

## Publications in Periodicals

*K.E. Aasmundtveit, E.J. Samuelsen, M. Guldstein, C. Steinsland, O. Flornes, C. Fagermo, T.M. Seeberg, L.A.A. Pettersson, O. Inganäs, R. Feidenhans'l, S. Ferrer*

Structural anisotropy of poly(Aalkylthinophene) films

Macromolecules, accepted, (1999)

*K.E. Aasmundtveit, E.J. Samuelsen, L.A.A. Petersen, O. Inganäs, T. Johannsen, R. Feidenhans'l*

Structure of thin films of poly(3,4-ethylenedioxythiophene)

Synth. Metals, 101 , 561 (1999)

*B. Adams, P. Fernandez, W.-K. Lee, G. Materlik, D.M. Mills*

Parametric down conversion of x-ray photons

J. Synchrotron Rad., in press, (1999)

*B. Adams, T. Hiort, E. Kossel, G. Materlik, Y. Nishino, D.V. Novikov*

X-ray fluorescence holography in theory and experiment

phys. stat. sol. (b), 215 , 757 (1999)

*B. Adams, Y. Nishino, G. Materlik*

A novel experimental technique for atomic x-ray holography

J. Synchrotron Rad., in press, (1999)

*R. Adelung, J. Brandt, L. Tarcak, L. Kipp, M. Skibowski*

Interplay between Nanowire Networks and Charge Density Waves on 1T-TaS<sub>2</sub> Surfaces

Appl. Surf. Sci., in press, (1999)

*R. Adelung, L. Kipp, J. Brandt, L. Tarcak, M. Traving, C. Kreis, M. Skibowski*

Nanowire networks on perfectly flat surfaces

Appl. Phys. Lett., 74 , 3053 (1999)

*M. Albrecht, H. Antesberger, W. Moritz, H. Plöckl, M. Sieber, D. Wolf*

Six-circle diffractometer for surface diffraction using an in-vacuum X-ray detector

Rev. Sci. Instr., 70 , 3239 (1999)

*N. Alonso-Vante, P. Borthen, M. Fieber-Erdmann, H.-H. Strehblow, E. Holub-Krappe*

Evidence for the Surface Structure Dynamics in Electrocatalysis on Cluster-Like Materials: An In Situ Reflection EXAFS Study

J. Electroanal. Chem., submitted, (1999)

*L.G. Andersen, H.F. Poulsen, T. Frello, N.H. Andersen, M. von Zimmermann*

Cooling behavior of BSCCO/Ag tapes

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*N.H. Andersen, M. von Zimmermann, T. Frello, M. Käll, D. Monster, P.-A. Lindgard, J. Madsen, T. Niemöller, H.F. Poulsen, O. Schmidt, J.R. Schneider, Th. Wolf, P. Dosanjh, R. Liang, W.N. Hardy*

Superstructure formation and the structural phase diagram of YBa<sub>2</sub>Cu<sub>3</sub>O<sub>6+x</sub>

Physica C, 317-318 , 259 (1999)

*A. Anedda, C.M. Carbonaro, R. Corpino*

Vacuum ultraviolet absorption in silica samples

J. Non-Cryst. Solids, 245 , 183 (1999)

*R.J. Angel, U. Bismayer*

Renormalisation of the phase transition in lead phosphate,  $Pb_3(PO_4)_2$ , by high pressure: lattice parameters and spontaneous strain

Acta. Cryst. B, 55 , 896 (1999)

*I. Arcon, B. Malic, A. Kodre, M. Kosec*

EXAFS study of Zr environment in amorphous precursors of  $Pb(Zr,Ti)O_3$

J. Synchrotron Rad., 6 , 535 (1999)

*I. Arcon, N. Ogrinc, A. Kodre, J. Faganelli*

EXAFS and XANES characterization of sedimentary iron in the Gulf of Trieste (N. Adriatic)

J. Synchrotron Rad., 6 , 659 (1999)

*I. Arcon, N. Rajic, A. Kodre*

EXAFS and XANES study of the incorporation of Mn cations into a chabazite-like AIPO molecular sieve

J. Synchrotron Rad., 6 , 460 (1999)

*S. Asbrink, J.S. Olsen, L. Gerward, A. Waskowska*

High pressure diffraction study of the spinels oxides  $NiMn_2O_4$  and  $ZnMn_2O_4$

Materials Science Forum, in press, (1999)

*S. Asbrink,*

*A. Waskowska, H.-G. Krane, L. Gerward, J. Staun Olsen*

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J. Appl. Cryst., 32 , 174 (1999)

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*A. Waskowska, L. Gerward, J. Staun Olsen, E. Talik*

High-pressure phase transition and properties of spinel  $ZnMn_2O_4$

Phys. Rev. B , 60 , 12 651 (1999)

*C.C. Ashley, M.A. Bagni, G. Cecchi, P.J. Griffiths, G.Rapp*

Cross-bridge distortion by step release, and its reversal by restretch, in skeletal muscle from *Rana temporaria*

J. Physiol., in press, (1999)

*C.C. Ashley, A. Bagni, G. Cecchi, P.J. Griffiths, G. Rapp*

Submillisecond changes in myosin lattice spacing resulting from rapid length changes

J. Mol. Biol., 285 , 431 (1999)

*J. Augustin, Th. Böker, W. Frentrup, H. Dwelk, C. Janowitz, V. Eyert, R. Manzke*

Electronic band structure of the layered compound  $td-WTe_2$

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*A.S. Avilov, A.K. Kulygin, U. Pietsch, J.C.H. Spence, V.G. Tsirelson, J.M. Zuo*

Improved scanning system for high-energy electron diffractometry

J. Appl. Cryst., 32 , 1033 (1999)

*F. B. Rasmussen, A.M. Molenbroek, B.S. Clausen, R. Feidenhans'l*

Particle size distribution of an  $Ni/SiO_2$  catalyDetermined by ASAXS

J. Catal., in press, (1999)

*B. Bagautdinov, K. Pilz, J. Lüdecke, S. van Smaalen*

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*G. Baldini, S. Beretta, G. Chirico, H. Franz, E. Maccioni, P. Mariani, F. Spinozz*

Salt-induced association of lactoglobulin by light and x-ray scattering

Macromolecules, in press, (1999)

*F.J. Balta-Calleja, M. Cruz Garcia, D.R. Rueda, S. Piccarolo*

Density fluctuations in poly(ethylene) quenched from the melt at high cooling rates: microhardness study

Polymer, submitted, (1999)

*J. Bauch, J. Brechbühl, H.-J. Ullrich, G. Meinel, H. Lin, W. Kebede*

Innovative analysis of x-ray microdiffraction images on selected applications of the Kossel technique

Cryst. Res. Technol., 34 , 71 (1999)

*F. Beckmann, U. Bonse, T. Biermann*

New developments in attenuation and phase-contrast microtomography using synchrotron radiation with low and high photon energies

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Photoelectron scattering in molecules and fullerenes

J. Electr. Spectrosc., in press, (1999)

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Biophys. J., 76 , 98 (1999)

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Helium double photoionization and Compton scattering: a showcase for electron correlation

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Catalysis Today, 59 , 485 (1999)

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Use of diastereomeric interactions to probe the inplane attachment of water-soluble molecules to the polar head groups of Langmuir films of Cu-alpha-amino acid complexes

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*U. Bismayer, H.-W. Meyer, M. Zhuang, E. Salje, L. Groat, G. Van Tendeloo*

A structural study of titanite and malayaite: The 500 K anomaly

Z. Krist. Suppl., 16 , 111 (1999)

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Phase Transition, 68 , 545 (1999)

*W. Blank C. Dujardin, J.C. Gacon, C. Pedrini, B. Moine, A.N. Belsky, I. Kamenskikh, M. Kirm, G. Zimmerer*

On the role of the 4f-Lu level in the scintillation mechanisms of cerium-doped Lutetium-based fluoride crystals

J. Rad. Effects Defects in Solids, 150 , 41 (1999)

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Z. Krist., 214 , 351 (1999)

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Valence band structure of  $\alpha$ -MoTe<sub>2</sub> by angular resolved photoelectron spectroscopy in the constant final state mode

Phys. Rev. B, 60 , 4675 (1999)

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A new approach for QEXAFS data acquisition

J. Synchrotron Rad., 6 , 209 (1999)

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J. Phys. Chem., submitted, (1999)

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Experimental evidence of different contributions to the photoluminescence at 4.4 eV in synthetic silica

J. Phys.: Condens. Matter, 11 , 721 (1999)

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Short-range order in a thin film of decagonal Al-Co-Ni quasicrystal: calculated from a structure model and measured with EXAFS

J. Alloys & Compounds, 287 , 12 (1999)

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Measurements of residual stresses in micron regions by using Synchrotron Excited KOSSEL diffraction

Crystal Res. Technol., 34 , 59 (1999)

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Appl. Phys. Lett., in press, (1999)

*V. Brucato, V. La Carrubba, S. Piccarolo, G. Titomanlio*

Polymer solidification under pressure and high cooling rates

Intern. Polym. Processing, in press, (1999)

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Surf. Inv.: X-Ray, Synchrotron & Neutron 8-9 , 112 (1999)

*P. Buchner, D. Lützenkirchen-Hecht, J. Uhlenbusch, H.-H. Strehblow,*

Production and characterization of nanosized Cu/O/SiC composite particles in a thermal rf plasma reactor

J. Mat. Sci., in press, (1999)

*B. Bühn, A.H. Rankin, M. Haller, M. Radtke, A. Knöchel*

Burbankite, a Sr,REE,Na,Ca-carbonate in fluid inclusions from carbonatite-derived fluids: identification and characterization using laser Raman spectroscopy, SEM-EDX and synchrotron micro-XRF analysis

Am. Mineralogist, 84 , 1117 (1999)

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X-ray absorption investigation on the ternary system lithium manganese oxide

Solid State Ionics, in press, (1999)

*O. Bunk, G. Falkenberg, J.H. Zeysing, R.L. Johnson, M. Nielsen, R. Feidenhans'l*

Comment on "Structural model for the Si(001) 4x3- In surface phase"

Phys. Rev. B, 60 , 13905 (1999)

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Structure determination of the indium-induced Ge(103)-(1X1) reconstruction by surface x-ray diffraction

Appl. Surf. Sci., 142 , 88 (1999)

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Structure determination of the indium-induced Ge (103) - (1x1) reconstruction by surface X-ray diffraction

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*O. Bunk, F. Falkenberg, J.H. Zeysing, L. Lottermoser, R.L. Johnson, M. Nielsen, F. Berg-Rasmussen, J. Baker, R. Feidenhans'l*

Structure determination of the indium-induced Si(111)-(4x1) reconstruction by surface x-ray diffraction

Phys. Rev. B, 59 , 12 228 (1999)

*O. Bunk, J.H. Zeysing, G. Falkenberg, R.L. Johnson, M. Nielsen, M.M. Nielsen, R. Feidenhans'l*

Phase transitions in two dimensions: the case of Sn adsorbed on Ge(111) surfaces

Phys. Rev. Lett., 83 , 2226 (1999)

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Phase transitions in two dimensions: The case of Sn adsorbed on Ge (111) surfaces

Phys. Rev. Lett., 83 , 2226 (1999)

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Isothermal crystallization of nylon6/liquid crystal copolyester blends

Polymer, 40 , 4259 (1999)

*M. Cannas, M. Barbera, R. Boscaino, A. Collura, F.M. Gelardi, S. Varisco*

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Stud. Surf. Sci. Catal., 127 , 421 (1999)

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*G. Cecchi, A. Bagni, G. Rapp, P.J. Griffith, C.C. Ashley*

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Topics in Catalysis, in press, (1999)

*H. Dau, J. Dittmer, M. Epple, J. Hanss, E. Kiss, D. Rehder, C. Schulzke, H. Vilter*

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Structural Transformations in a Simple Hexagonal Hg-Sn Alloy under Pressure

Phys. Rev. B, 59 , 6058 (1999)

*V. Demuth, H.P. Strunk, D. Wörle, C. Kumpf, E. Burkel, M. Schulz*

Formation of amorphous layers by solid-state reaction from polycrystalline thin Ir films on Si(100)

J. Appl. Phys., submitted, (1999)

*M.A. Denecke, D. Bublitz, J.I. Kim, H. Moll, I. Farkes*

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Observation of capillary waves on liquid thin films from mesoscopic to atomic length scales

Phys. Rev. Lett., 83 , 3470 (1999)

*S.A. Dolgov, M. Kirm, T. Kärner, A. Lushchik, A. Maaros*

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Phys. Scri., 59 , 481 (1999)

*G. Dreezen, M.H.J. Koch, H. Reynaers, G. Groeninckx*

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Polymer, 40 , 6451 (1999)

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*W. Drozdowski, A.J. Wojtowicz*

Radiative recombination in BaF<sub>2</sub>:Pr

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*T. Dümmer, B. Eigenmann, M. Stüber, H. Leiste, D. Löhe, H. Müller, O. Vöhringer*

Depth-resolved x-ray analysis of residual stresses in graded PVD-coatings of Ti(C,N)

Erratum Z. Metallkd., 90-12 , 1091 (1999)

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The crystal structure of Tm<sub>5</sub>Re<sub>2</sub>O<sub>12</sub>  
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*J. Europ. Ceramic Soc.*, in press, (1999)



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