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Veröffentlichungen

- P.A. ALEKSEEV ET AL.
Magnetic spectral response and lattice properties in mixed-valence $\text{Sm}_{1-x}\text{Y}_x\text{S}$ solid solutions studied with x-ray diffraction, x-ray absorption spectroscopy, and inelastic neutron scattering.
Phys. Rev. B 74 (2006) 035114
- N. ALIOUANE, D.N. ARGYRIOU, J. STREMPFER, I. ZEGKINOGLU, S. LANDSGESELL, M. V. ZIMMERMANN
Field-induced linear magnetoelastic coupling in multiferroic TbMnO_3 .
Phys. Rev. B 73 (2006) 020102(R)
- M. ALTMAIER, V. NECK, M.A. DENECKE, R. YIN, T. FANGHAENEL
Solubility of $\text{ThO}_2 \cdot \text{H}_2\text{O}(\text{am})$ and formation of ternary Th(IV) hydroxide-carbonate complexes in $\text{NaHCO}_3 - \text{Na}_2\text{CO}_3 - \text{NaOH} - \text{NaCl}$ solutions: The effect of ionic strength.
Radiochim. Acta 94 (2006) 495
- N.H. ANDERSEN, J. JENSEN, T.B.S. JENSEN, M. V. ZIMMERMANN, R. PINHOLT, A.B. ABRAHAMSEN, K. NØRGAARD TOFT, P. HEDEGÅRD, P.C. CANFIELD
Phonon-induced quadrupolar ordering of the magnetic superconductor $\text{TmNi}_2\text{B}_2\text{C}$.
Phys. Rev. B 73 (2006) 1
- J.W. ANDREASEN, F.B. RASMUSSEN, S. HELVEG, A.M. MOLENBROEK, K. STAAHL, M.M. NIELSEN, R. FEIDENHANS'L
Activation of a Cu/ZnO catalyst for the methanol synthesis.
J. Appl. Crystallogr. 39 (2006) 221
- J.W. ANDREASEN, F.B. RASMUSSEN, S. HELVEG, A. MOLENBROEK, K. STAHL, M.M. NIELSEN, R. FEIDENHANS'L
Activation of a Cu/ZnO catalyst for methanol synthesis.
J. Appl. Crystallogr. 39 (2006) 209
- A. ANEDDA, C.M. CARONARO, D. CHIRIU, R. CORPINO, M. MARCEDDU, P.C. RICCI
Electron-phonon coupling in iron-doped yttrium aluminum garnet.
Phys. Rev. B 74 (2006) 245108
- O. ANTONENKO, O. CHUKOVA, YU. HIZHNYI, S. NEDILKO, V. SCHERBATSKYI
Luminescent characterization of lead tungstate crystals doped with europium, praseodymium, and ytterbium ions.
Opt. Mater. 28 (2006) 643
- I. ARAMBURU, K. FRIESE, J.M. PEREZ-MATO, W. MORGENROTH, M. AROYO, T. BRECZEWSKI, G. MADARIAGA
Modulated structure of Rb_2ZnCl_4 in the solition regime close to the lock-in phase transition.
Phys. Rev. B 73 (2006)
- I. ARCON, A. PASTRELLO, L. CATALANO, M. DE NOBILI, L. LEITA
Interaction between Fe-cyanide complex and humic acids.
Environmental Chem. Letters 4 (2006) 1
- M. ARMBRUESTER, K. KOVNIR, J. OSSWALD, R. GIEDIGKEIT, T. RESSLER, Y. GRIN, R. SCHLOEGL
PdGa – ein selektiver Katalysator fuer die Semihydrierung von Acetylen.
Z. Anorg. Allg. Chem. 632 (2006) 2083
- J. ARRANZ-ANDRES, R. BENAVENTE, M.R. RIBEIRO, E. PEREZ, M.L. CERRADA
Evolution of a Metallocenic sPP with Time: Changes in Crystalline Content and Enthalpic Relaxation.
Macromol. Chem. Phys. 207 (2006) 1564 and RII3-CT-2004-506008
- K. ASSMUS, W. HÜBNER, A. PYZALLA, H. PINTO
Structure transformations in CrNi steels under tribological stressing at low temperatures.
Tribotest 12 (2006) 159
- M. AY, A. NEFEDOV, H. ZABEL
Different growth modes of Au films on ZnO(000-1).
Surf. Sci. 600 (2006) 5062
- M. AY, A. NEFEDOV, S. GIL GIROL, CH. WÖLL, H. ZABEL
Determination of the surface termination of the ZnO films grown on (0001)- and (11-20)-oriented Al_2O_3 .
Thin Solid Films 510 (2006) 346
- V. AYVAZIAN ET AL.
First operation of a free-electron laser generating GW power radiation at 32 nm wavelength.
Eur. Phys. J. D 37 (2006) 297 and SLAC-PUB-12114
- R. BACEWICZ, J. ANTONOWICZ
XAFS study of Al-RE alloys.
Scr. Mater. 54 (2006) 1187
- J. BAK-MISIUK, K. ORLINSKA, J. KANIEWSKI, A. SHALIMOV, E. LUSAKOWSKA, A. MISIUK, J. MUSZALSKI, W. WIERZCHOWSKI, K. WIETESKA, W. GRAEFF
Structural characterization of InGaAs/InP layers under different stresses.
Appl. Surf. Sci. 253 (2006) 261
- M. BANDYOPADHYAY, O. KORSACK, M.W.E. VAN DEN BERG, W. GRUENERT, A. BIRKNER, W. LI, F. SCHUETH, H. GIES
Gold nano-particles stabilized in mesoporous silica as active CO-oxidation catalyst.
Micropor. Mesopor. Mat. 89 (2006) 158

- C.F. BARBATTI, F. SKET, J. GARCIA, A. PYZALLA
Influence of binder metal and surface treatment on the corrosion resistance of (W,Ti)C-based hardmetals.
Surf. Coat. Technol. 201 (2006) 3327
- E. BAUER, E. MAURER, T. MEHADDENE, S.V. ROTH, P. MÜLLER-BUSCHBAUM
Flow in confined geometry introduced by dewetting of ultra thin polystyrene films.
Macromol. 39 (2006) 5087
- M. BAUER, C. GASTL, C. KÖPPL, G. KICKELBICK, H. BERTAGNOLLI
EXAFS Spectroscopy of the Alkoxide Precursor Zr(OBu)₄ and its Modification in Solution.
Monatshefte Chem./Chem. Mon. 137 (2006) 567
- R.K. BAYER, F.J. BALTA-CALLEJA
Nanostructure development in wet amorphous amylopectin as revealed by in situ X-ray scattering methods.
J. Appl. Polym. Sci. 100 (2006) 3839
- Nanostructure of potato starch Part I: Early stages of retrogradation of amorphous starch in a humid atmosphere as revealed by simultaneous SAXS and WAXS.
Int. J. Polym. Mater. 55 (2006) 773
- R.K. BAYER, M.E. CAGIAO, F.J. BALTA-CALLEJA
Structure Development in Amorphous Starch as revealed by X-ray Scattering: Influence of the network structure and water content.
J. Appl. Polym. Sci. 99 (2006) 1896
- A.M. BEALE, D. GRANDJEAN, J. KONATOWSKI, P. GLATZEL, F.M.F. DE GROOT, B.M. WECKHUYSEN
Unusual coordination behaviour of Cr³⁺ in microporous aluminophosphates.
J. Phys. Chem. B 110 (2006) 762
- U. BECKER
Der Doppelspalt-Versuch an Molekülen.
Phys. Unserer Zeit 37 (2006) 7
- J. BEDNARČIK, E. BURKEL, K. SAKSL, P. KOLLÁR, S. ROTH
Mechanically induced crystallization of an amorphous CoFeZrB alloy.
J. Appl. Phys. 100 (2006) 014903
- M. BEHRENS, J. TOMFORDE, E. MAY, W. BENSCH, D. HÄUSSLER, W. JÄGER
A study of the reactivity of elemental Cr/Se/Te thin multilayers using X-ray reflectometry, in situ X-ray diffraction and X-ray absorption spectroscopy.
Journal of Solid State Chemistry 179 (2006) 3330
- M. BEHRENS, R. KIEBACH, J. OPHEY, O. RIEMENSCHNEIDER, W. BENSCH
The Reaction Mechanism of a Complex Intercalation System: In Situ X-Ray Diffraction Studies of the Chemical and Electrochemical Lithium Intercalation in Cr₄TiSe₈.
Chem. Eur. J. 333 (2006) 6348
- I.V. BEREZOVSKAYA, N.P. EFRYUSHINA, A.S. VOLOSHINOVSKII, G.B. STRYGANYUK, P.V. PIR, V.P. DOTSENKO
Luminescence of europium and ytterbium ions in strontium hexaborate.
J. Appl. Spectrosc. 73 (2006) 425
- I.V. BEREZOVSKAYA, N.P. EFRYUSHINA, P.A. RODNY, A.S. VOLOSHINOVSKI, V.P. DOTSENKO
Luminescence of Calcium Orthoborate Doped by Ce³⁺ Ions.
Opt. Spectrosc. 101 (2006) 961
- T.G. BERGER, A. LEINWEBER, E.J. MITTEMEIJER, M. KNAPP
Investigation of decomposition of the PdBy solid solution by time-resolved X-ray powder diffraction.
Z. Kristallogr. 23 (2006) 443
- A. BERGMANN, J. GRABIS, A. NEFEDOV, K. WESTERHOLT, H. ZABEL
X-ray resonant magnetic scattering study of [Co₂MnGe/Au]_n and [Co₂MnGe/V]_n multilayers.
J. Phys. D 39 (2006) 900
- A. BERNAUS, X. GAONA, J.M. ESBRI, P. HIGUERAS, G. FALKENBERG, M. VALIENTE
Microprobe Techniques for Speciation Analysis and Geochemical Characterization of Mine Environments: The Mercury District of Almaden in Spain.
Environ. Sci. Technol. 40 (2006) 4090
- A. BERNAUS, X. GAONAA, D. VAN REE, M. VALIENTE
Determination of mercury in polluted soils surrounding a chlor-alkali plant. Direct speciation by X-ray absorption spectroscopy techniques and preliminary geochemical characterisation of the area.
Anal. Chim. Acta 565 (2006) 73
- A. BESSIERE, P. DORENBOS, C.W.E. VAN EIJK, K.W. KRÄMER, H.U. GÜDEL, A. GALTAYRIES
Scintillation and anomalous emission in elpasolite Cs₂LiLuCl₆:Ce³⁺.
J. Lumin. 117 (2006) 198
- G.L. BEZEMER, J.H. BITTER, H.P.C.E. KUIPERS, H. OOSTERBEEK, J.E. HOLEWIJN, X. XU, F. KAPTEIJN, A.J. VAN DILLEN, K.P. DE JONG
Cobalt particle size effects in the Fischer-Tropsch reaction studied with carbon nanofiber supported catalysts.
J. Am. Chem. Soc. 128 (2006) 3964
- N. BINGGELI, M. ALTARELLI
Surface Reactivity and Quantum-Size Effects on the Electronic Density Decay Length of Ultrathin Metal Films.
Phys. Rev. Lett. 96 (2006) 036805
- M.D. BIROWOSUTO, P. DORENBOS, C.W.E. VAN EIJK, K.W. KRÄMER, H.U. GÜDEL
Scintillation properties and anomalous Ce³⁺ emission of Cs₂NaREBr₆:Ce³⁺ (RE=La, Y, Lu).
J. Lumin. 18 (2006) 6148

- C. BITTENCOURT, A. FELTEN, B. DOUHARD, J. GHIJSEN, R.L. JOHNSON, W. DRUBE, J.-J. PIREAUX
Photoemission studies of gold clusters thermally evaporated on multiwall carbon nanotubes.
Chem. Phys. 328 (2006) 391
- L.A. BLAGININA, A.F. ZATSEPIN, A.I. KUKHARENKO, V.A. PUSTOVAROV, YU.N. NOVOSELOV, S.O. CHOLAKH, V.YU. YAKOVLEV
Luminescence of neutron-irradiated crystals Be_2SiO_4 and Be_2GeO_4 .
Russian Physics Journal 10 (2006) 378
- S. BLUMSTENGEL, N. KOCH, S. DUHM, H. GLOWATZKI, C. XU, J.P. RABE, F. HENNEBERGER, R.L. JOHNSON, A. YASSAR
Morphology, interfacial electronic structure and optical properties of oligothiophenes grown on $\text{ZnSe}(100)$ by molecular beam deposition.
Phys. Rev. B 73 (2006) 165323
- R. BOUZA, C. MARCO, Z. MARTIN, M.A. GOMEZ, G. ELLIS, L. BARRAL
The dynamic crystallization of polypropylene and wood based composites.
J. Appl. Polym. Sci. 102 (2006) 6036
- C. BRINKMANN, M. WEISS, E. WECKERT
Structure of the hexagonal modification of hen-egg white lysozyme.
Acta Crystallogr. D D62 (2006) 349
- H.-G. BROKMEIER, L. LENSER, R. SCHWARZER, V. VENTZKE, S. RIEKEHR, M. KOÇAK, J. HOMEYER
Crystallographic texture of dissimilar laser welded Al5083-Al6013 sheets.
Mater. Sci. Forum 539-543 (2006) 3899
- O. BRUNKE, S. ODENBACH, R. JURGONS, C. ALEXIOU, I. HILGER, F. BECKMANN
Determination of the magnetic particle distribution in tumour tissue by means of x-ray tomography.
J. Phys. Condens. Matter 18 (2006) S2917
- S. BUDNYK, F. WEITZER, C. KUBATA, Y. PROTS, L.G. AKSELRUD, W. SCHNELLE, K. HIEBL, R. NESPER, F.R. WAGNER, Y. GRIN
Barrelane-like germanium cluster in Eu_3Ba_5 : Crystal structure, chemical bonding and physical properties.
Journal of Solid State Chemistry 179 (2006) 2329
- E. BULSKA, I.A. WYSOCKA, M. WIERZBICKA, K. PROOST, K. JANSSENS, G. FALKENBERG
In-vivo investigation of the distribution and the local speciation of selenium in *Allium cepa* L. by means of confocal μ -XRF and μ -XANES.
Anal. Chem. 78 (2006) 7624
- E. BUS, J.T. MILLER, A.J. KROPPF, R. PRINS, J.A. VAN BOKHOVEN
Analysis of in-situ EXAFS data of supported metal catalysts using the third and fourth cumulant.
Phys. Chem. Chem. Phys. 177 (2006) 3248
- P. BUSCH, M. RAUSCHER, D.-M. SMILGIES, D. POSSELT, C.M. PAPADAKIS
Grazing-incidence small-angle X-ray scattering (GISAXS) from thin, nanostructured block copolymer films – The scattering cross-section in the distorted-wave Born approximation.
J. Appl. Crystallogr. 39 (2006) 442
- J.-L. CAO, A. SOLBACH, U. KLEMRADT, T. WEIRICH, J. MAYER, H. HORN-SOLLE, U. BÖTTGER, P.J. SCHORN, T. SCHNELLER, R. WASER
Structural investigations of Pt/TiO_x electrode stacks for ferroelectric thin film devices.
J. Appl. Phys. 99 (2006) 114107
- J.-L. CAO, A. SOLBACH, U. KLEMRADT, T. WEIRICH, J. MAYER, U. BÖTTGER, P.J. SCHORN, R. WASER
Density inhomogeneity in ferroelectric thin films.
Appl. Phys. Lett. 89 (2006) 052901
- J.-L. CAO, A. SOLBACH, U. KLEMRADT, T. WEIRICH, J. MAYER, U. BÖTTGER, U. ELLERKMANN, P.J. SCHORN, P. GERBER, R. WASER
Effects of thermal annealing on the structure of ferroelectric thin films.
J. Am. Ceram. Soc. 89 (2006) 1321
- Q.P. CAO, J.F. LI, Y.H. ZHOU, A. HORSEWELL, J.Z. JIANG
Effect of rolling deformation on the microstructure of bulk $\text{Cu}_{60}\text{Zr}_{20}\text{Ti}_{20}$ metallic glass and its crystallization.
Acta Mater 54 (2006) 4379
- M.J. CAPITÁN, J. ÁLVAREZ, J.J. CALVENTE, R. ANDREU
Onset of crystalline order in 1-nonanethiol monolayers deposited from solution.
Angew Chem 45 (2006) 6169
- M. CARAVATI, D.M. MEIER, J.-D. GRUNWALDT, A. BAIKER
Continuous catalytic oxidation of solid alcohols in supercritical CO_2 : A parametric and spectroscopic study of the transformation of cinnamyl alcohol $\text{Pd}/\text{Al}_2\text{O}_3$.
Journal of Catalysis 240 (2006) 126 and II-06-066
- A. CARLSSON, A. PUIG-MOLINA, T.V.W. JANSSENS
New method for analysis of nanoparticle geometry in supported fcc metal catalysts using scanning transmission electron microscopy.
J. Phys. Chem. B 110 (2006) 5293
- M. CASAPU, J.-D. GRUNWALDT, M. MACIEJEWSKI, M. WITTRÖCK, U. GOBEL, A. BAIKER
Formation and Stability of Barium Aluminate and Cerate in NO_x Storage-Reduction Catalysts.
Appl Catal B 62 (2006) 232
- G. CATALAN, A. JANSSENS, G. RISPENS, S. CSISZAR, O. SEECK, G. RIJNDERS, D.H.A. BLANK, B. NOHEDA
Polar domains in lead titanate films under tensile strain.
Phys. Rev. Lett. 96 (2006) 127602

- S. CAVALLI, J.-W. HANDGROAF, E.E. TELLERS, D.C. POPESCU, M. OVERHAND, K. KJAER, V. VAISER, N.A.J.M. SOMMERDIJK, H. RAPAPORT, A. KROS
Two-Dimensional Ordered beta-Sheet Lipopeptide Monolayers.
J. Am. Chem. Soc. 128 (2006) 13959
- J.-F. CHANG, J. CLARK, N. ZHAO, H. SIRRINGHAUS, D.W. BREIBY, J.W. ANDREASEN, M.M. NIELSEN, M. GILES, M. HEENEY, I. MCCULLOCH
Molecular-weight dependence of interchain polaron delocalization and exciton bandwidth in high-mobility conjugated polymers.
Phys. Rev. B 74 (2006) 115318
- H.N. CHAPMAN ET AL.
Femtosecond diffractive imaging with a soft-X-ray free-electron laser.
Nature Physics 2 (2006) 843
- L. CHECINSKA, D. FÖRSTER, W. MORGENROTH, P. LUGER
Two modifications of L-alanyl-L-tyrosyl-L-alanine with the different solvent molecules in the crystal lattice.
Acta Crystallogr. C, Cryst. Struct. Commun. 62 (2006) 0454
- L. CHECINSKA, S. MEBS, C.B. HÜBSCHLE, D. FÖRSTER, W. MORGENROTH, P. LUGER
Reproducibility and transferability of topological data: experimental charge density study of two modifications of L-alanyl-L-tyrosyl-L-alanine.
Org. Biomol. Chem. 4 (2006) 3242
- L. CHEN, J. KAMPMANN, P.J. KLAR, W. HEIMBRODT, F.J. BRIELER, M. FROEBA
Concentration and size dependence of the dynamics of the Mn 3d⁵ luminescence in wire-like arrangements of (Zn,Mn)S nanoparticles.
Phys stat sol (B) 243 (2006) 839
- L. CHEN, P.J. KLAR, W. HEIMBRODT, T. KURZ, H.-A. KRUG VON NIDDA, A. LOIDL, A.V. KOUZEMA, M. FROEBA
(II,Mn)VI nanostructures in mesoporous silica hosts – from powder samples to thin films.
Phys stat sol (B) 243 (2006) 831
- Y. CHEN, B. LIU, M. KIRM, Z. QI, C. SHI, M. TRUE, S. VIELHAUER, G. ZIMMERER
Luminescent properties of blue-emitting long afterglow phosphors Sr_{2-x}Ca_xMgSi₂O₇:Eu²⁺, Dy³⁺ (x=0, 1).
J. Lumin. 118 (2006) 78
- J. CISTON, L.D. MARKS, R. FEIDENHANS'L, O. BUNK, G. FALKENBERG, E.M. LAURIDSEN
Experimental surface charge density of the Si(100)-2x1H surface.
Phys. Rev. B 74 (2006) 085401
- J. CIZEK, I. PROCHAZKA, G. BRAUER, W. ANWAND, A. MÜCKLICH, R. KIRCHHEIM, A. PUNDT, C. BÄHTZ, M. KNAPP
Defect Studies of Hydrogen-Loaded Thin Nb Films.
Appl. Surf. Sci. 252 (2006) 3244
- K. CLABORN, J.H. CEDERES, C. ISBORN, A. ZOZULYA, E. WECKERT, W. KAMINSKY, B. KAHR
Optical Rotation of Achiral Pentaerythritol.
J. Am. Chem. Soc. 128 (2006) 14746
- H.F. CLAUSEN, J. OVERGAARD, R.D. POULSEN, W. MORGENROTH, B.B. IVERSEN
An Eu-based metal-organic framework: poly[[tris(4-benzene-1,4-dicarboxylato) bis (2-N,N-diethylformamide)dieuropium(III)] 0.7-hydrate].
Acta Crystallogr. E, Struct. Rep. Online 62 (2006) m3335
- M. COKOJA, H. PARALA, M.K. SCHROETER, A. BIRKNER, M.W.E. VAN DEN BERG, K.V. KLEMENTIEV, W. GRUENERT, R.A. FISCHER
Nano-brass colloids: synthesis by co-hydrogenolysis [CpCu(PMe₃)] with [ZnCp*₂] and investigation of oxidation behaviour of α/β – CuZn nanoparticles.
J. Mater. Chem. 16 (2006) 2420
- J. CYBINSKA, J. LEGENDZIEWICZ, G. BOULON, A. BENSALAH, G. MEYER
Assignment of spectroscopic properties in praseodymium-doped and praseodymium/ytterbium – codoped ternary K₂LaX₅ halides.
Opt. Mater. 28 (2006) 52
- J. CYBINSKA, J. LEGENDZIEWICZ, J. HOLSA, M. LASTUSAARI, C. WICKLEDER, G. MEYER
Spectroscopic Investigation and Simulation of the Crystal Field Effect as well as Paramagnetic Behaviour of K₂La_{1-x}Pr_xC₁₅ Ternary Chlorides.
Opt. Mater. 29 (2006) 303
- M. DALSTRA, P.M. CATTANEO, F. BECKMANN
Synchrotron radiation-based microtomography of alveolar support tissues.
Orthodontics and Craniofacial Res. 9 (2006) 199
- J. DAVAASAMBUU, G. BUSSE, S. TECHERT
Aspects of the Photodimerization Mechanism of 2,4-Dichlorocinnamic Acid Studied by Kinetic Photocrystallography.
J. Phys. Chem. A 110 (2006) 3261
- M.E.A.Y. DE DOMPABLO, M. ALVAREZ-VERA, C. BAEHTZ, U. AMADOR
Structural Evolution of Li_{3+x}Fe(MoO₄)₃ upon Lithium Insertion in the Compositional Range 0 ≤ x ≤ 1.
J. Electrochem. Soc. 153 (2006) A275-A281
- J.L. DE LA FUENTE, M. FERNANDEZ-GARCIA, M.L. CERRADA, H.W. SPIESS, M. WILHELM
Small-angle X-ray scattering and linear melt rheology of poly(tert-butyl acrylate-g-styrene) graft copolymers.
Polymer 47 (2006) 1487 and RII3-CT-2004-506008
- R. DEMCHYNA, Y. PROTS, W. SCHNELLE, U. BURKHARDT, U. SCHWARZ
Crystal structures of (barium, europium) platinum trigermanium Ba_{1-x}Eu_xPtGe₃ (x = 0, 0.27, 1).
Z. Kristallogr. New Cryst. Struct. 221 (2006) 109

- N. DENCHEVA, Z. DENCHEV, M.J. OLIVEIRA, S.S. FUNARI
Relationship between Crystalline Structure and Mechanical Behavior in Isotropic and Oriented Polyamide 6.
J. Appl. Polym. Sci. 103 (2006) 2252
- M.A. DENECKE
Actinide Speciation using X-ray Spectroscopic Methods.
Coord. Chem. Rev. 250 (2006) 754
- T. DI LUCCIO, A.M. LAERA, L. TAPPER, S. KEMPTER, R. KRAUS, B. NICKEL
Controlled Nucleation and Growth of CdS Nanoparticles in a Polymer Matrix.
J. Phys. Chem. B 120 (2006) 12603
- I. DINCER, Y. ELERMAN, A. ELMALI, H. EHRENBERG, H. FUESS, C. BAEHTZ
Magneto-structural correlations in $\text{Pr}_{0.15}\text{Gd}_{0.85}\text{Mn}_2\text{Ge}_2$.
Solid State Communications 140 (2006) 245
- T. DONATH, F. BECKMANN, A. SCHREYER
Automated determination of the center of rotation in tomography data.
J. Opt. Soc. Am. A 23 (2006) 1048
- P. DORENBOS, E.V.D. VAN LOEF, A.P. VINK, E. VAN DER KOLK, C.W.E. VAN EIJK, K.W. KRÄMER, H.U. GÜDEL, W.M. HIGGINS, K.S. SHAH
Level location and spectroscopy of Ce^{3+} , Pr^{3+} , Er^{3+} , and Eu^{2+} in LaBr_3 .
J. Lumin. 117 (2006) 155
- S. DUHM, H. GLOWATZKI, R.L. JOHNSON, J.P. RABE, N. KOCH
The Influence of Alkyl Chain Substitution on Sexithienyl-Metal Interface Morphology and Energetics.
Appl. Phys. Lett. 88 (2006) 203109
- S. DUHM, H. GLOWATZKI, V. CIMPEANU, J. KLANKERMAYER, J.P. RABE, R.L. JOHNSON, N. KOCH
Weak Charge Transfer between an Acceptor Molecule and Metal Surfaces Enabling Organic/Metal Energy Level Tuning.
J. Phys. Chem. B 110 (2006) 21069
- S. DÜSTERER ET AL.
Spectroscopic characterization of vacuum ultraviolet free electron laser pulses.
Opt. Lett. 31 (2006) 1750
- C. EGE, M.K. RATAJCZAK, J. MAJEWSKI, K. KJAER, K.Y.C. LEE
Evidence for Lipid/Cholesterol Ordering in Model Lipid Membranes.
Biophys. J. 91 (2006) L01
- H. EHRENBERG, S. LAUBACH, P.C. SCHMIDT, R. MCSWEENEY, M. KNAPP, K.C. MISHRA
Investigation of Crystal Structure and Associated Electronic Structure of $\text{Sr}_6\text{BP}_5\text{O}_{20}$.
Journal of Solid State Chemistry 179 (2006) 968
- E. EIPER, K.J. MARTINSCHITZ, J. KECKES
Combined elastic strain and macroscopic stress characterization in polycrystalline Cu thin films.
Powder Diffr. 21 (2006) 25
- K. ELLMER, S. SEEGER, I. SIEBER, W. BOHNE, J. RÖHRICH, E. STRUB, R. MIENTUS
Reactive Magnetron Sputtering of Highly (001)-Textured WS_{2-x} Films: Influence of Ar^+ and Xe^+ Ion Bombardment.
Phys. Status Solidi A 203 (2006) 503
- K. ELLMER, S. SEEGER, I. SIEBER, W. BOHNE, J. ROEHRICH, E. STRUB, R. MIENTUS
Reactive Magnetron Sputtering of Highly (001)-Textured WS_{2-x} Films: Influence of Ar^+ and Xe^+ Ion Bombardment.
Phys. Status Solidi A 203 (2006) 503
- K. ELLMER, S. SEEGER, R. MIENTUS
Rapid crystallization of WS_2 films assisted by a thin nickel layer: An in situ energy-dispersive X-ray diffraction study.
Phys. Status Solidi A 203 (2006) 2462
- M.I. FARIA, F.C. RIZZO ASSUNCAO, S. PACIORNIK, T. WROBLEWSKI
Analysis of reactions in the Fe-Zn system through X-rays diffraction imaging processing.
ISIJ Int. Online 46 (2006) 1674
- U.E.A. FITTSCHEN ET AL.
A new method for the deposition of standard solutions in total reflection X-ray fluorescence spectrometry (TXRF) using pico-droplets generated by inkjet printers.
Spectrochim. Acta, Part B 61 (2006) 1104
- H. FRANZ ET AL.
PETRA III: DESY's New High Brilliance Third Generation Synchrotron Radiation Source.
Synchrotron Radiation News 19 (2006) 25
- A. FRIEDRICH, E. HAUSSUEHL, W. MORGENROTH, A. LIEB, B. WINKLER, K. KNORR, W. SCHNICK
Structure of the high-pressure phase of the oxonitridosilicate chloride $\text{Ce}_4[\text{Si}_4\text{O}-3+x\text{N}_{7-x}]\text{Cl}_{1-x}\text{O}-x, x 0.2$.
Acta Crystallogr. B, Struct. Sci. 62 (2006) 205
- A. FRÖMSDORF, R. CAPEK, S.V. ROTH
 μ -GISAXS experiment and simulation of a highly ordered model monolayer of PMMA-beads.
J. Phys. Chem. B 110 (2006) 15166
- J. GECK, M. V. ZIMMERMANN, H. BERGER, S.V. BORISENKO, H. ESCHRIG, K. KOEPERNIK, M. KNUPFER, B. BÜCHNER
Stripe correlations in $\text{Na}_{0.75}\text{CoO}_2$.
Phys. Rev. Lett. 97 (2006) 106403
- G. GOERIGK, D.L. WILLIAMSON
Temperature induced differences in the nanostructure of hot-wire deposited silicon-germanium alloys analyzed by anomalous small-angle x-ray scattering.
J. Appl. Phys. 99 (2006) 084309

- S. GOFFRI ET AL.
Multicomponent semiconducting polymer systems with low crystallization-induced percolation threshold.
Nature Mater. 5 (2006) 950
- S. GORFMAN, V. TSIRELSON, A. PUCHER, W. MORGENROTH, U. PIETSCH
X-ray diffraction by a crystal in a permanent external electric field: electric-field-induced structural response in α -GaPO₄.
Acta Crystallogr. A, Found. Crystallogr. 62 (2006) 1
- D. GRANDJEAN, H.L. CASTRICUM, J.C. VAN DEN HEUVEL, B.M. WECKHUYSEN
Highly Mixed Phases in Ball-milled Cu/ZnO Catalysts: An EXAFS and XANES Study.
J. Phys. Chem. B 100 (2006) 16901
- P.J. GRIFFITHS, M.A. BAGNI, B. COLOMBINI, H. AMENITSCH, S. BERNSTORFF, C.C. ASHLEY, G. CECCHI
Effects of the Number of Actin-Bound S1 and Axial Force on X-Ray Patterns of Intact Skeletal Muscle.
Biophys. J. 90 (2006) 984
- J.-C. GRIVEL, R. PINHOLT, N.H. ANDERSEN, P. KOVAC, I. HUSEK, J. HOMEYER
In situ investigations of phase transformations in Fe-sheathed MgB₂ wires.
Superconductor Science and Technology 19 (2006) 96
- J.-D. GRUNWALDT, M. CARAVATI, A. BAIKER
In situ extended X-ray absorption fine structure study during the selective alcohol oxidation over Pd/Al₂O₃ in supercritical carbon dioxide.
J. Phys. Chem. B 110 (2006) 9916
- J.-D. GRUNWALDT, S. HANNEMANN, C.G. SCHROER, A. BAIKER
2D-Mapping of the Catalyst Structure inside a Catalytic Microreactor at Work: Partial Oxidation of Methane over Rh/Al₂O₃.
J. Phys. Chem. B 110 (2006) 8674
- J.-D. GRUNWALDT, S. HANNEMANN, P. BOYE, C.G. SCHROER, A. BAIKER
Monitoring a catalyst at work.
Chimia 60 (2006) 709
- M.M. GUENTER, M. LERCH, H. BOYSEN, D. TOEBBENS, E. SUARD, C. BAEHTZ
Combined neutron and synchrotron X-ray diffraction study of Sr/Mg-doped lanthanum gallates up to high temperatures.
J. Phys. Chem. Solids 67 (2006) 1754
- Y. GUO, W. MEYER-ZAIKA, M. MUHLER, S. VUKOJEVIC, M. EPPLE
Cu/Zn/Al xerogels and aerogels prepared by a sol-gel reaction as catalysts for methanol synthesis.
Eur. J. Inorg. Chem. 2006 (2006) 4774
- H.S. GUPTA, W. WAGERMAIER, G.A. ZICKLER, J. HARTMANN, S.S. FUNARI, P. ROSCHGER, H.D. WAGNER, P. FRATZL
Fibrillar level fracture in bone beyond the yield point.
Int. J. Fract. 139 (2006) 425
- L. GÜNTHER, W. PEUKERT, G. GOERIGK, N. DINGENOUTS
Microstructure formation in dip-coated particulate films.
Journal of Colloid and Interface Science 294 (2006) 309
- M. HAAKS, I. MÜLLER, A. SCHÖPS, H. FRANZ
Spatially resolved deformation studies on carbon steel employing X-rays and positron annihilation.
Phys. Status Solidi A 203 (2006) R31-R33
- M. HANKE, T. BOECK
On the various impact of chemical composition and elastic strain in SiGe nanoscale islands to the diffuse x-ray scattering.
Physica E 32 (2006) 69
- S. HANNEMANN, J.-D. GRUNWALDT, F. KRUMEICH, P. KAPPEN, A. BAIKER
Electron Microscopy and EXAFS Studies on Oxide-Supported Gold-Silver Nanoparticles Prepared by Flame Spray Pyrolysis.
Appl. Surf. Sci. 252 (2006) 7862
- S. HANNEMANN, J.-D. GRUNWALDT, N. VAN VEGTEN, A. BAIKER, P. BOYE, C.G. SCHROER
Distinct Spatial Changes of the Catalyst Structure inside a Fixed-Bed Microreactor during the Partial Oxidation of Methane over Rh/Al₂O₃.
Catal. Today 1 (2006) 1
- M.D. HARTMANN, G.P. BOURENKOV, A. OBERSCHALL, N. STRIZHOV, H.D. BARTUNIK
Mechanism of phosphoryl transfer catalyzed by shikimate kinase from *Mycobacterium tuberculosis*.
J. Mol. Biol. 364 (2006) 411
- J.J. HERNANDEZ, M.C. GARCIA-GUTIERREZ, A. NOGALES, D.R. RUEDA, T.A. EZQUERRA
Small-angle X-ray scattering of single-wall carbon nanotubes dispersed in molten poly(ethylene terephthalate).
Comp Sci T 66 (2006) 2629
- C. HIPOLITO, J.P. LEAL, Y. GUO, M. EPPLE
Thermochemistry of alkaline earth phenoxides.
J. Chem. Thermodyn. 38 (2006) 296
- U. HOPPE, R.K. BROW, B.C. TISCHENDORF, P. JOVARI, A.C. HANNON
Structure of GeO₂ – P₂O₅ glasses studied by x-ray and neutron diffraction.
J. Phys. Condens. Matter 18 (2006) 1847
- H. HUWE, M. FROEBA
Multiple-Scattering Extended X-Ray Absorption Fine Structure Analysis on Nanostructured Iron(III) Oxide in the Pore System of Mesoporous Carbon CMK-1.
Analytical and Bioanalytical Chemistry 384 (2006) 817
- Temperature-resolved In-Situ X-ray Absorption Spectroscopic Study on the Reduction of Nanostructured Fe₂O₃ within the Pore System of Mesoporous Carbon CMK-1.
J. Synchrotron Rad. 13 (2006) 275

- M. HÜCKER ET AL.
Unidirectional diagonal order and three-dimensional stacking of charge stripes in orthorhombic $\text{Pr}_{1.67}\text{Sr}_{0.33}\text{NiO}_4$ and $\text{Nd}_{1.67}\text{Sr}_{0.33}\text{NiO}_4$.
Phys. Rev. B 74 (2006) 085112
- H. ISENBERG, K. KJAER, H. RAPAPORT
Elasticity of Crystalline beta-Sheet Monolayers.
J. Am. Chem. Soc. 128 (2006) 12468
- Y. ISHITSUKA, L. ARNT, J. MAJEWSKI, S. FREY, M. RATAJCZEK, K. KJAER, G.N. TEW, K.Y.C. LEE
Amphiphilic Poly(phenyleneethynylene)s Can Mimic Antimicrobial Peptide Membrane Disordering Effect by Membrane Insertion.
J. Am. Chem. Soc. 128 (2006) 13123
- S. IVANOV, I. KITAEVA, V. KOLOBANOV, V. MIKHAILIN, D. SPASSKY, L. IVLEVA, I. VORONINA, B. ZADNEPROVSKI
Reflectivity and luminescence of the anisotropic scheelite-type crystal strontium tungstate.
Izv. Vyssh. Uchebn. Zaved. Fiz. 49 (2006) 44
- V.YU. IVANOV, K.I. SHIRINSKII, E.S. SHLYGIN, V.A. PUSTOVAROV
VUV spectroscopy of intrinsic electronic excitations in Gd_2SiO_5 and $\text{Gd}_2\text{SiO}_5 - \text{Ce}$ crystals.
Russian Physics Journal 4 (2006) 53
- K.V. IVANOVSKIKH, V.A. PUSTOVAROV, M. KIRM, B.V. SHULGIN, E.I. ZININ
Excitation and relaxation of high energy localized states of rare earth ions doped into strontium fluoride crystals.
Russian Physics Journal 4 (2006) 61
- T.V.W. JANSSENS, A. CARLSSON, A. PUIG-MOLINA, B.S. CLAUSEN
Relation between nanoscale Au particle structure and activity for CO oxidation on supported gold catalysts.
Journal of Catalysis 240 (2006) 113
- Q.K. JIANG, G.Q. ZHANG, L.Y. CHEN, J.Z. WU, H.G. ZHANG, J.Z. JIANG
Glass formability, thermal stability and mechanical properties of La-based bulk metallic glasses.
Journal of Alloys and Compounds 242 (2006) 187
- Q.K. JIANG, G.Q. ZHANG, L.Y. CHEN, Q.S. ZENG, J.Z. JIANG
Centimeter-Sized $\text{La}_{0.5}\text{Ce}_{0.5}$ -based Bulk Metallic Glasses.
Journal of Alloys and Compounds 242 (2006) 182
- I. KABAN, P. JOVARI, W. HOYER, R.G. DELAPLANE, A. WANNBERG
Structural studies on Te-rich Ge-Te melts.
J. Phys. Condens. Matter 18 (2006) 2749
- W. KAMINSKY, E. WECKERT, H. KUTZKE, M.A. GLASER, H. KLAPPER
Non-linear optical properties of metastable 4-methyl-benzophenone.
Z. Kristallogr. 211 (2006) 294
- A. KANAEV, L. MUSEUR, T. LAARMANN, T. MOELLER
Ionic chromophores Xep^+ ($p_i=4$) in multishell rare-gas clusters $\text{Xe}(m)\text{NF}_3(k)\text{Ne}(7500)$ ($m, k_i=100$) studied with fluorescence spectroscopy.
J. Low Temp. Phys. 32 (2006) 1426
- J. KARLOVSKA, A.A. WILLIAMS, R.V. MACRI, R.D. GANDOUR, S.S. FUNARI, D. UHRIKOVA, P. BALGAVY
Synchrotron SAX and WAX diffraction study of a hydrated very long-chain, dendritic amphiphile+DPPC mixture.
Colloids Surf. B, Biointerfaces 2006 (2006) 5
- J. KARLOVSKA, D. UHRIKOVA, S.S. FUNARI, P. BALGAVY
SAX and WAX diffraction study of gel – V fluid phase transition in hydrated lamellar N-dodecyl-N,N-dimethylamine-N-oxide + DPPC.
Acta Faculty. Pharm. Univ. Comenianae 53 (2006) 10
- D.E. KELLER, D.C. KONINGSBERGER, B.M. WECKHUYSEN
Elucidation of the molecular structure of hydrated vanadium oxide species by X-ray absorption spectroscopy: correlation between the V–V coordination number and distance and the point of zero charge of the support oxide.
Phys. Chem. Chem. Phys. 8 (2006) 4824
- Molecular structure of a supported VO_4 cluster and its interfacial geometry as a function of the SiO_2 , Nb_2O_5 , and ZrO_2 support.
J. Phys. Chem. B 110 (2006) 14325
- D.E. KELLER, T. VISSER, F. SOULIMANI, D.C. KONINGSBERGER, B.M. WECKHUYSEN
Hydration effects on the molecular structure of silica supported vanadium oxide catalysts: A combined IR, Raman, UV-vis and EXAFS study.
Vib Spectr 43 (2006) 151
- R. KIEBACH, N. PIENACK, M. ORDOLFF, F. STUDT, W. BENSCH
A Combined in-situ EDXRD/EXAFS Investigation of the Crystal Growth of $[\text{Co}(\text{C}_6\text{H}_{18}\text{N}_4)][\text{Sb}_2\text{S}_4]$ under Solvothermal Conditions: Two Different Reaction Pathways Leading to the Same Product.
Chem. Mater. 18 (2006) 1196
- M. KIRCHNER, F. GÄBLER, W. SCHNELLE, F.R. WAGNER, R. NIEWA
 $(\text{La}_3\text{Z}_x)\text{Al}$ and $(\text{Ce}_3\text{Z}_x)\text{Al}$ with $Z = \text{C}, \text{N}, \text{O}$: Preparation, Physical Properties and Chemical Bonding of Metal-rich Perovskites.
Z. Kristallogr. 221 (2006) 543
- M. KIRCHNER, W. SCHNELLE, R. NIEWA
Inverse Perovskites $(\text{Eu}_3\text{O})\text{E}$ with $\text{E} = \text{Sn}, \text{In}$: Preparation, Crystal Structures and Physical Properties.
Z. Anorg. Allg. Chem. 632 (2006) 559
- M. KIRM, A. GEKTIN, V. NAGIRNYI, V. NESTERKINA, K. SHIMAMURA, N. SHIRAN, E. VILLORA
VUV Spectroscopy of $\text{Ca}_{0.65}\text{Eu}_{0.35}\text{F}_{2.35}$ Single Crystal.
Russian Physics Journal 49 (2006) 70

- M. KNAAPILA, M. TORKKELI, B.P. LYONS, M.R.C. HUNT, T.P.A. HASE, O.H. SEECK, L. BOUCHENOIRE, R. SERIMAA, A.P. MONKMAN
Influence of Star-Like Iridium Complexes in the Graphoepitaxy of Polyfluorene Thin Films.
Phys. Rev. B 74 (2006) 214203
- M. KNAAPILA, R. STEPANYAN, B.P. LYONS, M. TORKKELI, A.P. MONKMAN
Towards General Guidelines for Aligned, Nanoscale Assemblies of Hairy-Rod Polyfluorene.
Advanced Functional Materials 16 (2006) 599
- N. KOCH, A. ELSCHNER, R.L. JOHNSON
Green Polyfluorene – Conducting Polymers Interfaces: Energy Level Alignment and Device Performance.
J. Appl. Phys. 100 (2006) 024512
- N. KOCH, I. SALZMANN, R.L. JOHNSON, J. PFLAUM, R. FRIEDLEIN, J.P. RABE
Molecular orientation dependent energy levels at interfaces with pentacene and pentacenequinone.
Organic Electronics 7 (2006) 537
- A. KODRE, J. PADEZNIK GOMILSEK, A. MIHELIC, I. ARCON
X-ray absorption in atomic Cd in the K edge region.
Radiat. Phys. Chem. 75 (2006) 188
- A. KODRE, J. PADEZNIK GOMILSEK, I. ARCON, A. MEDEN, D. MIHAJLOVIC
Specific EXAFS tools in analysis of MoSI nanowires.
Acta Chimica Slovenica 53 (2006) 13
- V. KOLOBANOV, V. MIKHAILIN, N. PETROVNIN, D. SPASSKY, YU. ZORENKO
Exciton creation in LuAlO₃ single crystalline film.
Phys stat sol (B) 243 (2006) R60
- V. KOLOBANOV, V. MIKHAILIN, N. PETROVNIN, D. SPASSKY, YU. ZORENKO
Exciton creation in LuAlO₃ single crystalline film.
Phys stat sol (B) 243 (2006) R60-R62
- P. KORECKI, M. TOLKIEHN, D.V. NOVIKOV, G. MATERLIK, M. SZYMONSKI
Directional fine structure in absorption of white x-ray: a tomographic interpretation.
Phys. Rev. B 74 (2006) 184116
- X-ray tomographic imaging of crystal structure at atomic level.
Phys. Rev. Lett. 96 (2006) 035502
- L. KOVER, M. NOVAK, S. EGRI, I. CSERNY, Z. BERENYI, W. DRUBE, F. YUBERO, S. TOUGAARD, W.S.M. WERNER
Intrinsic and extrinsic excitations in deep core photoelectron spectra of solid Ge.
Surf. Interface Anal. 38 (2006) 569
- L. KOVER, Z. BERENYI, I. CSERNY, L. LUGOSI, W. DRUBE, T. MUKOYAMA, V.R.R. MEDICHERLA
Initial-and final-state excitations in KL₂₃L₂₃ Auger spectra of Cu and Ni metals, induced near threshold.
Phys. Rev. B 73 (2006) 195101
- K. KOVNIR, J. OSSWALD, M. ARMBRUESTER, R. GIEDIGKEIT, T. RESSLER, Y. GRIN, R. SCHLOEGL
PdGa and Pd₃Ga₇: Highly selective catalysts for the acetylene partial hydrogenation.
Stud. Surf. Sci. Catal. 162 (2006) 481
- I.A. KOWALIK, B.J. KOWALSKI, P. KACZOR, B.A. ORLOWSKI, E. LUSAKOWSKA, R. JOHNSON, L. HOUSSIAN, J. BRISON, I. GRZEGORY, S. POROWSKI
Resonant photoemission study of Ti interaction with GaN surface.
Surf. Sci. 600 (2006) 879
- A.G. KOZOREZOV, A. OWENS
Carrier dynamic and resolution of co-planar grid radiation detection.
Nucl. Instrum. Methods A 563 (2006) 40
- A. KRIMMEL ET AL.
Incommensurate structure of the spin-Peierls compound TiOCl in zero and finite magnetic fields.
Phys. Rev. B 73 (2006) 172413
- K. KRUG, J. STETTNER, O.M. MAGNUSSEN
In-situ surface x-ray diffraction studies of homoepitaxial electrochemical growth on Au(100).
Phys. Rev. Lett. 96 (2006) 146101
- C. KUMPF
Structure determination of very small (1-5nm) nano-particles.
Appl. Phys. A, Mater. Sci. Process. 85 (2006) 337
- S. LANGE, V. KHISK, V. REEDO, M. KIRM, J. AARIK, I. SILDOS
Luminescence of RE-ions in HfO₂ thin films and some possible applications.
Opt. Mater. 28 (2006) 1242
- A. LANKINEN ET AL.
Synchrotron X-ray topography study of defects in epitaxial GaAs on high-quality Ge.
Nucl. Instrum. Methods A 563 (2006) 62
- A. LANKINEN, T. TUOMI, M. KARILAHTI, Z.R. ZYTKIEWICZ, J.Z. DOMAGALA, P.J. McNALLY, Y.T. SUN, F. OLSSON, S. LOURDUDOSS
Crystal defects and strain of epitaxial InP layers laterally overgrown on Si.
Cryst. Growth Des. 6 (2006) 1096
- T. LIAPINA, A. LEINWEBER, E.J. MITTEMEIJER, M. KNAPP, C. BAEHTZ, Z.Q. LIU, K. MITSUISHI, K. FURUYA
γ'-Fe₄N formation upon annealing ε - Fe₃N: A Powder Diffraction study using Synchrotron Radiation.
Z. Kristallogr. 23 (2006) 449
- J.M. LOPEZ-MAJADA, H. PALZA, J.L. GUEVARA, R. QUIJADA, M.C. MARTINEZ, R. BENAVENTE, J.M. PERENA, E. PEREZ, M.L. CERRADA
Metalloccenic Copolymers of Propene and 1-Hexene: Influence of Comonomer Content and Thermal History on the Structure and Mechanical Properties.
J Polym Sci Part B 44 (2006) 1253

- D.H. LUMB, A. OWENS, M. BAVDAZ, T. PEACOCK
Development of Compound Semiconductor Detectors at ESA.
Nucl. Instrum. Methods A 568 (2006) 432
- D. LÜTZENKIRCHEN-HECHT, R. FRAHM
Time-resolved in-situ investigations of reactive sputtering processes by grazing incidence X-ray absorption spectroscopy.
Surf. Sci. 600 (2006) 4384
- H.-E. MAHNKE, B. SCHATAT, P. SCHUBERT-BISCHOFF, N. NOVAKOVIC
Ion Beam Induced Nanosized Ag Metal Clusters in Glass.
Nucl. Instrum. Methods B 245 (2006) 224
- V.N. MAKHOV, J.C. KRUPA, M. KIRM, G. STRYGANYUK, S. VIELHAUER, G. ZIMMERER
VUV luminescence of Gd³⁺ and Lu³⁺ ions in fluoride matrices.
Russian Physics Journal 49 (2006) 85
- E.V. MAKSHINA, S.V. SIROTIN, M.W.E. VAN DEN BERG, K.V. KLEMENTIEV, V.V. YUSHCHENKO, G.N. MAZO, W. GRUENERT, B.V. ROMANOVSKY
Characterization and catalytic properties of nanosized cobaltate particles prepared by in-situ synthesis inside mesoporous molecular sieves.
Appl. Catal. A 312 (2006) 59
- E.V. MAKSHINA, S.V. SIROTIN, V.V. YUSHCHENKO, G.N. MAZO, M.W.E. VAN DEN BERG, K.V. KLEMENTIEV, W. GRUENERT, B.V. ROMANOVSKY
Nanocomposites based on LaCoO₃ and mesoporous molecular sieves: Preparation and physicochemical and catalytic properties.
Kinet. Catal. 47 (2006) 49
- G. MALI, M. SALA, I. ARCON, V. KAUCIC, J. KOLAR
Insight into the short-range structure of amorphous iron inositol hexaphosphate as provided by (31)P NMR and Fe X-ray absorption spectroscopy.
J. Phys. Chem. B 110 (2006) 23060
- B. MALIC, I. ARCON, A. KODRE, M. KOSEC
Homogeneity of Pb(Zr,Ti)O₃ thin films by chemical solution deposition : extended x-ray absorption fine structure spectroscopy study of zirconium local environment.
J. Appl. Phys. 100 (2006) 051612
- V. MARINOVA ET AL.
Structural, optical and dielectric properties of relaxor-ferroelectric Pb_{0.78}Ba_{0.22}Sc_{0.5}Ta_{0.5}O₃.
J. Phys. Condens. Matter 18 (2006) L393
- M. MARQUIS, M. FLOREZ, J.M. RECIO, L. GERWARD, J.S. OLSEN
Structure and stability of ZrSiO₄ under hydrostatic pressure.
Phys. Rev. B 74 (2006) 014104
- S.M. MARTIN, K. KJAER, M.J. WEYGAND, I. WEISSBUCH, M.D. WARD
Hydrogen-Bonded Monolayers and Interdigitated Multilayers at the Air-Water Interface.
J. Phys. Chem. B 110 (2006) 14292
- A. MARTINEZ-GOMEZ, A. BELLO, E. PEREZ
Phase behaviour of a liquid crystalline polyetherester derived from 4'-hydroxy-1,1'-biphenyl-4-carboxylic acid and the ether-diol 4-(3-hydroxypropoxy)butan-1-ol.
Polymer 47 (2006) 2090
- N. MATTERN, J. SAKOWSKI, C. BAEHTZ
Structure analysis of NiZr₂ in reciprocal and real space.
Z. Kristallogr. 23 (2006) 399
- M. MAZUREK, N. BENKER, C. ROTH, TH. BUHRMESTER, H. FUESS
Electrochemical Impedance and X-ray absorption spectroscopy (EXAFS) as in-situ methods to study the PEMFC anode.
Fuel Cells 6 (2006) 16
- Y.F. MEN, J. RIEGER, S.V. ROTH, R. GEHRKE, X.M. KONG
Non-affine structural evolution of soft colloidal crystalline latex films under stretching as observed via synchrotron X-ray scattering.
Langmuir 22 (2006) 8285
- Y.F. MENG, H.Y. WEN, H.F. LI, Y.J. TANG, Y.F. MEN, S.C. JIANG, L.J. AN
Investigation on isothermal and non-isothermal crystallization kinetics of poly(epsilon-caprolactone).
Chem. J. Chin. Univ. 27 (2006) 2198
- A.P. MENUSHENKOV, R.V. CHERNIKOV, V.V. SIDOROV, K.V. KLEMENTIEV, P.A. ALEKSEEV, A.V. RYBINA
Relationship between the local electronic and local crystal structures of intermediate-valence Sm_{1-x}Y_xS.
JETP Lett. 84 (2006) 119
- H. MESTRIC ET AL.
Iron-oxygen vacancy defect association in polycrystalline iron-modified PbZrO₃ antiferroelectrics – multi-frequency electron paramagnetic resonance and Newman superposition model analysis.
Phys. Rev. B 73 (2006) 184105
- M. MEYER ET AL.
Two-color photoionization in xuv free electron and visible laser fields.
Phys. Rev. A 74 (2006) 011401
- U. MEYER, P. BISEL, E. WECKERT, A.W. FRAHM
Bicyclic glutamic acid derivatives.
Chirality 18 (2006) 383
- L.J. MICHOT, I. BIHANNIC, S. MADDI, S.S. FUNARI, C. BARAVIAN, P. LEVITZ, P. DAVIDSON
Liquid Crystalline Aqueous Clay Suspensions.
Proc. Natl. Acad. Sci. USA 103 (2006) 16104
- S. MICKEVICIUS, S. GREBINSKIJ, V. BONDARENKA, B. VENGALIS, K. SLIUZIENE, B.A. ORLOWSKI, V. OSINNIY, W. DRUBE
Investigation of epitaxial LaNiO_{3-x} thin films by High-Energy XPS.
Appl. Surf. Sci. 252 (2006) 5383

- S. MICKEVICIUS, S. GRZEBINSKIJ, V. BONDARENKA, H. TVARDAUSKAS, B. VENGALIS, K. SLIUZIENE, B.A. ORLOWSKI, W. DRUBE
Investigation of the aging of epitaxial LaNiO_{3-x} films by X-ray photoelectron spectroscopy.
Opt. Appl. 36 (2006) 235
- S. MICKEVICIUS
Investigation of epitaxial LaNiO_{3-x} thin films by high energy-XPS.
Journal of Alloys and Compounds 423 (2006) 111
- V.B. MIKHAILIK, H. KRAUS, D. WAHL, H. EHRENBERG, M.S. MYKHAYLYK
Optical and luminescence studies of ZnMoO₄ using vacuum ultraviolet synchrotron radiation.
Nucl. Instrum. Methods A 562 (2006) 516
- V.B. MIKHAILIK, H. KRAUS, J. IMBERAND, D. WAHL
Scintillation properties of pure CaF₂.
Nucl. Instrum. Methods A 566 (2006) 525
- V.B. MIKHAILIK, H. KRAUS
Cryogenic scintillators in searches for extremely rare events.
J. Phys. D 39 (2006) 1191
- F. MORALES, D. GRANDJEAN, A. MENS, F.M.F. DE GROOT, B.M. WECKHUYSEN
X-ray Absorption Spectroscopy of Mn/Co/TiO₂ Fischer-Tropsch Catalysts: Relationships between Preparation Method, Molecular Structure, and Catalyst Performance.
J. Phys. Chem. B 110 (2006) 8639
- H.J. MUELLER, F.R. SCHILLING, C. LATHE, J. LAUTERJUNG
Recent development of experimental techniques for high-pressure mineral physics under simulated mantle conditions.
High Press. Res. 26 (2006) 529
- A.S. MURESA, B.I. OSTROVSKII, A. SANCHEZ-FERRER, H. FINKELMANN, W.H. DE JEU
Main-chain smectic liquid-crystalline polymers as randomly disordered system.
Eur. Phys. J. E 19 (2006) 388
- P. MÜLLER-BUSCHBAUM, E. BAUER, E. MAURER, K. SCHLÖGL, S.V. ROTH, R. GEHRKE
A route to large-area ordered polymeric nano-channel arrays.
Appl. Phys. Lett. 88 (2006) 083114
- P. MÜLLER-BUSCHBAUM, E. MAURER, E. BAUER, R. CUBITT
Surface versus confinement induced morphology transition in triblock copolymer films.
Langmuir 22 (2006) 9303
- P. MÜLLER-BUSCHBAUM, R. GEBHARDT, E. MAURER, E. BAUER, R. GEHRKE, W. DOSTER
Thin casein films as prepared by spin-coating: Influence of film thickness and of pH.
Biomacromolecules 7 (2006) 1773
- P. MÜLLER-BUSCHBAUM
High-resolution grazing incidence small angle x-ray scattering: Investigation of micrometer sized structured polymer films.
Prog. Colloid Polym. Sci. 132 (2006) 23
- B. MÜLLER, F. PFRUNDER, L. CHIOCCA, N.D. RUSE, F. BECKMANN
Visualizing the complex morphology of fatigue cracks in voxel-based 3D datasets.
Mater. Sci. Technol. 22 (2006) 1044
- B. MÜLLER, J. FISCHER, U. DIETZ, P. THURNER, F. BECKMANN
Blood vessel staining in the myocardium for 3D visualization down to the smallest capillaries.
Nucl. Instrum. Methods B 246 (2006) 261
- B. MÜLLER, M. RIEDEL, P. THURNER
Three-dimensional characterization of HEK293 cell clusters using synchrotron-radiation-based micro computed tomography.
Microsc. Microanal. 12 (2006) 105
- J.J. MÜLLER, N.L. LUNINA, A. URZHUMTSEV, E. WECKERT, U. HEINEMANN, V.Y. LUNIN
Low resolution ab initio phasing of *Sarcocystis muris* lectin SML-2.
Acta Crystallogr. D 62 (2006) 533
- M. NAFFAKH, M. GOMEZ, G. ELLIS, C. MARCO
Isothermal crystallization Kinetics of PEEK/Vectra blends by DSC and time-resolved synchrotron X-ray diffraction.
Polym. Eng. Sci. 46 (2006) 1418
- S. NAKONECHNYI, T. KÄRNER, A. LUSHCHIK, CH. LUSHCHIK, V. BABIN, E. FELDBACH, I. KUDRYAVTSEVA, P. LIBLIK, L. PUNG, E. VASILCHENKO
Low-temperature excitonic, electron-hole and interstitial-vacancy processes in LiF single crystals.
J. Phys. Condens. Matter 18 (2006) 379
- P.A. NEFF, A. NAJI, C. ECKER, B. NICKEL, R. VON KLITZING, A.R. BAUSCH
Electrical Detection of Self-Assembled Polyelectrolyte Multilayers by a Thin Film Resistor.
Macromol. 39 (2006) 463
- C. NENU, J. VAN LINGEN, F.M.F. DE GROOT, D.C. KONINGSBERGER, B.M. WECKHUYSEN
Controlled Assembly of a Heterogeneous Single Site Ethylene Trimerisation Catalyst as Probed by X-Ray Absorption Spectroscopy.
Chem. Eur. J. 12 (2006) 4763
- F. NEUES, W.H. ARNOLD, J. FISCHER, F. BECKMANN, P. GÄNGLER, M. EPPLE
The skeleton and pharyngeal teeth of zebrafish (*Danio rerio*) as a model of biomineralization in vertebrates.
Mat. Wiss. Werkstofftech. 37 (2006) 426
- M. NICKEL, E. BULLINGER, F. BECKMANN
Functional morphology of *Tethya* species (Porifera): 2. Three-dimensional morphometrics on spicules and skeleton superstructures of *T. minuta*.
Zoomorphology 125 (2006) 225

- M. NICKEL, T. DONATH, M. SCHWEIKERT, F. BECKMANN
Functional morphology of *Tethya* species (Porifera): 1.
Quantitative 3D-analysis of *Tethya wilhelma* by synchrotron
radiation based X-ray microtomography.
Zoomorphology 125 (2006) 209
- D. NOONAN, P.J. MCNALLY, W.-M. CHEN, A. LANKINEN,
L. KNUUTTILA, T.O. TUOMI, A.N. DANILEWSKY, R. SIMON
The evaluation of mechanical stresses developed in underlying
silicon substrates due to electroless nickel under bump
metallization using synchrotron x-ray topography.
Microelectron. J. 37 (2006) 1378
- I.N. OGORODNIKOV, M. KIRM, V.A. PUSTOVAROV
A time-resolved VUV-spectroscopy study of self-trapped excitons
in hydrogen boundet nonlinear optical crystals.
Russian Physics Journal 4 (2006) 105
- I.N. OGORODNIKOV, V.A. PUSTOVAROV, S.I. OMELKOV,
A.V. TOLMACHEV, R.P. YAVETSKIY
Elementary processes of energy transfer in the lithium borate
crystals doped with Ce and Eu.
Russian Physics Journal 10 (2006) 36
- J.S. OLSEN, L. GERWARD, A.G.S. FILHO, P.T.C. FREIRE,
J. MENDESFILHO, F.E.A. MELO
High-pressure x-ray diffraction of L-Alanine crystal.
High Press. Res. 26 (2006) 437
- B.A. ORLOWSKI, I.A. KOWALIK, B.J. KOWALSKI,
N. BARRETT, I. GRZEGORY, S. POROWSKI
GaN(0001) surface Fe atoms doped.
Journal of Alloys and Compounds 423 (2006) 138
- A. OWENS, A.G. KOZOREZOV
Single carrier sensing techniques in compound semiconductor
detectors.
Nucl. Instrum. Methods A 563 (2006) 36
- A. OWENS, T. BUSLAPS, C. ERD, H. GRAAFSMA, D. LUMB,
E. WELTER
Hard X- and γ -ray measurements with a $3 \times 3 \times 2 \text{ mm}^3$ CdZnTe
detector.
Nucl. Instrum. Methods A 528 (2006) 450
- A. OWENS, T. BUSLAPS, V. GOSTILO, H. GRAAFSMA,
R. HIJMERING, A. KOZOREZOV, A. LOUPILOV, D. LUMB,
E. WELTER
Hard X- and γ -ray measurements with a large volume coplanar
grid CdZnTe detector.
Nucl. Instrum. Methods A 563 (2006) 248
- A. OWENS
Semiconductor materials and radiation detection.
J. Synchrotron Rad. 13 (2006) 150
- J. PADEZNIK GOMILSEK, I. ARCON, A. KODRE
Atomic effects in exafs structural analysis of redox I^-/I_3^- solid
state electrolytes.
Acta Chimica Slovenica 53 (2006) 18
- G. PANACCIONE ET AL.
Coherent Peaks and Minimal Probing Depth in Photoemission
Spectroscopy of Mott-Hubbard Systems.
Phys. Rev. Lett. 97 (2006) 116401
- J. PEREZ-MANZANO, J.P. FERNANDEZ-BLAZQUEZ, A. BELLO,
E. PEREZ
Liquid-crystalline copolymers of bibenzoate and terephthalate
units.
Polym. Bull. 56 (2006) 577
- L. PETERS, K. KNORR, H. KATZKE, M. KNAPP, W. DEPMEIER
The transformation mechanism of the sodalite- to the
melilite-topology: Thermal expansion and decomposition of
bicchulite-type to melilite-type compounds.
Z. Kristallogr. 221 (2006) 205
- The transformation mechanism of the sodalite- to the
melilite-topology: Thermal expansion and decomposition of
bicchulite-type to melilite-type compounds.
Z. Kristallogr. 221 (2006) 198
- N. PETROVNIN, V. MIKHAILIN, YU. ZORENKO,
V. KOLOBANOV, D. SPASSKY
Investigation of the reflectivity spectra of single crystalline films
with garnet structure.
Izv. Vyssh. Uchebn. Zaved. Fiz. 49 (2006) 111
- M. PEURA, I. GROTKOPP, H. LEMKE, A. VIKKULA, J. LAINE,
M. MÜLLER, R. SERIMAA
Negative Poisson ratio of crystalline cellulose in kraft cooked
Norway spruce.
Biomacromolecules 7 (2006) 1521
- M.A. PFEIFER, G.J. WILLIAMS, I.A. VARTANYANTS,
R. HARDER, I.K. ROBINSON
Three-dimensional mapping of a deformation field inside
a nanocrystal.
Nature 442 (2006) 63
- J. PIGNAT, S. CANTIN, R. LIU, M. GOLDMANN, P. FONTAINE,
J. DAILLANT, F. PERROT
pH-dependent kinetics of MgCl_2 adsorption under a fatty acid
monolayer.
Eur. Phys. J. E 20 (2006) 387
- A.P. PIKUL, D. KACZOROWSKI, Z. BUKOWSKI, K. GOFRYK,
U. BURKHARDT, Y. GRIN, F. STEGLICH
Localization of magnetic moments of cerium in single crystalline
 CePt_4In .
Phys. Rev. B 73 (2006) 092406
- H. PINTO, A. PYZALLA, H. HACKL, J. BRUCKNER
A Comparative Study of Microstructure and Residual Stresses of
CMT-, MIG- and Laser-Hybrid Welds.
Mater. Sci. Forum 524-525 (2006) 632
- R. PODGAJNY, M. BALANDA, M. SIKORA, M. BOROWIEC,
L. SPALEK, CZ. KAPUSTA, B. SIEKLUCKA
Cobalt(II) octacyanotungstate(V) organic-inorganic hybrid
ferromagnetic materials with pyrazine and 4,4-bipyridine.
Dalton Trans. 2006 (2006) 2801

- R. PRABHAKARAN, V. KRISHNAN, A. GEETHA, H. BERTAGNOLLI, K. NATARAJAN
Synthesis, EPR, electrochemistry and EXAFS studies of ruthenium(III) complexes with a symmetrical tetradentate N_2O_2 Schiff base.
Inorg. Chim. Act. 359 (2006) 1114
- R. PRABHAKARAN, V. KRISHNAN, K. PASUMPON, D. SUKANYA, E. WENDEL, C. JAYABALAKRISHNAN, H. BERTAGNOLLI, K. NATARAJAN
Preparation, spectral characterization, electrochemistry, EXAFS, antibacterial and catalytic activity of new ruthenium(III) complexes containing ONS donor ligands with triphenylphosphine/arsine.
Appl Organomet Chem 20 (2006) 203
- A.S. PRIBYTKOV, O.P. TKACHENKO, A.YU. STAKHEEV, K.V. KLEMENTIEV, W. GRUENERT, M.W.E. VAN DEN BERG, L.M. KUSTOV, V.N. GOLUBEVA, A.V. TELNOV
Effect of electron beam-irradiation on the structure and catalytic performance of Pd nanoparticles supported on Al_2O_3 and carbon.
Mendeleev Comm. 2006 (2006) 254
- V.A. PUSTOVAROV, I.N. OGORODNIKOV, N.S. BASTRIKOVA, A.A. SMIRNOV, L.I. ISAENKO, A.P. YELISSEYEV
Electronic excitation and luminescence in APb_2X_5 (A=K,Rb; X=Cl,Br) laser crystals.
Russian Physics Journal 4 (2006) 123
- Electronic excitations and defects in new laser crystals APb_2Cl_5 (A=K,Rb; X=Cl,Br).
Russian Physics Journal 10 (2006) 32
- Low temperature time-resolved spectroscopy of crystals APb_2X_5 (A=K,Rb; X=Cl,Br).
Opt. Spectrosc. 101 (2006) 234
- F. QUARATI, G. MAEHLUM, A. OWENS, E. WELTER
Evaluation of a CdZnTe pixel array for X- and γ -ray spectroscopic imaging.
Nucl. Instrum. Methods A 568 (2006) 450
- F. RADU, A. NEFEDOV, J. GRABIS, G. NOWAK, A. BERGMANN, H. ZABEL
Soft X-Ray Resonant Magnetic Scattering Studies on Fe/CoO Exchange Bias System.
J. Magn. Magn. Mater. 300 (2006) 206
- E. RADZHABOV, M. KIRM
Triplet luminescence of cadmium centres in alkali-earth fluoride crystals.
Russian Physics Journal 49 (2006) 133
- M. RAMIN, N. VAN VEGTEN, J.-D. GRUNWALDT, A. BAIKER
Simple preparation routes towards Zn-based catalysts for the solventless synthesis of propylene carbonate by carbon dioxide insertion.
J Mol Catal A 258 (2006) 165
- V. RANDOSHKIN, N. VASILEVA, V. KOLOBANOV, V. MIKHALIN, N. PETROVNIKIN, D. SPASSKI, N. SYSOEV, M. TIMOSHECHKIN
Terbium-Doped Garnet Single Crystals as X-ray-Sensitive Phosphors.
Tech. Phys. Lett. 32 (2006) 958
- F. REHFELDT, R. STEITZ, S. ARMES, R. VON KLITZING, A.P. GAST, M. TANAKA
Reversible Activation of Diblock Copolymer Monolayers at the Interface by pH Modulation, 1: Lateral Chain Density and Conformation.
J. Phys. Chem. B 110 (2006) 9177
- Reversible Activation of Diblock Copolymer Monolayers at the Interface by pH Modulation, 2: Membrane Interactions at the Solid/Liquid Interface.
J. Phys. Chem. B 110 (2006) 9177
- A. REHMAN-KHAN, J. STANGL, G. BAUER, D. BUCA, B. HOLLANDER, H. TRINKAUS, S. MANTL, R. LOO, M. CAYMAX
Study of Relaxation of Strain in Patterned Structures using X-Ray Diffraction Technique.
Semicond. Sci. Technol. 21 (2006) 1
- C. REICH, P.A. NEFF, A.R. BAUSCH, J.O. RÄDLER, B. NICKEL
Supported membranes on polyelectrolyte layers studied by X-ray reflectometry.
Phys. Status Solidi A 203 (2006) 3467
- A. REMHOF, G. NOWAK, A. LIEBIG, H. ZABEL, B. HJÖRVARSSON
Hydrogen assisted growth of Fe/V superlattices.
J. Phys., Condens. Matter 18 (2006) L445
- K. RICKERS, R. THOMAS, W. HEINRICH
The behavior of trace elements during the chemical evolution of the H_2O , B, and F-rich granite-pegmatite-hydrothermal system at Ehrenfriedersdorf, Germany: A SXRF study of melt and fluid inclusions.
Min. Deposita 41 (2006) 245
- I. RITZKOPF, S. VUKOJEVIC, C. WEIDENTHALER, J.-D. GRUNWALDT, F. SCHÜTH
Decreased CO production in methanol steam reforming over Cu/ZrO₂ catalysts prepared by the microemulsion technique.
Appl Catal A 302 (2006) 215
- R. ROBERT, L. BOCHER, M. TROTTMANN, A. RELLER, A. WEIDENKAFK
Synthesis and high temperature thermoelectric properties of Ni and Ti substituted LaCoO₃.
Journal of Solid State Chemistry 179 (2006) 3867
- P. RODNYI, A. VOLOSHINOVSKII, G. STRYGANYUK
Luminescence Characteristics of the Pr^{3+} ion in SrAlF₅.
Opt. Spectrosc. 100 (2006) 712

- S.V. ROTH ET AL.
Combinatorial investigation of the isolated nanoparticle to coalescent layer transition in a gradient sputtered gold nanoparticle layer on top of polystyrene.
Appl. Phys. Lett. 88 (2006) 021910
- S.V. ROTH, R. DÖHRMANN, M. DOMMACH, M. KUHLMANN, I. KRÖGER, R. GEHRKE, H. WALTER, C. SCHROER, B. LENGELER, P. MÜLLER-BUSCHBAUM
The small-angle options of the upgraded USAXS beamline BW4 at HASYLAB.
Rev. Sci. Instrum. 77 (2006) 085106
- U. RUSCHEWITZ
Ternary Alkali Metal Transition Metal Acetylides.
Z. Anorg. Allg. Chem. 632 (2006) 705
- K. SAKSL, H. FRANZ, Q.S. ZENG, J.F. LIU, J.Z. JIANG
Atomic structure of Al₈₉La₆Ni₅ metallic glass.
J. Phys., Condens. Matter 18 (2006) 7579
- K. SAKSL, P. JOVARI, H. FRANZ, Q.S. ZENG, J.F. LIU, J.Z. JIANG
Atomic structure of Al₈₉La₆Fe₅ metallic glass.
J. Phys., Condens. Matter 18 (2006) 7591
- A. SANZ, A. NOGALES, T.A. EZQUERRA, N. LOTTI, A. MUNARI, S.S. FUNARI
Order and segmental mobility during polymer crystallization: Poly(butylene isophthalate).
Polymer 47 (2006) 1281
- H. SCHILLING, M. LERCH, A. BORGER, K.D. BECKER, H. WOLFF, R. DRONSKOWSKI, T. BREDOW, M. TOVAR, C. BAEHTZ
A new anatase-type phase in the system Mg-Ta-O-N.
Journal of Solid State Chemistry 179 (2006) 2416
- M. SCHMIDBAUER, SH. SEYDMOHAMADI, D. GRIGORIEV, ZH.M. WANG, YU.I. MAZUR, P. SCHÄFER, M. HANKE, R. KÖHLER, G.J. SALAMO
Controlling Planar and Vertical Ordering in Three-Dimensional (In,Ga)As Quantum Dot Lattices by GaAs Surface Orientation.
Phys. Rev. Lett. 96 (2006) 066108
- C. SCHMIDT, K. RICKERS, R. WIRTH, L. NASDALA, J.M. HANCHAR
Low-temperature Zr mobility: An in-situ synchrotron-radiation XRF study of the effect of radiation damage in zircon on the element release in H₂O + HCl ± SiO₂ fluids.
Am. Mineral. 91 (2006) 1215
- TH. SCHMIDT, R. KRÖGER, J.I. FLEGE, T. CLAUSEN, J. FALTA, A. JANZEN, P. ZAHL, P. KURY, M. KAMMLER, M. HORN-VON HOEGEN
Less strain energy despite fewer dislocations: The impact of ordering.
Phys. Rev. Lett. 96 (2006) 066101
- C.G. SCHROER, M. KUHLMANN, S.V. ROTH, R. GEHRKE, N. STRIBECK, A. ALMENDAREZ-CAMARILLO, B. LENGELER
Mapping the local nanostructure inside a specimen by tomographic small angle scattering.
Virtual J. Nanoscale Sci. & Techn. 13 (2006) 17
- C.G. SCHROER, M. KUHLMANN, S.V. ROTH, R. GEHRKE, N. STRIBECK
Mapping the local nanostructure inside a specimen by tomographic small angle scattering.
Appl. Phys. Lett. 88 (2006) 164102
- C.G. SCHROER
Focusing hard X-rays to nanometer dimensions using Fresnel zone plates.
J. Phys. B 74 (2006) 033504
- Focusing hard X-rays to nanometer dimensions using Fresnel zone plates.
Virtual J. Nanoscale Sci. & Techn. 14 (2006) 5
- M.K. SCHROETER, L. KHODEIR, M.W.E. VAN DEN BERG, T. HIKOV, M. CZOKOJA, S. MIAO, W. GRUENERT, M. MUHLER, R.A. FISCHER
A Colloidal ZnO/Cu Nanocatalyst for Methanol Synthesis.
Chem. Commun. 2006 (2006) 2498
- R. SCHWEINS, G. GOERIGK, K. HUBER
Shrinking of anionic polyacrylate coils induced by Ca²⁺, Sr²⁺ and Ba²⁺: A combined light scattering and SAXS study.
Eur. Phys. J. E 21 (2006) 99
- A. SCHÖNLEBER, S. VAN SMAALEN, L. PALATINUS
Structure of the incommensurate phase of the quantum magnet TiOCl.
Phys. Rev. B 73 (2006) 214410
- A. SENYSHYN, H. KRAUS, V.B. MIKHAILIK, L. VASYLECHKO, M. KNAPP
Thermal properties of CaMoO₄: Lattice dynamics and synchrotron powder diffraction studies.
Phys. Rev. B 73 (2006) 014104
- I. SERGUEEV, U. VAN BÜRCK, A.I. CHUMAKOV, T. ASTHALTER, G.V. SMIRNOV, H. FRANZ, R. RÜFFER, W. PETRY
Synchrotron-radiation-based perturbed angular correlations used in the investigation of rotational dynamics in soft matter.
Phys. Rev. B 73 (2006) 024203
- O. SICHEVYCH, W. SCHNELLE, Y. PROTS, U. BURKHARDT, Y. GRIN
Crystal Structure and Physical Properties of New Ternary Gallides Eu₂Rh₃Ga₉ and Eu₂Ir₃Ga₉.
Z. Naturforsch. B, Chem. Sci. 61b (2006) 904
- A.V. SIDORNEKO, P. DORENBOS, A.J.J. BOS, C.W.E. VAN EIJK, P.A. RODNYI
Lanthanide level location and charge carrier trapping in LiLnSiO₄: Ce³⁺, Sm³⁺, Ln=Y or Lu.
J. Phys., Condens. Matter 18 (2006) 4514

- C. SIEMERS, M. BAEKER, P. JENCUS, J. ROESLER
So verbessert Lanthan die Titan-Zerspanbarkeit.
Werkstatt und Betrieb : WB 10 (2006) 64
- M. SIKORA, CZ. KAPUSTA, K. KNIZEK, Z. JIRAK, C. AUTRET,
M. BOROWIEC, C.J. OATES, V. PROCHAZKA, D. RYBICKI,
D. ZAJAC
X-ray absorption near-edge spectroscopy study of Mn and Co
valence states in $\text{LaMn}_{1-x}\text{Co}_x\text{O}_3$ ($x=0-1$).
Phys. Rev. B 73 (2006) 094426
- M. SIKORA, CZ. KAPUSTA, M. BOROWIEC, C. J OATES,
V. PROCHAZKA, D. RYBICKI, D. ZAJAC, J.M. DETERESA,
C. MARQUINA, M.R. IBARRA
Evidence of unquenched Re orbital magnetic moment in
 $\text{AA}'\text{FeReO}_6$ double perovskites.
Appl. Phys. Lett. 89 (2006) 062509
- A.N. SKOMOROKHOV, D.M. TROTS, M. KNAPP,
N.N. BICKULOVA, H. FUESS
Structural behaviour of $\beta\text{-Cu}_{2-\delta}\text{Se}$ ($\delta=0, 0.15, 0.25$) in dependence
on temperature studied by synchrotron powder diffraction.
Journal of Alloys and Compounds 421 (2006) 64
- W. SKROTZKI, N. SCHEERBAUM, C.-G. OERTEL,
H.-G. BROKMEIER, S. SUWAS, L. TOTH
Texture formation during ECAP of aluminium alloy AA5109.
Mater. Sci. Forum 503-504 (2006) 99 and HASYLAB Annual
Report 2006
- G.V. SMIRNOV, U. VAN BÜRCK, H. FRANZ, T. ASTHALTER,
O. LEUPOLD, E. SCHREIER, W. PETRY
Nuclear gamma resonance time-domain interferometry: Quantum
beat and radiative coupling regimes compared in revealing
quasielastic scattering.
Phys. Rev. B 73 (2006) 184126
- H. SOERIJANTO, C. ROEDEL, U. WILD, M. LERCH,
R. SCHOMAECKER, R. SCHLOEGL
Zirconium oxynitride catalysts for ammonia decomposition.
Z. Anorg. Allg. Chem. 632 (2006) 2157
- V.L. SOLOZHENKO, A.N. BARANOV, V.Z. TURKEVICH
High-pressure formation of $\text{Mg}_x\text{Zn}_{1-x}\text{O}$ solid solutions with rock
salt structure.
Solid State Communications 138 (2006) 534
- V.L. SOLOZHENKO, E.G. SOLOZHENKO, C. LATHE
Equation of state and thermal stability of Al_3BC .
Solid State Communications 137 (2006) 533
- V.L. SOLOZHENKO, O.O. KURAKOVYCH, C. LATHE
On synthesis of graphite-like B_2O .
J. Superhard Mater. 28 (2006) 80
- V.L. SOLOZHENKO, O.O. KURAKOVYCH, E.G. SOLOZHENKO,
J. CHEN, J.B. PARISE
Equation of state of graphite-like BC.
Solid State Communications 137 (2006) 268
- A.A. SOROKIN ET AL.
Method based on atomic photoionization for spot-size
measurement on focused soft x-ray free-electron laser beams.
Appl. Phys. Lett. 89 (2006) 1
- A.A. SOROKIN, S.V. BOBASHEV, K. TIEDTKE, M. RICHTER
Multi-photon ionization of molecular nitrogen by femtosecond soft
x-ray FEL pulses.
J. Phys. B 39 (2006) L304
- C. STERNEMANN ET AL.
Electronic structure of methane hydrate studied by Compton
scattering.
Phys. Rev. B 73 (2006) 6
- N. STOJANOVIC ET AL.
Ablation of solids using a femtosecond extreme ultraviolet free
electron laser.
Appl. Phys. Lett. 89 (2006) 241909
- N. STOJIC, N. BINGGELI, M. ALTARELLI
Surface Magnetism of Rh(001) from LDA+U calculations.
Phys. Rev. B 73 (2006) 100405(R)
- C. STRELI, G. PEPPONI, P. WOBRAUSCHEK, C. JOKUBONIS,
G. FALKENBERG, G. ZARAY, J. BROEKAERT, U. FITTSCHEN,
B. PESCHEL
Recent results of synchrotron radiation induced total reflection
X-ray fluorescence analysis at HASYLAB beamline L.
Spectrochim. Acta, Part B 61 (2006) 1129
- N. STRIBECK, A.A. CAMARILLO, U. NOCHEL, C. SCHROER,
M. KUHLMANN, S.V. ROTH, R. GEHRKE, R.K. BAYER
Volume-resolved nanostructure survey of a polymer part by means
of SAXS microtomography.
Macromol. Chem. Phys. 207 (2006) 1139
- R. SUPPLIT, N. HÜSING, H. BERTAGNOLLI, M. BAUER,
V. KESSLER, G.A. SEISENBAEVA, S. BERNSTORFF, S. GROSS
Synthesis and characterization of orthorhombic, 2d-centered
rectangular and lamellar iron oxide doped silica films.
J. Mater. Chem. 16 (2006) 4443
- A.I. SURDO, V.S. KORTOV, V.A. PUSTOVAROV,
V.YU. YAKOVLEV
Relaxation processes in Al_2O_3 crystals with of F and F^+ centers
during pulse excitation by electrons and synchrotron radiation.
Russian Physics Journal 10 (2006) 103
- M. TANAKA, E. SACKMANN
Supported membranes as biofunctional interfaces and smart
biosensor platforms.
Phys. Status Solidi A 203 (2006) 3452
- M. TANAKA
Polymer-Supported Membranes: Physical Models of Cell Surfaces.
MRS Bull. 31 (2006) 513
- P.A. TANNER, L.X. NING, V.N. MAKHOV, N.M. KHAIDUKOV,
M. KIRM
Inter- and intraconfigurational transitions of Nd^{3+} in
hexafluoroelpasolite lattices.
J. Phys. Chem. B 110 (2006) 12113
- R. TERZANO, M. SPAGNUOLO, L. MEDICI, F. TATEO,
B. VEKEMANS, K. JANSSENS, P. RUGGIERO
Spectroscopic investigation on the chemical forms of Cu during the
synthesis of zeolite X at low temperature.
Appl Geochem 21 (2006) 993

- R. THOMAS, J.D. WEBSTER, D. RHEDE, W. SEIFERT, K. RICKERS, H.-J. FÖRSTER, W. HEINRICH, P. DAVIDSON
The transition from peraluminous to peralkaline granitic melts: evidence from melt inclusions and accessory minerals.
Lithos 91 (2006) 149
- H. TIEMANN, I. SÖTJE, A. BECKER, G. JARMS, M. EPPLE
Calcium sulfate hemihydrate (bassanite) statoliths in the cubozoan *Carybdea* sp.
Zoologischer Anzeiger 245 (2006) 13
- O.P. TKACHENKO, K.V. KLEMENTIEV, M.W.E. VAN DEN BERG, H. GIES, W. GRUENERT
The Reduction of Copper in Porous Matrices – The role of electrostatic stabilisation.
Phys. Chem. Chem. Phys. 8 (2006) 1539
- B. TOMIK ET AL.
Implementation of X-ray fluorescence microscopy for investigation of elemental abnormalities in Amyotrophic Lateral Sclerosis.
Neurochem. Res. 4 (2006) 331
- D.M. TROTS, A.N. SKOMOROKHOV, M. KNAPP, H. FUESS
High-temperature behaviour of average structure and vibrational density of states in the ternary superionic compound AgCuSe.
Eur. Phys. J. B 51 (2006) 507
- J. TSUWI, L. HARTMANN, F. KREMER, D. POSPIECH, D. JEHNICHEN, L. HÄUSSLER
Molecular dynamics in semifluorinated side-chain polyesters as studied by broadband dielectric spectroscopy.
Polymer 47 (2006) 7189
- D. UHRIKOVA, A. LENGYEL, M. HANULOVA, S.S. FUNARI, P. BALGAVY
The structural diversity of DNA-neutral phospholipids-divalent metal cations aggregates: a small-angle synchrotron X-ray diffraction study.
Eur. Biophys. J. 2006 (2006) 2
- A. UMICEVIC, H.E. MAHNKE, B. CEKIC, J. GRBOVIC, V. KOTESKI, J. BELOSEVICCAVOR
SEM and XRD Characterization of Ni-Hf Alloys at Low Hf Concentration.
Mater. Sci. Forum 518 (2006) 325
- M.W.E. VAN DEN BERG, S. POLARZ, O.P. TKACHENKO, K.V. KLEMENTIEV, M. BANDYOPADHYAY, L. KHODEIR, H. GIES, M. MUHLER, W. GRUENERT
Cu/ZnO aggregates in siliceous mesoporous matrices – Development of a new model methanol synthesis catalyst.
Journal of Catalysis 241 (2006) 446
- J.T. VAN ELTEREN, Z. SLEJKOVEC, I. ARCON, H.J. GLASS
An interdisciplinary physical-chemical approach for characterisation of arsenic in a calciner residue dump in Cornwall (UK).
Environ. Pollut. 139 (2006) 477
- S. VANIS, O. RHEINBACH, A. KLAWONN, O. PRYMAK, M. EPPLE
Numerical computation of the porosity of bone substitution materials from synchrotron micro computer tomographic data.
Mat. Wiss. Werkstofftech. 37 (2006) 469
- Z. VARGA, A. BOTA, G. GOERIGK
Localization of dibromophenol in DPPC/water liposomes studied by anomalous small-angle X-ray scattering.
J. Phys. Chem. B 110 (2006) 11029
- V. VASHOOK, L. VASYLECHKO, N. TROFIMENKO, M. KUZNECOV, P. OTCHIK, J. ZOSEL, U. GUTH
A-site deficient perovskite-type compounds in the ternary CaTiO₃ – LaCrO₃ – La_{2/3}TiO₃ system.
Journal of Alloys and Compounds 419 (2006) 271
- L. VASYLECHKO, W. SCHNELLE, M. SCHMIDT, U. BURKHARDT, H. BORRMANN, U. SCHWARZ, YU. GRIN
Valence behaviour of ytterbium in YbNiGa₄.
Journal of Alloys and Compounds 416 (2006) 35
- S. VETTER, V. ABETZ, G. GOERIGK, I. BUDER, S.P. NUNES
Polyetherketones for fuel cell application.
Desalination 199 (2006) 289
- J.C. VIANA, J.F. MANO, Z. DENCHEV, M.J. OLIVEIRA, M.C. CRAMEZ
Nanostructure evolution during uniaxial deformation of PET – a WAXS and SAXS study using synchrotron radiation.
Mater. Sci. Forum 514-516 (2006) 1587
- J. VOIGT, E. KENTZINGER, U. RUECKER, W. SCHWEIKA, D. WERMEILLE, W. SCHMIDT, TH. BRUECKEL
Structural and magnetic properties of [Er/Tb] multilayers.
Eur. Phys. J. B 49 (2006) 451
- D. VOJTĚCH, J. VERNER, B. BÁRTOVÁ, K. SAKSL
Rapid solids hold hope for strong aluminium alloys.
Metal Powder Rep. 61 (2006) 32
- Thermal Stability of Rapidly Solidified Alloys of Aluminium with Transition Metals.
Mater. Sci. Forum 519–521 (2006) 389
- D. VOJTĚCH, K. SAKSL, J. VERNER, B. BÁRTOVÁ
Structural evolution of rapidly solidified Al-Mn and Al-Mn-Sr alloys.
Materials Science and Engineering A: Structural Materials: Properties, Microstructure and Processing 428 (2006) 188
- R. VON PIETROWSKI, K. VON HAEFTEN, T. LAARMANN, T. LAARMAN, T. MOELLER, L. MUSEUR, A. KANAEV
Electronic and geometric structure of doped rare-gas clusters: surface, site and size effects studied with luminescence spectroscopy.
Eur. Phys. J. D 38 (2006) 323
- H. WABNITZ ET AL.
Generation of attosecond pulses in molecular nitrogen.
Eur. Phys. J. D 40 (2006) 305

- G. WALTER, G. GOERIGK, C. RUESSEL
The structure of phosphate glass evidenced by small angle X-ray scattering.
J Non Cryst Solids 352 (2006) 4061
- Y. WANG, S.S. FUNARI, J.F. MANO
Influence of semicrystalline morphology on the glass transition of poly(L-lactic acid).
Macromol. Chem. Phys. 207 (2006) 1262
- M. WASIUCIONEK, J. GARBARCZYK, R. BACEWICZ, P. JOZWIAK, J.L. NOWINSKI
EXAFS/XANES studies of the local structure of amorphous ionic and electronic-ionic conductors.
Mater. Sci. 24 (2006) 181
- M. WEHMÖLLER, K. NEUKING, M. EPPLE, T. ANNEN, H. EUFINGER
Mechanical characteristics of functionally graded biodegradable implants for skull bone reconstruction.
Mat. Wiss. Werkstofftech. 37 (2006) 413
- R. WEISS, S. VUKOJEVIC, C. BALTES, R. NAUMANN D'ALNONCOURT, M. MUHLER, M. EPPLE
Copper/zinc L-tartrates: Mixed crystals and thermolysis to a mixture of copper oxide and zinc oxide that is catalytically active in methanol synthesis.
Eur. J. Inorg. Chem. 2006 (2006) 4782
- R. WEISS, Y. GUO, S. VUKOJEVIC, L. KHODEIR, R. BOESE, F. SCHÜTH, M. MUHLER, M. EPPLE
Catalytic activity of copper oxide/zinc oxide composites prepared by thermolysis of crystallographically defined bimetallic coordination compounds.
Eur. J. Inorg. Chem. 2006 (2006) 1796
- H.R. WENK, E. RYBACKI, G. DRESEN, I. LONARDELLI, N. BARTON, H. FRANZ, G. GONZALEZ
Dauphine twinning and texture memory in polycrystalline quartz. Part I: Experimental deformation of novaculite.
Phys. Chem. Miner. 33 (2006) 667
- G.L. WHITING, H.J. SNAITH, S. KHODABAKHSH, J.W. ANDREASEN, D.W. BREIBY, M.M. NIELSEN, N.C. GREENHAM, R.H. FRIEND, W.T.S. HUCK
Enhancement of charge-transport characteristics in polymeric films using polymer brushes.
Nano Lett. 6 (2006) 578
- K. WIETESKA, W. WIERZCHOWSKI, W. GRAEFF, G. GAWLIK
X-ray synchrotron diffraction studies of III-V semiconductor compounds implanted with hydrogen.
Phys. Status Solidi A 203 (2006) 227
- M. WILKE, C. SCHMIDT, F. FARGES, V. MALAVERGNE, L. GAUTRON, A. SIMIONOVICI, M. HAHN, P.-E. PETIT
Structural environment of iron in hydrous aluminosilicate glass and melt-evidence from X-ray absorption spectroscopy.
Chem. Geol. 229 (2006) 144
- G.J. WILLIAMS, M.A. PFEIFER, I.A. VARTANYANTS, I.K. ROBINSON
Internal structure in small Au crystals resolved by three-dimensional inversion of coherent x-ray diffraction.
Phys. Rev. B 73 (2006) 094112
- A. WITKOWSKA, B. PADLYAK, J. RYBICKI
Influence of the rare-earth impurities on the Ga and Ge local structure in the $\text{Ca}_3\text{Ga}_2\text{Ge}_3\text{O}_{12}$ glass.
J Non Cryst Solids 352 (2006) 4346
- F. WITTE, J. FISCHER, F. FEYERABEND, P. MAIER, C. BLAWERT, W. DIETZEL, N. HORT
Biodegradable magnesium-hydroxyapatite metal matrix composites.
Biomater 1 (2006) 8
- E. WOLSKA, J. DARUL, W. NOWICKI, P. PISZORA, M. TOVAR, O. PROKHENKO, C. BAEHTZ, M. KNAPP
X-ray and neutron diffraction studies on cation distribution in the LiMn_2O_4 spinel solid solutions.
Acta Crystallogr. A, Found. Crystallogr. A62 (2006) 117
- E. WOLSKA, M. TOVAR, B. ANDRZEJEWSKI, W. NOWICKI, J. DARUL, P. PISZORA, M. KNAPP
Structural and magnetic properties of the iron substituted lithium-manganese spinel oxides.
Solid State Sci. 8 (2006) 31
- C. WOLTZ, A. JENTYS, J.A. LERCHER
Improving bifunctional zeolite catalysts for alkane hydroisomerization via gas phase sulfation.
Journal of Catalysis 237 (2006) 337
- H.P. WU, J.F. LIU, L. NIU, Y.W. WANG, G.L. LV, Y.W. ZENG, L.N. WANG, G.Q. ZHANG, J.Z. JIANG
Synthesis of Monodisperse GeO_2 Nanocubes via Reverse Micelle.
Chemical Science 18 (2006) 1822
- H.P. WU, J.F. LIU, Y.W. WANG, Y.W. ZENG, J.Z. JIANG
Preparation of Ge nanocrystals via ultrasonic solution reduction method.
Materials Letters 60 (2006) 990
- H.P. WU, M.Y. GE, C.W. YAO, Y.W. WANG, Y.W. ZENG, L.N. WANG, G.Q. ZHANG, J.Z. JIANG
Blue-emission of Ge nanocrystals prepared by thermal decomposition.
Nanotechnology 17 (2006) 5345
- L. YANG ET AL.
Design of Cu_8Zr_5 -based bulk metallic glasses.
Appl. Phys. Lett. 88 (2006) 241915
- Y. YANG, W.K. WANG, R.P. LIU, Z.J. ZHAN, L.L. SUN, J. ZHANG, J.Z. JIANG, L. YANG, C. LATHE
Crystallization of $\text{Zr}_{41}\text{Ti}_{14}\text{Cu}_{12.5}\text{Ni}_{10}\text{Be}_{22.5}$ bulk metallic glass under high pressure examined by in situ synchrotron radiation x-ray diffraction.
J. Appl. Phys. 99 (2006) 023525

- S.-B. YI, C.H.J. DAVIES, H.-G. BROKMEIER, R.E. BOLMARO, K.U. KAINER, J. HOMEYER
Deformation and texture evolution in AZ31 magnesium alloy during uniaxial loading.
Acta Mater 54 (2006) 549
- S. YIN ET AL.
Absence of ferromagnetic behavior in bulk polycrystalline $Zn_{0.9}Co_{0.1}O$.
Phys. Rev. B 73 (2006) 224411
- N. ZABUKOVEC LOGAR, M. SILJEG, I. ARCON, A. MEDEN, N. NOVAK TUSAR, S. CERJAN STEFANOVIĆ, J. KOVAČ, V. KAUCIĆ
Sorption of Cr^{3+} on clinoptilolite tuff: A structural investigation.
Micropor. Mesopor. Mat. 93 (2006) 275
- R. ZETTLER, T. DONATH, J.F. DOS SANTOS, F. BECKMANN, D. LOHWASSER
Validation of marker material flow in 4mm thick friction stir welded Al 2024-T351 alloy through computer microtomographic and dedicated metallographic techniques.
Advanced Engineering Materials 8 (2006) 487
- G.Q. ZHANG, Q.K. JIANG, L.Y. CHEN, M. SHAO, J.F. LIU, J.Z. JIANG
Synthesis of centimeter-size Ag-doped Zr-Cu-Al metallic glasses with plasticity.
Journal of Alloys and Compounds 242 (2006) 179
- B. ZIAJA, A.R.B. DE CASTRO, E. WECKERT, T. MOELLER
Modelling dynamics of samples exposed to free-electron-laser radiation with Boltzmann equations.
Eur. Phys. J. D 40 (2006) 480 and DESY 05-258
- B. ZIAJA, R.A. LONDON, J. HAJDU
Ionization by impact electrons in solids: Electron mean free path fitted over a wide energy range.
J. Appl. Phys. 99 (2006) 033514 and DESY 05-084
- G.A. ZICKLER, S. JAEHNERT, W. WAGERMEIER, S.S. FUNARI, G.H. FINDENEGG, O. PARIS
Physisorbed films in periodic mesoporous silica studied by in situ synchrotron small-angle diffraction.
Phys. Rev. B 73 (2006) 184109
- G. ZIMMERER
Luminescence spectroscopy with synchrotron radiation: History, highlights, future.
J. Lumin. 119-120 (2006) 1
- N. ZOEGER ET AL.
Lead accumulation in tidemark of articular cartilage.
Osteoarthritis and Cartilage 14 (2006) 913
- YU. ZORENKO, M. PASHKOVSKY, A. VOLOSHINOVSKII, B. KUKLINSKI, M. GRINBERG
The luminescence of $CaWO_4:Bi$ single crystals.
J. Lumin. 116 (2006) 43
- YU. ZORENKO
Luminescence of La^{3+} and Sc^{3+} isoelectronic impurities in $Lu_3Al_5O_{12}$ single crystalline films.
Opt. Spectrosc. 100 (2006) 617
- E. ZYCH, J. TROJAN-PIEGZA
Low Temperature Luminescence of $Lu_2O_3:Eu$ upon Excitation with Synchrotron Radiation in the Vicinity of Band Gap Energy.
Chem. Mater. 18 (2006) 2199
- Preprints und Interne Berichte**
- F. ANIA, F.J. BALTA CALLEJA, S. HENNING, A. TIMMANN, E. BAER, A. HILTNER
USAXS study of the nanolayered structure of two alternating glassy polymers.
HASYLAB Annual Report 2006
- R. BRANDT, C. MEIER, G. REICHENAUER, H.-P. EBERT
Small and wide angle X-ray scattering investigation of SiO_x micro-encapsulated Na_2CO_3 hydrates.
HASYLAB 2006_3
- S. BRAXMEIER, G. REICHENAUER, H.-P. EBERT
Analysis of the porosity of expanded graphite upon infiltration with salt and salt hydrates.
HASYLAB 2006_2
- A. FLORES, M. PIERUCCINI, F.J. BALTA-CALLEJA
Recrystallization of PET annealed from the glassy state relating to the rigid amorphous phase.
HASYLAB Annual Report 2006
- G. GELONI, E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YURKOV
Fourier Optics Treatment of Classical Relativistic Electrodynamics.
DESY 06-127
- Longitudinal Wake Field for an Electron Beam Accelerated through a Ultra-High Field Gradient.
DESY 06-222
- Statistical Optics Approach to the Design of Beamlines for Synchrotron Radiation.
DESY 06-037
- G. GELONI, E. SALDIN, E. SCHNEIDMILLER, M. YURKOV
Fourier Optics Treatment of Classical Relativistic Electrodynamics.
DESY 06-127
- Longitudinal Wake Field for an Electron Beam Accelerated through a Ultra-High Field Gradient.
DESY 06-222
- Statistical Optics Approach to the Design of Beamlines for Synchrotron Radiation.
DESY 06-037
- S. LINSER, S.S. FUNARI, R. WILLUMEIT
The acyl chain composition influences the interaction of the antibacterial peptide NKCS with phosphatidyl-ethanolamine model membranes.
HASYLAB Annual Report 2006
- M. MARAZZI, P. HUANG
A user interface for programming in IGOR Pro.
HasyLab annual report 480-1343

C. SCHERDEL, T. SCHERB, G. REICHENAUER
Small-Angle-X-Ray-Scattering: An Indispensable Tool for the
Characterisation of Carbon Composites with Closed Pores.
HASYLAB 2006.1

I.A. VARTANYANTS, I.K. ROBINSON, I. MCNULTY, C. DAVID,
TH. TSCHENTSCHER, P. WOCHNER
Coherent X-ray Scattering and Lenseless Imaging in Material
Science, Chapter 6.4.3, p. 265, in XFEL The European X-Ray
Free-Electron Laser, Technical Design Report.
DESY 2006-097

Veröffentlichte Vorträge

**Proc. of 13. Vortragstagung der GDCh-Fachgruppe
Festkörperchemie und Materialforschung, Aachen/DE**
Z. Anorg. Allg. Chem. 632 (2006)

S. EBBINGHAUS, R. AGUIAR, D. LOGVINOVICH,
A. WEIDENKAFF
Stickstoff-Substitutionen in Perowskiten.
Z. Anorg. Allg. Chem. 632 (2006) 2087

U. RUSCHEWITZ, W. KOCKELMANN, B. ZIBROWIUS
Fehlordnung von C₂-Hanteln in der Hochtemperaturmodifikation
von Na₂C₂ und K₂C₂.
Z. Anorg. Allg. Chem. 632 (2006) 2100

I. STEIN, U. RUSCHEWITZ
Negative thermische Ausdehnung in wasserfreien Salzen der
Acetylendicarbonsäure.
Z. Anorg. Allg. Chem. 632 (2006) 2098

D. WANDNER, U. RUSCHEWITZ, M. ABD-ELMEGUID,
M.A. AHMIDA, O. HEYER
Synthese, strukturelle und physikalische Charakterisierung von
EuC₂.
Z. Anorg. Allg. Chem. 632 (2006) 2099

Proc. of ECRS 7, Berlin/DE

Mater. Sci. Forum 524-525 (2006)

H.A. CROSTACK, U. SELVADURAI-LASSL, W. TILLMANN,
M. GATHEN, C. KRONHOLZ, T. WROBLEWSKI, A. ROTHKIRCH
Residual stresses in sintered diamond-cobalt composites.
Mater. Sci. Forum 524-525 (2006) 787

B. HASSE, M. KOCAK, W. REIMERS
Determination of residual stress fields with high local resolution.
Mater. Sci. Forum 524-525 (2006) 279

C. JURICIC, H. PINTO, T. WROBLEWSKI, A. PYZALLA
Dependence of Oxidation Behavior and Residual Stresses in Oxide
Layers on Armco Iron Substrate Surface Condition.
Mater. Sci. Forum 524-525 (2006) 968

T. MANNS, J. GIBMEIER, B. SCHOLTES
Determination of real space residual stress distributions $\sigma_{ij}(z)$ of
surface treated materials with diffraction methods Part I:
Angle-dispersive approach.
Trans Tech Publications (2006) 31

E. WILD, W. REIMERS
Residual stresses and microstructure in the rail/wheel contact zone
of a worn railway wheel.
Mater. Sci. Forum 45 (2006) 1155

T. WROBLEWSKI, A. BJEUMIKHOV, B. HASSE
Micro diffraction imaging of bulk polycrystalline materials.
Mater. Sci. Forum 524-525 (2006) 278

Proc. of EPAC'06, Edinburgh/UK

EPS-AG (2006)

A. AZIMA, S. DÜSTERER, H. SCHLARB, J. FELDHAUS,
A. CAVALIERI, D. FRITZ, K. SENGSTOCK
Jitter Measurement by Spatial Electro-Optical Sampling at the
Flash Free Electron Laser.
EPS-AG (2006) 71

H. SCHLARB ET AL.
Comparative Study of Bunch Length and Arrival Time
Measurements at FLASH.
JACoW (2006) 3

M. TISCHER, K. BALEWSKI, M. SEIDEL, L. YONGJUN,
P. VOBLY, V. KUZMINYKH, A. KRASNOV, K. ZOLOTARIOV,
E. LEVICHEV
Status of the PETRA III Damping Wigglers.
Joint Accelerator Conferences Website (JACoW) (2006) 3565

V. ZIEMANN, N. JAVAHIRALY, P. VAN DER MEULEN,
M. LARSSON, E. SALDIN, H. SCHLARB, E. SCHNEIDMILLER,
A. WINTER, M. YURKOV
Technical Aspects of the Integration of the Optical Replica
Synthesizer for the Diagnostics of Ultra-Short Bunches in FLASH
at DESY.
JACoW (2006) 3

Proc. of ISLNOM-4, Prague/CZ

Czech Technical University in Prague (2006)

V. KOLOBANOV, V. MIKHAILIN, N. PETROVNIN, D. SPASSKY,
V. RANDOSHKIN, N. VASILIEVA
Excitonic structure in GGG single crystalline films.
Czech Technical University in Prague (2006) 38

N. KRUTYAK, M. GRINBERG, A. KORNÝLO, M. PASHKOVSKY,
V. SAVCHIN, D. SPASSKY
Luminescent properties of PbWO₄:F single crystals under different
excitations.
Czech Technical University in Prague (2006) 117

P. LYKOV, L. IVLEVA, I. VORONINA, L. BEREZOVSKAYA,
V. KOLOBANOV, D. SPASSKY
MgMoO₄: growth experiment, optical and luminescence
properties.
Czech Technical University in Prague (2006) 46

V. RANDOSHKIN, N. VASILIEVA, V. KOLOBANOV,
V. MIKHAYLIN, N. PETROVNIN, D. SPASSKY, N. SYSOEV,
M. TIMOSHECHKIN

Tb-containing single crystal garnets as materials for radiographic screens.

Czech Technical University, Prague (2006) 130

D. SPASSKY, I. KITAEVA, V. KOLOBANOV, V. MIKHAILIN, L. IVLEVA, I. VORONINA

Luminescence properties of the perspective laser host single crystals SrWO₄ and BaWO₄.

Czech Technical University in Prague (2006) 135

YU. ZORENKO ET AL.

Luminescence and scintillation properties of Pr-doped single crystalline films of garnets and perovskites.

Czech Technical University (2006) 124

Proc. of ISSRNS-8, Zakopane/PL

Acta Phys. Pol. A 109 (2006)

A. BANAS, K. BANAS, G. FALKENBERG, G. DYDUCH, W.M. KWIATEK

Elemental mapping of prostate tissue by micro-SRIXE.

Acta Phys. Pol. A 109 (2006) 329

E. DYNOWSKA, W. SZUSZKIEWICZ, A. SZCZEPANSKA, P. ROMANOWSKI, C. LATHE

High-Pressure Phase Transitions in (CdMn)Te and Cd(TeSe) Ternary Compounds.

Synchrotron Rad. in Nat. Sci. 5 (2006) 60

K. DZIEDZIC-KOCUREK, A. BANAS, W.M. KWIATEK, J. STANEK

XANES and Mössbauer spectroscopy in study of iron valance states in tissues.

Acta Phys. Pol. A 109 (2006) 347

W.M. KWIATEK, A. BANAS, K. BANAS, A. KISIEL, G. CINQUE, G. FALKENBERG

Preliminary study on chemical speciation of sulphur in cancerous tissues.

Acta Phys. Pol. A 109 (2006) 389

W.M. KWIATEK, A. BANAS, K. BANAS, M. PODGORCZYK, G. FALKENBERG, G. DYDUCH, M. GAJDA, T. CICHOCKI

Distinguishing prostate cancer from hyperplasia.

Acta Phys. Pol. A 109 (2006) 383

C. LATHE, H.J. MUELLER, F.R. SCHILLING, H.J. REICHMANN, J. LAUTERJUNG

HARWI-II: A New High Pressure Beamline Equipped with a Large-Volume Press, MAX200x.

Synchrotron Rad. in Nat. Sci. 5 (2006) 114

Proc. of LUMDETR 2006, Lviv/UA

LIGA_PRESS (2006)

I.V. BEREZOVSAYA, N.P. EFRYUSHINA,

A.S. VOLOSHINOVSKII, G.B. STRYGANYUK, P.V. PIR, V.P. DOTSENKO

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LIGA_PRESS (2006) 257

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LIGA-PRESS (2006) 54

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Luminescence properties of Ca₃Ga₂Ge₄O₁₄ crystals.

LIGA-PRESS (2006) 258

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LIGA-PRESS (2006) 255

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LIGA-PRESS (2006) 147

P. SAVCHYN, S. MYAGKOTA, T. DEMKIV, G. STRYGANYUK, JU. DATSIUK, A. VOLOSHINOVSKII

Luminescent properties of Sn-based microcrystals embedded in CsBr matrix.

LIGA-PRESS (2006) 214

S.V. SYROTYUK, YA.M. CHORNODOLSKYY,

G.B. STRYGANYUK, A.S. VOLOSHINOVSKII, P.A. RODNYI

The analysis of core-valence luminescence in CsCl on base of electronic energy bands, evaluated within mixed basis approach.

LIGA-PRESS (2006) 126

Proc. of MFMN 2006, Cranfield, Bedfordshire/UK

euspen (2006)

A. LANKINEN, T. LANG, S. SUIHKONEN, T.O. TUOMI, M. ODNOLYUDOV, V. BOUGROV, P.J. MCNALLY,

A.N. DANILEWSKY, P. BERGMAN, R. SIMON

Dislocations at the interface between sapphire and GaN. euspen (2006) 37

O. REENTILÄ, A. LANKINEN, A. SÄYNÄTJOKI, M. MATTILA, T.O. TUOMI, H. LIPANEN, L. O'REILLY, P.J. MCNALLY

In situ reflectance monitoring of thick GaAsN layers.

euspen (2006) 29

T.O. TUOMI, A. LANKINEN, A. SÄYNÄTJOKI, P.J. MCNALLY, Y. ZHILYAEV, L. FEDOROV

Dislocations of GaAs p-i-n diode structures grown by hydride vapour phase epitaxy.

euspen (2006) 130

Proc. of SCINT 2005, Alushta/UA

NTC „Institute for Single Crystals“ (2006)

O. CHUKOVA, S. NEDILKO, V. SCHERBATSKYI
Effects of RE doping on formation of emission centers in PbWO₄ crystals.

NTC „Institute for Single Crystals“ (2006) 354

YU.A. HIZHNYI, S.G. NEDILKO
Ab-initio investigation of luminescence centres in tungstate crystals.

NAS of Ukraine (2006) 358

S.N. IVANOV, V.N. KOLOBANOV, V.V. MIKHAILIN,
O.V. RZHEVSKAYA, D.A. SPASSKY, B.I. ZADNEPROVSKI,
L. JONSSON, G. SVENSSON
Luminescence of the set of tungstate crystals with wolframite structural type.

NTC „Institute for Single Crystals“ (2006) 375

M. KIRM, V. BABIN, A. GEKTIN, V. NAGIRNYI, N. SHIRAN,
V. VORONOVA, V. NESTERKINA, K. SHIMAMURA,
E.G. VILLORA

Spectroscopic investigations of fluoride based scintillating materials.

National Academy of Sciences of Ukraine (2006) 20

I. KITAEVA, V. KOLOBANOV, V. MIKHAILIN, D. SPASSKY,
O. BARINOVA, S. KIRSANOVA, L. IVLEVA, I. VORONINA
Investigation of Molybdate Single Crystals with Light Cations.

NTC „Institute for Single Crystals“ (2006) 44

V.N. MAKHOV, M. KIRM, G. ZIMMERER
Intrinsic luminescence of CsF.

ISMA (2006) 74

V. NAGIRNYI ET AL.
Conduction band structure in oxyanionic crystals.

Institute for Scintillation Materials (2006) 36

S. NEICHEVA, N. SHIRAN, M. KIRM, M. WEBER,
K. SHIMAMURA
Intrinsic scintillations in LiCaAlF₆ crystals.

National Academy of Sciences of Ukraine (2006) 67

T.N. NIKOLAENKO, YU.A. HIZHNYI, S.G. NEDILKO
Theoretical investigation of the optical and luminescence properties of ZnWO₄ and CdWO₄.

NAS of Ukraine (2006) 40

E. RADZHABOV, M. KIRM, A. EGRANOV,
A. NEPOMNYASHCHIKH, A. MYASNIKOVA
Mechanism of exciton suppression in alkali-earth fluorides doped with La, Y, Cd.

National Academy of Sciences of Ukraine (2006) 60

N. SHIRAN, A. GEKTIN, V. NESTERKINA, V. BAUMER,
M. KIRM, V. NAGIRNYI, K. SHIMAMURA, E. VILLORA
Energy Conversion of UV, VUV and X-ray Radiation into Red Emission in Ca_{1-x}Eu_xF_{2+x} Crystal.

National Academy of Sciences of Ukraine (2006) 419

Y. ZORENKO, V. GORBENKO, I. KONSTANKEVYCH,
V. SAVCHYN, T. ZORENKO, S. NEDILKO, M. BATENCHUK,
A. OSVET, A. WINNACKER, G. ZIMMERER
Growth and scintillation properties of single crystalline films of Tb₃Al₅O₁₂:Ce garnet.

Akta (2006) 219

YU. ZORENKO ET AL.
Scintillation and luminescence properties of the YAP and LuAP:Ce single crystalline films in comparison with their bulk crystal analogues.

Akta (2006) 211

Scintillation and luminescence properties of the YAP:Ce and LuAP:Ce single crystalline films in comparison with their bulk crystal analogues.

NTC „Institute for Single Crystals“ (2006) 211

Scintillators based on YAG:Ce and LuAG:Ce single crystalline films: non-trivial advantages over bulk crystal analogues.

NTC „Institute for Single Crystals“ (2006) 205

Proc. of SPIE2006, San Diego/USA

SPIE (2006)

F. BECKMANN, T. DONATH, J. FISCHER, T. DOSE,
T. LIPPMANN, L. LOTTERMOSER, R.V. MARTINS,
A. SCHREYER

New developments for synchrotron-radiation-based microtomography at DESY.

SPIE (2006) 631810

H.-A. CROSTACK, J. NELLESEN, G. FISCHER, S. SCHMAUDER,
U. WEBER, F. BECKMANN

Tomographic Analysis and FE-Simulations of MMC-Microstructures under Load.

SPIE – The international Society for Optical Engineering (2006) 63181A

M. DALSTRA, P.M. CATTANEO, F. BECKMANN, M.T. SAKIMA,
C. LEMOR, M.G. LAURSEN, B. MELSEN
Microtomography of the human tooth-alveolar bone complex.

SPIE (2006) 04

T. DONATH, F. BECKMANN, A. SCHREYER
Image metrics for the automated alignment of microtomography data.

SPIE (2006) 631818

B. MÜLLER ET AL.
Anatomy of the murine and human cochlea visualized at the cellular level by synchrotron-radiation-based microcomputed tomography.

SPIE (2006) 631807

B. MÜLLER, M. GERMANN, D. JEAMONOD, A. MOREL
Three-dimensional assessment of brain tissue morphology.

SPIE (2006) 631805

C.G. SCHROER ET AL.
Full-field and scanning microtomography based on parabolic refractive x-ray lenses.

SPIE (2006) 63181H

T. WALTHER, K. TERZIC, T. DONATH, H. MEINE,
F. BECKMANN, H. THOEMEN
Microstructural analysis of lignocellulosic fiber networks.
SPIE (2006) 631812

F. WITTE, J. FISCHER, J. NELLESEN, F. BECKMANN
Microtomography of Magnesium Implants in Bone and their
Degradation.
SPIE (2006) 631806

Proc. of SR-2006, Novosibirsk/RU
NFI (2006)

A.P. MENUSHENKOV, R.V. CHERNIKOV, O.V. KASHURNIKOVA,
K.V. KLEMENTIEV, G.KH. PANOVA, A.A. SHIKOV
Local structure of $Zr_{70}Pd_{30}$: EXAFS data analysis.
NFI (2006) 76

A.P. MENUSHENKOV, R.V. CHERNIKOV, V.V. SIDOROV,
K.V. KLEMENTIEV, P.A. ALEKSEEV, V.N. LAZUKOV,
K.S. NEMKOVSKI, E.V. NEFEDOVA
Correlation of the local electronic and crystalline structure in the
mixed-valent rare-earth compounds.
INP (2006) 69

V. PUSTOVAROV, V. IVANOV, M. KIRM, A. KIKAS, K. KOOSER,
T. KAAMBRE, A. KRUSHALOV, E. ZININ
Inner-shell excitation of intrinsic luminescence and resonantly
excited X-ray fluorescence at Be 1s edge in oriented BeO crystals.
Budker Institute of Nuclear Physics SB RAS (2006) 66

Proc. of XAFS13, Stanford/USA
AIP (2006)

R.V. CHERNIKOV, A.P. MENUSHENKOV, V.V. SIDOROV,
K.V. KLEMENTIEV, P.A. ALEKSEEV, K.S. NEMKOVSKI,
E.V. NEFEDOVA
Local structure peculiarities of $EuCu_2Si_2$: XAFS data analysis.
AIP (2006) TU-PO.67, 123, DESY 03-547

K.V. KLEMENTIEV, A.P. MENUSHENKOV, R.V. CHERNIKOV,
O.V. KASHURNIKOVA, G.KH. PANOVA, A.A. SHIKOV
XAFS-study of Zr-based quasicrystals.
AIP (2006) WE-PO.67, 222

A.P. MENUSHENKOV, R.V. CHERNIKOV, V.V. SIDOROV,
P.A. ALEKSEEV, E.V. NEFEDOVA, K.S. NEMKOVSKI,
K.V. KLEMENTIEV
XAFS of homogeneous mixed valent state in $Sm(Y)S$.
AIP (2006) WE-PO.85, 233, DESY 05-685; DESY 03-545

Weitere Konferenzen

M. ALTARELLI
Resonant X-ray Scattering: a Theoretical Introduction.
Proc. of Magnetism: a Synchrotron Radiation Approach,
Mittelwahr/FR
Springer (2006) 201

N.H. ANDERSEN, J. JENSEN, T.B.S. JENSEN, R. PINHOLT,
M. v. ZIMMERMANN, K. NØRGAARD TOFT,
A.B. ABRAHAMSEN, P. HEDEGÅRD, P.C. CANFIELD
Magnetic and quadrupolar ordering in $TmNi_2B_2C$.
Proc. of ICNS2005, Sydney/AU
Physica B 385-386 (2006) 63

C. BARBATTI, F. SKET, D. EYIDI, J. GARCIA, A. PYZALLA
SEM and TEM Investigations of (W,Ti)C-(Co,Ni,Fe) Graded
Hardmetals.
Proc. of 12. Internationale Metallographie-Tagung, Leoben/AT
Werkstoff-Informationsgesellschaft mbH (2006) 239

R. BERNHARDT, D. SCHARNWEBER, B. MÜLLER,
F. BECKMANN, J. GOEBBELS, J. JANSEN, H. SCHLIEPHAKE,
H. WORCH
3D analysis of bone formation around titanium implants using
micro computed tomography (μ CT).
Proc. of SPIE2006, San Diego/USA
The SPIE-The International Society for Optical Engineering
(2006) 631807

M. DALSTRA, P.M. CATTANEO, F. BECKMANN
Three-dimensional structure of the dentoalveolar process studied
with synchrotron radiation-based microtomography.
Proc. of 8th International Conference on Biological Mechanisms
of Tooth Eruption, Resorption and Movement, Phuket/TH
The Harvard Society for the Advancement of Orthodontics (2006)
245

E. FELDBACH, A. KOTLOV, I. KUDRYAVTSEVA, P. LIBLIK,
A. LUSHCHIK, A. MAAROOS, I. MARTINSON, V. NAGIRNYI,
E. VASILCHENKO
Low-temperature irradiation effects in lithium orthosilicates.
Proc. of REI-2005, Santa Fe/USA
Nucl. Instrum. Methods B 250 (2006) 159

F. FIERZ, B. LEUKERS, Ö. DEGISTIRICI, S. IRSEN,
F. BECKMANN, B. MÜLLER
Design and Characterization of 3D-Printed Hydroxyapatite
Scaffolds using Synchrotron-Radiation-based Micro Computed
Tomography.
Proc. of Annual Meeting of the Swiss Society of Biomaterials
2006, Grenchen/CH
Eur. Cells Mat. 11 (2006) 22

G. FLEISSNER, B. STAHL, G. FLEISSNER, G. FALKENBERG
Magnetic nanoparticles alone are not able to explain
ironmineral-based magnetoreception in birds.
Proc. of 24th International Ornithological Congress, Hamburg/DE
Acta Crystallogr. C, Cryst. Struct. Commun. 147 (2006) 74

M. FROTSCHER, W. KLEIN, B. ALBERT, N. COMBES,
J. BAUER, C.M. FANG, J.-F. HALET
 M_2B_4 vs. M_2B_4 structure type ($M = Mo, W$): a new DFT and
crystal structure study.
Proc. of Modellierungen in der Festkörper und Materialchemie, 13
th Conference of GDCh Division for Solid State Chemistry and
Material Research, Aachen/DE
Z. Anorg. Allg. Chem. 12-13 (2006) 2165

- G. GELONI, E. SALDIN, E. SCHNEIDMILLER, M. YURKOV
Fourier Optics Treatment of Classical Relativistic
Electrodynamics.
Proc. of FEL2006, Berlin/DE
JACoW (2006) 501
- G. GELONI, E. SALDIN, E. SCHNEIDMILLER, M. YURKOV
Fourier Optics Treatment of Classical Relativistic
Electrodynamics.
Proc. of FEL2006, Berlin/DE
BESSY, JACoW (2006) 501
- J.-C. GRIVEL ET AL.
Combined X-ray and electron microscopy study of MgB₂ powders,
wires and tapes.
Proc. of EUCAS'05, Vienna/AT
J. Phys., Conf. Ser. 43 (2006) 107
- J.-C. GRIVEL, N.H. ANDERSEN, R. PINHOLT, P. KOVA,
I. HUSEK, W. HÄSSLER, M. HERRMANN, O. PERNER,
C. RODIG, J. HOMEYER
In-situ studies of Fe₂ phase formation in MgB₂ wires and tapes by
means of high-energy x-ray diffraction.
Proc. of EUCAS'05, Vienna/AT
J. Phys., Conf. Ser. 43 (2006) 123
- U. HAAKE, D. LÜTZENKIRCHEN-HECHT, R. FRAHM
In-situ electrochemical lithium intercalation into amorphous oxide
thin films.
Proc. of ECASIA '05, Vienna/AT
Surf. Interface Anal. 38 (2006) 334
- A. HAGEN, J. OESTBY
Oxidation States of Mn, Cr, and Co in Mixed Spinel Studied by
XANES.
Proc. of Lucerne Fuel Cell Forum 2006, Lucerne/CH
European Fuel Cell Forum (2006)
- S.H. IRSEN, B. LEUKERS, C. TILLE, F. BECKMANN,
B. MÜLLER, H. SEITZ
Image-based analysis of 3D-printed scaffolds for bone
augmentation.
Proc. of Annual Meeting of the Swiss Society of Biomaterials
2006, Grenchen/CH
Eur. Cells Mat. 11 (2006) 11
- A. LENGVEL, M. KOTALOVA, D. UHRIKOVA, S.S. FUNARI,
P. BALGAVY
Interaction of DNA with lipid bilayers in presence metal cations.
Proc. of The 35th Conference of Synthesis and Analysis of Drugs,
Velke Karlovice/CZ
University of Veterinary and Pharmaceutical Sciences (2006) 106
- Interaction of DNA with liposomes in presence of bivalent cations.
Proc. of 29th Days of Medical Biophysics, Bratislava/SK
Bratislava Medical J 107 (2006) 160
- S. LINSER, S.S. FUNARI, R. WILLUMEIT
Development of New Antimicrobial Peptides and Their Interaction
with Model Membranes.
Proc. of 31th FEBS Congress. Molecules in Health and Disease.,
Istanbul/TR
FEBS J. 273 (2006) 70
- D.H. LUMB, M. BAVDAZ, D. MARTIN, A. OWENS,
A. PEACOCK, S. NENONEN, H. ANDERSSON
GaAs array fabrication.
Proc. of Proc. of the SPIE, San Diego/USA
SPIE (2006) 627614
- A. LUSHCHIK, CH. LUSHCHIK, M. KIRM, V. NAGIRNYI,
F. SAVIKHIN, E. VASILCHENKO
Defect creation caused by the decay of cation excitons and hot
electron-hole recombination in wide-gap dielectrics.
Proc. of REI-2005, Santa Fe/USA
Nucl. Instrum. Methods B 250 (2006) 330
- A. LUSHCHIK, S. DOLGOV, T. KÄRNER, CH. LUSHCHIK,
K. SCHWARTZ, E. VASILCHENKO
Peculiarities of long-lived defect creation under irradiation of
metal fluorides and oxides by photons, electrons and ions.
Proc. of RPC-13, Tomsk/RU
Russian Physics Journal 49 (2006) 9
- D. LÜTZENKIRCHEN-HECHT, H.-H. STREHLOW
The anodic oxidation of silver in NaOH: Electrochemistry, ex-situ
XPS and in-situ X-ray absorption spectroscopy.
Proc. of ECASIA '05, Vienna/AT
Surf. Interface Anal. 38 (2006) 690
- E. MAEHLMANN, T. MATTEI, B. PIEP, B. BRENNER, T. KRAFT
Structural properties of two MgADP.AIF₄ states: Is the AIF-II-state
structurally similar to cross-bridges during isometric contraction?
Proc. of Annual Meeting of the Biophysical Society USA, Salt
Lake City/USA
Biophys. J. 90/3 (2006) 495a
- B.A. ORLOWSKI, P. DZIAWA, B. KOWALSKI, I. KOWALIK,
M. PIETRZYK, V. OSINNIY, T. STORY, S. MICKIEWICZ,
R.L. JOHNSON
Resonant photoemission study of Eu_{1-x}Gd_xTe layers.
Proc. of ICTF13/ACSIN8, Stockholm/SE
Appl. Surf. Sci. 252 (2006) 5379
- J. PADEZNIK GOMILSEK, A. KODRE, I. ARCON
Absorpcija rentgenske svetlobe v atomarnem kaliju.
Proc. of 5. konferenca fizikov v osnovnih raziskavah, Gozd
Maruljek/SI
DMFA, Založništvo (2006) 20
- A. PIETNOCZKA, R. BACEWICZ, S. SCHORR
Local structure in (MnS)_{2x}(CuInS₂)_{1-x} alloys.
Proc. of ICTMC 15, Kyoto/JP
Phys. Status Solidi A 203 (2006) 2746

- H. PINTO, J. BRUCKNER, H. HACKL, A. PYZALLA
Microstructure Formation in CMT-, MIG- and Laser-Hybrid Aluminium Welds.
Proc. of 12. Internationale Metallographie-Tagung, Leoben/AT
Werkstoff-Informationsgesellschaft mbH (2006) 247
- D. ROLLES ET AL.
Probing the transition from non-localization to localization by K-shell photoemission from isotope-substituted N₂.
Proc. of X-05, Melbourne/AU
Radiat. Phys. Chem. 75 (2006) 1514
- G.J. SCHNEIDER, D. GÖRITZ
Structural Changes of Precipitated Silica in Stressed Elastomers.
Proc. of DKT 2006, Nürnberg/DE
Deutsche Kautschuk Gesellschaft (2006) 321
- G.J. SCHNEIDER, S.V. ROTH, D. GÖRITZ
Evaluating the Changes in Structural Parameters Due To a Restricted q-Range in Scattering Experiments.
Proc. of KHK 2006, Hannover/DE
Deutsches Institut für Kautschuktechnologie e.V. (2006) 247
- A. SCHROPP, I. VARTANYANTS, C.G. SCHROER, E. WECKERT, C. MOCUTA, T. METZGER, O. KUPAROVA
Coherent X-ray Diffraction Imaging Experiment on ID01 at ESRF.
Proc. of XRM-2005, Himeji/JP
The Institute of Pure and Applied Physics (2006) 383
- A. SENYSHYN, L. VASYLECHKO, H. BOYSEN, H. EHRENBERG, M. HOELZEL, T. HANSEN, H. FUSS
Thermal expansion and atomic vibrations in CaWO₄ studied by neutron and synchrotron powder diffraction.
Proc. of ECM23, Leuven/BE
Acta Crystallogr. A, Found. Crystallogr. 62 (2006) s117
- C. SIEMERS, J. ROESLER, P. JENCUS, J. ERWERT
Verbundwerkstoffe und Werkstoffverbunde.
Proc. of 9. Werkstofftechnisches Kolloquium, Chemnitz/DE
Eigenverlag, Chemnitz (2006) 108
- W. SKROTZKI, B. KLOEDEN, C.-G. OERTEL, N. SCHEERBAUM, H.-G. BROKMEIER, S. SUWAS, L.S. TOTH
Texture gradient in fcc metals deformed by equal channel angular pressing as a function of stacking fault energy.
Proc. of TMS Annual Meeting 2006, San Antonio/USA
TMS (The Minerals, Metals & Materials Society) (2006) 283,
HASYLAB Annual Report 2006
- G. TATON, M. KARWALA-SZYTULA, T. ROK, E. ROKITA, Z. TABOR, A. WROBEL, F. BECKMANN, T. DONATH, J. FISCHER
The Influence of Extremely Low Frequency Magnetic Field on the Mineralization Process.
Proc. of 33rd European Symposium on Calcified Tissues, Prague/CZ
Cal. Tiss. Int. 78 (2006) S70
- E. VASILCHENKO, I. KUDRYAVTSEVA, T. KÄRNER, A. LUSHCHIK, V. NAGIRNYI, S. NAKONECHNYI
Creation of stable defects by VUV radiation, electrons and swift ions in LiF crystals at 8 or 300 K.
Proc. of RPC-13, Tomsk/RU
Russian Physics Journal 49 (2006) 111
- A. VOLOSHINOVSKII, S. MYAGKOTA, G. STRYGANYUK
Luminescence of nanocrystals embedded in dielectric matrices.
Proc. of 6th European Conference on Luminescent Detectors and Transformers of Ionizing Radiation (LUMDETR 2006), Lviv/UA
LIGA-PRESS (2006) 8
- T. WALTHER, H. THOEMEN, K. TERZIC, H. MEINE
New opportunities for the microstructural analysis of wood fibre networks.
Proc. of EPPS 2006, Llandudno/UK
The BioComposites Centre (2006) 23
- F. WITTE, J. FISCHER, P. MAIER, C. BLAWERT, M. STOERMER, N. HORT
Magnesium-Hydroxyapatite Composites as an Approach to Degradable Biomaterials.
Proc. of 7th International Conference on Magnesium Alloys and their Applications, Dresden/DE
Wiley-VCH (2006) 958
- A.J. WOJTOWICZ, W. DROZDOWSKI, D. WISNIEWSKI, J.L. LEFAUCHEUR, Z. GALAZKA, Z.H. GOU, T. LUKASIEWICZ, J. KISIELEWSKI
Scintillation properties of selected oxide monocrystals activated with Ce and Pr.
Proc. of Polish-French-Israeli Symposium on Spectroscopy of Modern Materials in Physics, Bedlewo/PL
Opt. Mater. 28 (2006) 85
- J. WOLLSCHLÄGER, C. DEITER, M. BIERKANDT, A. GERDES, M. BÄUMER, C.R. WANG, B.H. MÜLLER, K.R. HOFMANN
Homogeneous Si Films on CaF₂/Si(111) due to Boron Enhanced Solid Phase Epitaxy.
Proc. of ECOSS 23, Berlin/DE
Surf. Sci. 600 (2006) 5
- Weitere Vorträge wurden von HASYLAB-Mitarbeitern auf folgenden Konferenzen und Tagungen gehalten:**
- HASYLAB Users Meeting, Hamburg/DE (01/2006)
HasyLab Users Meeting 2006, XAFS Satellite Meeting, Hamburg/DE (01/2006)
Gordon Research Conference on Photoions, Photoionization and Photodetachment, Santa Barbara/USA (01/2006)
ECDM IV, Brandenburg/DE (01/2006)
PHEDM 2006, Hirschegg/AT (01/2006)
HERCULES, Grenoble/FR (02/2006)
4th Meeting EDEMAT Network, Alicante/ES (02/2006)

- Workshop by AK14 of DGK, Aachen/DE (02/2006)
- Workshop on X-ray Absorption Spectroscopy and Micro-Spectroscopic Techniques, Villigen/CH (02/2006)
- 16th ESRF Users Meeting, Grenoble/FR (02/2006)
- Freiburger Makromolekulares Kolloquium, Freiburg/DE (02/2006)
- 21st General Conference of the Condensed Matter Division of European Physical Society, Dresden/DE (03/2006)
- SKZ-Fachtagung „Innovative Standardkunststoffe eröffnen neue Märkte“, Würzburg/DE (03/2006)
- DPG 2006, Dresden/DE (03/2006)
- Invited seminar – BESSY, Berlin/DE (03/2006)
- Research Course on New X-ray Sciences Scientific Applications of Coherent X-ray Radiation, Hamburg/DE (03/2006)
- HGF-Workshop “Condensed Matter“, Jülich/DE (03/2006)
- Research Courses on New X-ray Sciences, Scientific Applications of Coherent X-Ray Radiation, Hamburg/DE (03/2006)
39. Jahrestreffen Deutscher Katalytiker, Weimar/DE (03/2006)
- NCCC ‘The Netherlands’ Catalysis and Chemistry Conference, Noordwijkerhout/NL (03/2006)
- DPG/EPS 2006, Dresden/DE (03/2006)
- Leopoldina-Meeting – Der Knochen als Archiv, Munich/DE (03/2006)
- British-German Frontiers of Science Symposium, Wyboston/UK (03/2006)
- International Workshop on Dynamics of Artificial and Biological Membranes, Gomadingen/DE (03/2006)
- ICTMC 15, Kyoto/JP (03/2006)
- DPG 2006, Frankfurt/DE (03/2006)
- Hemdsärmelkolloquium, Kiel/DE (03/2006)
- Chemiedozententagung, Hamburg/DE (03/2006)
- XIII. OFPIP, Mühlleithen, Vogtland/DE (03/2006)
- Detectors for XFEL, Abingdon/UK (03/2006)
- Joint German-Polish Meeting on Crystal Growth, Berlin/DE (03/2006)
- EGU General Assembly, Vienna/AT (04/2006)
- Second International Congress on Operando Spectroscopy, Toledo/ES (04/2006)
- Backbone of the Americas Patagonia to Alaska, Mendoza/AR (04/2006)
- 2006 MRS Spring Meeting, San Francisco/USA (04/2006)
- Nanocomposites 2006, Montpellier/FR (04/2006)
- ISA 2006, Givinazzo/IT (04/2006)
- DGK 2006, Freiburg/DE (04/2006)
- 2nd Workshop of the Oxygen Reduction Network, Ulm/DE (04/2006)
- HB2006, Tsukuba/JP (05/2006)
- ISTDM 2006, Princeton/USA (05/2006)
- HSC1, Grenoble/FR (05/2006)
- E-MRS Spring Meeting, Nice/FR (05/2006)
- E-MRS 2006, Nice/FR (05/2006)
- FA 13 – Eigenspannungen der AWT, Munich/DE (05/2006)
- ACHEMA, Frankfurt/Main/DE (05/2006)
- Third International Scientific Seminar „Modern Methods of Diffraction Data Analysis (X-ray Topography, Diffractometry, Electron Microscopy)“, Veliky Novgorod/RU (05/2006)
- International Symposium on Surface Imaging/Spectroscopy at the Solid/Liquid Interface, Cracow/PL (05/2006)
- 2nd Int. Symposium on „Nanostructured and Functional Polymer-based Materials and Composites“ (NANOFUN-POLY), Lyon/FR (05/2006)
- PETRA III Workshop: First Micro-SAXS/WAXS Beamline, Hamburg/DE (05/2006)
- SRI 2006, Daegu/KR (05/2006)
- 37th ICFA Advanced Beam Dynamics Workshop on Future Light Sources, Hamburg/DE (05/2006)
- 33rd European Symposium on Calcified Tissues, Prague/CZ (05/2006)
- CGU 2006, Banff/CA (05/2006)
- AGU Joint assembly, Baltimore/USA (05/2006)
- 12th International Seminar on Physics and Chemistry of Solids, Lviv/UA (05/2006)
105. Hauptversammlung der Deutschen Bunsen-Gesellschaft für Physikalische Chemie, Erlangen/DE (05/2006)
- BAM Keramiktage, Berlin/DE (05/2006)
- III Congress of Department of Movement Disorder Society of Polish Neurological Society, Jurata/PL (05/2006)
- Bunsentagung 2006, Erlangen/DE (05/2006)
- The 9th International Conference on Synchrotron Radiation Instrumentation, Daegu/KR (05/2006)
- First MicroSAXS/WAXS Beamline Workshop at DESY, Hamburg/DE (05/2006)

- ISSRNS-8, Zakopane/PL (06/2006)
- Kolloquium des Instituts für Eisenhüttenkunde, Aachen/DE (06/2006)
- DGM-Tagung 2006, Berlin/DE (06/2006)
- 48th Polish Crystallographic Meeting, Wroclaw/PL (06/2006)
- 20th Bratislava International Conference on Macromolecules Advanced Polymeric Materials, Bratislava/SK (06/2006)
- EPAC'06, Edinburgh/UK (06/2006)
- 4th International Workshop on Characterization of Porous Materials: From Angstroms to Millimeters, Princeton/USA (06/2006)
- Gordon Research Conferences, High Pressure, Research At, Biddeford/USA (06/2006)
- COMPRES 5th Annual Meeting, Snowbird/USA (06/2006)
- EXRS 2006, Paris/FR (06/2006)
- 6th ICCG, Dresden/DE (06/2006)
80. Glastechnische Tagung, Dresden/DE (06/2006)
- Science et d'Ingenierie Supramoleculaires, Strassbourg/FR (06/2006)
- 48th Crystallographic Meeting, Wroclaw/PL (06/2006)
- Many-particle Spectroscopy of Atoms, Molecules, Clusters and Surfaces, Rome/IT (06/2006)
- 35th International School on the Physics of Semiconducting Compounds Jaszowiec 2006, Jaszowiec -Ustron/PL (06/2006)
- LUMDETR 2006, Lviv/UA (06/2006)
- ISLNOM-4, Prague/CZ (06/2006)
- International Workshop on Advanced Spectroscopy and Optical Materials, Gdansk/PL (06/2006)
- ION2006, Kazimierz Dolny/PL (06/2006)
- SAS 2006, Kyoto/JP (07/2006)
- Lucerne Fuel Cell Forum 2006, Lucerne/CH (07/2006)
- Seminar Institut für Werkstofftechnik, Freiberg/DE (07/2006)
- DKT 2006, Nürnberg/DE (07/2006)
- CARBON2006, Aberdeen/UK (07/2006)
- IMA Kobe, Kobe/JP (07/2006)
- XAFS13, Stanford/USA (07/2006)
- Russia-DESY Workshop on New Generation Light Sources, Moscow/RU (07/2006)
- 9SXNS, Taipei/TW (07/2006)
- International Lodging Seminar, Nagoya/JP (07/2006)
- ISSPIC XIII, Göteborg/SE (07/2006)
- SRPS3, Hyogo/JP (07/2006)
- ACA 2006, Honolulu/USA (07/2006)
- Gordon Research Conference on Electrodeposition, New York/USA (07/2006)
- 18th WCSS 2006, Philadelphia/USA (07/2006)
- 8th International Otto Schott Colloquium, Jena/DE (07/2006)
- NATO Advanced Research Workshop on Brilliant Light Facilities and Research in Life and Material Sciences, Yerevan/AM (07/2006)
- EURODIM 2006, Milano/IT (07/2006)
- ASC, Seattle/USA (08/2006)
- Mercury as a Global Pollutant, Madison/USA (08/2006)
- 1st European Chemistry Congress, Budapest/HU (08/2006)
- Polycondensation 2006, Istanbul/TR (08/2006)
- ECM23, Leuven/BE (08/2006)
- 2nd High-Pressure Workshop, Matsuyama/JP (08/2006)
- 5th Annual Denver X-ray Conference, Denver/USA (08/2006)
- 6th International Conference of the Balkan Physical Union (BPU6), Istanbul/TR (08/2006)
- FEL2006, Berlin/DE (08/2006)
- 16th Annual V. M. Goldschmidt Conference, Melbourne/AU (08/2006)
- ICPOC-18, Warsaw/PL (08/2006)
- 4th International Conference on DV-X α Method, Jeju/KR (08/2006)
- ESF Exploratory Workshop on Carbon-Based Nanostructured Composite Films, Gdansk/PL (08/2006)
- 7th International Congress on Catalysis and Automotive Pollution Control, Brussels/BE (08/2006)
- SPIE2006, San Diego/USA (08/2006)
- Gordon Research Conference on „Membranes: Materials and Processes“, New London, NH/USA (08/2006)
- 5th PSI Summer School on Condensed Matter Research, Zuoz/CH (08/2006)
- Sagamore XV, Warwickshire/UK (08/2006)
- CC-2006, Kharkov/UA (09/2006)
- SLONANO06, Ljubljana/SI (09/2006)
- RPC-13, Tomsk/RU (09/2006)
- ECRS 7, Berlin/DE (09/2006)

- Jahrestagung der Deutschen Mineralogischen Gesellschaft, Hannover/DE (09/2006)
- 3rd Central European Conference, Chemistry towards Biology, Cracow/PL (09/2006)
12. Internationale Metallographie-Tagung, Leoben/AT (09/2006)
- International Conference on Experimental Mineralogy, Petrology and Geochemistry, Bristol/UK (09/2006)
9. Werkstofftechnisches Kolloquium, Chemnitz/DE (09/2006)
- ECOSS 24, Paris/FR (09/2006)
- Biomaterials 2006, Essen/DE (09/2006)
- 44-th EHPRG, Prague/CZ (09/2006)
- Workshop on Properties of Ultrathin Magnetic Films, Bialowieza/PL (09/2006)
- ECSCRM2006, Newcastle upon Tyne/UK (09/2006)
- RMC 3, Budapest/HU (09/2006)
- EPDIC10, Geneva/CH (09/2006)
- ICfe06, Wroclaw/PL (09/2006)
- 5th International Conference on Inorganic Materials, Ljubljana/SI (09/2006)
- IUVSTA ECM-100 Special Symposium and Highlight Seminar, Seoul/KR (09/2006)
- Workshop on Modeling and Data for Electron Spectroscopies: Standardization of Surface Analysis Techniques, Brussels/BE (09/2006)
- Actinide-XAS-2006, Karlsruhe/DE (09/2006)
- E-MRS Fall Meeting 2006, Symposium A, Warsaw/PL (09/2006)
- Workshop on Irradiation-Assisted Methods of Formation and Modification of Metal Nanoparticles in Glasses, Halle/DE (09/2006)
- REFSANS Users Meeting, FRM II, Garching/DE (09/2006)
- DMG 2006, Hannover/DE (09/2006)
- IMC16, Sapporo/JP (09/2006)
- FISV 2006, Riva del Garda/IT (09/2006)
- 2nd User Workshop for SESAME, Al-Baqua University, Amman/JO (09/2006)
- 10th PSE, Garmisch-Partenkirchen/DE (09/2006)
13. Vortragstagung der GDCh-Fachgruppe Festkörperchemie und Materialforschung, Aachen/DE (09/2006)
- SPM Workshop 2006, Dresden/DE (09/2006)
- APERIODIC 2006, Zao, Miyagi/JP (09/2006)
- E-MRS Fall Meeting 2006, Warsaw/PL (09/2006)
- NCM10, Prague/CZ (09/2006)
- International Workshop on Crystallography at High Pressures, Dubna/RU (09/2006)
- E-MRS 2006, Warsaw/PL (09/2006)
- 1st International Summer School of MAINZ – MATCOR – Photoemission, Mainz/DE (09/2006)
- 2nd International Workshop on Hard X-ray Photoelectron Spectroscopy, Hyogo/JP (09/2006)
- XTOP 2006, Baden-Baden/DE (09/2006)
- ICFE 6, Wroclaw/PL (09/2006)
- WOE13, Ischia/IT (10/2006)
- COST P12 Conference on Crystallisation and Structure Formation of Polymers, Mittelwihr/FR (10/2006)
- German Conference for Research with Synchrotron Radiation, Neutrons and Ion Beams at Large Facilities 2006, Hamburg/DE (10/2006)
- SCS, Zurich/CH (10/2006)
- MFMN 2006, Cranfield, Bedfordshire/UK (10/2006)
- 11th International Workshop on Plasma-Facing Materials and Components for Fusion Applications, Greifswald/DE (10/2006)
- PNCS, Rhodes/GR (10/2006)
34. Kongress der Deutschen Gesellschaft für Rheumatologie gemeinsam mit der 20. Jahrestagung der Assoziation für Orthopädische Rheumatologie, Wiesbaden/DE (10/2006)
- Deutscher Kongress für Orthopädie und Unfallchirurgie, Berlin/DE (10/2006)
- Applied Biophysics Seminar, Garching/DE (10/2006)
- Symposium der Bundesanstalt für Materialprüfung, Berlin/DE (10/2006)
- ROLDUC 06, Kerkrade/NL (10/2006)
- Tagung der Deutschen Pharmazeutischen Gesellschaft, Marburg/DE (10/2006)
- EPPS 2006, Llandudno/UK (10/2006)
- SNI 2006, Hamburg/DE (10/2006)
- International Workshop on Atomic Physics, Dresden/DE (11/2006)
- CBECIMAT, Foz do Iguassu/BR (11/2006)
- Titan Anwenderseminar, Duebendorf/CH (11/2006)
- Soft Matter User Meeting, ILL, Grenoble/FR (11/2006)
- MRS Fall Meeting, Boston/USA (11/2006)

AICHe 2006 Annual Meeting (The American Institute of Chemical Engineers), San Francisco/USA (11/2006)

KHK 2006, Hannover/DE (11/2006)

Invited seminar – TU Eindhoven, Eindhoven/NL (11/2006)

Application of X-ray Absorption Technique for Determination of the Local Atomic and Electronic Structures of the Materials, Warsaw/PL (11/2006)

ICSFS-13, San Carlos di Bariloche/AR (11/2006)

AVS 53rd International Symposium, San Francisco/USA (11/2006)

Industrieforum „Bildgebende Röntgenverfahren – neue Einblicke in kleinste Strukturen“, Karlsruhe/DE (11/2006)

Physics Colloquium, Heidelberg/DE (11/2006)

7th International Conference on Magnesium Alloys and their Applications, Dresden/DE (11/2006)

DPT 2006, Berlin/DE (11/2006)

Groupe de Contact Rayonnement Synchrotron, Mons/BE (11/2006)

AGU Fall 2006, San Francisco/USA (12/2006)

Symposium des Instituts für Polymerforschung, Dresden/DE (12/2006)

From Diffraction to Imaging: International Symposium on Scanning Microbeam Small- and Wide-Angle Scattering of Hierarchically Structured Materials, Berlin/DE (12/2006)

XX CAC, Wisla/PL (09/2006)

Habilitationen

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On the Structural and Phenomenological Diversity of Perovskites Containing 4d and 5d Transition Metals.

University of Augsburg (2006)

DESY II-96-72; DESY I-99-085; DESY II-00-044; DESY II-02-093; DESY II-03-044

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In situ spectroscopic investigation of heterogeneously catalysed reactions in supercritical fluids.

ETH Zürich (2006)

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Influence of pressure, temperature and composition on structural properties of selected semiconductor materials.

Institute of Physics PAS (2006)

Dissertationen

J. BARTUSSEK

Experimentelle Untersuchung der Fokussierungseigenschaften neuartiger reflektiver Beugungsoptiken.

CAU Kiel (2006)

E. BAUER

Statik und Kinetik der Entnetzung ultradünner Polymerfilme.

TU München (2006)

A. BERNAUS

Application of X-ray Synchrotron Based Techniques to the Study of the Speciation, Sorption and Bioavailability of Hg in Environmental and Biological Systems.

Universitat Autònoma de Barcelona (2006)

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Dreidimensionale Charakterisierung der Osseointegration von Titanimplantaten mittels Mikrocomputertomographie.

Technische Universität Dresden (2006)

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Synthesis and characterization of the double phosphates with langbeinit structure.

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Catalytic and in situ spectroscopic studies on selective oxidation of alcohols in supercritical carbon dioxide.

ETH Zurich (2006)

V.S. CHEREMNYKH

Time-resolved luminescent vacuum ultraviolet spectroscopy of crystals with complex anion PO₄.

Urals State Technical University (2006)

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Quantitative X-ray Microtomography with Synchrotron Radiation.

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Synthesis, phase transitions and orientational phenomena in liquid crystalline polymers.

Complutense of Madrid, Spain (2006)

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Synthesis, characterization and physical properties of metal borides.

University of Hamburg (2006)

S. GORFMAN

Synchrotron X-ray diffraction study of site selective response in α -GaPO₄ crystals to a permanent external electric field.

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Influence of water on the mechanical properties of wood investigated using X-ray and neutron scattering.

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D. GRÜNER

Untersuchungen zur Natur der Laves-Phasen in Systemen der Übergangsmetalle.

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Synthesis, characterization and catalytic application of Ru/Sn- and Cu/Zn-based nanocomposites.
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Excitation and relaxation of high-energy localized states of rare earth ions doped into strontium fluoride crystals.
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Optical Investigation of Metal-Oxide Thin Films.
Institute of Physics, University of Tartu (2006)
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Photoionization and Photofragmentation of Fullerenes.
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The 3d states in the electronic structure of the surface of GaN modified with layers containing transition metals.
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Structural investigations on organometallic complexes and nanomaterials by X-ray absorption fine structure and Raman spectroscopy.
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Strukturuntersuchungen an Haftklebstoffen beim mechanischen Tack-Test auf makroskopischer und mikroskopischer Längenskala.
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Impedance spectroscopy at anode catalysts for membrane fuel cells.
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Manganese Promotion in Titania-Supported Cobalt Fisher-Tropsch Catalysis.
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Controlled assembly of a Cr-based heterogeneous single site ethylene trimerisation catalyst.
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Synthesis and Characterisation of alkali metal borides and closo-hydroborates.
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Untersuchung von Phenylazobenzoesäure auf HFS₂ mittels Photoelektronenspektroskopie.
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Heterogeneously Catalysed Synthesis of Propylene Carbonate Using Carbon Dioxide.
ETH Zurich (2006)

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In-situ bulk structural investigation of mixed metal oxide catalysts for partial oxidation reactions.

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Analyse der Struktur von aktiven Füllstoffen mittels Streumethoden.

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Herstellung und strukturelle, optische und elektrische Charakterisierung von Schichtgittersulfiden (MoS_2 , WS_2) für die Photovoltaik.

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Synthesis, characterization and application of calcium phosphate nanoparticles for the transfection of cells.

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Lu_2O_3 Based Phosphors – from Nanostructures to Sintered Ceramics.

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Effect of halogenated phenols on the structure of model membranes.

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Methoden zur qualitativen und quantitativen Analyse der Mikrostruktur von Naturfaserwerkstoffen.

Universität Hamburg (2006)

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Investigation of the deformation behavior and the texture evolution in magnesium wrought alloy AZ31.

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NMR and XAS study of magnetic and electronic properties of double perovskites.

AGH University of Science and Technology, Faculty of Physics and Applied Computer Science (2006)

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Simulationsrechnungen zu Strahlenschäden an Proteinkristallen.

Universität Hamburg (2006)

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Structure and Mechanical Properties of Carbon- and Silica-based Nanomaterials.

Max Planck Institute of Colloids and Interfaces, Potsdam (2006)

Diplomarbeiten

S. GERTZ

Präparation und in-situ Charakterisierung dünner, kalt kondensierter Metallschichten.

Bergische Universität Wuppertal (2006)

C. HADAC

Generierung optimierter Oberflächennetze für die 3D-FE-Simulation auf Basis von CT-Daten.

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Investigation of BSCCO/Ag tapes and development of magneto-optical technique.

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Chemical Modification of GaAs Surfaces with Novel Functional Peptides.

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Untersuchungen zur Metamorphose von Gashydrat-Kristallen im Hinblick auf eine mögliche Altersbestimmung.

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Zellbiologische Bewertung der Biokompatibilität und des Anwachsverhaltens einer neuen Prothese für die Mittelohrrekonstruktion.

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The study of physical-chemical properties of the DNA-cationic liposomes aggregates.

Faculty of Mathematics, Physics and Informatics, Comenius University, Bratislava (2006)

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Mechanisms of formation and transformations of metastable charge-transfer states in absorption and luminescence centres of oxide insulators (by the example of perovskite-like structures $\text{SrLa}_{4-x}\text{Pr}_x\text{Ti}_5\text{O}_{17}$).

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Selektive Oxidation von Zimtalkohol – ein kontinuierlicher, katalytischer Prozess zur Oxidation von festen Alkoholen in berkritischem CO_2 .

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Interaction of DNA with gemini surfactants.

Faculty of Pharmacy Comenius University, Bratislava (2006)

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Inbetriebnahme und Test einer Verstreckeinrichtung für Materialforschung mit Synchrotronstrahlung.

FH Lübeck (2006)

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Effect of treatments on the spectral properties of $\text{ZnMn}(\text{Mg})\text{P}_2\text{O}_7$ phosphates.

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P. SMOLYAR

Luminescence of the layered perovskite-like $\text{SrLaTi}_5\text{O}_{17}$ compounds.

Kyiv National Taras Shevchenko University (2006)

I. SOMMERWEISS

Bestimmung des Redoxzustandes von Eisen in Mineralen mit Hilfe der Röntgenabsorptionsspektroskopie (XANES).

Universität Potsdam (2006)

H. VON SENDEN GENANNT HAVERKAMP

Phasenanalyse an lanthanhaltigen Titanwerkstoffen mittels konventioneller Röntgenstrahlung und hochenergetischer Synchrotronstrahlung.

TU Braunschweig (2006)

S. ZAYATS

Luminescent properties of the $\text{NaTi}_2(\text{PO}_4)_3$ crystals and related glasses doped with Sm and Dy ions.

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Buchbeiträge

A. AGHABABYAN ET AL.

XFEL – The European X-Ray Free-Electron Laser – Technical Design Report.

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Coherence and Intramolecular Scattering in Molecular Photoionization.

Photonic, Electronic and Atomic Collisions

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Z. DENCHEV

In-Situ Composite Materials Based on Oriented Polymer Blends: Preparation, Structure and Properties.

Recent Reserch Developments in Applied Polymer Science Research Signpost (2006) ISBN 81-308-0129-9

G. FLEISSNER, G. FLEISSNER

Endogenous control of visual adaptation in invertebrates.

Invertebrate vision

Cambridge University Press (2006) ISBN 0-521-83088-5

D. RAMMLMAIR, M. WILKE, K. RICKERS, R.A. SCHWARZER, A. MÖLLER, A. WITTENBERG

Geology, Mining, Metallurgy.

Handbook of practical X-ray fluorescence analysis

Springer (2006) ISBN 10 3-540-28603-9

W. SKROTZKI, B. KLOEDEN, N. SCHEERBAUM, R. TAMM,

C.-G. OERTEL, U. GARBE, E. RYBACKI, H.-G. BROKMEIER

Local texture measurements with high-energy synchrotron radiation.

Advanced X-ray techniques in research and industry

Capital Publishing Company (2006) ISBN 81-85589-41-0

B. STAHL, G. FLEISSNER, G. FALKENBERG, G. FLEISSNER

Magnetite nanoparticles alone are not able to explain iron minela-based magnetoreception in homing pigeons.

Proc. 4th HMI Fall Conference on Metalloproteins and

Metalloidproteins

Herbert Utz Verlag (2006) ISBN 3-8316-0576-9

W. WIERZCHOWSKI, K. WIETESKA, A. TUROS, W. GRAEFF, J. RATAJCZAK

Structure and properties of AlIBV semiconductors modified by high dose ion implantation.

Institute of Atomic Energy (2006) ISBN 83-914809-8-4

E. ZYCH

Spectroscopy of Eu-activated Lu_2O_3 X-ray Phosphors.

Nova Science Publishers, Inc. (2006) ISBN 1-60021-210-7

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Veröffentlichungen

J. ANDRÁ, J. RADEMACHER, J. HOWE, M.H.J. KOCH, H. HEINE, U. ZÄHRINGER, K. BRANDENBURG

Endotoxin-like properties of a rhamnolipid exotoxin from

Burkholderia (*Pseudomonas*) plantarii: immune cell stimulation and biophysical characterization.

Biol. Chem. 387 (2006) 310

F. BERTRAND, F. ESTEVE, P. COAN, A. PETERZOL, S. FIEDLER, C. PONCHUT, J.C. LABICHE, A. BRAVIN

Evaluation of image performance of taper optics CCD

FFReLoNcamera designed for medical imaging.

J. Synchrotron Rad. 13 (2006) 270

K. BRANDENBURG, P. GARIDEL, J. HOWE, J. ANDRÁ, L. HAWKINS, M.H.J. KOCH, U. SEYDEL

What can calorimetry tell us about changes of three-dimensional aggregate structures of phospholipids and glycolipids?

Thermochim. Acta 445 (2006) 145

S.J. CRENNELL, D. COOK, A. MINNS, D.I. SVERGUN, R.L. ANDERSON, E. NORDBERG-KARLSSON

Dimerisation and an increase in active site aromatic groups as adaptations to high temperatures: X ray solution scattering and substrate-bound crystal structures of Rhodothermus marinus endoglucanase Cel12A.

J. Mol. Biol. 356 (2006) 71

N. CSOKOVA, R. SKRABANA, L. URBANIKOVA, B. KOVACECH, A. POPOV, J. SEVCIK, M. NOVAK

Preparation crystallization and preliminary X-ray analysis of the Fab fragment of monoclonal antibody MN423 revealing the structural aspects of Alzheimers paired helical filaments.

Protein Peptide Lett. 13 (2006) 944

E. GHERARDI ET AL.

Structural basis of hepatocyte growth factor /scatter factor and Met signalling.

Proc. Natl. Acad. Sci. USA 103 (2006) 4051

- P. GIASTAS, N. PINOTIS, G. EFTHYMIU, M. WILMANN, P. KYRITSIS, J. MOULIS, I.M. MAVRIDIS
The structure of the 2[4Fe-4S] ferredoxin from *Pseudomonas aeruginosa* at 1.32 Å resolution. Comparison with other high resolution structures of ferredoxins and contributing structural features to reduction potential values.
J. Biol. Inorg. Chem. 11 (2006) 458
- J. HAKANPÄÄ, M. LINDER, A. POPOV, A. SCHMIDT, J. ROUVINEN
Hydrophobin HFBII in detail – ultrahigh resolution structure of 0.75 Å.
Acta Crystallogr. D 62 (2006) 367
- J. HOWE ET AL.
Biophysical Characterization of the Interaction of Endotoxins with Hemoglobins.
Med. Chem. 3 (2006) 31
- J. HOWE, J. BAUER, J. ANDRÄ, A.B. SCHROMM, M. ERNST, M. ROESSLE, U. ZÄHRINGER
Biophysical characterization of synthetic rhamnolipids.
FEBS J. 273 (2006) 5112
- A. KAUKO, A.T. PULLIAINEN, S. HAATAJA, W. MEYER KLAUCKE, J. FINNE, A.C. PAPAGEORGIOU
Iron incorporation in *Streptococcus suis* Dps like peroxide resistance protein Dpr requires mobility in the ferroxidase center and leads to the formation of a ferrihydrite like core.
J. Mol. Biol. 364 (2006) 109
- S. KERNSTOCK, F. KOCH-NOLTE, J. MUELLER-DIECKMANN, M.S. WEISS, C. MUELLER-DIECKMANN
Cloning, expression, purification, crystallization and preliminary X-ray diffraction analysis of human ARH3, the first eukaryotic protein-ADP-ribosylhydrolase.
Acta Crystallogr. F 62 (2006) 227
- P.V. KONAREV, M.V. PETOUKHOV, V.V. VOLKOV, D.I. SVERGUN
ATSAS 2.1, a program package for small-angle scattering data analysis.
J. Appl. Crystallogr. 39 (2006) 286
- S. KUTTER, G. WILLE, S. RELLE, M.S. WEISS, G. HÜBNER, S. KÖNIG
The crystal structure of pyruvate decarboxylase from *Kluyveromyces lactis*. Implications for the substrate mechanism of this enzyme.
FEBS J. 273 (2006) 4209
- J.A. KYNDT, S.N. SAVVIDES, S. MEMMI, M. KOCH, J.C. FITCH, T.E. MEYER, M.P. HEYN, J. VAN BEEUMEN, M.A. CUSANOVICH
Structural role of Y98 in PYP: effects on fluorescence, gateway and photocycle recovery.
Biochem. 45 (2006) 14560
- E.H. LEE, M. GAO, N. PINOTIS, M. WILMANN, K. SCHULTEN
The mechanical stability of the titin Z1Z2/teletonin complex revealed by steered molecular dynamics simulations.
Structure 14 (2006) 509
- A.V. LYAAHENKO ET AL.
Purification, crystallization and preliminary X-ray study of the fungal laccase from *Cerrena maxima*.
Acta Crystallogr. F 62 (2006) 957
- Q. MA, X. ZHAO, A. NASSER EDDINE, A. GEERLOF, X. LI, J.E. CRONAN, S.H.E. KAUFMANN, M. WILMANN
The *Mycobacterium tuberculosis* LipB enzyme functions as a cysteine / lysine dyad acyltransferase.
Proc. Natl. Acad. Sci. USA 103 (2006) 8667
- X. MA, S. PANJIKAR, J. KOEPKE, E. LORIS, J. STÖCKIGT
The structure of *Rauvolfia serpentina* strictosidine synthase is a novel six-bladed beta-propeller fold in plant proteins.
Plant Cell 18 (2006) 920
- A. MAGNUSON, P. LIEBISCH, M. HAUMANN, J. HÖGBLOM, M. ANDERLUND, R. LOMOTH, W. MEYER KLAUCKE, H. DAU
Bridging-type changes facilitate successive oxidation steps at about 1 V in two binuclear manganese complexes – implications for photosynthetic water-oxidation.
J. Inorg. Biochem. 100 (2006) 1243
- A. MARX, C. NUGOOR, J. MÜLLER, S. PANNEERSELVAM, T. TIMM, M. BILANG, E. MYLONAS, D.I. SVERGUN, E.-M. MANDELKOW, E. MANDELKOW
Structural variations in the catalytic and ubiquitin-associated domains of microtubule-associated protein/microtubule affinity regulating kinase (MARK) 1 and MARK2.
J. Biol. Chem. 281 (2006) 27586
- J. MUELLER-DIECKMANN
The Open Access High-Throughput Crystallisation Facility at EMBL Hamburg.
Acta Crystallogr. D 62 (2006) 1452
- M. NARDINI ET AL.
The C-terminal domain of the transcriptional co-repressor CtBP is intrinsically disordered.
ABB-Technik 15 (2006) 1050
- E. NOWAK, S. PANJIKAR, J.P. MORTH, R. JORDANOVA, D.I. SVERGUN, P.A. TUCKER
Structural and Functional Aspects of the Sensor Histidine Kinase PrrB from *Mycobacterium tuberculosis*.
Structure 14 (2006) 285
- S.B. POTHINENI, T. STRUTZ, V.S. LAMZIN
Automated detection and centering of cryo-cooled protein crystals.
Acta Crystallogr. D 62 (2006) 1368

M. RUPPERT, S. PANJIKAR, L. BARLEBEN, J. STOECKIGT
Heterologous expression, purification, crystallisation and preliminary X-ray analysis of raucaffricine glucosidase a plant enzyme specifically involved in Rauvolfia alkaloid biosynthesis. *Acta Crystallogr. F* 62 (2006) 260

A. SOKOLOVA, L. KREPLAK, T. WEDIG, N. MUCKE, D.I. SVERGUN, H. HERRMANN, U. AEBI, S. STRELKOV
Monitoring intermediate filament assembly by small-angle X-ray scattering reveals the molecular architecture of assembly intermediates. *Proc. Natl. Acad. Sci. USA* 103 (2006) 16211

F. STELLATO, G. MENESTRINA, M.D. SERRA, C. POTRICH, R. TOMAZZOLLI, W. MEYER KLAUCKE, S. MORANTE
Metal binding in amyloid beta-peptides shows intra- and inter-peptide coordination modes. *Eur. Biophys. J.* 11 (2006) 12

S. STOUT, L. DE SMET, S. PANJIKAR, M.S. WEISS, S.N. SAVVIDES, J. VAN BEEUMEN
Crystallization, preliminary crystallographic analysis and phasing of the thiosulfate-binding protein SoxY from *Chlorobium limicola* f. thiosulfatophilum. *Acta Crystallogr. F* 62 (2006) 1096

D. V URUSOVA, V.M. LEVDIKOV, S.V. ANTONYUK, A.I. GREBENKO, V.S. LAMZIN, V.R. MELIK ADAMYAN
X ray diffraction study of the complex of the enzyme SAICAR synthase with the reaction product. *Crystallogr. Rep.* 51 (2006) 827

A. VARGA, B. FLACHNER, P. KONAREV, E. GRÁCZER, J. SZABO, D.I. SVERGUN, P. ZÄVODSZKY, M. VAS
Substrate-Induced Double Sided H-bond Network as a Means of Domain Closure. *FEBS Letters* 580 (2006) 2706

Y. YU, Y.H. LIANG, E. BROSTROMER, J.M. QUAN, S. PANJIKAR, Y.H. DONG, X.D. SU
A Catalytic Mechanism Revealed by the Crystal Structures of the Imidazolonepropionase from *Bacillus subtilis*. *J. Biol. Chem.* 281 (2006) 36936

P. ZOU, N. PINOTIS, S. LANGE, Y.H. SONG, A. POPOV, I. MAVRIDIS, O.M. MAYANS, M. GAUTEL, M. WILMANN
Palindromic assembly of the giant muscle protein titin in the sarcomeric Z-disk. *Nature* 439 (2006) 233

Max-Planck-Gesellschaft

Veröffentlichungen

G.P. BOURENKOV, A.N. POPOV
A quantitative approach to data collection strategies. *Acta Crystallogr. D* 62 (2006) 58

M.D. HARTMANN, G.P. BOURENKOV, A. OBERSCHALL, N. STRIZHOV, H.D. BARTUNIK
Mechanism of phosphoryl transfer catalyzed by shikimate kinase from *Mycobacterium tuberculosis*. *J. Mol. Biol.* 364 (2006) 411

T.G. HUDAVERDYAN, G.S. KACHALOVA, H.D. BARTUNIK
Estimation of the effect of relative humidity on protein crystallization. *Crystallogr. Rep.* 51 (2006) 519

A. MARX, C. NUGOOR, J. MÜLLER, S. PANNEERSELVAM, T. TIMM, M. BILANG, E. MYLONAS, D.I. SVERGUN, E.-M. MANDELKOW, E. MANDELKOW
Structural variations in the catalytic and ubiquitin-associated domains of microtubule-associated protein/microtubule affinity regulating kinase (MARK) 1 and MARK2. *J. Biol. Chem.* 281 (2006) 27586

A. MARX, J. MÜLLER, E.-M. MANDELKOW, A. HOENGER, E. MANDELKOW
Interaction of kinesin motors, microtubules, and MAPs. *J. of Muscle Research and Cell Motility* 27 (2006) 125

D. MOKRANJAC, G. BOURENKOV, K. HELL, W. NEUPERT, M. GROLL
Structure and function of Tim14 and Tim16, the J and J-like components of the mitochondrial protein import motor. *EMBO J.* 25 (2006) 4675

S. PANNEERSELVAM, A. MARX, E.-M. MANDELKOW, E. MANDELKOW
Structure of the catalytic and ubiquitin-associated domains of the protein kinase MARK/Par-1. *Structure* 14 (2006) 173

Dissertationen

S. PANNEERSELVAM
Crystal structure of the catalytic and ubiquitin-associated domains of the protein kinase MARK2/PAR-1. University of Hamburg (2006)