Richter, M., A. Gottwald, F. Scholze, R. Thornagel and G. Ulm (2006). Calibration of space instrumentation with synchrotron radiation. Thermospheric-Ionospheric-Geospheric (Tiger) Symposium. 37: 265-272.
- Romanens, F., J. Vogel, W. Kuch, K. Fukumoto, J. Camarero, S. Pizzini, M. Bonfim and F. Petroff (2006). "Influence of topography and Co domain walls on the magnetization reversal of the FeNi layer in FeNi/Al₂O₃/Co magnetic tunnel junctions." *Physical Review B* 74(18).
- Roodenko, K., M. Gensch, H. M. Heise, U. Schade, N. Esser and K. Hinrichs (2006). "Influences of thick film inhomogeneities on the ellipsometric parameters." *Infrared Physics & Technology* 49(1-2): 39-44.
- Rosenthal, D., I. Zizak, N. Darowski, T. T. Magkoev and K. Christmann (2006). "The growth and structure of titanium dioxide films on a Re(10-10) surface: Rutile(011)-(2 x 1)." *Surface Science* 600(14): 2830-2840.
- Rößler, K. (2006). Übergangsmetallkomplexe für die Molekulare Elektronik, Technische Universität Chemnitz.
- Rosnagel, K. and N. V. Smith (2006). "Spin-orbit coupling in the band structure of reconstructed 1T-TaS₂." *Physical Review B* 73(7).
- Rossner, H. H., D. Schmitz, P. Imperia, H. J. Krappe and J. J. Rehr (2006). "Bayes-Turchin analysis of x-ray absorption data above the Fe L-2, L-3-edges." *Physical Review B* 74(13).

- Schade, U. (2006). "WIRMS 2005 - International Workshop on Infrared Microscopy and Spectroscopy with Accelerator-Based Sources - 26-30 June 2005, Rathen, Germany - Preface." *Infrared Physics & Technology* 49(1-2): 1-2.
- Schade, U. (2006). "Editorial." *Infrared Physics and Technology* 49(1-2): 1-2.
- Schade, U., O. Bock, S. Vornhusen, A. Jager, G. Busche, U. Lehmann and H. Kreipe (2006). "Bone marrow infiltration pattern in B-cell chronic lymphocytic leukemia is related to immunoglobulin heavy-chain variable region mutation status and expression of 70-kd zeta-associated protein (ZAP-70)." *Human Pathology* 37 (9): 1153-1161.
- Schadow, T. (2006). Innerschalenspektroskopie an Kobalt- und Titanclustern, Technische Universität Berlin.
- Schafranek, R. and A. Klein (2006). "In situ photoemission study of the contact formation of (Ba,Sr)TiO₃ with Cu and Au." *Solid State Ionics* 177 (19-25): 1659-1664.
- Schlappa, J. (2006). Investigation of electronic order using resonant soft x-ray diffraction, Universität zu Köln.
- Schley, P. (2006). Optische Eigenschaften von InN und InGaN mit In- bzw. (In,Ga)- und N- Polarität, Technische Universität Ilmenau.
- Schley, P., R. Goldhahn, A. T. Winzer, G. Gobsch, V. Cimalla, O. Ambacher, M. Rakel, C. Cobet, N. Esser, H. Lu and W. J. Schaff (2006). "Transition energies and Stokes shift analysis for In-rich InGaN alloys." *Physica Status Solidi B-Basic Solid State Physics* 243 (7): 1572-1576.
- Schlotter, W. F., R. Rick, K. Chen, A. Scherz, J. Stohr, J. Luning, S. Eisebitt, C. Gunther, W. Eberhardt, O. Hellwig and I. McNulty (2006). "Multiple reference Fourier transform holography with soft x rays." *Applied Physics Letters* 89(16).
- Schmalhorst, J., M. D. Sacher, V. Hoink, G. Reiss, A. Hutten, D. Engel and A. Ehresmann (2006). "Magnetic and chemical properties of Co₂MnSi thin films compared to the Co₂MnSi/Al-O interface." *Journal of Applied Physics* 100(11).
- Schmidt, M., N. Gierlinger, U. Schade, T. Rogge and M. Grunze (2006). "Polarized infrared microspectroscopy of single spruce fibers: Hydrogen bonding in wood polymers." *Biopolymers* 83 (5): 546-555.
- Schmidt, M., U. Schade and M. Grunze (2006). "Micro spectroscopic observation of vibrational linear dichroism using polarization-modulated infrared synchrotron radiation." *Infrared Physics & Technology* 49(1-2): 69-73.
- Schmitz, S. (2006). Chemische Datierung mit konfokaler Synchrotron Mikro-RFA an Monaziten aus Saphirin-führender Granuliten des Gruf-Kplex (Zentralalpen, N-Italien), Universität Potsdam.
- Schneider, H., G. Jakob, M. Kallmayer, H. J. Elmers, M. Cinchetti, B. Balke, S. Wurmehl, C. Felser, M. Aeschlimann and H. Adrian (2006). "Epitaxial film growth and magnetic properties of Co₂FeSi." *Physical Review B* 74 (17).
- Scholze, F., B. Beckhoff, M. Kolbe, M. Krumrey, M. Muller and G. Ulm (2006). "Detector calibration and measurement of fundamental parameters for X-ray spectrometry." *Microchimica Acta* 155 (1-2): 275-278.
- Scholze, F., R. Klein and R. Muller (2006). "Characterization of detectors for extreme UV radiation." *Metrologia* 43 (2): S6-S10.
- Schwanitz, K., U. Weiler, R. Hunger, T. Mayer and W. Jaegermann (2007). "Synchrotron-Induced Photoelectron Spectroscopy of the Dye-Sensitized Nanocrystalline TiO₂/Electrolyte Interface: Band Gap States and Their Interaction with Dye and Solvent Molecules." *J. Phys. Chem. C* 111 (2): 849-854.
- Senkovskiy, B. V., A. Y. Varykhalov, A. M. Shikin, V. K. Adamchuk and O. Rader (2006). "Quantum-well states in a thin Ag film on a Ni(111) substrate." *Physics of the Solid State* 48(10): 1974-1980.
- Sergeevich, C. S. (2006). Rentgenovskaya Spectroscopiya kvaziodnomernih produktov karbonizacii polivinilidenftorida" [*X-ray spectroscopy of the poly(vinylidene fluoride) and its carbonized derivatives*], Chelyabinsk State Pedagogical University.
- Seyller, T. (2006). Structural, Chemical and Electronic Properties of Hydrogen-saturated SiC Surfaces and their Interfaces with Oxides, Friedrich-Alexander-Universität Erlangen-Nürnberg.
- Seyller, T., K. V. Emtsev, K. Gao, F. Speck, L. Ley, A. Tadich, L. Broekman, J. D. Riley, R. C. G. Leckey, O. Rader, A. Varykhalov and A. M. Shikin (2006). "Structural and electronic properties of graphite layers grown on SiC(0001)." *Surface Science* 600(18): 3906-3911.
- Shaporenko, A., M. Elbing, A. Baszczyk, C. von Hanisch, M. Mayor and M. Zharnikov (2006). "Self-assembled monolayers from biphenylthiol derivatives: Optimization of the deprotection procedure and effect of the molecular conformation." *Journal of Physical Chemistry B* 110(9): 4307-4317.
- Shaporenko, A., K. Rossler, H. Lang and M. Zharnikov (2006). "Self-assembled monolayers of ferrocene-substituted biphenyl ethynyl thiols on gold." *Journal of Physical Chemistry B* 110(48): 24621-24628.
- Shaporenko, A., M. Zharnikov, P. Feulner and D. Menzel (2006). "Quantitative analysis of temperature effects in radiation damage of thiolate-based self-assembled monolayers." *Journal of Physics-Condensed Matter* 18(30): S1677-S1689.
- Shikin, A. M., M. B. Visman, G. G. Vladimirov, V. K. Adamchuk and O. Rader (2006). "Quantum-well states in Ag/W(100) and their symmetric evolution in the atomic limit of thickness." *Surface Science* 600(13): 2681-2687.
- Shu, J. N., K. R. Wilson, M. Ahmed, S. R. Leone, C. Graf and E. Ruhl (2006). "Elastic light scattering from nanoparticles by monochromatic vacuum-ultraviolet radiation." *Journal of Chemical Physics* 124(3).
- Sivkov, V. N., A. S. Vinogradov, S. V. Nekipelov, D. V. Sivkov, D. V. Vyalykh and S. L. Molodtsov (2006). "Oscillator Strengths for the Shape Resonances in the N K Absorption Spectrum of NaNO₃ Measured with the Use of Synchrotron Radiation." *Optics and Spectroscopy* 101: 724-730.

- Sorg, C., N. Ponpandian, M. Bernien, K. Baberschke, H. Wende and R. Q. Wu (2006). "Induced magnetism of oxygen in surfactant-grown Fe, Co, and Ni monolayers." *Physical Review B* 73(6).
- Soriano, L., A. Gutierrez, I. Preda, S. Palacin, J. M. Sanz, M. Abbate, J. F. Trigo, A. Vollmer and P. R. Bressler (2006). "Splitting of Ni 3d states at the surface of NiO nanostructures." *Physical Review B* 74(19).
- Sorokin, A. A., S. V. Bobashev, K. Tiedtke and M. Richter (2006). "Multi-photon ionization of molecular nitrogen by femtosecond soft x-ray FEL pulses." *Journal of Physics B-Atomic Molecular and Optical Physics* 39(14): L299L304.
- Sorokin, A. A., A. Gottwald, A. Hoehl, U. Kroth, H. Schoppe, G. Ulm, M. Richter, S. V. Bobashev, I. V. Domracheva, D. N. Smirnov, K. Tiedtke, S. Dusterer, J. Feldhaus, U. Hahn, U. Jastrow, M. Kuhlmann, T. Nunez, E. Plonjes and R. Treusch (2006). "Method based on atomic photoionization for spot-size measurement on focused soft x-ray free-electron laser beams." *Applied Physics Letters* 89(22).
- Staats, G., L. Fernandez, K. Hollmack, U. Schade and D. Schondelmaier (2006). "Coupling structures for terahertz near-field micro spectroscopy." *Infrared Physics & Technology* 49(1-2): 122-127.
- Stacchiola, D., S. Kaya, J. Weissenrieder, H. Kuhlenbeck, S. Shaikhutdinov, H. J. Freund, M. Sierka, T. K. Todorova and J. Sauer (2006). "Synthesis and structure of ultrathin aluminosilicate films." *Angewandte Chemie-International Edition* 45(45): 7636-7639.
- Staufenbiel, F., H. Bttig, P. Evtushenko, D. Janssen, U. Lehnert, P. Michel, K. Moller, C. Schneider, R. Schurig, J. Teichert, R. Xiang, J. Stephan, W. D. Lehmann, T. Kamps, D. Lipka, I. Will and V. Volkov (2006). "Test of the photocathode cooling system of the 3 1/2 cell SRF gun." *Physica C-Superconductivity and Its Applications* 441(1-2): 216-219.
- Stefan, N. (2006). Self-Assembled Organic Layers on Solid Surfaces: Structure, Dynamics and Modification, Technische Universität München.
- Steffes, H., A. Schleunitz, U. Gernert, R. Chabicovsky and E. Obermeier (2006). "A novel optical gas sensor based on sputtered InxOyNz films with gold-nano-dots." *Microelectronic Engineering* 83(4-9 SPEC. ISS.): 1197-1200.
- Steinrück, H. P., T. Fuhrmann, C. Papp, B. Tränkenschuh and R. Denecke (2006). "A detailed analysis of vibrational excitations in X-ray photoelectron spectra of adsorbed small hydrocarbons." *Journal of Chemical Physics* 125(20).
- Stollberg, H. (2007). "Size selective colloidal-gold localization in transmission x-ray microscopy." *Journal of Microscopy* 225(1): 80-87.
- Streber, R. (2006). In-situ XPS-Untersuchungen des Einflusses von Silber auf die CO-Adsorption auf gestuften Platinoberflächen, Universität Erlangen-Nürnberg.
- Teschner, D., E. Vass, M. Havecker, S. Zafeiratos, P. Schnorch, H. Sauer, A. Knop-Gericke, R. Schloegl, M. Chamam, A. Woosch, A. S. Canning, J. J. Gamman, S. D. Jackson, J. McGregor and L. F. Gladden (2006). "Alkyne hydrogenation over Pd catalysts: A new paradigm." *Journal of Catalysis* 242(1): 26-37.
- Teschner, D., A. Woosch, O. Pozdnyakova, H. Sauer, A. Knop-Gericke and R. Schlogl (2006). "Surface and structural properties of Pt/CeO2 catalyst under preferential CO oxidation in hydrogen (PROX)." *Reaction Kinetics and Catalysis Letters* 87(2): 235-247.
- Tieg, C. (2006). Growth, structure and magnetic properties of single-crystalline antiferromagnetic NiMn films and bilayers of NiMn and Co on Cu(001), Martin-Luther-Universität Halle-Wittenberg.
- Tinkham, B. P., M. Takahashi, B. Jenichen, T. Watahiki, W. Braun and K. H. Ploog (2006). "Structure and stability of Pr2O3/Si(0 0 1) heterostructures grown by molecular beam epitaxy using a high temperature effusion source." *Semiconductor Science and Technology* 21(12): 1552-1556.
- Tran, E., M. Duati, V. Ferri, K. Mullen, M. Zharnikov, G. M. Whitesides and M. A. Rampi (2006). "Experimental approaches for controlling current flowing through metal-molecules-metal junctions." *Advanced Materials* 18(10): 13231328.
- Tränkenschuh, B. (2006). In-situ Untersuchungen zur chemischen Reaktivität von gezielt veränderten Metalloberflächen, Universität Erlangen-Nürnberg.
- Tränkenschuh, B., N. Fritsche, T. Fuhrmann, C. Papp, J. F. Zhu, R. Denecke and H. P. Steinrück (2006). "A site-selective in situ study of CO adsorption and desorption on Pt(355)." *Journal of Chemical Physics* 124(7).
- Tränkenschuh, B., C. Papp, T. Fuhrmann, R. Denecke and H. P. Steinrück (2007). "The dissimilar twins - a comparative, site-selective in situ study of CO." *Surface Science* 601(4): 1108-1117.
- Unger, W. E. S., S. Swaraj, U. Oran and A. Lippitz (2006). "Radio frequency (r.f.) plasma-deposited polymer films: influence of external plasma parameters as viewed by comprehensive in-situ surface chemical analysis by XAS, XPS and ToF-SIMS." *Surface and Interface Analysis* 38(4): 522-525.
- Valencia, S., A. Gaupp, W. Gudat, L. Abad, L. Balcells, A. Cavallaro, B. Martinez and F. J. Palomares (2006). "Mn valence instability in La2/3Ca1/3MnO3 thin films." *Physical Review B* 73(10).
- Valencia, S., A. Gaupp, W. Gudat, L. Abad, L. Balcells, B. Martínez and V. Laukhin (2006). "Soft x-ray absorption spectroscopy of strained epitaxial manganite thin films." *Applied Physics Letters* 89(17).

- Valencia, S., A. Gaupp, W. Gudat, H.-C. Mertins, P. M. Oppeneer, D. Abramssohn and C. M. Schneider (2006). "Faraday rotation spectra at shallow core levels: 3p edges of Fe, Co, and Ni." *New Journal of Physics* 8: 1-11.
- Varykhalov, A., C. Biswas, W. Gudat and O. Rader (2006). "Fabrication of patterned Au films as supporting templates for one-dimensional magnetic nanostructures." *Physical Review B* 74(19).
- Varykhalov, A., W. Gudat, V. K. Adamchuk and O. Rader (2006). "Magic numbers in two-dimensional self-organization of C-60 molecules." *Physical Review B* 73(24).
- Vollmer, A., H. Weiss, S. Rentenberger, I. Salzmann, J. P. Rabe and N. Koch (2006). "The interaction of oxygen and ozone with pentacene." *Surface Science* 600(18): 4004-4007.
- Vora, K. D., B. Lochel, E. C. Harvey, J. P. Hayes and A. G. Peele (2006). "AFMmeasured surface roughness of SU-8 structures produced by deep x-ray lithography." *Journal of Micromechanics and Microengineering* 16(10): 19751983.
- Voss, S. (2007). "Electronic structure of Mn12 derivatives on the clean and functionalized Au surface." *Physical Review B* 75: 045102.
- Wang, H. C., J. T. Zhu, Z. S. Wang, Z. Zhang, S. M. Zhang, W. J. Wu, L. Y. Chen, A. G. Michette, A. K. Powell, S. J. Pfauntsch, F. Schafers and A. Gaupp (2006). "Broadband Mo/Si multilayer analyzers for the 15-17 nm wavelength range." *Thin Solid Films* 515(4): 2523-2526.
- Wang, Z. S., H. C. Wang, J. T. Zhu, F. L. Wang, Z. X. Gu, L. Y. Chen, A. G. Michette, A. K. Powell, S. J. Pfauntsch and F. Schafers (2006). "Broad angular multilayer analyzer for soft x-rays." *Optics Express* 14(6): 2533-2538.
- Wang, Z. S., H. C. Wang, J. T. Zhu, F. L. Wang, Z. X. Gu, L. Y. Chen, A. G. Michette, A. K. Powell, S. J. Pfauntsch and F. Schäfers (2006). "Broadband multilayer polarizers for the extreme ultraviolet." *Journal of Applied Physics* 99(5).
- Wang, Z. S., H. C. Wang, J. T. Zhu, Y. Xu, S. M. Zhang, C. X. Li, F. L. Wang, Z. Zhang, Y. R. Wu, X. B. Cheng, L. Y. Chen, A. G. Michette, S. J. Pfauntsch, A. K. Powell, F. Schafers, A. Gaupp and M. MacDonald (2006). "Extreme ultraviolet broadband Mo/Y multilayer analyzers." *Applied Physics Letters* 89(24).
- Weidner, T. (2006). Selbstorganisierte Monolagen starrer tripodaler Liganden auf Goldoberflächen, Universität Kassel.
- Weidner, T., A. Kramer, C. Bruhn, M. Zharnikov, A. Shaporenko, U. Siemeling and F. Trager (2006). "Novel tripod ligands for prickly self-assembled monolayers." *Dalton Transactions*(23): 2767-2777.
- Weinhardt, L., O. Fuchs, A. Peter, E. Umbach, C. Heske, J. Reichardt, M. Bar, I. Laueremann, I. Kotschau, A. Grimm, S. Sokoll, M. C. Lux-Steiner, T. P. Niesen, S. Visbeck and F. Karg (2006). "Spectroscopic investigation of the deeply buried Cu(In,Ga)(S,Se)(2)/Mo interface in thin-film solar cells." *Journal of Chemical Physics* 124(7).
- Wende, H., C. Sorg, M. Bernien, A. Scherz, P. J. Jensen, N. Ponpandian and K. Baberschke (2006). "Spin fluctuations in coupled two-dimensional magnetic trilayers." *Physica Status Solidi B-Basic Solid State Physics* 243(1): 165-168.
- Wernicke, G., J. Frank, H. Gruber, M. Dürr, A. Langner, S. Eisebitt, C. Günther, L. Bouamama, S. Krüger and A. Hermerschmidt (2006). Applications of the high-resolution optical reconstruction of digital holograms. Proceedings of SPIE - The International Society for Optical Engineering.
- Wiedwald, U. (2007). "Lowering of the L10 ordering temperature of FePt nanoparticles by He+ ion." *Applied Physics Letters* 90(6): 062508-1-062508-3.
- Wilke, M., F. Farges, G. M. Partzsch, C. Schmidt and H. Behrens (2007). "Speciation of Fe in silicate glasses and melts by in-situ XANES spectroscopy." *American Mineralogist* 92(1): 44-56.
- Wilke, M., C. Schmidt, F. Farges, V. Malavergne, L. Gautron, A. Simionovici, M. Hahn and P. E. Petit (2006). "Structural environment of iron in hydrous aluminosilicate glass and melt-evidence from X-ray absorption spectroscopy." *Chemical Geology* 229(1-3): 144-161.
- Willneff, E. A., S. Braun, D. Rosenthal, H. Bluhm, M. Havecker, E. Kleimenov, A. Knop-Gericke, R. Schlogl and S. L. M. Schroeder (2006). "Dynamic electronic structure of a Au/TiO2 catalyst under reaction conditions." *Journal of the American Chemical Society* 128(37): 12052-12053.
- Winter, B., S. Berkebile, J. Ivanco, G. Koller, F. P. Netzer and M. G. Ramsey (2006). "Oxygen induced molecular reorientation on aluminum." *Applied Physics Letters* 88(25).
- Winzer, A. T., G. Gobsch, R. Goldhahn, D. Fuhrmann, A. Hangleiter, A. Dadgar and A. Krost (2006). "Influence of excitons and electric fields on the dielectric function of GaN: Theory and experiment." *Physical Review B* 74(12).
- Wurmehl, S. (2006). Spin Polarised Heusler Compounds, Johannes Gutenberg - Universität, Mainz.
- Wurmehl, S., G. H. Fecher, K. Kroth, F. Kronast, H. A. Dürr, Y. Takeda, Y. Saitoh, K. Kobayashi, H. J. Lin, G. Schönhense and C. Felser (2006). "Electronic structure and spectroscopy of the quaternary Heusler alloy Co2Cr1-xFexAl." *Journal of Physics D-Applied Physics* 39(5): 803-815.
- Zabolotnyy, V. B., S. V. Borisenko, A. A. Kordyuk, J. Fink, J. Geck, A. Koitzsch, M. Knupfer, B. Buchner, H. Berger, A. Erb, C. T. Lin, B. Keimer and R. Follath (2006). "Effect of Zn and Ni impurities on the quasiparticle renormalization of superconducting Bi-2212." *Physical Review Letters* 96(3).

Zarkadas, C., A. G. Karydas, M. Muller and B. Beckhoff (2006). "X-ray resonant Raman scattering on Ni employing polarized and unpolarized exciting radiation." *Spectrochimica Acta Part B-Atomic Spectroscopy* 61 (2): 189-195.

Zemlyanov, D., B. Aszalos-Kiss, E. Kleimenov, D. Teschner, S. Zafeiratos, M. Havecker, A. Knop-Gericke, R. Schlogl, H. Gabasch, W. Unterberger, K. Hayek and B. Koltzer (2006). "In situ XPS study of Pd(111) oxidation. Part 1: 2D oxide formation in 10(-3) mbar O-2." *Surface Science* 600(5): 983-994.

Zickler, G. A. (2006). Structure and mechanical properties of carbon- and silica-based nanomaterials, University of Leoben (Austria).

Zimina, A., S. Eisebitt, W. Eberhardt, J. Heitmann and M. Zacharias (2006). "Electronic structure and chemical environment of silicon nanoclusters embedded in a silicon dioxide matrix." *Applied Physics Letters* 88(16).

Zou, Y., L. Kilian, A. Scholl, T. Schmidt, R. Fink and E. Umbach (2006). "Chemical bonding of PTCDA on Ag surfaces and the formation of interface states." *Surface Science* 600(6): 1240-1251.

Zubavichus, Y., A. Shaporenko, M. Grunze and M. Zharnikov (2006). "Solid-state near-edge X-ray absorption fine structure spectra of glycine in various charge states." *Journal of Physical Chemistry B* 110(7): 3420-3427.

Zubavichus, Y., M. Zharnikov, Y. J. Yang, O. Fuchs, E. Umbach, C. Heske and M. Grunze (2006). "Oxygen K-edge X-ray absorption fine structure studies of vacuum-deposited ice films." *Langmuir* 22(17): 7241-7247.
