

**Publications and dissertations
concerning the synchrotron radiation and its applications, as well as related fields
by authors affiliated in Poland
v. 1.5a.**

**TABLE 2. PUBLICATIONS
SORTED ACCORDING TO PUBLICATION YEAR**

1.	Kisiel A	Spektroskopia optyczna w próżniowym nadfiolecie	Postępy Fizyki, 28. 515 (1977)	1977	physics: general
2.	Trykozko R, Huffman D-R	Reflectance and optical constants of CdIn ₂ Se ₄ crystals	Journal of Applied-Physics. Aug. 1981; 52(8): 5283-5	1981	physics: applied
3.	Antonangeli F., Balzarotti A, N.Motta, Kisiel A, M.Piacentini, M.Zimnal - Starnawska, W.Giriati,	Structural Properties of Cd _x Mn _{1-x} Te by EXAFS	Proc. Internat. Conf. on EXAFS and Near Edge Structures, Frascati 1982, Springer-Verlag, Berlin 1983, p.224	1983	spectroscopy
4.	Balzarotti A, M. Czyżyk, A. Kisiel, N. Motta, M. Podgórný, M. Zimnal-Starnawska	Local structure of ternary semiconducting random solid solutions: Extended x-ray-absorption fine structure of Cd _{1-x} Mn _x Te	Physical Review B - Condensed Matter 30, 2295–2298 (1984)	1984	physics: solid state
5.	Podgórný M, Czyżyk M, A. Balzarotti, P.Letardi, N.Motta, Kisiel A, M.Zimnal- Starnawska	Crystallographic structure of semiconducting alloys	Solid State Commun., 55, 413 (1985)	1985	physics: solid state
6.	Balzarotti A, Czyżyk M, Kisiel A, P. Letardi, N.Motta, Podgórný M, M.Zimnal -Starnawska	EXAFS of Cd _{1-x} Zn _x Te : A Test of the Random Distribution in Zincblende Ternary Alloys	Festkorperprobleme XXV, Advances in Solid State Physics, 25, 689. (1985)	1985	physics: solid state
7.	Motta N, Balzarotti A, P.Letardi, Kisiel A, M.T.Czyżyk, M.Zimnal-Starnawska Podgórný M,	EXAFS of Cd _{1-x} Zn _x Te: A test of the Random Distribution in Zincblende Ternary Alloys	Solid State Commun. 53, 509 (1985)	1985	physics: solid state
8.	Balzarotti A, N. Motta, A. Kisiel, M. Zimnal-Starnawska, M. T. Czyżyk, M. Podgórný	Model of the local structure of random ternary alloys: Experiment versus theory	Physical Review B - Condensed Matter 31, 7526–7539 (1985)	1985	physics: solid state
9.	Motta N, Balzarotti A, P.Letardi, Kisiel A, M.T.Czyżyk, M.Zimnal-Starnawska, Podgórný M,	Random Distribution and Miscibility of Cd _{1-x} Zn _x Te Alloy from EXAFS	Journal of Crystal Growth, 72,205 (1985)	1985	crystal growth
10.	Balzarotti A, M.T.Czyżyk, Kisiel A, N.Motta, Podgórný M, M.Zimnal - Starnawska	The Local Structure of Random Ternary Alloys : Experiment versus Theory	Proc. 17 th Internat.Conf. on Physics of Semiconductors, San Francisco 1984 Ed. J.D.Chadi, W.A.Harrison 807 (1985)	1985	physics: solid state
11.	Balzarotti A, Kisiel A, N.Motta, M.Zimnal- Starnawska, M.Czyżyk, Podgórný M,	The Local Structure of Random Ternary Alloys by EXAFS	Progress in Crystal Growth and Characterisation 10, 55 (1985)	1985	crystal growth
12.	Kisiel A, Zimnal- Starnawska M, F.Antonangeli, M.Piacentini, Zema N,	d-Core Transitions in ZnTe, CdTe and HgTe	Il Nuovo Cimento, 8D, 436 (1986)	1986	physics: solid state
13.	Czyżyk MT, M. Podgórný, A. Balzarotti, P. Letardi, N. Motta, A.	Thermodynamic properties of ternary semiconducting alloys	Zeitschrift für Physik B Condensed Matter 62, 2	1986	physics: solid state

	Kisiel, M. Zimnal-Starnawska	semiconducting alloys	1986 153-161		state
14.	Ilver L, Kovacs A, Kanski J, Nilsson PO, Sobczak E.	Angle resolved inverse photoemission from Ag(111) and Pd(111).	Physica Scripta, vol.35, no.5, 1987, pp.726-728.	1987	physics: general
15.	Minor W, Schonfeld B, Lebech-B, Buras B, Dmowski W	Crystallization of Fe-Si-B metallic glasses studied by X-ray synchrotron radiation	Journal-of-Materials-Science. Nov. 1987; 22(11): 4144-52	1987	materials
16.	Kisiel A, Piacentini M, F Antonangeli, J Oleszkiewicz, A, Rodzik, N Zema and A Mycielski	Room-temperature fundamental reflectivity spectra of Cd _{1-x} Mn _x Te in the 0.5-30 eV energy range	Journal of Physics C: Solid State Phys. 20 (1987) 5601-5612	1987	physics: condensed matter
17.	Kisiel A, Oleszkiewicz J, A.Rodzik, F.Antonangeli, M.Piacentini, Zema N Balzarotti A and A.Mycielski,	The Influence of 3d Mn Electrons on the Cd _{1-x} Mn _x Te Fundamental Reflectivity Spectra	Acta Physica Polonica A 71, 231 (1987)	1987	physics: general
18.	Otwinowski Z, R. W. Schevitz, R.-G. Zhang, C. L. Lawson, A. Joachimiak, R. Q. Marmorstein, B. F. Luisi, P. B. Sigler	Crystal structure of trp represser/operator complex at atomic resolution	Nature 335, 321-329 (22 Sep 1988)	1988	science: general
19.	Orlowski BA	Electronic surface states investigated by means of photoemission spectroscopy	Surface-Science. July 1988; 200 (2-3): 144-56	1988	surface science
20.	Sobczak E, Nilsson PO, Kanski J.	Inverse photoemission from Ag(111) calculated by a multiple-scattering method.	Physical Review B - Condensed Matter, vol.37, no.14, 1988, pp.8150-8153.	1988	physics: condensed matter
21.	Kisiel A, Dalba G, P.Fornasini, Podgorny M, Oleszkiewicz J, F.Rocca, E.Burattini,	X-ray absorption spectroscopy of ZnTe CdTe and HgTe: experimental and theoretical study of near-edge structures	Proc. 19 th Internat. Conf. on the Physics of Semiconductors, Warsaw, ed. W.Zawadzki, Institute of Physics, Polish Academy of Sciences, p.921,(1988)	1988	physics: solid state
22.	Czyzyk MT, R. A. de Groot, G. Dalba, P. Fornasini, A. Kisiel, F. Rocca, E. Burattini	Ag ₂ O band structure and x-ray-absorption near-edge spectra	Physical Review B - Condensed Matter 39, 9831-9838 (1989)	1989	physics: solid state
23.	Kisiel A, Piacentini M, F.Antonangeli, Zema N, A.Mycielski,	Cd _{1-x} Fe _x Te Room Temperature Fundamental Reflectivity Spectra in 4-10 eV Energy Range	Solid State Commun. 70, 693 (1989)	1989	physics: solid state
24.	Kisiel A, Oleszkiewicz J, Podgorny M, G.Dalba, F.Rocca, E.Burattini,	The X-Ray Absorption Spectroscopy of Cd _{0.5} Mn _{0.5} Te and MnTe	Proc.IV Internat. Conf. on II-VI Compounds, Berlin(West), (1989)	1989	materials
25.	Kisiel A, Dalba G, P. Fornasini, M. Podgórny, J. Oleszkiewicz, F. Rocca, E. Burattini	X-ray-absorption spectroscopy of ZnTe, CdTe, and HgTe: Experimental and theoretical study of near-edge structures	Physical Review B - Condensed Matter 39, 7895-7904 (1989)	1989	physics: solid state
26.	Debowska D, Kisiel A, A.Rodzik, F.Antonangeli, Zema N, M.Piacentini, W.Giriat	Zn _{1-x} Mn _x Te Fundamental Reflectivity Spectra in the 0.5-10.0 eV Energy Range	Solid State Commun. 70, 699 (1989)	1989	physics: solid state
27.	Orlowski BA, Golacki Z, Janowitz C, Kipp L, Manzke R.	CdTe valence band structure in the direction Gamma -K-X determined by angle-resolved photoemission.	Acta Physica Polonica A 77, 2-3, 1990, pp.295-298.	1990	physics: general

28.	Lawniczak-Jablonska K., Mobilio S., Inoue J., Tohyama K.	Influence of order-disorder transition on valence band structure in MoNi alloy	Proceedings of 2nd European Conference on Progress in X-ray Synchrotron Radiation Research, eds. A.Balerna, E.Bernieri, Mobilio S, Bologna, 1990, p.701.	1990	sources instruments
29.	Saluda-Gorgul A. Jaworski J. Greger J.	Nucleotide sequence of satellite I and II DNA from alpaca (Lama pacos) genome.	Acta Biochimica Polonica 37(2):283-97, 1990.	1990	chemistry: biological
30.	Lang A.R., A.P.W. Makepeace, M. Moore, W. Wierzchowski	Optical and synchrotron double-crystal studies of nitrogen in diamond	Second International Conference on the New Diamond Science Technology, Washington, DC (USA), wrzesien 1990, s. 990.	1990	materials
31.	Podgorny M, Kisiel A, Oleszkiewicz J, G.Galba, P.Fornasini, E.Burattini,	The Conduction Band Structure of the Hexagonal and Cubic Phases of MnTe	Proc. "2nd European Conf. on Progress in X-Ray Synchrotron Radiation Research", vol. 25, ed. A. Balerna, E.Bernieri and S.Mobilio, SIF, Bologna 1990, p.859.	1990	sources instruments
32.	Oleszkiewicz J, Podgorny M, Kisiel A, G.Dalba, P.Fornasini, F.Rocca, E.Burattini,.	The Study of CdMnTe and MnTe by XANES Spectroscopy	Proc. 2nd Internat. Seminar on Z-Ray and Electron Spectroscopy, Mądralin 1989, ed. Institute of Phys. Pol. Acad. Sci. Warsaw 1990, p. 4	1990	spectroscopy
33.	Oleszkiewicz J, Podgorny M, Kisiel A, G.Dalba, F.Rocca, E.Burattini,	The X-ray Absorption Spectroscopy of CdMnTe	Acta Physica Polonica A 77, 199 (1990)	1990	physics: general
34.	Kisiel A, Oleszkiewicz J, Podgorny M, G.Galba, F.Rocca, E.Burattini,	The X-ray Absorption Spectroscopy of CdMnTe and MnTe	Journal of Crystal Growth, 101, 237, (1990).	1990	crystal growth
35.	Kisiel A, Ali Dahr A-I, Lee PM, G.Dalba, P.Fornasini, F.Rocca, E.Burattini,	XANES of the II-VI Group Ternary Compounds with Manganese: Experimental and Theoretical Studies of $Cd_{1-x}Mn_xTe$ and $Zn_{1-x}Mn_xTe$	Proc. "2nd European Conf. on Progress in X-Ray Synchrotron Radiation Research", vol. 25, ed A. Balerna, E.Bernieri, and S.Mobilio, SIF Bologna 1990, p.855.	1990	sources instruments
36.	Kisiel A, Ali Dahr A-I, Lee PM, G.Dalba, P.Fornasini, E.Burattini	XANES of the II-VI Group Ternary Compounds: Experimental and Theoretical Studies of Te L Edges for $Cd_{0.5}Hg_{0.5}Te$ and $Cd_{0.5}Zn_{0.5}Te$	Proc. "2nd European Conf. on Progress in X-Ray Synchrotron Radiation Research", vol. 25, ed. A. Balerna, E. Bernieri, and S.Mobilio, SIF, Bologna 1990, p.851	1990	sources instruments
37.	Oleszkiewicz J, Podgorny M, Kisiel A, G.Dalba, F.Rocca, E.Burattini,	X-ray absorption spectroscopy of CdMnTe	Proc. "2nd European Conf. on Progress in X-Ray Synchrotron Radiation Research" vol 25, ed. A. Balerna, E.Bernieri, and S. Mobilio, SIF, Bologna 1990 p.863	1990	sources instruments
38.	Kisiel A, Ali Dahr A-I, Lee PM, G.Dal P.Fornasini, E.Burattini	X-Ray Near Edge of the II - VI Group Ternary Compounds: Experimental and Theoretical Stu	Physical Review B -Condens 42, 11114, (1990)	1990	physics: general

	P.Fornasini, E.Burattini	CdHgTe and CdZnTe	42, 11114, (1990)		general
39.	Brzozowski AM, Derewenda U, Derewenda ZS, Dodson CG, Lawson DM, Turkenburg JP, Bjorkling F, Hüge-Jensen B, Patkar SA, Thim L	A model for interfacial activation in lipases from the structure of a fungal lipase-inhibitor complex	Nature 351, 491-494 (06 Jun 1991)	1991	science: general
40.	Orlowski BA, Bonnet J, Hricovini C, Pinchaux R, Gorecka J, Kowalski BJ, Mycielski A.	Fe 3d contribution to Hf _{1-x} Fe _x Se valence band by means of angle-resolved photoemission.	Acta Physica Polonica A vol.80, no.3, 1991, pp.389-392.	1991	physics: general
41.	Kaszur ZA, R.H.Jones, J.W.Couves, D.Waller, C.R.A.Catlow, J.M.Thomas,	Locating the sites of sorbed chloroform and dichlorobenzene in a zeolite solid: a synchrotron based diffraction study of zeolite Y at room temperature.	Journal of Physics & Chemistry of Solids 52 ,1219 (1991).	1991	physics: solid state
42.	Lang AR, M. Moore, A.P.W. Makepeace, W. Wierzchowski, C.M. Welbourn	On the dilatation of synthetic type Ib diamond by substitutional nitrogen	Philosophical Transactions of the Royal Society of London A A 337 (1991) 497.	1991	physics: general
43.	Burian A, Lecante P, Mosset A, J. Galy	Short range order in noncrystalline cadmium arsenide films studied by EXAFS,	International Journal of Materials and Product Technology (1991) 1, 625-635.	1991	technology
44.	Markowski R, Oleszkiewicz J, Kisiel A,	The Influence of the Dipol Transitions Matrix Element on the XANES and Optical Spectra for CdTe	Acta Physica Polonica A 80, 369, (1991)	1991	physics: general
45.	Kisiel A, Oleszkiewicz J, J.Goniakowski, R.Markowski, E.Burattini, G.Dalba, F.Rocca,	The XANES K-edge Spectra for HgMnSe and HgFeSe	Acta Physica Polonica A 80, 373, (1991)	1991	physics: general
46.	Kisiel A, Burattini E, P.M.Lee, G.Dalba, P. Fornasini, W.Giriat,	XANES Spectroscopy of CdFeTe and Hypothetical Zinc Blende FeTe	Journal of Applied Physics, 69, 6119, (1991)	1991	physics: applied
47.	Kisiel A, Burattini E, P.M.Lee, G.Dalba, P.Fornasini, W.Giriat,	XANES Spectroscopy of CdFeTe and Hypothetical Zinc Blende FeTe	X-Ray Absorption Fine Structure in X-Ray Absorption Fine Structure, ed. S. Samar Hasnain Ellis Harwood, New York 1991, p.332	1991	physics: solid state
48.	Kisiel A, Ali Dahr A-I, Lee PM, G. Dalba, P. Fornasini, E. Burattini	X-ray near-edge structure of the II-VI compounds containing manganese: Experimental and theoretical studies of Cd _{1-x} Mn _x Te and Zn _{1-x} Mn _x Te	Physical Review B - Condensed Matter 44, 11075-11084 (1991)	1991	physics: solid state
49.	Wierzchowski W, M. Moore, A.P.W. Makepeace, A. Yacoot	X-ray topographic studies and measurement of lattice parameter within synthetic diamond grown by the reconstitution technique	Journal of Crystal Growth 114 (1991) 209.	1991	crystal growth
50.	Tyczkowski J, E.Drobina, P.Kudmiński, H.Bassler, Kisiel A, Zema N,	Electronic Properties of Plasma Deposited Films from Tetramethylsilane	Thin Solid Films, 209, 250 (1992)	1992	surface science
51.	Burian A, Lecante P, Mosset A, J. Galy	EXAFS studies of short range order in amorphous Zn-P films,	Philosophical Magazine B (1992) 66, 727-736.	1992	physics: general
52.	Sobczak E, Mobilio S.	Extended structure of Fe BIS as compared to Fe K EXAFS.	Acta Physica Polonica A, vol.82, no.2, 1992, pp.333-335.	1992	physics: general

53.	Burian A	Extended X-ray absorption structure evidence for homopolar bonding in amorphous Cd-As and Zn-P,	Acta Physica Polonica A 82 (1992) 309-313	1992	physics: general
54.	Orlowski B.A., Bonnet J., Hricovini C., Pinchaux R., Górecka J., Kowalski B.J., Mycielski A.	Fe 3d contribution to Hf _{1-x} Fe _x Se valence band by means of angle-resolved photoemission	Acta Physica Polonica A 80 (1992) 389	1992	physics: general
55.	Lawniczak-Jablonska K, Pascarelli S, Boscherini F, Kozubski R.	Lattice site occupancy in ternary ordered Ni ₃ Al _{1-x} Fe _x alloys estimated by EXAFS.	Acta Physica Polonica A, vol.82, no.2, 1992, pp.315-322.	1992	physics: general
56.	Kwiatek WM, Cichocki T, Galka M, Paluszkievicz C	Microanalysis using synchrotron radiation	Nuclear-Instruments-&-Methods-in-Physics-Research,-Section-B-Beam-Interactions-with-Materials-and-Atoms. May 1992; B68(1-4): 122-4	1992	sources instruments
57.	Wierzchowski W, M. Moore	Observation of interference fringes in Bragg-case synchrotron double-crystal images of stacking faults in diamond	Acta Physica Polonica A 82 (1992) 185.	1992	physics: general
58.	Sobczak E, Nilsson PO, Karlsson K.	Photoemission of Cd(0001) using synchrotron radiation.	Acta Physica Polonica A, vol.82, no.2, 1992, pp.337-339.	1992	physics: general
59.	Grochowski J, Serda P	Resonant scattering of light atoms - measuring methods and applications	Acta Physica Polonica A 82 1992 147-156.	1992	physics: general
60.	Czyzyk M.T., Lawniczak-Jablonska K, Mobilio S	Study of the unoccupied electron states of Ni, Mo and Mo ₃ Ni alloy",	Physical Review B - Condensed Matter 45, 1992 1581	1992	physics: solid state
61.	Kwiatek WM	Synchrotron radiation induced X-ray emission - SRIXE	<i>Acta Physica Polonica A Vol.82 (1992) 263 - 271.</i>	1992	physics: general
62.	Wierzchowski W, M. Moore	The images of dislocations in synchrotron Bragg-case section topography of diamond	Acta Physica Polonica A 82 (1992) 193.	1992	physics: general
63.	Markowski R, Oleszkiewicz J Kisiel A,	Theoretical Study Optical and XANES Spectra for CdTe within the k-dependent Matrix Element Approach	Acta Physica Polonica A 82, 785, (1992)	1992	physics: general
64.	Debowska D, Zimnal-Starnawska M, Kisiel A, M. Piacentini, Zema N,	VUV Reflectivity of Cd _{1-x} Fe _x Te	Acta Physica Polonica A 82, 341, (1992)	1992	physics: general
65.	Oleszkiewicz J, Markowski R, Kisiel A,	X-ray absorption near edge spectra for CdTe-theoretical study	Acta Physica Polonica A 82, 323, (1992)	1992	physics: general
66.	Kisiel A, Lee PM, E.Burattini, G.Dalba, P. Fornasini, W.Giriat,	X-ray absorption near edge structure analysis of CdFeTe : XANES experiment and theoretical LMTO calculations	Solid State Commun. 81 ,151, (1992)	1992	physics: solid state
67.	Piacentini M, Debowska D, Kisiel A, R.Markowski, A.Mycielski, Zema N,	Cd _{1-x} Fe _x Se Room Temperature Reflectivity in the 10-25 eV Energy Range	Journal of Physics: Condensed Matter, 5, 3707, (1993)	1993	physics: solid state
68.	Piacentini M, D Debowska, A Kisiel, R Markowski, A Mycielski, N Zema	Cd _{1-x} Fe _x Se room-temperature reflectivity in the 10-25 eV energy range	Journal of Physics: Condensed Matter 5 (1993) 3707-3716	1993	physics: condensed matter
69.	Kaszur ZA, R.H.Jones, D.Waller, C.R.A.Catlow, J.M.Thomas,	Combined Rietveld- molecular dynamics powder diffraction approach to the location of	Journal of Physical Chemistry 97 ,426-	1993	chemistry: physical

	C.R.A.Catlow, J.M.Thomas,	molecules in porous solids: application to 1,4 dibromobutane in zeolite Y.	431(1993).		physical
70.	Grochowski J, Serda P	Feasibility of chiral discrimination using X-Ray anomalous scattering	Chirality 5, 1993, 277-281	1993	crystallography
71.	Burian A, Lecante P, Mosset A, J. Galy, J. M. Tonnerre, D. Raoux,	Structural studies of amorphous Cd ₅₉ As ₄₁ and Cd ₂₆ As ₇₄ by anomalous X-ray scattering,	Journal of Non-Crystalline Solids (1993) 164-166, 151-154.	1993	materials
72.	Rokita E., Hermes C., Nolting H-F., Ryzcek J.	Substitution of calcium by strontium within selected calcium phosphates	Journal of Crystal Growth 130 (1993) 543-552	1993	crystal growth
73.	Moore M, R. Waggett, W. Wierzchowski	Synchrotron spike topography of natural type Ia diamond	Diamond and Related Materials 2 (1993) 115.	1993	materials
74.	Rypniewski WR, S. Hastrup, Ch. Betzel, M. Dauter, Z. Dauter, G. Papendorf, S. Branner and K.S. Wilson	The sequence and X-ray structure of the trypsin from <i>Fusarium oxysporum</i>	Protein Engineering 6, 4 341-348, 1993	1993	biology
75.	Burattini E, Kisiel A, R.Markowski, G.Dalba, W.Giriak,	X-ray absorption near edge structure (XANES) analysis of HgMnSe, HgFeSe and HgTeSe	Acta Physica Polonica 83, 107, (1993)	1993	physics: general
76.	Zeiske T, Hohlwein D, Sonntag R, Grybos J, Eichhorn K, Wolf T.:	X-ray anomalous scattering on the superconducting ortho-II phase of YBa ₂ Cu ₃ O _{6.51} .	Physica C 207 (1993) S. 333-338.	1993	physics: solid state
77.	Lecante P, J. Jaud, A. Mosset, J. Galy, A. Burian,	A laboratory EXAFS spectrometer in transmission dispersive mode,	Review of Scientific Instruments (1994) 65, 845-849.	1994	sources instruments
78.	Jasny J, Teubner U, Theobald W, Wülker C, Bergmann J, Schafer FP	A single-shot spectrograph for the soft x-ray region	Review of Scientific Instruments, May94, Vol. 65 Issue 5, p1631, 5p; (AN 9785827)	1994	sources instruments
79.	Burian A, Lecante P, Mosset A, J. Galy, J. M. Tonnerre, D. Raoux,	Application of differential anomalous x-ray scattering to structural studies of amorphous Cd ₅₉ As ₄₁ and Cd ₂₆ As ₇₄ using synchrotron radiation,	Universitatis Iagellonicae Folia Physica [Zeszyty Naukowe Uniwersytetu Jagiellońskiego] (1994) XXXVI, 23-27.	1994	physics: solid state
80.	Grybos J, Hohlwein D, Zeiske T, Sonntag R, Kubanek F, Eichhorn K, Wolf T.	Atomic displacements in the ortho-II phase of YBa ₂ Cu ₃ O _{6.50} by synchrotron X-ray diffraction.	Physica C 220 (1994) S. 138-142	1994	physics: solid state
81.	Wierzchowski W	Badania realnej struktury monokryształów i warstw epitaksjalnych z zastosowaniem promieniowania synchrotronowego i symulacji obrazów dyfrakcyjnych	Prace ITME, vol. 44 (1994)	1994	technology
82.	Kwiatk WM	Bio-medical applications of synchrotron X-ray fluorescence	Acta Physica Polonica A Vol.86 (1994) 695-703.	1994	physics: general
83.	Lawniczak-Jablonska K, Inoue J, Tohyama T, Czyzyk MT.	Correlation effects in X-ray spectra of Ni and Ni in Ni ₃ Mo.	Physical Review B - Condensed Matter, vol.49, no.20, 1994, pp.14165-14171.	1994	physics: solid state
84.	Markowski R, M Piacentini, D Debowska, M Zimnal-Starnawska, F Lama, N Zema J and A Kisiel	Electronic structure of zincblende ZnSe: theory and experiment	Journal of Physics: Condensed Matter 6 (1994) 3207-3219. Printed in the UK	1994	physics: condensed matter

	A Kisiel		UK		
85.	Zimnal-Starnawska M, J. Łazewski, Kisiel A, F. Boscherini, S. Pascarelli, W.Giriat	EXAFS Studies of Zn _{1-x} Mn _x S Ternary Compounds	Acta Physica Polonica A 86, no.5, 763, (1994)	1994	physics: general
86.	Lawniczak-Jablonska K, Golacki Z.	Extended X-ray absorption fine structure studies of Co doped ZnS and ZnSe alloys.	Acta Physica Polonica A, vol.86, no.5, 1994, pp.727-735.	1994	physics: general
87.	Rokita E, Lazewski J, Hermes C, Nolting HF	Heating-induced conversion of Sr-contaminated brushite-EXAFS data analysis	Acta-Physica-Polonica-A. Nov. 1994; 86(5): 767-770	1994	physics: general
88.	Burian A, Lecante P, Mosset A, J. Galy, J. M. Tonnerre, D. Raoux,	Interpretation of differential anomalous x-ray scattering data for amorphous Cd-As,	Acta Physica Polonica A 86 (1994) 633-640.	1994	physics: general
89.	Zimnal-Starnawska M, Debowska D, Kisiel A, M.Piacentini, F.Lama, Zema N, W.Giriat,	Liquid Nitrogen Temperature Reflectivity Spectra of Zn _{1-x} Mn _x Se and Zn _{1-y} Fe _y Se Mixed Crystals	Acta Physica Polonica A 86, no.5, 869, (1994)	1994	physics: general
90.	Gog T, Harasimowicz T, Dev BN, Materlik G	Location of Ti Atoms Diffused into Nearly Perfect Crystals of LiNbO ₃ : An X-Ray Standing-Wave Study,	Europhysics Letters 25 253 1994	1994	physics: general
91.	Kupcik, V. Grochowski, J. Serda, P	model for a new pseudo-hexagonal BN	Zeitschrift fur Kristallographie 209, 1994, 236	1994	crystallography
92.	Debowska D, R.Markowski, Kisiel A, Zimnal-Starnawska M, M.Piacentini, Zema N, F.Lama,	Optical Properties of ZnSe: Experiment and Theory	Universitatis Iagellonicae Folia Physica [Zeszyty Naukowe UJ, Folia Physica] XXXVI, p.53, (1994)	1994	physics: general
93.	Sobczak E, Nietubyc R, Sobczak JW.	Photoemission and inverse photoemission studies of SiO ₂ .	Acta Physica Polonica A, vol.86, no.5, 1994, pp.837-843.	1994	physics: general
94.	Kowalski BJ, Golacki Z, Guzewicz E, Orłowski BA, Masek J, Ghijsen J, Johnson R.	Resonant photoemission spectra of Zn _{1-x} Co _x S valence band.	Acta Physica Polonica A, vol.86, no.5, 1994, pp.831-836.	1994	physics: general
95.	Zema N, F.Lama, M. Piacentini, Debowska D, Kisiel A, A.Mycielski, C.G.Olson	Synchrotron Radiation Photoemission Studies of Fe 3d States in Cd _{1-x} Fe _x Se	Acta Physica Polonica A 86, 861, (1994)	1994	physics: general
96.	Pascarelli S, F. Boscherini, S. Mobilio, Lawniczak-Jablonska K, R. Kozubski,	The local structure of L1-ordered Ni ₇₅ (Al _{1-x} Fe _x) alloys",	Physical Review B - Condensed Matter 49, 1994, 14 984.	1994	physics: solid state
97.	Moore M, A.R. Lang, W. Wierzchowski	The stereoscopic observation of synthetic diamond with Haruta-pairs of synchrotron double-crystal topographs	Acta Physica Polonica A 85 (1994) 53.	1994	physics: general
98.	Polewski K, Kramer SL, Kolber ZS, Trunk JG, Monteleone DC, Sutherland JC.	Time-resolved fluorescence using synchrotron radiation excitation: A powered fourth-harmonic cavity improves pulse stability.	Review of Scientific Instruments, Aug94, Vol. 65 Issue 8, p2562-2568	1994	sources instruments
99.	Oleszkiewicz J, Konior J, Kisiel A, R.Markowski, S.Kaprzyk, E.Burattini,	X-Ray Near Edge Spectra of CdFeSe, ZnFeSe and ZnMnSe	Universitatis Iagellonicae Folia Physica [[zeszyty Naukowe UJ, Folia Physica] XXXVI, p.29 (1994)	1994	physics: general
100.	Lee PM, A Kisiel, E Burattini and M Demianiuk	X-ray near-edge structure analysis of ZnSe, ZnMnSe and ZnFeSe: experimental and	Journal of Physics: Condensed Matter 6 (1994)	1994	physics: solid state

	Demianiuk	theoretid studies .	5771-5781		state
101.	Olsson LO, L. Ilver, J. Kanski, P. O. Nilsson, B. J. Kowalski, M. C. Håkansson, and U. O. Karlsson	Anomalous quenching of photoemission from bulk states by deposition of Cs on InAs(100)	Physical Review B - Condensed Matter 52, 1470-1473 (1995)	1995	physics: condensed matter
102.	Kowalski BJ, Guziewicz E, Orłowski BA, et al.	Band structure of MBE-grown ZB-MnTe/CdTe-optical and photoemission studies	Thin Solid Films 267 (1-2): 69-73 OCT 15 1995	1995	surface science
103.	Wierzchowski W, M. Moore	Bragg-case images of stacking faults	Acta Crystallographica A 51 (1995) 831.	1995	crystallography
104.	Lawniczak-Jablonska K, Iwanowski RJ, Golacki Z, Traverse A, Pizzini S, Fontaine A.	Correlation between XANES of the transition metals in ZnS and ZnSe and their limit of solubility.	Physica B, vol.208-209, no.1-4, 1 1995, pp.497-499.	1995	physics: general
105.	Misiuk A, Vanhellefont J, Claeys C., Hartwig J., Prieur E., Datsenko L., Khrupa V., Antonova I.V, Bak-Misiuk J.	Creation and dissolution of oxygen related defects in Czochralski grown silicon treated at high pressures - high temperatures	Applied Crystallography, ed. H. Morawiec, D. Stroz, World Scientific (1995) pp. 328-	1995	crystallography
106.	Burian A	Determination of partial structure factors for amorphous Cd-As films by anomalous wide angle x-ray scattering using synchrotron radiation,	Zastosowania promieniowania synchrotronowego, ed.: E. Sobczak, wyd. Fundacji im. Wojciecha Świątosławskiego, Gliwice, 1995, str. 51- 56.	1995	sources instruments
107.	Hryniewicz AZ, Kisiel A	Electron Spectroscopy Using Synchrotron Radiation	Nucleonika 40 (1995) 3-20	1995	physics: nuclear
108.	Sobczak E., Byszewski P., Traverse A.	Fe K-edge XANES studies of Fe intercalated fulleride	Zastosowanie promieniowania synchrotronowego, ed.: E. Sobczak (Fundacja im. Wojciecha Świątosławskiego, Gliwice, 1995) 143-147	1995	sources instruments
109.	Orłowski BA, Kowalski BJ, Golacki Z, Story T, Johnson RL.	Gd 4f and 5d electrons in Sn _{0.96} Gd _{0.04} Te valence band.	Acta Physica Polonica A, vol.88, no.5, 1995, pp.857-860.	1995	physics: general
110.	Bujacz G, Jaskolski M, J.Alexandratos, A.Wlodawer, G.Merkel, R.A.Katz, A.M.Skalka	High-resolution Structure of the Catalytic Domain of Avian Sarcoma Virus Integrase.	Journal of Molecular Biology 253 (1995) 333-346.	1995	biology
111.	Lagomarsino S, S. Di Fonzo, W. Jark, B. Müller, A. Cedola, J.B. Pełka	Interference effects in x-ray specular reflectivity from thin films	Materials Research Society Symposium Proceedings, Structure and Properties of Multilayered Thin Films Vol. 382, Edited By: T. D. Nguyen, B. M. Lairson, B. M. Clemens, K. Sato, and S-C. Shin, pp. 381-389	1995	materials
112.	Iwanowski R.J., Lawniczak-Jablonska K.	Local atomic structure of ZnMnS diluted magnetic semiconductors: an EXAFS study	Zastosowanie promieniowania synchrotronowego, ed.: E. Sobczak (Fundacja im. Wojciecha Świątosławskiego, Gliwice,	1995	sources instruments

			1995) pp. 69-74.		
113.	Lawniczak-Jablonska K, Iwanowski RJ, Golacki Z	Local structure of ZnS and ZnSe doped by Mn, Fe, Co, and Ni	Zastosowanie Promieniowania Synchrotronowego (ed. E. Sobczak), Warszawa, 1995, I-7.	1995	sources instruments
114.	Hakansson MC, L. S. O. Johansson, P. R. Varekamp, U. O. Karlsson, J. Kanski, and B. J. Kowalski	Photoemission study of the band gap on cesiated Ge(111)1×1:As	Physical Review B - Condensed Matter 52, R11646-R11649 (1995)	1995	physics: condensed matter
115.	Guziewicz E, Szamota-Sadowska K, B. J. Kowalski, W. Szuszkiewicz, B. Witowska, B. A. Orłowski,	Reflectivity Study of Cubic Hg _{1-x} Fe _x S and HgSe _{1-y} S _y	Zastosowanie Promieniowania Synchrotronowego, Mat. 3. 1995, ed. E. SobczakWyd. Fundacji im. W. Świątosławskiego 1995, p. 65	1995	sources instruments
116.	Orłowski BA, B.J. Kowalski, L. van Khoi, R.R. Galazka, J. Ghijsen, and R.L. Johnson	Resonant photoemission study of Mn 3d electrons contribution to the Pb _{0.92} Mn _{0.08} Se valence band	Acta Physica Polonica A 87, 329-332 (1995)	1995	physics: general
117.	Debowska D, Zimnal-Starnawska M, Kisiel A, M.Piacentini, Zema N, F.Lama, W. Girit,	Room and Liquid Nitrogen Temperature Reflectivity Spectra of Zn _{1-x} Co _x Se mixed crystals	Acta Physica Polonica A 87, no. 1, 275 (1995)	1995	physics: general
118.	Pelka J.B., S. Lagomarsino, A. Cedola, S. Di Fonzo, W. Jark, B. Müller, and J. Domagała	Secondary effects excited by standing waves in x-ray waveguide layers	Zastosowanie Promieniowania Synchrotronowego", ed. E. Sobczak, Wydawnictwo Fundacji im. Wojciecha Świątosławskiego, Warszawa 1995, pp. 130-135.	1995	sources instruments
119.	Misiuk A, Härtwig J., Prieur E., Bak-Surma B., Leszczyński M.	Synchrotron diffraction topography of pressure Czochralski grown Si and Al _x Ga _{1-x} As/GaAs cry	Zastosowanie Promieniowan Synchrotronowego, Warszaw 108-113	1995	sources instruments
120.	Zema N, F.Lama, M.Piacentini, A.C.Felici, Debowska D, Kisiel A, C.G.Olson	Synchrotron Radiation Photoemission Studies of Mn 3d States in Zn _{1-x} Mn _x Se	Acta Physica Polonica A 87, no.2, 495 (1995)	1995	physics: general
121.	Sobczak E, Swilem Y, Nietubyc R., Ślawska-Waniewska A., Traverse A., Dynowska E.	XANES studies of Fe-based amorphous and nanocrystalline alloys using synchrotron radiation	Zastosowanie promieniowania synchrotronowego, ed.: E. Sobczak (Fundacja im. Wojciecha Świątosławskiego, Gliwice, 1995) p. 148-153.	1995	sources instruments
122.	Kowalski BJ, Golacki Z, Guziewicz E, Orłowski BA, Ghijsen J, Johnson RL.	4f contribution to valence band of Pb _{1-x} RE _x S (RE=Eu, Gd) studied by resonant photoemission.	Acta Physica Polonica A, vol.90, no.5, 1996, pp.1035-1039.	1996	physics: general
123.	Jaskolski M, Wlodawer A	A minimalist's approach to the phase problem - Phasing selenomethionyl protein structures using Cu K alpha data	Acta Crystallographica D: Biological Crystallography 52: 1075-1081 1996	1996	crystallography: biological
124.	Guziewicz E, Orłowski BA, Kowalski BJ, N. Barrett, D. Martinotti, C. Guillot, J.-P. Lechamey, C. A. Sabone	Cd _{1-x} Fe _x Se/Fe interface formation observed by means of photoemission Spectroscopy	Acta Physica Polonica A 90, 805 (1996).	1996	physics: general

	Lacharme, C.A. Sebenne,				
125.	Lawniczak-Jablonska K, Duda LC, Guo J, Butorin SM, Nordgren J.	Changes in electronic structure of Ni ₃ Mo caused by modification of atomic order.	Physica B, vol.217, no.1-2, 1996, pp.78-86.	1996	physics: general
126.	Katrusiak A, Dauter Z	Compressibility of lysozyme protein crystals by X-ray diffraction	Acta Crystallographica D: Biological Crystallography 52: 607-608 1996	1996	crystallography: biological
127.	Cooper MJ, Lawson PK, Dixon MAG, et al.	Compton scattering study of 4f magnetism in CeFe ₂	Physical Review B - Condensed Matter 54 (6): 4068-4074 1996	1996	physics: solid state
128.	Minor W, Steczko J, Stec B, et al.	Crystal structure of soybean lipoxygenase L-I at 1.4 angstrom resolution	BIOCHEMISTRY-US 35 (33): 10687-10701 AUG 20 1996	1996	chemistry: biological
129.	Di Fonzo S, Jark W, Lagomarsino S, Cedola A, Mueller BR, Pelka JB.	Electromagnetic field resonance in thin amorphous films: a tool for non-destructive localization of thin marker layers by use of a standard X-ray tube.	Thin Solid Films, vol.287, no.1-2, 1996, pp.288-292.	1996	surface science
130.	Kityk IV, Kasperczyk J, Andrievskii BV	Energy band structure of KLiSO ₄ single crystals	PHYSICS LETTERS A 216 (1-5): 161-166 JUN 17 1996	1996	physics: general
131.	Iwanowski RJ, Lawniczak-Jablonska K, Winter I, Hormes J.	EXAFS studies of local atomic structure in Zn _{1-x} MnxS.	Solid State Communications, vol.97, no.10, 1996, pp.879-885.	1996	physics: solid state
132.	Hamalainen K, Manninen S, Kao CC, et al.	High resolution Compton scattering study of Be	Physical Review B - Condensed Matter 54 (8): 5453-5459 1996	1996	physics: solid state
133.	Schad R, Barnas J, Belien P, et al.	Influence of different kinds of interface roughness on the giant magnetoresistance in Fe/Cr superlattices	Journal of Magnetism & Magnetic Materials 156 (1-3): 339-340 APR 1996	1996	materials
134.	Szamota-Sadowska K, Kowalski BJ, Guziewicz E, Orlowski BA, Sadowski J, Golacki Z, Ghijsen J, Johnson RL, Belkhou R, Radosavkic D, Martinotti D, Barrett N, Guillot C.	Influence of Yb on valence band density of states of CdYbTe and PbYbTe-a resonant photoemission study.	Acta Physica Polonica A vol.90, no.5, 1996 943-946.	1996	physics: general
135.	Wierzchowski W, Mazur K, Strupinski W, et al.	Investigation of misfit dislocation sources in GaAs epitaxial layers	Acta Physica Polonica A 89 (3): 341-346 MAR 1996	1996	physics: general
136.	Kwiatk WM, Drewniak T, Lekka M, et al.	Investigation of trace elements in cancer kidney tissues by SRIXE and PIXE	Nuclear Instruments and Methods in Physics Research, Section B (Beam Interactions with Materials and Atoms) 109: 284-288 APR 1996	1996	sources instruments
137.	Lawniczak-Jablonska K, Iwanowski RJ, Golacki Z, Traverse A, Pizzini S, Fontaine A, Winter I, Hormes J.	Local electronic structure of ZnS and ZnSe doped by Mn, Fe, Co, and Ni from X-ray-absorption near-edge structure studies.	Physical Review B - Condensed Matter, vol.53, no.3, 1996, pp.1119-1128.	1996	physics: condensed matter
138.	Kisiel A, Lazewski J, ZimnalStarnawska M, et al.	Manganese distribution in CdMnTeSe crystals. EXAFS data analysis	Acta Physica Polonica A 90 (5): 1032-1034 NOV 1996	1996	physics: general
139.	Tilinin IS	Mean escape depth of signal photoelectrons ejected from solids by polarized x rays	Physical Review B - Condensed Matter 53 (2):	1996	physics: solid state

		ejected from solids by polarized x rays	547-555 1996		state
140.	Patrykiewicz A	Phase transitions in adsorbed layers	Studies in Surface Science and Catalysis 99: 599-627 1996	1996	surface science
141.	Christensen SV, Nerlov J, Godowski PJ, et al.	Photoemission and high resolution electron energy loss spectroscopy study of CO/K/Cu(110)	Journal of Chemical Physics 104 (23): 9613-9619 JUN 15 1996	1996	physics: chemical
142.	Szymanski M, Kolodziej J, Czuba P, et al.	Photon stimulated desorption from alkali halide surfaces at near threshold energies	Surface Science 363 (1-3): 229-233 AUG 1 1996	1996	surface science
143.	Varekamp PR, Hakansson MC, Kanski J, M. Björkqvist, M. Göthelid, B. J. Kowalski, Z. Q. He, D. K. Shuh, J. A. Yarmoff, U. O. Karlsson	Reaction of I-2 with the (001) surfaces of GaAs, InAs, and InSb .2. Ordering of the iodine overlayer	Physical Review B - Condensed Matter 54 (3): 2114-2120 1996	1996	physics: solid state
144.	Misiuk A, Surma B, Hartwig J	Stress-induced oxygen precipitation in Cz-Si	Materials Science And Engineering B-Solid State Materials For Advanced Technology 36 (1-3): 30-32 JAN 1996	1996	physics: condensed matter
145.	Satula D, Dobrzynski L, Waliszewski J, Szymanski K, Recko K, Malinowski A, Bruckel T, Scharf O, Blinowski K	Structural and magnetic properties of Fe-Cr-Al alloys with DO3-type structure	Journal of Magnetism & Magnetic Materials 169 (3): 240-252 MAY 1997	1996	materials
146.	Moraczewska J, StrzeleckaGolaszewska H, Moens PDJ, dosRemedios CG	Structural changes in subdomain 2 of G-actin observed by fluorescence spectroscopy	BIOCHEMICAL JOURNAL 317: 605-611 Part 2 JUL 15 1996	1996	chemistry: biological
147.	Gromadka R. Gora M. Zielenkiewicz U. Slonimski PP. Rytka J.	Subtelomeric duplications in Saccharomyces cerevisiae chromosomes III and XI: topology, arrangements, corrections of sequence and strain-specific polymorphism.	Yeast 12(6):583-91, 1996 May.	1996	biology
148.	Kowalski BJ, A. Cricenti, Guziewicz E, W.M. Tong, Orłowski BA	Surface Electronic Structure of CdTe Studied by Means of Optical and Electron Spectroscopies	Proc. 23 Inter. Conf.Phys.Semiconductors, 2, 867 (1996), Berlin, Germany 1996	1996	physics: solid state
149.	Zema N, Lama F, Mangiatini M, et al.	Synchrotron radiation photoemission studies of Fe 3d states in Cd _{1-x} Fe _x Se	Journal of Electron Spectroscopy 78: 497-502 1996	1996	spectroscopy p
150.	Kaszur ZA, R.H.Jones, R.G.Bell, C.R.A.Catlow, J.M.Thomas,	The location of para-xylene in the pores of a model ferrierite catalyst: a powder diffraction and computational study,	Molecular Physics, 89, 1345-1357(1996).	1996	physics: general
151.	Biehl H, Boyle KJ, Smith DM, Tuckett RP, Yoxall KR, Codling K, Hatherly PA, Stankiewicz M	Threshold photoelectron spectroscopy of BCl ₃ and fragmentation of the valence electronic states of BCl ₃ ⁺ , studied by coincidence spectroscopies (vol 92, pg 185, 1996)	JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS 92 (10): 1819-1819 MAY 21 1996 (addendum)	1996	chemistry: general
152.	Biehl H, Boyle KJ, Smith DM, Tuckett RP, Yoxall KR, Codling K, Hatherly PA, Stankiewicz M	Threshold photoelectron spectroscopy of BCl ₃ and fragmentation of the valence electronic states of BCl ₃ ⁺ , studied by coincidence spectroscopies	JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS T 92 (2):	1996	chemistry: general

		coincidence spectroscopies	185-192 JAN 21 1996		
153.	Bak-Misiuk J, Domagala J, Trela J, Leszczynski M, Misiuk A, Hartwig J, Prieur E.	Transformation of AlGaAs/GaAs interface under hydrostatic pressure.	Acta Physica Polonica A, vol.89, no.3, 1996, pp.405-409.	1996	physics: general
154.	Orlowski BA, Kowalski BJ, Barrett N, et al.	Valence band of Cd _{1-x} Fe _x Se/Fe in resonant photoemission spectra	Applied Surface Science 104: 282-285 1996	1996	surface
155.	Orlowski BA, Kowalski BJ, N.Barrett, D.Martinotti, C.Guillot, J.P.Lacharme, C.A.Sebenne	Valence Band of CdFeSe/Fe in Resonant Photoemission Spectra	Applied Surface Science, 104/105, 282 (1996)	1996	surface
156.	Kowalski BJ, Golacki Z, Guziewicz E, Orlowski BA, Johnson RL.	4f shell of Gd ²⁺ and Gd ³⁺ ions in Sn _{1-x} GdxTe - resonant photoemission study.	Acta Physica Polonica A 92, no.5, 1997, pp.875-878.	1997	physics: general
157.	Mosset A, P. Lecante, P. Baules, J. Jaud, J. Galy, A. Burian,	A laboratory dispersive EXAFS spectrometer,	Acta Physica Polonica A, (1997) 91, 825-828.	1997	physics: general
158.	Krzywinski J, Saldin EL, Schneidmiller EA, Yurkov MV.	A new method for ultrashort electron pulse-shape measurement using synchrotron radiation from a bending magnet	Nuclear Instruments and Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment) 401 (2-3): 429-441 1997	1997	sources instruments
159.	Kisiel A, Czarnecka-Such E, P.M. Lee, E. Burattini, W. Giriat	An Analysis of Zn and Se K Edges XANES Spectra for ZnMeSe, (Me=Ni, Cr, V and Ti)	Journal de Physique IV France 7, C2, 1199 (1997).	1997	physics
160.	Lawniczak-Jablonska K, Suski T, Liliental-Weber Z, Gullikson EM, Underwood JH, Perera RCC, Drummond TJ.	Anisotropy of the nitrogen conduction states in the group III nitrides studied by polarized X-ray absorption.	Applied Physics Letters 70, 20, 1997, 2711-2713.	1997	physics: applied
161.	Wieteska K, Wierzchowski W, Graeff W	Bragg-case synchrotron section topography of silicon implanted with high-energy protons and alpha particles	Journal of Applied Crystallography 30: 238-243 Part 3 JUN 1 1997	1997	crystallography
162.	Sobczak E, Traverse A, Nietubyc R, Swilem Y, Byszewski P, Zymierska D	C ₆₀ /FeC ₆₀ / complexes in Fe intercalated fullerite studied by X-ray absorption.	Acta Physica Polonica A vol.91, no.5, 1997 877-881.	1997	physics: general
163.	Guziewicz E, Kowalski BJ, Golacki Z, Orlowski BA, Johnson RL, Masek J.	Cd _{1-x} Fe _x Te ternary crystal formation studied by resonant photoemission.	Acta Physica Polonica A vol.92, no.4, 1997 793-796	1997	physics: general
164.	Palosz W, Gillies D, Graszka K, et al.	Characterization of cadmium-zinc telluride crystals grown by 'contactless' PVT using synchrotron white beam topography	Journal of Crystal Growth 182 (1-2): 37-44 DEC 1997	1997	crystal growth
165.	Iwanowski RJ, Lawniczak-Jablonska K, Traverse A.	Chemical shifts at K-absorption edges of transition metals admixed to ZnS and ZnSe.	Acta Physica Polonica A vol.91, no.4, 1997 803-808.	1997	physics: general
166.	Guziewicz E, Szamota-Sadowska K, Kowalski BJ, Grodzicka E, Story T, Orlowski BA, Johnson R	Cr 3d Surface and Bulk States in Sn _{1-x} Cr _x Te/Cr Crystals",	Acta Physica Polonica A 91, 783-787 (1997).	1997	physics: general
167.	Adamiak DA, Milecki J, Popenda M, Adamiak RW, Dauter Z, Rypniewski WR.	Crystal structure of 2'-O-Me(CGCGCG)(₂), an RNA duplex at 1.30 angstrom resolution. Hydration pattern of 2'-O-methylated RNA	NUCLEIC ACIDS RES 25 (22): 4599-4607 NOV 15 1997	1997	chemistry: biological
168.	Koellner G, Luic M, Shugar D, et al.	Crystal structure of calf spleen purine nucleoside phosphorylase in a complex with	Journal of Molecular Biology 265 (2): 202-216 JAN 17	1997	biology

	al.	hypoxanthine at 2.15 angstrom resolution	1997		
169.	Misiuk A, Hartwig J, Prieur E, Ohler M, Bak-Misiuk J, Domagala J, Surma B.	Defect structure of pressure treated Czochralski grown silicon investigated by X-ray topography and diffractometry.	Acta Physica Polonica A vol.91, no.5, 1997 987-991.	1997	physics: general
170.	Misiuk A, Zaumseil P, Antonowa I., Bak-Misiuk J., Bugiel E., Härtwig J., Romano-Rodriguez A.	Defects in pressure-annealed Cz-Si and SiGe/Si	Institute of Physics Conference Series 160 (1997) pp. 273-276	1997	physics: general
171.	Przenioslo R, Sosnowska I, Fischer P, et al.	Determination of the Fe/Sn atoms distribution in BaSn ₂ Fe ₄ O ₁₁ by neutron and synchrotron radiation diffraction	PHYSICA B 234: 931-933 JUN 1997	1997	physics: general
172.	Burian A, Lecante P, Mosset A, J. Galy, J. M. Tonnerre, D. Raoux,	Differential anomalous x-ray scattering studies of amorphous Cd ₅₉ As ₄₁ and Cd ₂₆ As ₇₄ ,	Journal of Non-Crystalline Solids, (1997) 212, 23-39.	1997	materials
173.	Henn R, Wittlin A, Cardona M, et al.	Dynamics of the c-polarized infrared-active modes in La _{2-x} Sr _x CuO ₄	Physical Review B - Condensed Matter 56 (10): 6295-6301 1997	1997	physics: solid state
174.	Bak-Misiuk J, Domagala J, Paszkowicz W, Trela J, Zytkeiwicz ZR, Leszczynski M, Reginski K, Muszalski J, Hartwig J, Ohler M.	Effect of doping on Ga _{1-x} Al _x As structural properties.	Acta Physica Polonica A vol.91, no.5, 1997 911-915.	1997	physics: general
175.	Iwanowski RJ, Lawniczak-Jablonska K.	EXAFS determination of bond lengths in Zn _{1-x} Fe _x S ternary alloys.	Acta Physica Polonica A vol.91, no.4, 1997 797-801.	1997	physics: general
176.	Iwanowski RJ and Lawniczak-Jablonska K	EXAFS determination of the bond lengths in ZnFeS ternary alloys"	Acta Physica Polonica A 91, 1997, 797.	1997	physics: general
177.	Sobczak E, Zymierska D, Byszewski P, Traverse A.	Fe clusters in Fe intercalated fullerite.	Acta Physica Polonica A vol.91, no.2, 1997 447-450.	1997	physics: general
178.	Paszkowicz W, Dynowska E	High pressure high temperature diffraction study of MnTe using synchrotron radiation	Acta Physica Polonica A 91 (5): 939-944 1997	1997	physics: general
179.	Paszkowicz W, Dynowska E., Peun T	High pressure-high temperature diffraction study of MnTe using synchrotron radiation.	Acta Physica Polonica A vol.91, no.5, 1997 939-944.	1997	physics: general
180.	Paszkowicz W, Dynowska E, Zytkeiwicz ZR, Dobosz D, Otto JW.	High-pressure diffraction study of Ga _{1-x} Al _x As.	Acta Physica Polonica A vol.91, no.5, 997 993-996.	1997	physics: general
181.	Palosz B, Stelmakh S, M.Aloshina, Gierlotka S, P.Zinn, Th.Peun, U.Bismayer	High-Pressure High-Temperature in situ Diffraction Study of Sintering of SiC: α -, β - and Nanocrystalline Ceramics	Proceedings Q-MAT '97, Warsaw, 16-19 April (1997).	1997	materials
182.	Lawniczak-Jablonska K, Perera RCC, Underwood JH, Gullikson EM, Iwanowski RJ.	Hybridization of the 3d states of transition metals with the states of the ZnS matrix.	Physical Review B - Condensed Matter, vol.55, no.16, 1997, pp.10376-10381.	1997	physics: solid state
183.	Wieteska K, Wierzchowski W, Graeff W	Interference effects in Bragg-case synchrotron section topography of elastically bent silicon implanted crystals	NUOVO CIMENTO D 19 (2-4): 233-239 FEB-APR 1997	1997	physics: general
184.	Wieteska K, Wierzchowski W, Graeff W, et al.	Interference fringes in synchrotron section topography of implanted silicon with a very large ion range	Acta Physica Polonica A 91 (5): 1021-1024 1997	1997	physics: general

185.	Mosset A, Lecante P, Baules P, et al.	Laboratory dispersive EXAFS spectrometer	Acta Physica Polonica A 91 (4): 825-828 1997	1997	physics: general
186.	Lawson PK, Cooper MJ, Dixon MAG, D. N. Timms, E. Zukowski, F. Itoh, and H. Sakurai	Magnetic-Compton-scattering study of spin moments in UFe ₂	Physical Review B - Condensed Matter 56 (6): 3239-3243 1997	1997	physics: solid state
187.	Kowalski BJ, W. Szuszkiewicz, Orłowski BA, Z.Q. He, L. Ilver, J. Kanski, P.-O. Nilson	Photoemission study of beta-HgS	Journal of Electron Spectroscopy and Related Phenomena 85, 17 (1997)	1997	spectroscopy
188.	Erman P, Karawajczyk A, RachlewKallne E, et al.	Photoionization processes in NO in the threshold region	Chemical Physics Letters 273 (3-4): 239-246 1997	1997	physics: chemical
189.	Szuszkiewicz W, Gebicki W, Bak-Misiuk J, Domagała J, Leszczynski M, Hartwig J.	Physical properties of AlGaAs epilayers subjected to high pressure-high temperature treatment.	Acta Physica Polonica A vol.91, no.5, 1997 1003-1007.	1997	physics: general
190.	Kisiel A	Promieniowanie synchrotronowe w charakteryzacji kryształów	Materialy Elektroniczne, 25, 3, 56, (1997), Warszawa, ITME, Biuletyn PTWK nr 9.	1997	materials
191.	Lawniczak-Jablonska K, Jia JJ, Lin L, Grush MM, Callcott TA, Asfaw A, Carlisle JA, Terminello LJ, Himpsel FJ, Ederer DL, Underwood JH, Perera RCC.	Resonant inelastic scattering in dilute magnetic semiconductors by soft X-ray fluorescence spectroscopy.	Applied Physics A (Materials Science Processing), vol.65, no.2, 1997, pp.173-177.	1997	physics: applied
192.	Kowalski BJ, Golacki Z, Guziwicz E, Orłowski BA, Ghijzen J, Johnson RL.	Resonant photoemission study of Gd 4f states in IV-VI crystals.	Acta Physica Polonica A vol.91, no.4, 1997 819-823.	1997	physics: general
193.	Orłowski N, C. Janowitz, A. Muller, R. Manzke, Kowalski BJ, Orłowski BA	Resonant Photoemission Study of Sn(0.96)Gd(0.4)Te	Acta Physica Polonica A 91, 847 (1997)	1997	physics: general
194.	Kisiel A, Lazewski J, ZimnalStamawska M, et al.	Site occupation preferences in CdMnTeSe quaternary alloys. EXAFS data analysis	Journal de Physique IV 7 (C2): 1197-1198 Part 2 APR 1997	1997	physics: general
195.	Zema N, Piacentini M, Czuba P, J. Kolodziej, P. Piatkowski, Z. Postawa, M. Szymonski	Spectroscopic behavior of halogen photodesorption from alkali halides under UV and VUV excitation	Physical Review B - Condensed Matter 55 (8): 5448-5454 1997	1997	physics: solid state
196.	Kaprzyk S	Spin density in real and momentum space in multi-atom alloys by KKR-CPA method	Acta Physica Polonica A 91 (1): 135-150 1997	1997	physics: general
197.	Zukowski E, Andrejczuk A, Dobrzynski L, et al.	Spin-dependent electron momentum densities in Cu ₂ MnAl studied by Compton scattering	Journal of Physics-Condensed Matter 9 (49): 10993-11005 DEC 8 1997	1997	physics: solid state
198.	Szymonski M, Kolodziej J, Czuba P, et al.	Stimulated desorption from bulk and epitaxial alkali halides	Materials Science Forum 239-: 615-620 1997	1997	materials
199.	Datsenko L, Khruva V, Krasulya S, Misiuk A, Hartwig J, Surma B	Structural perfection of Czochralski grown silicon crystals annealed above 1500 K under hydrostatic pressure	Acta Physica Polonica A 91 (5): 929-933 1997	1997	physics: general
200.	Baczewski L.T. , A. Wawro, J.B. Pelka, J. Domagała, A. Szewczyk and A. Nabiałek	Structure and magnetism of MBE-grown Co/Cu multilayers	Acta Physica Polonica A 91 (1997) 315-319.	1997	physics: general
201.	Burian A	Structure refinement of amorphous Cd-As by analysis of partial radial distribution functions,	Acta Physica Polonica A, (1997) 91, 917-921.	1997	physics: general

		analysis of partial radial distribution functions,	(1997) 91, 917-921.		general
202.	Wierzchowski W, Wieteska K, Graeff W	Synchrotron white beam topographic studies of gallium arsenide crystals	Acta Physica Polonica A 91 (5): 1015-1019 1997	1997	physics: general
203.	Kowalski BJ, Z. Golacki, Guziejewicz E, Orłowski BA, Johnson RL	The 4f Shell of Gd ²⁺ and Gd ³⁺ Ions in Sn _{1-x} GdxTe - A Resonant Photoemission Study	Acta Physica Polonica A 92, 875 (1997)	1997	physics: general
204.	Guziewicz E, Kowalski BJ, Z. Golacki, Orłowski BA, Johnson RL,	The Cd _{1-x} Fe _x Te Ternary Crystal Formation Studied by Resonance Photoemission	Acta Physica Polonica A 92, 793 (1997).	1997	physics: general
205.	Wierzchowski W, Wieteska K, Graeff W	The images of misfit dislocations in Bragg-case synchrotron section topography	NUOVO CIMENTO D 19 (2-4): 227-232 FEB-APR 1997	1997	physics: general
206.	Kisiel A, Piacentini M, Debowska D, N Zema, F Lama, M Zimnal-Starnawska, W Giriak, A Ho Iday and R Markowski	The influence of transition metals on the electronic structure of ZnSe host crystal: fundamental reflectivity analysis	Journal of Physics-Condensed Matter 9 (41): 8767-8786 OCT 13 1997	1997	physics: solid state
207.	Yencha AJ, Thompson DB, Cormack AJ, et al.	Threshold photoelectron spectroscopy of SF ₆	Chemical Physics 216 (1-2): 227-241 MAR 15 1997	1997	physics: chemical
208.	Erman P, Karawajczyk A, Koble U, et al.	Ultra-short lived non-Rydberg doubly excited resonances observed in molecular photoionization of CO and N-2 molecules	Acta Physica Polonica A 91 (4): 763-767 1997	1997	physics: general
209.	Sobczak E, Nietubyć R, Traverse A, Zymierska D, Swilem Y, Byszewski P.	XAFS study of Fe intercalated fullerite.	Journal de Physique IV, vol.7, no.C2, pt.2, 1997, pp.1235-1236.	1997	physics: general
210.	Zimnal-Starnawska M, Czarnecka-Such E, Kisiel A, et al.	XANES analysis of L-3,L-2 edges of zinc selenides with transition metals	Journal de Physique IV 7 (C2): 1201-1202 Part 2 APR 1997	1997	physics: general
211.	Kapusta C, Mycielski R, Porebska B, Ahlers D, Attenkofer K, Fischer P, Schutz G	X-MCD study of expanded lattice permanent magnet materials	Acta Physica Polonica A 91 (5): 975-979 MAY 1997	1997	physics: general
212.	Lambrech WRL, Rashkeev SN, Segall B, Lawniczak-Jablonska K, Suski T, Gullikson EM, Underwood JH, Perera RCC, Rife JC.	X-ray absorption and reflection as probes of the GaN conduction bands: theory and experiment of the N K-edge and Ga M _{2,3} edges.	Materials Research Society Symposium Proceedings: III-V Nitrides. Symposium. Mater. Res. Soc. 1997, pp.881-886.	1997	materials
213.	Lambrech WRL, S.N. Rashkeev, B.Segall, Lawniczak-Jablonska K, T. Suski, E.M. Gullikson, J.H. Underwood, R.C.C. Perera, J.C. Rife,	X-ray absorption and reflection as probes of the GaN conduction bands: theory and experiment of the N-Kedge and Ga M _{2,3} - edges.",	III-V Nitrides, ed. T. Moustakas, I. Akasaki, B. Monemar, and F. Ponce, Mater. Res. Soc. Symp. Proc. Vol. 449, p 881-886 (1997).	1997	physics: materials
214.	Swilem Y, Sobczak E, Nietubyć R, Slawska-Waniewska A, Dynowska E.	X-ray absorption studies of Fe _{73.5} Cu ₁ Nb ₃ Si _{15.5} B ₇ amorphous and nanocrystalline alloys.	Acta Physica Polonica A vol.91, no.5, 1997 883-886.	1997	physics: general
215.	Lambrech WRL, Rashkeev SN, Segall B, Lawniczak-Jablonska K, Suski T, Gullikson EM, Underwood JH, Perera RCC, Rife JC, Grzegory I, Porowski S, Wickenden DK.	X-ray absorption, glancing-angle reflectivity, and theoretical study of the N K- and Ga M _{2,3} -edge spectra in GaN.	Physical Review B-Condensed Matter, vol.55, no.4, 1997, pp.2612-2622.	1997	physics: condensed matter
216.	Paszkowicz W, Gorecka J, Domagala J, Dmitruk N, Varshava	X-ray characterization of GaAs:Zn gas-transport grown whiskers using conventional	Acta Physica Polonica A vol.91, no.5, 1997 997-1002.	1997	physics: general

	SS, Hartwig J, Ohler M, Pietraszko A.	and synchrotron sources.	vol.91, no.5, 1997 997-1002.		general
217.	Kowalski G, Gronkowski J, Harasimowicz T, et al.	X-ray diffraction study of porous silicon layers etched on (111)-oriented p(+) substrate	NUOVO CIMENTO D 19 (2-4): 561-570 1997	1997	physics: general
218.	Datsenko L, Misiuk A, Khrupa V, Bak-Misiuk J, Haertwig J, Domagala J, Surma B.	X-ray investigation of the hydrostatic-compression effect upon the formation of oxygen clusters in silicon crystals, grown by the Czochralski method at 1000 K.	METALLOFIZIKA I NOVEISHIE TEKHNOLOGII 19, no.5, 1997, pp.15-20.	1997	materials
219.	Kapusta Cz., I.S. Oliveira, P.C. Riedi, E. Gratz, G. Wiesinger, H. Figiel, A.P. Guimaraes	A nuclear magnetic resonance study of SmCo ₂	Journal of Magnetism & Magnetic Materials, 177-181, 1121 (1998)	1998	materials
220.	Swilem Y, Sobczak E, Nietubyć R, Slawska-Waniewska A, Tischer M.	Amorphous and nanocrystalline Fe ₈₅ Zr ₇ B ₆ Cu ₂ alloys.	Journal of Non-crystalline Solids, vol.232-234, 1998, pp.665-670.	1998	physics: solid state
221.	Szamota-Sadowska K, Golacki Z, Orłowski BA, Boyn R, Johnson RJ.	Analysis of 4f level in samarium-rich MBE grown CdSmTe sample.	Acta Physica Polonica A 94, 3, 1998, pp.560-564.	1998	physics: general
222.	Krawczyk TKV	Analytical applications of inhibition of enzymatic reactions	CHEM ANAL-WARSAW 43 (2): 135-158 1998	1998	chemistry
223.	Grigoriev H.1; Chmielewski A.G.	Capabilities of X-ray methods in studies of processes of permeation through dense membranes	Journal of Membrane Science, Volume 142, Number 1, 2 February 1998, pp. 87-95(9)	1998	biology
224.	Ruebenbauer K, Wdowik UD	Coherent quasielastic Bragg scattering from single crystals containing fast diffusers	Physical Review B - Condensed Matter 58 (18): 11896-11904 1998	1998	physics: solid state
225.	Rantamaki R, Tuomi T, Z.R. Zytkeiwicz, P.J. McNally and A.N. Danilewsky	Comparative analysis of synchrotron x-ray transmission and reflection topography techniques applied to epitaxial laterally overgrown GaAs layers	Journal of X-Ray Science and Technology 8 1998 277 - 288 Options	1998	sources instruments
226.	Bansil A, Kaprzyk S, Andrejczuk A, L. Dobrzyński, J. Kwiatkowska, F. Maniawski, and E. Żukowski	Compton study of Ni ₇₅ Cu ₂₅ and Ni ₇₅ Co ₂₅ disordered alloys: Theory and experiment	Physical Review B - Condensed Matter 57 (1): 314-323 1998	1998	physics: solid state
227.	Kisiel A, Zajdel P, M. Zimnal-Starnawska, P.M. Lee, F. Boscherini, E. Burattini, W. Giriat,	Conduction band studies of iron monochalcogenides: XANES analysis and LMTO numerical calculations	Universitatis Jagellonicae, Folia Physica, XXXIX, 131 (1998).	1998	physics: general
228.	Nadolny AJ, Guzewicz E, Kowalski BJ, Orłowski BA Johnson RL	Contribution of Mn 3d Electrons to the Valence Band of Sn _{0.9} Mn _{0.1} Te	Acta Physica Polonica A 94 (3): 454-458 1998	1998	physics: general
229.	Koellner G, Luic M, Shugar D, et al.	Crystal structure of the ternary complex of E-coli purine nucleoside phosphorylase with formycin B, a structural analogue of the substrate inosine, and phosphate (sulphate) at 2.1 angstrom resolution	Journal of Molecular Biology 280 (1): 153-166 JUL 3 1998	1998	biology
230.	Burian A, Ibanez A, D. Raoux	Determination of partial structure factors for amorphous materials by anomalous X-ray scattering,	Bulletin of the Czech and Slovak Crystallographic Association, „Materials Structure in Chemistry, Biology, Physics and Technology, eds.: R. Kuzel, J. Lhotka, L. Dobiasova, (1998) vol. 5, issue A, str.	1998	science: general

			63-64.		
231.	Haseroth H, Kugler H, Langbein K, et al.	Developments at the CERN laser ion source	Review of Scientific Instruments 69 (2): 1051-1053 Part 2 FEB 1998	1998	sources instruments
232.	Seal S, Underwood H, Uda M, et al.	Effect of temperature on Ti and TiN films deposited on a BN substrate	Journal of Vacuum Science & Technolog A 16 (3): 1901-1906 Part 2 MAY-JUN 1998	1998	materials
233.	Prieur JY, Joffrin J, Szuszkiewicz W, Dynowska E, Gorecka J, Witkowska B.	Elastic constants of beta -HgS	Acta Physica Polonica A vol.94, no.3, 1998 487-491.	1998	physics: general
234.	Ikeda T, Takata M, Sakata M, et al.	Electron density distribution of wurtzite-type gallium nitride by maximum entropy method	Journal of Physical Society of Japan 67 (12): 4104-4109 DEC 1998	1998	physics: general
235.	Palosz B., Stelmakh S, Gierlotka S, M. Aloszyna, Pielaszek R, P. Zinn, Th. Peun, U. Bismayer, D.G. Keil	Evolution of disordering in SiC under high pressure high temperature conditions: in-situ powder diffraction study	Materials Science Forum 278-281 , 612 (1998)	1998	materials
236.	Sobczak E, Swilem Y, Nietubyc R, Slawska-Waniewska A, Tischer M.	EXAFS studies of Fe ₆₆ Cr ₈ Cu ₁ Nb ₃ Si ₁₃ B ₉ amorphous and nanocrystalline alloys.	Applied Crystallography, ed. H. Morawiec, D. Stroz, World Scientific. 1998, pp.148-151.	1998	crystallography
237.	Swilem Y, Sobczak E, Nietubyc R., Ślawska-Waniewska A., Tischer M.	EXAFS study of amorphous and nanocrystalline Fe ₈₅ Zr ₇ B ₆ Cu ₂ alloys	Universitatis Iagellonicae Folia Physica 39 (1998) 145	1998	physics: general
238.	Henn R, Bernhard C, Wittlin A, et al.	Far infrared ellipsometry using synchrotron radiation: the out-of-plane response of La _{2-x} Sr _x CuO ₄	Thin Solid Films 313: 642-648 FEB 1998	1998	surface science
239.	Guziewicz E, Kowalski BJ, Orłowski BA, Ghijsen J, Yu LM, Johnson RL	Fe 3p-3d Fano resonances in CdTe(111)/Fe and Cd _{1-x} Fe _x Te	Journal of Electron Spectroscopy and Related Phenomena 88, 321-326 1998	1998	spectroscopy
240.	Itou M, Sakurai Y, Ohata T, et al.	Fermi surface signatures in the Compton profile of Be	Journal of Physics & Chemistry of Solids 59 (1): 99-103 JAN 1998	1998	physics & chemistry: solid state
241.	Orłowski BA, Guziewicz E, Kowalski BJ, N. Barrett, R. Belkhou, D. Radosavkic, D. Martinotti, C. Guillot, J.P. Lacharme, C.A. Sebenne,	From CdTe/Fe Schottky barrier to Cd _{1-x} Fe _x Te semimagnetic semiconductor	Applied Surface Science 123: 631-635 1998	1998	surface
242.	Guziewicz E, Orłowski BA, Kowalski BJ, N. Barrett, R. Belkhou, D. Radosavkic, D. Martinotti, C. Guillot, J.-P. Lacharme, C.A. Sebenne	From Metal-Semiconductor Junction to Ternary Alloy Crystal	Electron Technology, 31, 323-327 (1998)	1998	technology
243.	Palosz B, Stelmakh S, Gierlotka S, M. Aloszyna, Pielaszek R, P. Zinn, Th. Peun, U. Bismayer, D.G. Keil	High pressure diffraction studies of flame-generated silicon carbide powders	Ceramic Transactions, Vol. 85: Innovative Processing and Synthesis of Ceramics, Glasses, and Composites, NP. Bansal, K.V. Logan, J.P. Singh (eds.), American Ceramic Soc., Westerville, OH/USA, 1998,	1998	materials

			p. 77-88		
244.	Asbrink S, Waskowska, J.S. Olsen, L. Gerward	High-pressure phase of the cubic spinel NiMn ₂ O ₄	Physical Review B - Condensed Matter, 57, 4972 (1998)	1998	physics: solid state
245.	Hilge, M., Gloor, S.M., Rypniewski, W., Sauer, O., Heightman, T.D., Zimmermann, W., Winterhalter, K. & Piontek, K.	High-resolution native and complex structures of thermostable b-mannanase from Thermomonospora fusca - substrate specificity in glycosyl hydrolase family 5.	Structure 6 (1998) 1433-1444.	1998	biology
246.	Onsgaard J, Godowski PJ, Nerlov J, et al.	Interactions between H, CO and CO ₂ on an K-modified Cu(110) surface	Surface Science 398 (3): 318-331 FEB 20 1998	1998	surface science
247.	Paszkwicz W., Dynowska E., Peun T.	Investigation of compression and thermal expansion of α -MnTe using a cubic-anvil X-ray diffraction press	Advances in X-Ray Analysis 40 (1998) 698-703	1998	crystallography
248.	Misiuk A, Hartwig J, Bak-Misiuk J., Tkacz M.	Investigation of defect creation in Si-SiO _{2-x} system at pressures up to 11 GPa	Universitatis Iagellonicae Folia Physica (Zeszyty Naukowe Uniwersytetu Jagiellońskiego) 39 (1998) 37-42	1998	physics: general
249.	Turos A, Wierzchowski W, Wieteska K, et al.	Ion bombardment induced relaxation of strained AlGaAs/GaAs heterostructures studied by the complementary use of RBS-channeling and X-ray synchrotron radiation	Nuclear Instruments and Methods in Physics Research, Section B (Beam Interactions with Materials and Atoms) 137: 1062-1067 MAR 1998	1998	sources instruments
250.	Flottmann K, Faatz B, Czuchry E, et al.	Local beam based alignment procedure for an undulator with superimposed FODO lattice	Nuclear Instruments and Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment) 416 (1): 152-160 OCT 11 1998	1998	sources instruments
251.	Tomka G.J., P.C. Riedi, Cz. Kapusta, G. Balakrishnan, D. McK. Paul, M.R. Lees, J. Barrat	Magnetic properties of Pr _{1-x} (Ca,Sr) _x MnO ₃ studied by NMR	Journal of Applied Physics 83 , 7151 (1998)	1998	physics: applied
252.	Tomka G.J. , Cz. Kapusta, C. Ritter, P.C. Riedi	Magnetic structure and properties of NdMn ₂ Ge ₂ as a function of temperature and pressure	Journal of Magnetism & Magnetic Materials, 177-181 , 821 (1998)	1998	materials
253.	Gavriliuk A.G., .N. Stepanov, I.A. Trojan, V.A. Sidorov, S. Lyubutin, Palosz B, Stelmakh S, M. Winzenick	Magnetism, electronic properties and structure high density state of magnetic solids	Materials Research Society Symposium Proceedings: High-Pressure Mat. Res., 499 , 393-404 (1998)	1998	materials
254.	Sadowski J, Domagala J, Bak-Misiuk J, Swiatek K, Kanski J, Ilver L, Oscarsson H.	MBE growth and properties of GaMnAs(100) films.	Acta Physica Polonica A 94, 3, 1998, 509-513.	1998	physics: general
255.	Schmidt W.R., G. McCarthy, Palosz B, Stelmakh S, M. Aloshina, Gierlotka S, P.Zinn, D.G. Keil, H.F. Calcote	Microstructural Evaluation of Sintered Nanoscale SiC Powders Prepared by Various Processing Routes	Materials Research Society Symposium Proceedings 01 21-26 (1998)	1998	materials

256.	Pielaszek RM, Aloshina, Palosz B, Gierlotka S, Stelmakh S	Modelling of strain distribution in non-hydrostatically pressed nanocrystalline SiC: in situ diffraction study	Materials Research Society Symposium Proceedings 501, 305-310 (1998).	1998	materials
257.	Senczyk D	Nieniszczące badania stanu naprężenia w cienkich warstwach za pomocą promieniowania synchrotronowego	Zeszyty Problemowe - Badania nieniszczące, nr 3, s.303+308, Wyd. Polskiego Towarzystwa Badań Nieniszczących i Diagnostyki Technicznej, Warszawa 1998	1998	materials science
258.	Kapusta Cz.	NMR spectroscopy in rare earth - 3d transition metal alloys	Journal of Alloys & Compounds 275-277 , 161 (1998)	1998	materials
259.	Stanek J, M. Stanek, Li Zhang, S.S. Hafner, J. Metge, H. Gruesteudel	Nuclear Forward Scattering of Synchrotron Radiation Applied for High-Pressure Studies of Minerals	Zeszyty Naukowe Uniwersytetu Jagiellońskiego, Folia Physica 39 (1998) 21-28	1998	physics: general
260.	Zaleski J, Wu G, Coppens P	On the correction of reflection intensities recorded on imaging plates for incomplete absorption in the phosphor layer	Journal of Applied Crystallography 31: 302-304 Part 2 APR 1 1998	1998	crystallography
261.	Burian A	Partial structure factors of amorphous Cd ₅₉ As ₄₁ and Cd ₂₆ As ₇₄ by anomalous wide angle x-ray scattering,	Journal of Non-Crystalline Solids, (1998) 223, 91-104.	1998	materials
262.	Baier R, Dirks M, Redlich K	Photon and dilepton production from hot out-of-equilibrium media	ACTA PHYSICA POLONICA B 28 (12): 2873-2895 DEC 1997	1998	physics: general
263.	Robouch BV, Kisiel A	Probabilistic Analysis of Site - Occupation Preferences in Ga _x In _{1-x} As _y Sb _{1-y} and Cd _x Mn _{1-x} Se _y Te _{1-y} Quaternary Compounds	Acta Physica Polonica A 94, 3, 497 (1998)	1998	physics: general
264.	Szuskiewicz W, Skierbiszewski C, Paszkowicz W, Dybko K, Domagala J, Dynowska E, Witkowska B, Zinn P.	Properties of Fe doped beta -HgS under hydrostatic pressure.	Acta Physica Polonica A 94, 3, 1998, pp.570-4.	1998	physics: general
265.	Deak L, Bayreuther G, Bottyan L, et al.	Pure nuclear Bragg reflection of a periodic Fe-56/Fe-57 multilayer	Journal of Applied Physics 85 (1): 1-7 JAN 1 1999	1998	physics: applied
266.	Franzen KY, Erman P, Hatherly PA, et al.	Quasi two-step dissociation effects observed in the core excited OCS molecule	Chemical Physics Letters 285 (1-2): 71-76 1998	1998	physics: chemical
267.	Kowalski BJ, Golacki Z, Guziewicz E, Orlowski BA, Ghijsen J, Johnson RL.	Resonant photoemission study of rare earth 4f states in AlV1-xRExBVI diluted magnetic semiconductors.	Institute of Physics Conference Series. 152 G : Magnetic Materials, 1998, pp.885-888.	1998	materials
268.	Kowalski BJ, Ghijsen J, Golacki Z, Guziewicz E, Story T, Arciszewska M, Orlowski BA, Johnson RL.	Resonant photoemission study of rare earth 4f states in Sn1-xGdxTe.	Journal of Electron Spectroscopy & Related Phenomena, vol.88-91, 1998, pp.327-331.	1998	spectroscopy
269.	Lawniczak-Jablonska K, Iwanowski RJ.	Role of 3d electrons in formation of ionic-covalent bonds in II-VI-based ternary compounds.	Electron Technology (Warsaw), vol.31, no.2, 1998, pp.162-169.	1998	technology
270.	Kisiel A, Czarnecka-Such E, P.M. Lee, E. Burattini, W. Giriat,	Se and Zn Edges XANES Analysis of ZnSe Ternary Compounds with Transition Metals	Universitatis Jagellonicae, Folia Physica, XXXIX, 123	1998	physics: general

	Lee, E. Burattini, W. Giriat,	(TM): Experimental and Theoretical Studies	(1998).		general
271.	Feldhaus J, Krzywinski J, Saldin EL, Schneider JR, Schneidmiller EA, Yurkov MV	Seeded SASE free-electron lasers as fully coherent VUV and X-ray sources	SPIE-Int. Soc. Opt. Eng. Proceedings of SPIE - the International Society for Optical Engineering, vol.3451, 1998, pp.182-9.	1998	sources instruments
272.	Gierlotka S, Palosz B, Pielaszek R, Stelmakh S, Doyle S, Wroblewski T.	Simultaneous analysis of the small- and wide-angle scattering from nanometric SiC based on the ab initio pattern simulation	Materials Science Forum, vol.278-281, 106-9. (1998)	1998	materials
273.	Ekimov E. , A. Witek, Palosz B, V. Filonenko, A. Gavriiliuk, V. Gryaznov, Gierlotka S, Stelmakh S	Sintering of compacts from nanocrystalline diamonds without sintering agent	Materials Research Society Symposium Proceedings: High-Pressure Mat. Res., 499 , 115 (1998)	1998	materials
274.	Luzny W, Kaniowski T, Pron A	Structural and transport properties of thermally processable conducting polymer: polyaniline protonated with diphenyl phosphate	POLYMER 39 (2): 475-483 JAN 1998	1998	materials
275.	Wierchowski W., K. Wieteska, W. Graeff, M. Pawlowska, E. Nossarzewska-Orlowska, A. Brzozowski	Synchrotron x-ray investigation of porous silicon and silicon epitaxy grown on porous silicon	Universitatis Iagellonicae Folia Physica 1998, p. 91	1998	sources instruments
276.	Wieteska K., W.K. Wierchowski, A. Turos, W. Graeff, R. Grötzschel	Synchrotron x-ray investigations of Al _x Ga _{1-x} As epitaxial layers implanted with Se ions	Universitatis Iagellonicae Folia Physica, 39 1998, p. 83	1998	sources instruments
277.	Iwanowski RJ, Lawniczak-Jablonska K, Golacki Z, Traverse A.	Tetrahedral covalent radii of Mn, Fe, Co and Ni estimated from extended X-ray absorption fine structure studies.	Chemical Physics Letters, vol.283, no.5-6, 1998, pp.313-318.	1998	physics: chemical
278.	Debowska D, A. Holda, Kisiel A, M. Zinnal-Starnawska, M. Piacentini, N. Zema, F. Lama,	The Study of Transition Metal Influence on the Electronic Structure of Zn _{1-x} TM _x S	Universitatis Jagellonicae, Folia Physica, XXXIX, 161 (1998).	1998	physics: general
279.	Krukowski S, Witek A, Adamczyk J, Jun J, Bockowski M, Grzegory I, Lucznik B, Nowak G, Wroblewski M, Presz A, Gierlotka S, Stelmach S, Palosz B, Porowski S, Zinn P.	Thermal properties of indium nitride	Journal of Physics & Chemistry of Solids 59 , 289-295 (1998)	1998	physics & chemistry: solid state
280.	Kowalski BJ, Guziewicz E, K. Kopalko, Orlowski BA, E. Janik, T. Wojtowicz	Valence band density of states and Mn 3d contribution in Sn _{1-x} Mn _x Te	Acta Physica Polonica A 94, 454 (1998).	1998	physics: general
281.	Kowalski BJ, Guziewicz E, K. Kopalko, Orlowski BA, E. Janik, T. Wojtowicz	Valence Band Density of States and Mn3d Contribution in Mn(1-x)Mg(x)Te	Acta Physica Polonica A 94, 401 (1998)	1998	physics: general
282.	Kowalski BJ, Orlowski BA, Ghijsen J	XPS study of CdTe (110) surface oxidation process	Surface Science 412/413, 544-554 (1998)	1998	surface science
283.	Lawniczak-Jablonska K, Suski T, Liliental-Weber Z, Gorczyca I, Christensen NE, Gullikson EM, Underwood JH, Drummond TJ.	X-ray absorption study of the electronic states in GaN polycrystal and epitaxial layers.	Molecular Physics Reports, vol.21, 1998, pp.93-98.	1998	physics: general
284.	Wierchowski W., K. Wieteska, W. Graeff, M. Palowska, E. Nossarzewska-Orlowska, A.	X-ray and scanning electron microscopic investigations of porous silicon and silicon epitaxial layers grown on porous silicon	Electron Technology 31, 213 (1998)	1998	technology

	Brzozowski	epitaxial layers grown on porous silicon			
285.	Wieteska K, Wierzchowski W, Graeff W, Dlużewska KD	X-ray diffraction patterns in high-energy proton implanted silicon	Physica Status Solidi a 168 (1): 11-25 1998	1998	physics: solid state
286.	Wasiak A	X-ray diffraction studies on polypropylene crystallization in non-isothermal conditions	Proceedings 1st ESAFORM Conf. on Material Forming, Sofia Antipolis, April 1998, p. 357-360	1998	technology
287.	Paszkowicz W., W. Szuszkiewicz, Szamota-Sadowska K, J. Domagala, B. Witkowska, M. Marczak, P. Zinn	X-ray diffraction study of sphalerite-cinnabar phase transition in Hg _{1-x} CoxS	Bull. Czech Slovak Crystallogr. Assoc. 5B, 180 (1998)	1998	crystallography
288.	Wolska E, Wolski W, Kaczmarek J	X-ray powder diffraction study on the hydrothermally obtained zinc-manganese ferrites	Materials Science Forum 278-2: 672-677 1998	1998	materials
289.	Datsenko L, Misiuk A, Khrupa V., Bak-Misiuk J., Härtwig J., Domagala J., Surma B.	X-ray studies of the influence of hydrostatic compression on the formation of oxygen clusters in silicon crystals, grown by the Czochralski method, at 1000 K	Metal Physics and Advanced Technologies 17, 521-528, (1998) - translated from Metallofizika i noveishie tekhnologii 19, 5 (1997) 15-20	1998	materials
290.	Zhang L, Stanek J, Hafner SS, et al.	⁵⁷ Fe nuclear forward scattering of synchrotron radiation in hedenbergite CaFeSi ₂ O ₆ hydrostatic pressures up to 68 GPa	American Mineralogist 84 (3): 447-453 MAR 1999	1999	mineralogy
291.	Zhang L, Stanek J, Hafner SS, J. Metge, H. Gruesteudel, F. Ruffer	⁵⁷ Fe nuclear forward scattering of synchrotron radiation in hedenbergite CaFeSi ₂ O ₆ hydrostatic pressures up to 68 GPa (Phase transition in hedenbergite at 68 GPa studied by nuclear forward scattering of synchrotron radiation)	American Mineralogist 84 (3): 447-453 MAR 1999	1999	mineralogy
292.	Kapusta C, PC Riedi, W. Kocemba, G.J. Tomka, M.R. Ibarra, J.M. De Teresa, M. Viret, J.M.D. Coey	A ⁵⁵ Mn nuclear magnetic resonance study of mixed-valence manganites	Journal of Physics-Condensed Matter 11, 4079 (1999)	1999	physics: solid state
293.	Kwiatk WM	Analiza fluorescencyjna	in: „Fizyczne metody badań w biologii, medycynie i ochronie środowiska” Praca zbiorowa pod red. A.Z. Hryniewiczza i E. Rokity, PWN, Warszawa 1999	1999	physics: general
294.	Kuczumow A, Vekemans B, Schalm O, et al.	Analyses of petrified wood by electron, X-ray and optical microprobes	Journal of Analytical Atomic Spectrometry 14 (3): 435-446 MAR 1999	1999	spectroscopy
295.	Sokolowski JA	Analysis of some aspects of synchrotron radiation measurements reported in the inorganic crystal structure database	Journal of Alloys & Compounds 286 (1-2): 219-223 1999	1999	materials
296.	Wichert J, Weber R, Kipp L, et al.	Angle resolved photoemission spectroscopy of GaN (10 $\bar{1}$ 0): Experiment and theory	Physica Status Solidi b 215 (1): 751-755 1999	1999	physics: solid state
297.	Kuczumow A, Vekemans B, Schalm O, et al.	Application of auxiliary signals in X-ray fluorescence and electron microprobe analysis for density evaluation	X-Ray Spectrometry 28 (4): 282-291 JUL-AUG 1999	1999	spectroscopy

		analysis for density evaluation			
298.	Pelka J.B., A. Cedola, S. Lagomarsino, S. Di Fonzo, W. Jark, G. Soullie	Application of resonance-enhanced x-ray propagation effect to the study of layered structures by GIXR and secondary radiation	Journal of Alloys & Compounds 286 (1999) 313-321	1999	materials
299.	Kowalski G, Moore M, Nailer S	Application of x-ray phase-contrast imaging to polycrystalline CVD diamond	Journal of Physics D: Applied Physics 32 (10A): A166-A171 Sp. Iss. SI MAY 21 1999	1999	physics: applied
300.	Appelshauer H, Bachler J, Bailey SJ, et al.	Baryon stopping and charged particle distributions in central Pb+Pb collisions at 158 GeV per nucleon	Physical Review Letters 82 (12): 2471-2475 1999	1999	physics: general
301.	Sayers Z, Brouillon P, Svergun DI, et al.	Biochemical and structural characterization of recombinant copper-metallothionein from <i>Saccharomyces cerevisiae</i>	EUR J BIOCHEM 262 (3): 858-865 JUN 1999	1999	biochemistry
302.	Langridge S, J. A. Paixão, N. Bernhoeft, C. Vettier, G. H. Lander, D. Gibbs, S. Aa. Sørensen, A. Stunault, D. Wermeille, and E. Talik	Changes in 5d band polarization in rare-earth compounds	Physical Review Letters 82, 2187-2190 (1999)	1999	physics: general
303.	Kaczmarek, SM, Wojtowicz AJ, Drozdowski W, Koepke C, Wisniewski K, Kisielewski J, Jablonski R, Grinberg M, Barzowska J, Kuklinski B, Zimmerer G, Moroz Z, Rzewuski H	Changes in optical properties of YAG:Ce single crystals due to codoping and ionizing radiation treatment	Proceedings of SPIE Vol. 3724 (1999), p. 339-345, International Conference on Solid State Crystals '98: Single Crystal Growth, Characterization, and Applications, Andrzej Majchrowski; Jerzy Zielinski; Eds	1999	physics: solid state
304.	Ipe NE, Fasso A, Kase KR, et al.	Characterisation of the low energy X ray response of Polish TLDs to synchrotron radiation and the determination of some TLD quantities	Radiation Protection & Dosimetry 84 (1-4): 169-173 Part 1 1999	1999	environmental sciences
305.	Kaczmarek SM, A. Wojtowicz, W. Drozdowski, C. Koepke, M. Grindberg, J. Kisielewski, R. Jablonski, G. Boulon, G. Zimmerer	Controlling of the charge state in laser crystals	Biuletyn WAT, XL VIII , 105 (1999)	1999	science: general
306.	Katrusiak A, Kowalski A, Kucharczyk D, et al.	Crystal structure of (-)-Delta(16(17))-dehydrolupaninium perchlorate from sealed-tube and synchrotron X-ray diffraction data	Journal of Molecular Structure 474: 245-253 Sp. Iss. SI 1999	1999	crystallography
307.	Tebbe J, Bzowska A, Wielgus-Kutrowska B, et al.	Crystal structure of the purine nucleoside phosphorylase (PNP) from <i>Cellulomonas</i> sp and its implication for the mechanism of trimeric PNPs	Journal of Molecular Biology 294 (5): 1239-1255 DEC 17 1999	1999	biology
308.	Misiuk A, Surma HB, Jun J, et al.	Dependence of photoluminescence of silicon on conditions of pressure-annealing	Journal of Alloys & Compounds 286 (1-2): 258-264 1999	1999	materials
309.	Gregorkiewicz T, Thao DTX, Langer JM	Direct spectral probing of energy storage in Si : Er by a free-electron laser	Applied Physics Letters 75 (26): 4121-4123 1999	1999	physics: applied
310.	Przenioslo R, Sosnowska I, Zoltek M, et al.	Domain size effects in neutron and SR powder diffraction studies of some oxides	Journal of Alloys & Compounds 286 (1-2): 180-183 May 5 1999	1999	materials

311.	Asbrink S, Waskowska A, Krane HG, et al.	Effect of pressure on phase transitions in $K1-xNa_xMnF_3$ ($x = 0.04$)	Journal of Applied Crystallography 32: 174-177 Part 2 APR 1 1999	1999	crystallography
312.	Rantamaki R, Tuomi T, Z.R. Zytewicz, D. Dobosz, P.J. McNally and A.N. Danilewsky	Epitaxial lateral overgrowth of gallium arsenide studied by synchrotron topography	Materials Research Society Symposium Proceedings 570, pp. 181-186 (1999).	1999	materials
313.	Swilem Y, Sobczak E, Nietubyć R, Dlużewski P, Sławska-Waniewska A.	EXAFS analysis of grain boundaries in nanocrystalline $Fe_{85}Zr_{7}B_6Cu_2$ alloys.	Journal of Alloys & Compounds, vol.286, no.1-2,1999, pp.103-107.	1999	materials
314.	Robouch BV, Kisiel A	EXAFS data resolved into individual site occupation preferences in quaternary compounds with tetrahedral coordinated structure	Journal of Alloys & Compounds 1999; 286(1-2): 80-8	1999	materials
315.	Lawniczak-Jablonska K, Libera J, Iwanowski RJ.	EXAFS determination of local atomic structure of selected transition metals in CdSe matrix.	Journal of Alloys & Compounds, 286 1999 89-92.	1999	materials
316.	Sobczak JW, Sobczak E, Lesiak B, Palczewska W, Kosinski A.	EXAFS investigations of Pd-doped conductive polymers.	Journal of Alloys & Compounds, vol.286, no.1-2, 1999, pp.98-102.	1999	materials
317.	Kozak M, E.Jankowska, R.Janowski, Z.Grzonka, A.Grubb, M.Alvarez-Fernandez, M.Abrahamson, Jaskolski M,	Expression of a selenomethionyl derivative and preliminary crystallographic studies of human cystatin C.	Acta Crystallographica D: Biological Crystallography 55, (1999)1939-1942.	1999	crystallography: biological
318.	Pernot-Rejmankova P, Laprus W, Baruchel J	Focusing effect in X-ray diffraction imaging of $LiNbO_3$ crystals under static electric field	European Physical Journal-APPL PHYS 8 (3): 225-232 DEC 1999	1999	physics: applied
319.	Aggarwal MM, Agnihotri A, Ahammed Z, et al.	Freeze-out parameters in central 158A (GeVPb)-Pb-208+Pbcollisions	Physical Review Letters 83 (5): 926-9301999	1999	physics: general
320.	Szuskiewicz W, Skierbiszewski C, Paszkowicz W, Dynowska E, Domagala J, Witkowska B, Truckenbrodt J	$Hg_{1-x}Co_xS$ - high pressure studies	Proceedings XXVIII Int. School on Physics of Semiconducting Compounds, Ustron-Jaszowiec, Poland, June 6-11 1999, (Institute of Physics PAS, 1999), str. 88-90	1999	physics: condensed matter
321.	Palosz B, Gierlotka S, Stel'makh S, Pielaszek R, Zinn P, Winzenick M, Bismayer U, Boysen H	High-pressure high-temperature in situ diffraction studies of nanocrystalline ceramic materials at HASYLAB	Journal of Alloys & Compounds 286 (1-2): 184-194 1999	1999	materials
322.	Asbrink S, Waskowska A, Gerward L, et al.	High-pressure phase transition and properties of spinel $ZnMn_2O_4$	Physical Review B - Condensed Matter 60 (18): 12651-12656 1999	1999	physics: solid state
323.	Paszkowicz W, Szuskiewicz W, Dynowska E., Domagala J.Z., Truckenbrodt J., Skierbiszewski C.	High-pressure study of $Hg_{1-x}TM_xS$ (TM = Mn, Fe, Co)	Synchrotron Radiation Studies of Materials, eds.: M. Lefeld-Sosnowska, J. Gronkowski, (Instytut Fizyki Doświadczalnej Uniwersytetu Warszawskiego, Warszawa, 1999), pp. 191-198. ISBN 83-913171-0-2	1999	sources instruments

324.	Paszkowicz W, Szuszkiewicz W, Dynowska E, Domagala J, Witkowska B, Marczak M, Zinn P.	High-pressure-high-temperature study of Hg _{1-x} Mn _x S.	Journal of Alloys & Compounds, vol.286, no.1-2, 1999, pp.208-212.	1999	materials
325.	Mierzwa B., Kaszukur Z., Morawek B., Pielaszek J.,	In situ EXAFS study of the alloy catalyst Pd-Co(50%/50%)/SiO ₂ ,	Journal of Alloys and Compounds, 286, 93-97(1999)	1999	materials
326.	Broda J, Slusarczyk C, Wlochowicz A	Influence of heat-stabilization on supermolecular structure of colored PP fibers	Journal of APPL POLYM SCI 73 (4): 477-488 JUL 25 1999	1999	materials
327.	Wierzchowski W, Wieteska K, Graeff W, et al.	Interference fringes in plane-wave topography of Al _x Ca _{1-x} As epitaxial layers implanted with Se ions	Journal of Alloys & Compounds 286 (1-2): 343-348 1999	1999	materials
328.	Wieteska K, Wierzchowski W, Graeff W, et al.	Lattice deformation in Al _x Ga _{1-x} As epitaxial layers caused by implantation with high doses of 1 MeV Si ions	Acta Physica Polonica A 96 (2): 289-293 1999	1999	physics: general
329.	Leszczynski M, Prystawko P, Suski T, Lucznik B, Domagala J, Bak-Misiuk J, Stonert A, Turos A, Langer R, Barski A.	Lattice parameters of GaN single crystals, homoepitaxial layers and heteroepitaxial layers on sapphire.	Journal of Alloys & Compounds, vol.286, no.1-2, 1999, pp.271-275.	1999	materials
330.	Lawniczak-Jablonska K, Suski T, Libera J, Kachniarz J, Lagarde P, Grzegory I	Localization of p-type dopants in GaN bulk crystals	Synchrotron Radiation Studies of Materials, eds.: M. Lefeld-Sosnowska, J. Gronkowski, (Instytut Fizyki Doświadczalnej Uniwersytetu Warszawskiego, Warszawa, 1999), pp.101-108	1999	sources instruments
331.	Lawniczak-Jablonska K, T. Suski, J. Kachniarz, P. Lagarde and I. Gregory,	Location of p-type dopants in GaN bulk crystals” ,	Proceedings 5th National Symposium on Synchrotron Radiation, May 1999, Warsaw University, pp 101-108	1999	sources instruments
332.	Dybko K, Szuszkiewicz W, Palacio F, Dynowska E, Paszkowicz W, Witkowska B.	Magnetic properties of zinc-blende Hg _{1-x} Mn _x S.	Journal of Magnetism & Magnetic Materials, vol.192, no.1, 1999, pp.61-66.	1999	materials
333.	Kapusta C, P. Fischer, G. Schutz	Magnetic X-ray absorption spectroscopy	Journal of Alloys & Compounds 286 , 37 (1999)	1999	materials
334.	Lubbers R, Pleines M, Hesse HJ, et al.	Magnetism under high pressure studied by Fe-57 and Eu-151 nuclear scattering of synchrotron radiation	Hyperfine Interactions 121 (1-8): 49-58 1999	1999	surface
335.	Burian A, Dore JC, Fischer HE, V. Honkimaki, J. B. Nagy, T. Kyotani, J. Sloan, A.Szczygielska,	Neutron and high energy X-ray scattering studies of carbon nanotubes,	Proceedings 5th National Symposium of Synchrotron Radiation Users, eds.: M. Lefeld-Sosnowska, J. Gronkowski, Uniwersytet Warszawski, 1999, str. 7-19.	1999	sources instruments
336.	Dobrzynski L	Neutron and x-ray scattering in the studies of metals	Acta Physica Polonica A 96 (2): 165-180 1999	1999	physics: general
337.	Sosnowska IM, Willis BTM	Neutrons and synchrotron X-rays in materials science	Journal of Alloys & Compounds 286 (1-2): 174-179 May 5 1999	1999	materials

338.	Kapusta C, Riedi PC	NMR spectroscopy in mixed valence manganites	Journal of Magnetism & Magnetic Materials, 196-197, 446 (1999)	1999	materials
339.	Kowalski BJ, Guziewicz E, Orłowski BA, A. Cricienti	Optical and Photoemission Study of Surface Electronic States and Surface Oxidation on CdTe(110)	Applied Surface Science 142 (1999) 33-37	1999	surface
340.	Brewczyk M, Rzazewski K	Over-the-barrier ionization of multielectron atoms by intense VUV free-electron laser	Journal of Physics B-AT MOL OPT 32 (1): L1-L4 JAN 14 1999	1999	physics: general
341.	Sosnowska IM, Shiojiri M	Oxides: neutron and synchrotron X-ray diffraction studies	Journal of Electron Microscopy 48 (6): 681-687 1999	1999	crystallography
342.	Szade J, Karla I, Gravel D, et al.	Photoemission investigation of Gd-Cu compounds	Journal of Alloys & Compounds 286 (1-2): 153-157 May 5 1999	1999	materials
343.	Szade J, Neumann M, Karla I, et al.	Photon energy dependence of the Gd 4d photoemission	Solid State Communications 113 (12): 709-712 2000	1999	physics: solid state
344.	Kowalski BJ, Gołacki Z, Guziewicz E, Kozanecki A, Orłowski BA, Ghijssen J, Johnson RL.	Rare earth 4f states in A1-xREx IVB VI diluted magnetic semiconductors.	Journal of Alloys & Compounds, vol.286, no.1-2, 1999, pp.121-127.	1999	materials
345.	Moore M, Golshan M, Kowalski G, et al.	Reciprocal-space mapping of synthetic and natural diamond	Journal of Physics D: Applied Physics 32 (10A): A37-A41 Sp. Iss. SI MAY 21 1999	1999	physics: applied
346.	Kontrym-Sznajd G, Samsel M, West RN	Reconstruction of densities from Compton profiles with applying Jacobi polynomials	Acta Physica Polonica A 95 (4): 591-595 1999	1999	physics: general
347.	Faatz B, Feldhaus J, Krzywinski J, et al.	Regenerative FEL amplifier at the TESLA test facility at DESY	Nuclear Instruments and Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment) 429 (1-3): 424-428 JUN 11 1999	1999	sources instruments
348.	Faatz B, Feldhaus J, Krzywinski J, Saldin EL, Schneidmiller EA, Yurkov MV.	Regenerative FEL amplifier at the TESLA test facility at DESY	Nuclear Instruments & Methods in Physics Research Section A- Accelerators Spectrometers Detectors & Associated Equipment, vol.429, no.1-3, 11 June 1999, pp.424-8	1999	sources instruments
349.	Wasiak A.,	Rentgenograficzne badania nieizotermicznej krystalizacji polipropylenu,	Prace IPPT 12, 1999.	1999	materials
350.	Kowalski BJ, Guziewicz E, Orłowski BA, Gołacki Z, Wojtowicz T, Ghijssen J, Johnson RL	Resonant Photoemission - a Tool For Semiconductor Band Structure Studies	Synchrotron Radiation Studies of Materials, ISBN 83-913171-0-2, Warsaw University Press, 1999, pp.89-100	1999	sources instruments
351.	Di Cicco A, Aquilanti G, Minicucci M, et al.	Short-range interaction in liquid rhodium probed by x-ray absorption spectroscopy	Journal of Physics-Condensed Matter 11 (6): L43-L49 FEB 15 1999	1999	physics: solid state

352.	Robouch BV, Kisiel A	Site occupation preferences in second coordination shells of zinc blende ZnMnSe	Proc. of 5 th National Symposium of Synchrotron Radiation Users, Warsaw 1999, .	1999	sources instruments
353.	Fleck M, A. I. Lichtenstein, A. M. Oleś, and L. Hedin	Spectral and transport properties of doped Mott-Hubbard systems with incommensurate magnetic order	Physical Review B - Condensed Matter 60, 5224-5243 (1999)	1999	physics: condensed matter
354.	Thao DTX, Gregorkiewicz T, Langer JM	Spectroscopic probing of defect-related energy storage in silicon doped with erbium	PHYSICA B 274: 326-329 DEC 1999	1999	physics: general
355.	Domagala J, Leszczynski M, Prystawko P, Suski T, Langer R, Barski A, Bremser M.	Strain relaxation of Al _x Ga _{1-x} N epitaxial layers on GaN and SiC substrates.	Journal of Alloys & Compounds, vol.286, no.1-2, 1999, pp.284-288.	1999	materials
356.	Szczygielska A, A. Burian, J.C. Dore, S. Duber, H.E. Fischer,	Structural studies of graphitising and non-graphitising carbons by neutron and X-ray scattering,	Proceedings 5th National Symposium of Synchrotron Radiation Users, eds.: M. Lefeld-Sosnowska, J. Gronkowski, Uniwersytet Warszawski, 1999, str. 223-234.	1999	sources instruments
357.	Pelka J.B., J. Auleytner, J. Domagala, M. Janik-Czachor, A. Werner	Study of near-surface layers modified by ion implantation in Si wafers by grazing incidence x-ray reflectometry	Journal of Alloys and Compounds 286 (1999) 337-342	1999	materials
358.	Lama F, Debowska D, Felici AC, Kisiel A, Piacentini M, Zema N	Synchrotron radiation photoemission study of Fe 3d electronic states in Cd _{1-x} Fe _x Se and Zn _{1-x} Fe _x Se compounds	Journal of Electron-Spectroscopy and Related Phenomena 1999 104 185-94	1999	spectroscopy
359.	Rantamaki R, Tuomi T, Z.R. Zytkeiwicz, J. Domagala, P.J. McNally and A.N. Danilewsky	Synchrotron x-ray topographic analysis and high-resolution diffraction analysis of mask-induced strain in epitaxial laterally overgrown GaAs layers	Journal of Applied Physics 86, pp. 4298-4303 (1999)	1999	physics: applied
360.	Rantamaki R, Tuomi T, Zytkeiwicz ZR, Domagala J, McNally PJ, Danilewsky AN.	Synchrotron X-ray topographic and high-resolution diffraction analysis of mask-induced strain in epitaxial laterally overgrown GaAs layers.	Journal of Applied Physics, vol.86, no.8, 1999, pp.4298-4303.	1999	physics: applied
361.	Rantamaki R, Tuomi T, Zytkeiwicz ZR, et al.	Synchrotron x-ray topography analysis of GaAs layers grown on GaAs substrates by liquid phase epitaxial lateral overgrowth	Journal of Physics D: Applied Physics 32 (10A): A114-A118 Sp. Iss. SI MAY 21 1999	1999	physics: applied
362.	Arabczyk W, Moszynski D, Narkiewicz U	The comparison of the different adsorption states of non-metals on the iron surface	Vacuum 54 (1-4): 3-7 JUL-SEP 1999	1999	cryst growth
363.	Guziewicz E, Kowalski BJ, Szamota-Sadowska K, Orlowski BA, J. Masšek, Johnson RL	The Influence of the Fe 3d States on the Electronic Band Structure of CdTe/Fe and Bulk Cd _{0.985} Fe _{0.015} Te Crystal	Journal of Alloys and Compounds 286, 137-142 (1999).	1999	materials
364.	Sikora B	The many faces of FOPI from fragment to strangeness detector	ACTA PHYSICA POLONICA B 31 (1): 135-148 JAN 2000	1999	physics: general
365.	Moore M, W. Wierzchowski	The Transmission Double-Crystal Synchrotron Studies of Synthetic Diamond with Haruta Stereo-Pairs Technique	Philosophical Transactions of the Royal Society of London A 357 (1999) 2671-2679.	1999	physics: general

366.	Lawniczak-Jablonska K, J. Kachniarz, Z. Spolnik, J. Libera, E. Dynowska, A.Nadolny, J. Sadowski	The use of Mn L - line chemical effects in X-ray analysis to probe sample homogeneity	Journal of Analytical Atomic Spectrometry 14 (1999), 461.	1999	spectroscopy
367.	Feldhaus J, Krzywinski J, Saldin EL, et al.	The VUV FEL project at DESY: Plans for improving the photon beam characteristics by feedback and seeding	Institute of Physics Conference Series 159: 553-556 1999	1999	physics: general
368.	Oleszkiewicz J, Podgorny M, A. Kisiel, E. Burattini	Theoretical and experimental analysis of the near-edge x-ray absorption structure in MnTe and Cd _{1-x} MnxTe alloys	Physical Review B - Condensed Matter 60, 4920-4927 (1999)	1999	physics: condensed matter
369.	Paszkowicz W, Domagala JZ, Sokolowski J.A, Kamler G., Podsiadlo S., Knapp M.	Thermal expansion of GaN in the temperature range 11 K - 296 K	Synchrotron Radiation Studies of Materials, eds.: M. Lefeld-Sosnowska, J. Gronkowski, (Instytut Fizyki Doświadczalnej Uniwersytetu Warszawskiego, Warszawa, 1999), pp. 183-189. ISBN 83-913171-0-2	1999	sources instruments
370.	Oscarsson H, L. Ilver, J. Kanski, P. O. Nilsson, U. Sodervall, J. Sadowski	Thickness dependent valence band width in InAs layers on GaAs(111)A	Proceedings of the 24th International Conference on the Physics of Semiconductors Jerusalem, Israel (2 - 7 August 1998), World Scientific Publishing, Singapore (1999)	1999	physics: solid state
371.	Wasiak A.,	Time-resolved Diffraction Studies on Non-isothermal Crystallization of Polymers by Means of Synchrotron Radiation, w:	Synchrotron Radiation Studies of Materials, ISBN 83-913171-0-2, Warsaw University Press, 1999, p.235-247.	1999	sources instruments
372.	Orlowski BA, Kowalski BJ, Guziejewicz E, Szamota-Sadowska K,	Tunable ultraviolet source for resonant photoemission spectroscopy	Acta Physica Polonica B 30 (6): 2097-2106 1999	1999	physics: general
373.	Wieteska K, Wierzchowski W, Graeff W	White beam pin-hole patterns of implanted layers	Journal of Alloys & Compounds 286 (1-2): 349-353 1999	1999	materials
374.	Wierzchowski W, Wieteska K, Graeff W, et al.	White beam synchrotron topographic characterisation of silicon wafers directly bonded by oxide layer	Acta Physica Polonica A 96 (2): 283-288 1999	1999	physics: general
375.	Kisiel A, Lee PM, Czarnicka-Such E, et al.	XANES analysis of ZnSe ternary compounds with transition metals (TM): experimental and theoretical LMTO studies	Journal of Alloys & Compounds 284 (1-2): 1-9 Mar 4 1999	1999	materials
376.	Kisiel A, Zajdel P, P.M. Lee, E. Burattini, W. Giriat,	XANES Study of K Edges of Fe, Co, Ni, and Se in Transition Metal Selenides. Experiment and Comparison with LMTO Numerical Calculations	Journal of Alloys & Compounds 286, 61-65, (1999).	1999	materials
377.	Zajdel,-P, Kisiel,-A, Zimnal-Sarnawska,-M, Lee,-P.-M, Boscherini,-F, Giriat,-W.	XANES study of sulphur K edges of transition metal (V,Cr,Mn,Fe,Co,Ni) monosulphides: experiment and LMTO numerical calculations	Journal of Alloys & Compounds 1999; 286(1-2): 66-70	1999	materials
378.	Kisiel A	XAS characterization of semiconductor compounds and some biological systems	Synchrotron radiation Studies of Materials (Warsaw 1999)	1999	sources instruments

			(Warsaw 1999 p 73-88		
379.	Kalinowski R, Baczewski LT, Domagala J, Dynowska E, Pelka JB, Wawro A, Szewczyk A.	X-ray and magnetic study of epitaxial W/Gd/W and W/Tb/W thin films.	Journal of Alloys & Compounds 286,1-2, (1999) 333-336.	1999	materials
380.	Paszkwicz W, Szuszkiewicz W, Szamota-Sadowska K., Domagala J.Z., Witkowska B., Marczak M., Zinn P.	X-ray diffraction study of sphalerite-cinnabar phase transition in $Hg_{0,985}Co_{0,015}S$,	Materials Structure in Chemistry, Biology, Physics and Technology 6 (2), 102-103, (1999)	1999	materials
381.	Wierzchowski W, K. Wieteska,A. Turowski, W. Graeff,R. Grötzschel	X-Ray Studies of $Al_xGa_{1-x}As$ Implanted with 1.5 MeV Se Ions	IEEE Conference Proceedings (SIMC-X) (1999) - s 2831-2836.	1999	physics: materials
382.	Bak-Misiuk J, Misiuk A., J.Trela, Haertwig J., Surma B., Adamczewska J., Domagala J., Jun J., Koska T., Rozental M.	X-ray study of defect creation in high pressure treated Ni-contaminated Cz-Si	Synchrotron Radiation Studies of Materials, eds.: M. Lefeld-Sosnowska, J. Gronkowski, (Instytut Fizyki Doświadczalnej Uniwersytetu Warszawskiego, Warszawa, 1999), pp. 149-156	1999	sources instruments
383.	Carpentier P, Berthet-Colominas C, Capitan M, et al.	Anomalous X-ray diffraction with soft X-ray synchrotron radiation	CELL MOL BIOL 46 (5): 915-935 JUL 2000	2000	biology
384.	Orlowski N, C. Janowitz, R. Manzke, Z. Golacki	Bulk band structure and negative band gap of HgTe by angle-resolved photoemission spectroscopy	Narrow Gap Semiconductors, N. Puhlmann, H.-U. Müller, M. von Ortenberg (eds.), Berlin, 2000, p. 128	2000	physics: solid state
385.	Wieteska K, Wierzchowski W, Graeff W, et al.	Characterization of implanted semiconductors by means of white-beam and plane-wave synchrotron topography	Journal of Synchrotron Radiation 7: 318-325 Part 5 SEP 2000	2000	sources instruments
386.	Mallinson PR, Barr G, Coles SJ, et al.	Charge densities from high-resolution synchrotron X-ray diffraction experiments	Journal of Synchrotron Radiation 7: 160-166 Part 3 MAY 2000	2000	sources instruments
387.	Borek D, Jaskolski M	Crystallization and preliminary crystallographic studies of a new L-asparaginase encoded by the Escherichia coli genome.	Acta Crystallographica D: Biological Crystallography 56, (2000) 1505-1507.	2000	crystallography: biological
388.	Kozak M, Jaskolski M,	Crystallization and preliminary crystallographic studies of a new crystal form of Escherichia coli L-asparaginase II (S58A mutant).	Acta Crystallographica D: Biological Crystallography 56, (2000) 509-511	2000	crystallography: biological
389.	Orlowski N, Augustin J, Golacki Z, Janowitz C, Manzke R.	Direct evidence for the inverted band structure of HgTe.	Physical Review B - Condensed Matter, vol.61, no.8, 2000, pp.R5058-R5061.	2000	physics: condensed matter
390.	Onsgaard J, Hoffmann SV, Godowski PJ, et al.	Dissociation of CO and formation of carbonate on a stepped, K-modified Cu(115) surface	Chemical Physics Letters 322 (3-4): 247-254 2000	2000	physics: chemical
391.	Burian A, Dore JC	Does carbon prefer flat or curved surfaces?	Acta Physica Polonica A, (2000) 98, 457-468.	2000	physics: general

			(2000) 98, 457-468.		general
392.	Gavriliuk A.G., G.N.Stepanov, I.S.L A.S.Stepin, I.A.Troyan, W.A.Sidorov Stelmakh S & M.Winzenick	Effect of high pressures on bulk and surface re in rareearth orthoferrites RFeO3	Journal of Experimental and Physics 90, 330 (2000)	2000	physics: general
393.	Suortti P, Buslaps T, Honkimaki V, Shukla A, Kwiatkowska J, Maniawski F, Kaprzyk S, Bansil A	Electron momentum distribution in Al and Al0.97Li0.03	Journal of Physics & Chemistry of Solids 62 (12): 2223-2231 DEC 2001	2000	physics & chemistry: solid state
394.	Lawniczak-Jablonska K, Suski T, Gorczyca I, Christensen NE, Attenkofer KE, Perera RCC, Gullikson EM, Underwood JH, Ederer DL, Liliental Weber Z.	Electronic states in valence and conduction bands of group-III nitrides: Experiment and theory.	Physical Review B - Condensed Matter, vol.61, no.24, 2000, pp.16623-16632.	2000	physics: solid state
395.	Szamota-Sadowska K, Guziejewicz E, Kowalski BJ, J. Sadowski, Orłowski BA, B. Lesiak-Orłowska, C. Guillot, N. Barrett, Johnson RL	Electronic structure of MBE grown CdYbTe: photoemission studies	Thin Solid Films 367, 193 (2000)	2000	surface science
396.	Szamota-Sadowska K, Guziejewicz E, Kowalski BJ, Sadowski J, Orłowski BA, Lesiak-Orłowska B, Guillot C, Barrett N, Johnson RL	Electronic structure of MBE- grown CdYbTe: Photoemission studies,	Thin Solid Films, 367 (1-2) 193-198 (2000)	2000	surface science
397.	Gregorkiewicz T, Thao DTX, Langer JM, et al.	Energy transfer between shallow centers and rare-earth ion cores: Er ³⁺ ion in silicon	Physical Review B - Condensed Matter 61 (8): 5369-5375 2000	2000	physics: solid state
398.	Kahn R, Carpentier P, Berthet-Colominas C, et al.	Feasibility and review of anomalous X-ray diffraction at long wavelengths in materials research and protein crystallography	Journal of Synchrotron Radiation 7: 131-138 Part 3 MAY 2000	2000	sources instruments
399.	Andruszkow J., B. Aune, V. Ayvazyan, N. Baboi, R. Bakker, V. Balakin, D. Barni, A. Bazhan, M. Bernard, A. Bosotti, J.C. Bourdon, W. Brefeld, R. Brinkmann, S. Buhler, J.-P. Carneiro, M. Castellano, P. Castro, L. Catani, S. Chel, Y. Cho, S. Choroba, E.R. Colby, W. Decking, P. Den Hartog, M. Desmons, M. Dohlus, D. Edwards, H.T. Edwards, B. Faatz, J. Feldhaus, M. Ferrario, M.J. Fitch, K. Flttmann, M. Fouaidy, A. Gamp, T. Garvey, M. Geitz, E. Gluskin, V. Gretchko, U. Hahn, W.H. Hartung, D. Hubert, M. Hening, R. Ischebek, M. Jablonka, J.M. Joly, M. Juillard, T. Junquera, P. Jurkiewicz, M. Krfer, L. Kravchuk, G. Kreps, J. Krzywinski, T. Lokajczyk, R. Lange, B. Leblond, M. Leenen, J. Lesrel, M. Liepe, A. Liero, T. Limberg, R. Lorenz, Lu HuiHua, Lu Fu Hai, C.Magne, M.Malov, G. Materlik, A.Matheisen, J.Menzel, P. Michelato, W.-D. Mller, A. Mosnier, U.-C. Mller, O. Napoly, A. Novokhatski, M. Omeich, H.S. Padamsee, C. Pagani, F. Peters, B. Petersen, P. Pierini, J. Pfl ger, P. Piot, B. Phung Ngoc, L.	First observation of self-amplified spontaneous emission in a free-electron laser at 109 nm wavelength	Physical Review Letters, 85, 3825, (2000)	2000	physics: general

	Plucinski, D. Proch, K. Rehlich, S. Reiche, D. Reschke, I. Reyzl, J. Rosenzweig, J. Rossbach, S. Roth, E.L. Saldin, W. Sandner, Z. Sanok, H. Schlarb, G. Schmidt, P. Schmser, J.R. Schneider, E.A. Schneidmiller, H.-J. Schreiber, S. Schreiber, P. Sch tt, J.Sekutowicz, L. Serafini, D. Sertore, S. Setzer, S. Simrock, B. Sonntag, B. Sparr, F. Stephan, V.A. Sytchev, S. Tazzari, F. Tazzioli, M. Tigner, M. Timm, M. Tonutti, E. Trakhtenberg, R. Treusch, D. Trines, V. Verzilov, T. Vielitz, V. Vogel, G.v. Walter, R. Wanzenberg, T. Weiland, H. Weise, J. Weisend, M. Wendt, M. Werner, M.M. White, I. Will, K. Wittenburg, S. Wolff, M.V. Yurkov, K. Zapfe, P. Zhogolev, F. Zhou				
400.	Ekimov EA, Gavriluk AG, Palosz B, Gierlotka S, Dluzewski P, Tatianin E, Kluev Yu, Naletov AM, Presz A.	High-pressure, high-temperature synthesis of SiC-diamond nanocrystalline ceramics.	Applied Physics Letters, vol.77, no.7, 14 2000, pp.954-956.	2000	physics: applied
401.	Ohata T, M. Itou, I. Matsumoto, Y. Sakurai, H. Kawata, N. Shiotani, S. Kaprzyk, P. E. Mijnaerends, and A. Bansil	High-resolution Compton scattering study of the electron momentum density in Al	Physical Review B - Condensed Matter 62, 16528-16535 (2000)	2000	physics: condensed matter
402.	Broda J, Wlochowicz A	Influence of pigments on super-molecular structure of polypropylene fibres	EUR POLYM J 36 (6): 1283-1297 JUN 2000	2000	materials
403.	Gajda M, Krzywinski J, Plucinski L, Piraux B.	Interaction of a hydrogen atom with an intense pulse of vacuum ultraviolet radiation	Journal of Physics B: Atomic Molecular & Optical Physics,33, 6, 2000, 1271-1277.	2000	physics: general
404.	Kuczumow A, Chevallier P, Dillmann P, Wajnberg P, Rudas M	Investigation of petrified wood by synchrotron X-ray fluorescence and diffraction methods	Spectrochimica Acta Part B: Atomic Spectroscopy, Volume 55, Number 10, 2 October 2000, pp. 1623-1633(11)	2000	spectroscopy
405.	Patkowski A, Thurn-Albrecht T, Banachowicz E,W. Steffen, P. Bösecke, T. Narayanan, and E. W. Fischer	Long-range density fluctuations in orthoterphenyl as studied by means of ultrasmall-angle x-ray scattering	Physical Review E 61 (6): 6909-6913 Part B 2000	2000	physics: general
406.	Barsov S, Bechstedt U, Borchert G, et al.	Measurement of subthreshold K+ production in pA collisions with ANKE	Acta Physica Polonica B 31 (10-11): 2159-2165 OCT-NOV 2000	2000	physics: general
407.	Paixao JA, M. R. Silva, S. Aa. Sørensen, B. Lebech, G. H. Lander, P. J. Brown, S. Langridge, E. Talik, A. P. Gonçalves	Neutron-scattering study of the magnetic structure of DyFe ₄ Al ₈ and HoFe ₄ Al ₈	Physical Review B - Condensed Matter 61, 6176-6188 (2000)	2000	physics: condensed matter
408.	Zakowicz W	New concept of waveguide for inverse free electron laser accelerator	Nuclear Instruments and Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment) 445 (1-3): 313-316 MAY 1	2000	sources instruments

			2000		
409.	Erman P, Karawajczyk A, Rachlew-Kallne E, et al.	Non Franck-Condon effects in photoionization of molecular oxygen	PHYSICA SCRIPTA 62 (4): 294-300 OCT 2000	2000	physics: general
410.	Wierzchowski W, Wieteska K, Graeff W	Numerical simulation of Bragg-case section topographic images of dislocations in silicon	Journal of Physics D: Applied Physics 33 (10): 1230-1238 MAY 21 2000	2000	physics: applied
411.	Schoenes J, Barkow U, Broschwitz M, P. M. Oppeneer, D. Kaczorowski, A. Czopnik	Optical properties of itinerant UGa3: Ellipsometric measurements and first-principles theory	Physical Review B - Condensed Matter 61 (11): 7415-7420 2000	2000	physics: solid state
412.	Bala J, A. M. Oleś, J. Zaanen	Origin of band and localized electron states in photoemission of NiO	Physical Review B - Condensed Matter 61, 13573-13587 (2000)	2000	physics: condensed matter
413.	Kowalski BJ, Orlowski BA, Ghijsen J,	Oxide Formation on the CdTe(111)A(1x1) Surface	Applied Surface Science 166 (2000) 237-241	2000	surface
414.	Guziewicz E, Szamota-Sadowska K, Kowalski BJ, Orlowski BA, Ghijsen J, Johnson RL	Photoemission study of Gd atoms on CdTe(100) surface	Applied Surface Science, 166 (2000) 231-236	2000	surface
415.	Kozak M, Jaskolski M, K.H.Rohm	Preliminary crystallographic studies of Y25F mutant of periplasmic Escherichia coli asparaginase.	Acta Biochimica Polonica 47, 2000 807-814.	2000	chemistry: biological
416.	Mroz W., Prokopiuk A., Kozlov B., Czujko T., Jozwiak S., Krzywinski J., Stockli M.P	Quantitative measurements of the chemical composition of unprepared samples, using a reflectron mass analyzer with a microchannelplate detector assembly	Review of Scientific Instruments, vol.71, no.3, March 2000, pp.1425-8	2000	sources instruments
417.	Szczygielska A, A. Jabłońska, A. Burian, J.C. Dore, J.B. Nagy, V. Honkimaki,	Radial distribution function analysis of carbon nanotubes,	Acta Physica Polonica A, (2000) 98, 611-617.	2000	physics: general
418.	Drozdowski W, Wojtowicz AJ	Radiative recombination in BaF2 : Pr	Journal of Alloys & Compounds 300: 261-266 2000	2000	materials
419.	Wojtowicz AJ, Szupryczynski P, Drozdowski W	Radiative recombination in Ce-, Pr-, and Tb-doped barium fluoride	Journal of Alloys & Compounds 300: 199-206 2000	2000	materials
420.	Wojtowicz AJ, P. Szupryczynski, J. Glodo, W. Drozdowski, D. Wisniewski	Radioluminescence and recombination processes in BaF2 :Ce	Journal of Physics-Condensed Matter 12 , 4097 (2000)	2000	physics: solid state
421.	Szuskiewicz W, Dynowska E.,Górecka J., Witkowska B., Fleszar A., Prieur J.Y., Joffin J.	Selected elastic properties of mercury chalcogenides	Proceedings of the 9th International Conference on"Narrow Gap Semiconductors", Humboldt University, Berlin World Scientific(2000)pp.183-185	2000	materials
422.	Szuskiewicz W	Selected properties of zinc blende mercury chalcogenides	Physics of Semiconductor Devices, V. Kumar , S.K. Agarwal (eds.), Allied Publishers Ltd., New Delhi 2000, pp.43-50	2000	physics: solid state
423.	Paszkwicz W, Szuskiewicz W, Domagala J, Dynowska E,	Sphalerite-cinnabar phase transition in Hg _{1-x} Fe _x S	Materials Science Forum 321-324 (2000) 893-897	2000	materials

	Witkowska B, Marczak M, Zinn P	$x\text{Fe}_x\text{S}$	321-324 (2000) 893-897		
424.	Zukowski E, Andrejczuk A, Dobrzynski L, et al.	Spin-dependent electron momentum density in Fe ₃ Si and Fe ₃ Al	Journal of Physics-Condensed Matter 12 (32): 7229-7241 AUG 14 2000	2000	physics: solid state
425.	Sadowski J, Domagala JZ, Bak-Misiuk J, Kolesnik S, Sawicki M, Swiatek K, Kanski J, Ilver L, Strom V.	Structural and magnetic properties of molecular beam epitaxy grown GaMnAs layers.	Journal of Vacuum Science & Technology B, vol.18, no.3, 2000, pp.1697-1700.	2000	cryst growth
426.	Bonarski JT, Zehetbauer M, Swiatek Z, et al.	Structural disturbances of near-surface areas in silicon solar cell modified by P+ ion implantation and thermal treatment	Opto-Electronics Review 8 (4): 323-327 DEC 2000	2000	opto
427.	Sadowski J, Domagala JZ, Bak-Misiuk J, Kolesnik S, Swiatek K, Kanski J, Ilver L.	Structural properties of MBE grown GaMnAs layers.	Thin Solid Films, vol.367, no.1-2, 2000, pp.165-167.	2000	surface science
428.	Dore JC, A. Burian, S. Tomita	Structural studies of carbon nanotubes and related materials by neutron and X-ray scattering,	Acta Physica Polonica A, (2000) 98, 495-504.	2000	physics: general
429.	Aune B, R. Bandelmann, D. Bloess, B. Bonin, A. Bosotti, M. Champion, C. Crawford, G. Deppe, B. Dwersteg, D. A. Edwards, H. T. Edwards, M. Ferrario, M. Fouaidy, P.-D. Gall, A. Gamp, A. Gössel, J. Graber, D. Hubert, M. Hüning, M. Juillard, T. Junquera, H. Kaiser, G. Kreps, M. Kuchnir, R. Lange, M. Leenen, M. Liepe, L. Lilje, A. Matheisen, W.-D. Möller, A. Mosnier, H. Padamsee, C. Pagani, M. Pekeler, H.-B. Peters, O. Peters, D. Proch, K. Rehlich, D. Reschke, H. Safa, T. Schilcher, P. Schmüser, J. Sekutowicz, S. Simrock, W. Singer, M. Tigner, D. Trines, K. Twarowski, G. Weichert, J. Weisend, J. Wojtkiewicz, S. Wolff, K. Zapfe	Superconducting TESLA cavities	Physical Review ST Accelerators Beams 3, 092001 (2000)	2000	sources, instruments
430.	Wasiak A	Synchrotron Radiation Studies on Non - Isothermal Crystallization of l-polypropylene	X-ray Investigations of Polymer Structures, A. Wlochowicz (ed.), A Wlochowicz, ProceedingS of SPIE Vol.4240, s. 41-46, 2000.	2000	physics: condensed matter
431.	Robouch BV, Kisiel A	Ternary elemental zinc blende tetrahedra size, shapes, preferences as deduced from EXAFS observations	Uzhhorod University Scientific Herald, Series Physics, Issue 8, Part 1 (2000).	2000	physics: solid state
432.	Vasylechko L, Akselrud L, Morgenroth W, et al.	The crystal structure of NdGaO ₃ at 100 K and 293 K based on synchrotron data	Journal of Alloys & Compounds 297 (1-2): 46-52 2000	2000	materials
433.	Sokolowski J, Kotarba A	The structure of potassium aluminium oxide KAIO ₂	Materials Science Forum 321-3: 954-959 Part 1&2 2000	2000	materials

434.	Glodo J., A.J. Wojtowicz	Thermoluminescence and scintillation properties of LuAP and YAP	Journal of Alloys & Compounds 300-301 , 289 (2000)	2000	materials
435.	Gregorkiewicz T, Thao DTX, Langer JM, et al.	Tracking recombination processes in Si : Er with a free-electron laser	Journal of Luminescence 87-9: 96-100 2000	2000	optics
436.	Wisniewski D	VUV excited emission pulse shapes of LuAlO ₃ : Ce	Journal of Alloys & Compounds 300: 483-487 2000	2000	materials
437.	Bacewicz R, A.Wolska, J.Filipowicz and Lawniczak-Jablonska K,	XANES Study of CuInSe ₂ and In-rich Phases in Cu-In-Se System",	Jpn. J. Appl. Phys. Vol. 39 Supp. 39-1, pp. 413-414, 2000.	2000	physics: applied
438.	Bacewicz R, Wolska A, Lawniczak-Jablonska K, Sainctavit P.	X-ray absorption near-edge structure of CuInSe ₂ crystals.	Journal of Physics-Condensed Matter,12, 7371-7379, 2000.	2000	physics: condensed matter
439.	Jaskolski M	3D domain swapping, protein oligomerization, and amyloid formation	Acta Biochimica Polonica 48 (4): 807-827 2001	2001	chemistry: biological
440.	Gierlotka S, A.Grzegorzcyk, Palosz B, E.Grzegorzcyk, P.Biczcyk, and U.Bismayer	Aluminium Nitride compressibility and thermal expansion under pressure	Material Science Forum Vols.378-381, 529-533 (2001)	2001	materials
441.	Paluszkiewicz C, Kwiatek WM	Analysis of human cancer prostate tissues using FTIR microspectroscopy and SRIXE techniques	Journal of Molecular Structure 565: 329-334 Sp. Iss. SI 2001	2001	crystallography
442.	Kuczumow A, Vekemans B, Schalm O, et al.	Analysis of speleothems by electron and X-ray microprobes	Journal of Analytical Atomic Spectrometry 16 (1): 90-95 JAN 2001	2001	spectroscopy
443.	Carpentier P, Capitan M, Chesne ML, et al.	Anomalous diffraction with soft X-ray synchrotron radiation: DANES from pentakismethylammonium undecachlorodibismuthate at the K absorption edge of chlorine	Journal of Alloys & Compounds 328 (1-2): 64-70 2001	2001	materials
444.	Nietubyc R, Sobczak E, Pelka JB, Mackowski S, Janik E, Karczewski G, Goerigk G.	Anomalous small angle X-ray scattering study of CdTe quantum dots in ZnTe.	Journal of Alloys & Compounds, vol.328, 2001, pp.206-210.	2001	materials
445.	Sobczak E, Nietubyc R, Pelka J.B., Maczkowki S., Janik E., Karczewski G., Goerigk G.	Anomalous small angle X-ray scattering study of self-assembled quantum dots	Applied Crystallography, World Scientific, Singapore 2001, pp. 112-	2001	crystallography
446.	Wieteska K, Wierzchowski W, Graeff W, et al.	Application of Bragg-case section topography for strain profile determination in A(III)B(V) implanted semiconductors	Journal of Physics D: Applied Physics 34 (10A): A122-A127 Sp. Iss. SI MAY 21 2001	2001	physics: applied
447.	Palosz B, Stelmakh S, Grzanka E, Gierlotka S, U.Bismayer, S.Werner & W.Palosz	Application of high pressure diffraction techniques for examination of structural properties of nanocrystals	Ed. A.K.Bandyopadhyay, D.Varandani & Krishnan Lal, "Advances in High Pressure Science and Technology", Proceedings of the International Conference on High Pressure Science and Technology, New Delhi, India, 27-30 November 2001, str. 262-267.	2001	high pressure

448.	Kowalski BJ, Iwanowski RJ, K. Kopalko, Orłowski BA, J. Sadowski, J. Kanski, L. Plucinski, R.L.Johnson, I. Grzegory, S. Porowski,	Azotek galu - nowy rozdział w badaniach powierzchniowej struktury półprzewodników"	Elektronika 8, 923 (2001)	2001	technology
449.	Ciosek J, P. Pankowski, J.B. Pelka, W. Paszkowicz, L.T. Baczewski	Badania warstw HfO ₂ metodą AFM i metodami rentgenowskimi	Elektronika 8-9/2001, str. 60-62	2001	technology
450.	Ciosek J, P. Pankowski, W. Paszkowicz, J.B. Pelka, J. Marczak, R. Ostrowski, L.T. Baczewski	Badanie wybranych warstw optycznych metodą AFM i metodami komplementarnymi	Inżynieria Materiałowa nr 6, (listopad-grudzień 2001).	2001	technology
451.	Luic M, Koellner G, Shugar D, et al.	Calf spleen purine nucleoside phosphorylase: structure of its ternary complex with an N(7)-acycloguanosine inhibitor and a phosphate anion	Acta Crystallographica D: Biological Crystallography 57: 30-36 2001	2001	crystallography: biological
452.	Pelka JB, Paszkowicz W, Dłuzewski P, Brust M, Kiely CJ, Knapp M, Czerwos E.	Characterisation of thin films containing Au and Pd nanoparticles by grazing-incidence X-ray diffraction and related methods.	Journal of Alloys & Compounds, vol.328, 2001, pp.248-252.	2001	materials
453.	Fiedorowicz H, Bartnik A, Jarocki R, Kostecki J, Krzywinski J, Rakowski R, Szczurek M	Characterization and optimization of a laser-produced X-ray source with a double-stream gas puff target.	Proceedings of Spie - the International Society for Optical Engineering, vol.4504, 2001, pp.69-76.	2001	physics: solid state
454.	Glodo J, Wojtowicz AJ	Charge traps and emission kinetics in LuAP:Ce	Proceedings of SPIE -- Volume 4412, International Conference on Solid State Crystals 2000: Growth, Characterization, and Applications of Single Crystals, Antoni Rogalski, Krzysztof Adamiac, Pawel Madejczyk, Editors, August 2001, pp. 216-220	2001	physics: solid state
455.	Orłowski BA, Kowalski BJ, Guziejewicz E, Szamota-Sadowska K, N. Barrett, C. Guillot, Johnson RL, Ghijsen J	Clean and doped surface electronic structure in angle-resolved and resonant photoemission study	Progress in Surface Science 67 (2001) 323-338.	2001	surface
456.	Bech L, Onsgaard J, Hoffmann SV, et al.	CO dissociation on K-modified Cu(112) and Cu(117)	Surface Science 482: 243-249 Part 1 JUN 20 2001	2001	surface science
457.	Iwanowski RJ	Comment on the covalent radius of Mn (to the papers Chem. Phys. Lett. 283, 313 (1998) and Chem. Phys. Lett. 336, 226 (2001))	Chemical Physics Letters, 350, 577 (2001)	2001	physics: chemical
458.	Aleksiyko R, Berkowski M, Byszewski P, et al.	Common features of gallium perovskites	Crystal Research & Technology 36 (8-10): 789-800 2001	2001	crystal growth
459.	Powell CJ, Jablonski A	Comparisons of calculated and measured effective attenuation lengths for silicon dioxide over a wide electron energy range	Surface Science 488 (1-2): L547-L552 AUG 1 2001	2001	surface science
460.	Muziol T, Cody V, Luft JR, Pangborn W, Wojtczak A.	Complex of rat transthyretin with tetraiodothyroacetic acid refined at 2.1 and 1.8 Å resolution.	Acta Biochimica Polonica 48(4):877-84, 2001.	2001	chemistry: biological

461.	Korecki P, G. Materlik, J. Korecki	Complex x-ray hologram: solution of twin images problem in atomic resolution imaging	Physical Review Letters 86 , 1534 (2001)	2001	physics: general
462.	Wegrzynek D	Computer microtomography using a laboratory x-ray fluorescence microbeam spectrometer - A feasibility study	X-Ray Spectrometry 30 (6): 413-418 NOV-DEC 2001	2001	spectroscopy
463.	Robouch BV, Kisiel A and E. M. Sheregii	Consideration of the Verleur model of far-infrared spectroscopy of ternary compounds	Physical Review B - Condensed Matter. 64, 073204 (2001).	2001	physics: general
464.	Waskowska A, Gerward L, Olsen JS, et al.	CuMn2O4: properties and the high-pressure induced Jahn-Teller phase transition	Journal of Physics-Condensed Matter 13 (11): 2549-2562 MAR 19 2001	2001	physics: solid state
465.	Grigoriev H, Bernstorff S, Wolinska-Grabczyk A, Domagala J, Chmielewski AG	Depth-influenced structure through permeating polymer membrane using SAXS synchrotron method	Journal of Membrane Science, vol.186: (2001) 1-8	2001	biology
466.	Faatz B, Fateev AA, Feldhaus J, Floettmann K, Tschentscher T, Krzywinski J, Pflueger J, Rossbach J, Saldin EL, Schniedmiller EA, Yurkov MV.	Development of a facility for probing the structural dynamics of materials with femtosecond X-ray pulses	AIP Conference Proceedings, no.581, 2001, pp.162-168. (American Institute of Physics)	2001	physics: general
467.	Faatz B, Fateev AA, Feldhaus J, Krzywinski J, Pflueger J, Rossbach J, Saldin EL, Schneidmiller EA, Yurkov MV	Development of a pump-probe facility combining a far-infrared source with laser-like characteristics and a VUV free electron laser	Nuclear Instruments and Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment) 475 (1-3): 363-367 DEC 21 2001	2001	sources instruments
468.	Faatz B, Fateev AA, Feldhaus J, et al.	Development of a pump-probe facility with sub-picosecond time resolution combining a high-power ultraviolet regenerative FEL amplifier and a soft X-ray SASE FEL	Nuclear Instruments and Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment) 475 (1-3): 368-372 DEC 21 2001	2001	sources instruments
469.	Palosz B, Gierlotka S, Grzanka E, K.Akimow, Pielaszek R, P.Biczuk, A.Grzegorzczak, Stelmakh S, U.Bismayer and J.F.Janik	Distribution of Strain in GaN and SiC Nanocrystals Under Extreme Pressures	Material Science Forum 378-381, 735-740 (2001)	2001	materials
470.	Misiuk A, A. Barcz, V. Raineri, J. Ratajczak, J. Bak-Misiuk, I.V. Antonova, W. Wierzchowski, K. Wieteska	Effect of stress on accumulation of oxygen in silicon implanted with helium and hydrogen	Physica B 308 (2001) 317-320	2001	physics: general
471.	Bellin C, Dobrzynski L, Kouba H, et al.	Electron momentum density distribution in cobalt disilicide: Analysis by the maximum entropy method	Zeitschrift fur Physikalische Chemie 215: 1367-1387 Part 11 2001	2001	chemistry
472.	Wojtowicz AJ, P. Szupryczynski, D. Wisniewski, J. Glodo, W. Drozdowski	Electron traps and scintillation mechanism in LuAlO3:Ce	Journal of Physics-Condensed Matter 13 , 9599 (2001)	2001	physics: solid state
473.	Konior J, Oleszkiewicz J, Kisiel A, Czarnicka-Such E, Burattini E, Mycielski A	Electronic properties of CdSe and Cd1-xFexSe wurtzite compounds: XANES measurements and analysis	Journal of Alloys & Compounds 2001; 328: 143-8	2001	materials

474.	Zalecki R, Kolodziejczyk A, Kapusta C, et al.	Electronic states of La _{1-x} CaxMnO ₃ from photoelectron spectroscopy	Journal of Alloys & Compounds 328 (1-2): 175-180 2001	2001	materials
475.	Wojtowicz AJ, Mares JA	Energy transfer processes in (Lu,Gd)AlO ₃ :Ce	Proceedings of SPIE -- Volume 4412, A. Rogalski, K. Adamiec, P. Madejczyk (eds) August 2001, pp. 221-225	2001	physics: solid state
476.	Wruck D, K. Lorenz, R. Vianden, B. Reinhold, H.-E. Mahnke, J.M. Baranowski, K. Pakula, L. Parthier, F. Henneberger	Extended x-ray absorption fine structure and photoluminescence study of Er-implanted GaN films	Semiconductor Science & Technology 16 , L77 (2001)	2001	physics: solid state
477.	Cholewa M, Dillon C, Lay P, et al.	High resolution nuclear and X-ray microprobes and their applications in single cell analysis	Nuclear Instruments and Methods in Physics Research, Section B (Beam Interactions with Materials and Atoms) 181: 715-722 JUL 2001	2001	sources instruments
478.	Janowski R, Kozak M, E.Jankowska, Z.Grzonka, A.Grubb, M.Abrahamson, Jaskolski M	Human cystatin C, an amyloidogenic protein, dimerizes through three-dimensional domain swapping.	Nature Structural Biology 8, 2001 316-320	2001	biology
479.	Prudnikov A, Misiuk A, Hartwig J, Efros B, Bak-Misiuk J.	Influence of oxygen dopants in silicon on pressure induced phase transitions	Fizika i Tehnika Vysokich Davlenij 11, 1 (2001) 117-121.	2001	physics: solid state
480.	Brewczyk M, Rzazewski K	Interaction of a multi-electron atom with intense radiation in the VUV range: beyond the conventional model for high harmonic generation	Journal of Physics B-AT MOL OPT 34 (9): L289-L296 MAY 14 2001	2001	physics: general
481.	Efros BM, Shishkova NV, Prudnikov A, Misiuk A, Bak-Misiuk J, Härtwig J.	Investigation of system Si-O (SiO _x) behavior in DAC at submegabar pressure	Proceedings of SPIE Vol.4412, pp.120-125. (SPIE, Washington 2001) Vol.4412, pp.110-115. (SPIE, Washington 2001) ed. A.Rogalski, K.Adamiec, P.Madejczyk.	2001	cryst growth
482.	Bauer J, Plucinski L, Piraux B, Potvliege R, Gajda M, Krzywinski J.	Ionization of hydrogen atoms by intense vacuum ultraviolet radiation.	Journal of Physics B: Atomic Molecular & Optical Physics, vol.34, no.11, 2001, pp.2245-2254.	2001	physics: general
483.	Paszkwicz W, Knapp M, Domagala JZ, Kamler G, Podsiadlo S.	Low-temperature thermal expansion of Mg ₃ N ₂ .	Journal of Alloys & Compounds, vol.328, 2001, pp.272-275.	2001	materials
484.	Shastri SD, Maser JM, Lai B, et al.	Microfocusing of 50 keV undulator radiation with two stacked zone plates	Optical Communications 197 (1-3): 9-14 SEP 15 2001	2001	optics
485.	Kuczumow A, Chevallier P, Ro CU, et al.	Microspectrometric investigation of petrified wood from south-eastern Poland	MIKROCHIMICA ACTA 137 (3-4): 173-183 2001	2001	chemistry
486.	Misiuk A, Surma HB, Bak-Misiuk J, Lopez M, Romano-Rodriguez A, Hartwig J.	Microstructure of Czochralski silicon annealed at enhanced stress conditions.	Journal of Alloys & Compounds, vol.328,2001, pp.90-96.	2001	materials

487.	Kowalski BJ, Orlowski BA, Janik E, Johnson RL	Mn 3d derived contribution to the valence band of MBE grown cubic MnTe	Journal of Alloys & Compounds 328 (1-2): 149-155 2001	2001	materials
488. FN	Iwanowski RJ, Paszkowicz W, Lawniczak-Jablonska K, Heinonen MH, Witkowska B, Feldhaus J.	Mn-Te bond in the rocksalt $\text{Sn}_{1-x}\text{Mn}_x\text{Te}$ alloys and octahedral radius of Mn: X-ray absorption- and diffraction study	Chemical Physics Letters, 336 (2001) 226-233.	2001	physics: chemical
489.	Skrzypek SJ, Baczmanski A, Ratuszek W, et al.	New approach to stress analysis based on grazing-incidence X-ray diffraction	Journal of Applied Crystallography 34: 427-435 Part 4 AUG 2001	2001	crystallography
490.	Riu JRI, Karawajczyk A, Stankiewicz M, et al.	Non Franck-Condon effects in the photoionization of molecular nitrogen to the $\text{N-2}(+) \text{A } (2)\text{Pi}(u)$ state in the 19-34 eV photon energy region	Chemical Physics Letters 338 (4-6): 285-290 2001	2001	physics: chemical
491.	Sokolska I, Kuck S	Observation of photon cascade emission in the Pr^{3+} -doped perovskite KMgF_3	Chemical Physics 270 (2): 355-362 AUG 1 2001	2001	physics: chemical
492.	Janowitz C, Orlowski N, Manzke R, Golacki Z.	On the band structure of HgTe and HgSe-view from photoemission.	Journal of Alloys & Compounds, vol.328, 2001, pp.84-89.	2001	materials
493.	Ruf T, Serrano J, Cardona M, Pavone P, Pabst M, Krisch M, D'Astuto M, Suski T, Grzegory I, Leszczynski M	Phonon dispersion curves in wurtzite-structure GaN determined by inelastic x-ray scattering	Physical Review Letters 86 (5): 906-909 JAN 29 2001	2001	physics: general
494.	Kowalski BJ, Plucinski L, Kopalko K, Iwanowski RJ, Orlowski BA, Johnson RL, Grzegory I, Porowski S.	Photoemission studies on GaN(0001) surfaces.	Surface Science 482-485 (2001)740-745	2001	surface science
495.	Guziewicz E, Kowalski BJ, Orlowski BA, Johnson RL	Photoemission study of Sm/CdTe interface formation	Surface Science 482-485 (2001) 512-518	2001	surface science
496.	Mirabella F, Ghijsen J, Johnson RL, Golacki Z, Orlowski BA.	Photoemission study of $\text{Sn}_{1-x}\text{Mn}_x\text{Se}_2$.	Journal of Alloys & Compounds, vol.328, 2001, pp.166-170.	2001	materials
497.	Lawniczak-Jablonska K, Iwanowski RJ, Demchenko IN, Boettcher T, Einfeldt S, Hommel D, Cortes R, Perera RCC.	Polarization dependent X-ray absorption studies of the chemical bonds anisotropy in wurtzite GaN grown at different conditions.	Journal of Alloys & Compounds, vol.328, 2001, pp.77-83.	2001	materials
498.	Luzny W, Samuelsen EJ, Breiby DW	Polyaniline thin films - structural anisotropy study by use of synchrotron radiation surface diffraction	SYNTHETIC METALS 119 (1-3): 203-204 Sp. Iss. SI MAR 15 2001	2001	materials
499.	Morin B., Fischer M., Szuszkiewicz W., Dynowska E., Paszkowicz W., Domagala J., Lathe C., Fleszar A., Gross E.K.U.	Pressure dependence of HgSe elastic properties: ultrasound propagation, X-ray diffraction measurements and ab initio calculations	Institute of Pure and Applied Physics (IPAP) Conf. Series 2 (2001), 86-88	2001	physics: condensed matter
500.	Sadowski J, Mathieu R, Svedlindh P, Karlsteen M, Kanski J, Ilver L, Asklund H, Swiatek K, Domagala JZ, Bak-Misiuk J, Maude D.	Properties of GaMnAs layers grown by migration enhanced epitaxy at very low substrate temperatures.	Physica E, vol.10, no.1-3, 2001, pp.181-185.	2001	physics: general
501.	Jaskolski M, A.Addlagatta	Protein Structure Dissected at Ultra High Resolution	Methods in Macromolecular Crystallography (NATO Science Series I : Life and Behavioural Sciences, Volume 325)- L.Johnson	2001	crystallography

			eds. IOS Press (Amsterdam ; Washington, DC) 2001, pp. 156-172		
502.	Grochowski J, Serda P	Quick identification of monoterpene derivative epimers using calculated and experimental synchrotron radiation	Molecular and Physiological Aspects of Regulatory Processes of the Organism, H. Lach (ed.), ISBN 83-7271-108-9, 2001, pp. 122-1232	2001	biology
503.	Vasylechko L, Niewa R, Borrmann H, et al.	R-3c-Pbnm phase transition of La _{1-x} Sm _x GaO ₃ (0 < x < 0.3) perovskites and crystal structures of the orthorhombic and trigonal phases	SOLID STATE IONICS 143 (2): 219-227 JUN 2001	2001	chemistry: solid state
504.	Szczygielska A, A. Burian, S. Duber, J.C. Dore, V. Honkimaki,	Radial distribution function analysis of graphitization process in carbon materials,	Journal of Alloys & Compounds (2001) 328, 231-236.	2001	materials
505.	Wiśniewska M., Wojtowicz A.J., Łukasiewicz Tadeusz, Frukacz Zygmunt, Gałazka Zbigniew, Malinowski M.	Radio- and VUV -excited liminescence of YAP:Ce, YAP:Pr and YAG:Pr.	Proceedings of SPIE 2001 Vol.4412, pp. 351-356	2001	physics: solid state
506.	Onsgaard J, Bech L, Svensgaard C, et al.	Reactions on alkali-modified low-index stepped copper surfaces	PROG SURF SCI 67 (1-8): 205-216 MAY-AUG 2001	2001	surface
507.	Korecki P, G. Materlik	Real-space imaging of atomic structure with white x-rays	Physical Review Letters 86, 2333 (2001)	2001	physics: general
508.	Hatherly PA, Fisher BO, Collins DJ, et al.	Recent advances and techniques in synchrotron radiation based molecular physics	Journal of Alloys & Compounds 328 (1-2): 20-26 2001	2001	materials
509.	Tanaka Y, Y. Sakurai, A. T. Stewart, N. Shiotani, P. E. Mijnarends, S. Kaprzyk, and A. Bansil	Reconstructed three-dimensional electron momentum density in lithium: A Compton scattering study	Physical Review B - Condensed Matter 63, 045120 (2001)	2001	physics: condensed matter
510.	Mannix D, Stunault A, Bernhoeft N, L. Paolasini, GH Lander, C Vettier, F de Bergevin, D Kaczorowski, A. Czopnik	Resonant enhancements at nonmagnetic ions: New possibilities for magnetic x-ray scattering	Physical Review Letters 86 (18): 4128-4131 2001	2001	physics: general
511.	Vasylechko L, Savytskii D, Matkovski A, et al.	Room and high temperature structure of La _{1-x} Nd _x GaO ₃ (x=0.27 and 0.37) perovskites determined by synchrotron powder X-ray diffraction	Journal of Alloys & Compounds 328 (1-2): 264-271 2001	2001	materials
512.	Persson P, Lunell S, Szoke A, et al.	Shake-up and shake-off excitations with associated electron losses in X-ray studies of proteins	Protein Science 10 (12): 2480-2484 DEC 2001	2001	biology
513.	Murphy BM, Collins SP, Golshan M, et al.	SRS station 16.3: high-resolution applications	Nuclear Instruments and Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment) 467: 1014-1018 Part 2 JUL 21 2001	2001	sources instruments
514.	Andreeva MA, Semenov VG, Haggstrom L, et al.	Standing wave effects in nuclear resonance Bragg reflectivity: Comparison of the energy	Hyperfine Interactions 136 (3): 687-693 2001	2001	surface

	Haggstrom L, et al.	and time scales and first experimental results	(3): 687-693 2001		
515.	Zytewicz ZR	Strain in epitaxial laterally overgrown structures	Opto-Electronics Review 9 (2): 142-149 JUN 2001	2001	opto
516.	Bak-Misiuk J, Antonova IV, Misiuk A, Domagala J, Popov VP, Obodnikov VI, Hartwig J, Romano-Rodriguez A, Bachrouri A.	Strain in hydrogen and oxygen implanted silicon and SOI structures annealed at high pressure.	Journal of Alloys & Compounds, vol.328, 2001, pp.181-186.	2001	materials
517.	Sadowski J, Mathieu R, Svedlindh P, Domagala JZ, Bak-Misiuk J, Swiatek K, Karlsteen M, Kanski J, Ilver L, Asklund H, Sodervall U.	Structural and magnetic properties of GaMnAs layers with high Mn-content grown by migration-enhanced epitaxy on GaAs(100) substrates.	Applied Physics Letters, vol.78, no.21, 2001, pp.3271-3273.	2001	physics: applied
518.	Pelka JB, Paszkowicz W, Dluzewski P, Dynowska E, Wawro A, Baczewski LT, Kozlowski M, Wisniewski A, Seeck O, Messoloras S, Gamari-Seale H.	Structural and magnetic study of Co/Gd multilayers deposited on Si and Si-N substrates. I	Journal of Physics D- Applied Physics, vol.34, no.10A, 2001, pp.A208-A213.	2001	physics: applied
519.	Pelka JB, Paszkowicz W, Wawro A, Baczewski LT, Seeck O.	Structural study of Co/Gd multilayers by X-ray diffraction and GIXR.	Journal of Alloys & Compounds, vol.328, 2001, pp.253-258.	2001	materials
520.	Grigoriev H, Chmielewski AG, Amenitsch H	Structural temperature transformation of the cellulose-water system using time-resolved SAXS	POLYMER 42 (1): 103-108 JAN 2001	2001	materials
521.	Jaskolski M, Kozak M, J.Lubkowski, G.Palm, A.Wlodawer	Structures of two highly homologous bacterial L-asparaginases: a case of enantiomorphic space groups.	Acta Crystallographica D: Biological Crystallography 57, 2001 369-377	2001	crystallography: biological
522.	Wasiak A	Studies of kinetics of nonisothermal crystallization of i-polypropylene by wide-angle and small-angle scattering of X-ray synchrotron radiation	JOURNAL OF MACROMOLECULAR SCIENCE-PHYSICS B40 (3-4): 577-590 2001	2001	physics
523.	Palosz B, Grzanka E, Gierlotka S, Stelmakh S, Pielaszek R, U. Bismayer, J. Neuefeind, J.F. Janik	Surface strain in nanocrystalline GaN and SiC: x-ray diffraction study	Zeitschrift fur Kristallographie Suppl., 18, 181 (2001)	2001	crystallography
524.	Wierzchowski W, Wieteska K, Turos A, et al.	Synchrotron investigation of strain profiles in the implanted semiconductors	Vacuum 63 (4): 767-773 AUG 16 2001	2001	cryst growth
525.	Wieteska K, Wierzchowski W, Graeff W, et al.	Synchrotron studies of implanted InxGa1-xAs	Journal of Alloys & Compounds 328 (1-2): 193-198 2001	2001	materials
526.	Adamiak DA, Rypniewski WR, Milecki J, Adamiak RW.	The 1.19 angstrom X-ray structure of 2'-O-Me(CGCGCG)(2) duplex shows dehydrated RNA with 2-methyl-2,4-pentanediol in the minor groove	Nucleic Acids Research 29 (20): 4144-4153 OCT 15 2001	2001	chemistry: biological
527.	Godowski PJ, Onsgaard J, Hoffmann SV, et al.	The coadsorption of hydrogen and carbon dioxide versus adsorption of formic acid on Cs-dosed Cu(110)	Vacuum 63 (1-2): 257-266 Sp. Iss. SI JUL 2 2001	2001	cryst growth
528.	Askund H, L. Ilver, J. Kanski, S. Mankefors, U. Sodervall, J. Sadowski	Thickness-dependent valence-band photoemission from thin InAs and GaAs films	Physical Review B - Condensed Matter 63 195314 (2001)	2001	physics: solid state
529.	Wasiak A	Time Dependent Effects in Structure Formation During Polymer Processing,	Proc. 4-th ESAFORM Conference Univ. of Liege,	2001	technology

		Formation During Polymer Processing,	2001, s. 693-696.		
530.	Kwiatek WM, Kubica B, Paluszkiwicz C, et al.	Trace element analysis by means of synchrotron radiation, XRF, and PIXE: selection of sample preparation procedure	Journal of Alloys & Compounds 328 (1-2): 283-288 2001	2001	materials
531.	Banas A, Kwiatek WM, Zajac W	Trace element analysis of tissue section by means of synchrotron radiation: the use of GNUPLLOT for SRIXE spectra analysis	Journal of Alloys & Compounds 328 (1-2): 135-138 2001	2001	materials
532.	Guziewicz E, Kowalski BJ, Masek J, Orłowski BA, Johnson RL	Transition metal 3d states in HgSe-based diluted magnetic semiconductors	Journal of Alloys & Compounds 328 (1-2): 119-125 2001	2001	materials
533.	Matsumoto I, J. Kwiatkowska, F. Maniawski, M. Ito, H. Kawata, N. Shiotani, S. Kaprzyk, P.E. Mijndarends, B. Barbiellini, A. Bansil	Two-dimensional folding technique for enhancing Fermi surface signatures in the momentum density: Application to Compton scattering data from an Al-3 at. % Li disordered alloy	Physical Review B - Condensed Matter 64, 045121 (2001)	2001	physics: condensed matter
534.	Addlagatta A. Krzywda S. Czapinska H. Otlewski J. Jaskolski M.	Ultrahigh-resolution structure of a BPTI mutant.	Acta Crystallographica D: Biological Crystallography 57(Pt 5):649-663, 2001	2001	crystallography: biological
535.	Guziewicz E, Kowalski BJ, J. Mašek, Orłowski BA, Johnson RL "Transition "Metal 3d States in HgSe-based Diluted Magnetic Semiconductors"	V International School and Symposium on Synchrotron Radiation in Natural Science, Ustroń- Jaszowiec, June 12-17, 2000, poster,	Journal of Alloys and Compounds 328 (2001) 119-125.	2001	materials
536.	Wasiak A	Wide angle X-ray scattering studies of transient effects in non-isothermal crystallization of i-polypropylene	POLYMER 42 (21): 9025-9030 OCT 2001	2001	materials
537.	Kwiatek WM, Galka M, Hanson AL, et al.	XANES as a tool for iron oxidation state determination in tissues	Journal of Alloys & Compounds 328 (1-2): 276-282 2001	2001	materials
538.	Sobczak JW, Sobczak E, Kosinski A, Bilinski A.	XANES investigations of Pd-doped polyaniline.	Journal of Alloys & Compounds, vol.328, 2001, pp.132-134.	2001	materials
539.	Sikora M, Cz. Kapusta, D. Zajac, W. Tokarz, K. Attenkofer, P. Fischer, E. Goering, G. Schütz	X-MCD study of mixed valence manganites	Journal of Alloys & Compounds, 328, 100 (2001)	2001	materials
540.	Nietubyc R, Sobczak E, Attenkofer KE.	X-ray absorption fine structure study of manganese compounds.	Journal of Alloys & Compounds, vol.328, 2001, pp.126-131.	2001	materials
541.	Wolska A, Bacewicz R, Filipowicz J, Attenkofer K	X-ray absorption near-edge structure of selenium in the Cu-In-Se system	Journal of Physics-Condensed Matter 13 (20): 4457-4470 MAY 21 2001	2001	physics: solid state
542.	Sobczak E, Swilem Y, Dorozhkin NN, Nietubyc R, Dluzewski P, Slawska-Waniewska A.	X-ray absorption studies of Fe-based nanocrystalline alloys.	Journal of Alloys & Compounds, vol.328, 2001, pp.57-63.	2001	materials
543.	Kozak M, Jurga S	A comparison between the crystal and solution structures of Escherichia coli asparaginase II	Acta Biochimica Polonica 49 (2): 509-513 2002	2002	chemistry: biological
544.	Ayvazyan V, Baboi N., Bohnet I., Brinkmann R., Castellano M.,	A new powerful source for coherent VUV radiation: Demonstration of exponential	European Physical Journal D, vol.20(1), 2002, pp. 149-	2002	physics: general

	Castro P., Catani L., Choroba S., Cianchi A., Dohlus M., Edwards H., Faatz B., Fateev A.A., Feldhaus J., Floettmann K., Gamp A., Garvey T., Genz H., Gerth C., Krzywiński J., et al	growth and saturation at the TTF free-electron laser	156,		general
545.	Juha L, Prag A., Krasa A., Cejnarova A., Kralikova B., Skala J., Chvostova D., Vorlicek V., Krzywiński J., Andrejczuk A., Jurek M., Klinger D., Sobierajski R., Fiedorowicz H., Bartnik A., Pina L., Kravarik J., Kubeš P., Bakshaev Y., Chernenko A.,	Ablation of organic polymers and elemental solids induced by intense XUV/EUV radiation	AIP Conference Proceedings, vol.641 (1), 2002, pp. 504-509 (American Institute of Physics)	2002	physics: general
546.	Lagomarsino S, A. Cedola, S. Di Fonzo, W. Jark, V. Mocella, J.B. Pelka, C. Riekel;	Advances in microdiffraction with x-ray waveguide	Crystal Research & Technology. 37 (2002) pp. 758-769	2002	crystal growth
547.	Faatz B, Fateev AA, Feldhaus J, Gerth C, Hahn U, Jastrow U, Krzywinski J, Lebedev NI, Lewellen J, Malkinski L, Meschkat M, Petrov VA, Rossbach J, Rukoyatkina TV, Saldin EL, Schneidmiller EA, Schreiber S, Sedykh SN, Shvetsov VS, Sobierajski R, Sytchev KP, Tarasov VV, Tiedtke K, Treusch R, Yurkov M	Alignment of the optical feedback system of VUV regenerative FEL amplifier at the TESLA test facility at DESY	Nuclear Instruments and Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment), vol.483, 2002, pp. 412-417	2002	sources instruments
548.	Palosz B, Grzanka E, Gierlotka S, Stelmakh S, Pielaszek R, U. Bismayer, J. Neuefeind, H.-P. Weber, Th. Proffen, R. Von Dreele, & W. Palosz	Analysis of short and long range atomic order in nanocrystalline diamonds with application of powder diffractometry	Zeitschrift für Kristallographie Vol.217, 497-509 (2002).	2002	crystallography
549.	Lawniczak-Jablonska K, Suski T., Gorczyca I., Christensen N.E., Libera J., Kachniarz J., Lagarde P., Cortes R., Grzegory I.,	Anisotropy of atomic bonds formed by p-type dopants in bulk GaN crystals	Applied Physics A (Materials Science Processing), vol.75, 2002, pp. 577-583,	2002	applied physics: materials
550.	Palosz B	Application of powder diffraction methods to the atomic structure of nanocrystals: theory experiment; I. The capabilities and limitations of conventional powder diffractometry: the concept High pressure studies of nanocrystalline materials	Mechanics of Advanced Materials (Lecture Notes 4): Proceedings AMAS Course - MAM-2001, Ed.Z.Mróz, Center of Excellence for Advanced Materials and Structures, Warsaw 2002 pp. 235-306.	2002	materials
551.	Burian A, Jablonska A, A.M. Burian, D. LeBollloch, H. Metzger, O. Proux, J.L. Hazemann, A. Mosset, D. Raoux,	Application of third generation synchrotron source to studies of non-crystalline materials: In-Se amorphous films,	Acta Physica Polonica A, (2002) 101, 701-708.	2002	physics: general
552.	Thaimattam R, E.Tykariska, A.Bierzynski, G.M.Sheldrick, Jaskolski M	Atomic resolution structure of squash trypsin inhibitor: unexpected metal coordination.	Acta Crystallographica D: Biological Crystallography 58, 2002 1448-1461	2002	crystallography: biological
553.	Morgenstern M, Wiebe J, Wachowiak A, Getzlaff M, Klijn J,	Co on p-InAs(110): An island-induced two-dimensional electron system consisting of	Physical Review B - Condensed Matter 65 (15):	2002	physics: solid state

	Plucinski L, Johnson RL, Wiesendanger R	electron droplets	Art. No. 155325 2002		state
554.	Vasylechko L, A. Matkovskii, D. Savytskii, M. Berkowski, U. Bismayer, I. Solskii, F. Walrafen	Crystal and domain structure of rare-earth gallates and aluminates	Bull. Lviv Polytechn. Nat. Univ. Electr. 2002/2003	2002	science: general
555.	Hilgeroth A, E.Tykariska, Jaskolski M	Crystal structure of a novel synthetic inhibitor of HIV-1 protease.	Journal of Mol. Struct. 605, 2002 63-70.	2002	biology
556.	Vasylechko L, S. Fadiev, N. Red'ko, M. Berkowski	Crystal structure of SmGaO ₃ and Nd _{1-x} RE _x GaO ₃ (RE=Pr, Sm) solid solutions	Bull. Lviv Polytechn. Nat. Univ. Electr., 455 , 21 (2002)	2002	science: general
557.	Biesiadka J, Bujacz G, M.M.Sikorski, Jaskolski M	Crystal structures of two homologous pathogenesis-related proteins from yellow lupine.	Journal of Molecular Biology 319, 2002 1223-1234	2002	biology
558.	Janowski R, Bujacz G, Gerlach D, Jaskolski M	Crystallization and preliminary crystallographic studies of Streptococcus pyogenes cysteine protease precursor.	Acta Crystallographica D: Biological Crystallography 58, 2002 723-726	2002	crystallography: biological
559.	Kozak M, D.Borek, R.Janowski, Jaskolski M	Crystallization of D90E mutant of Escherichia coli L-asparaginase II in five crystal forms.	Acta Crystallographica D: Biological Crystallography 58, 2002 130-132.	2002	crystallography: biological
560.	Burian A, Szczygielska A, J. Koloczek, J.C. Dore, V. Honkimaki, S. Duber,	Curved surfaces in disordered carbons by high energy X-ray scattering,	Acta Physica Polonica A, (2002) 101, 751-759.	2002	physics: general
561.	Chen WM, McNally PJ, Jacobs K, et al.	Determination of crystal misorientation in epitaxial lateral overgrowth of GaN	Journal of Crystal Growth 243 (1): 94-102 AUG 2002	2002	crystal growth
562.	Hejny V, Bacelar J, Chernyshev V, et al.	Development of a compact photon detector for ANKE at Cosy	Nuclear Instruments and Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment) 486 (1-2): 126-130 JUN 21 2002	2002	sources instruments
563.	Brefeld W, Faatz B., Feldhaus J., Korfer M., Krzywiński J., Moller T., Pflueger J., Rossbach J., Saldin E., Schneidmiller E., Schreiber J., Yurkov M.,	Development of a femtosecond soft X-ray SASE FEL at DESY	Nuclear Instruments and Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment), vol.483, 2002, pp. 75-79	2002	sources instruments
564.	Tomita S, A. Burian, J.C. Dore, D. LeBolloch, M. Fujii, S. Hayashi,	Diamond nanoparticles to carbon onions transformation: X-ray diffraction studies,	Carbon (2002) 40, 1469-1474.	2002	materials
565.	Palosz B, Grzanka E, Gierlotka S, Stelmach S, P. Pielaszek, U. Bismayer, J. Neuefeind, H.-P. Weber, W. Palosz	Diffraction studies of nanocrystals: theory and experiment	Acta Physica Polonica A 102 , 57 (2002)	2002	physics: general
566.	Kukk E, Riu JRI, Stankiewicz M, P. A. Hatherly, P. Erman, E. Rachlew, P. Winiarczyk, M. Huttula, S. Aksela	Dissociation of deuteromethane following carbon 1s core ionization	Physical Review A 66 (1): Art. No. 012704 2002	2002	physics: general
567.	Barla A, Sanchez JP, Ni B, Doyle BP, P. Vulliet, O. Leupold, R. Ruffer, D. Kaczorowski, J. Plessel,	Effect of pressure on the magnetic properties of U(In _{1-x} Sn _x) ₃ : Moment suppression in U(In _{0.6} Sn _{0.4}) ₃	Physical Review B - Condensed Matter 66 (9): Art. No. 094425 2002	2002	physics: solid state

	and M. M. Abd-Elmeguid	U(In _{0.6} Sn _{0.4}) ₃	Art. No. 094425 2002		state
568.	Plucinski L, Strasser T, Kowalski BJ, Rossnagel K, Boetcher T, Einfeldt S, Hommel D, Grzegory I, Porowski S, Orlowski BA, Schattke W, Johnson RL	Electronic band structure of gallium nitride: a comparative angle-resolved photoemission study of single crystals and thin films	Surface Science 507-510C 223-228 2002	2002	surface science
569.	Raboud PA, Berset M, Dousse JC, Y.-P. Maillard, O. Mauron, J. Hoszowska, M. Polasik, and J. Rzakiewicz	Energy-dependent KL double photoexcitation of argon	Physical Review A 65 (6): Art. No. 062503 2002	2002	physics: general
570.	Sladeczek M, Sepiol B, Kaisermayr M, Korecki J, Handke B, Thies H, Leupold O, Ruffer R, Vogl G	Enhanced iron self-diffusion in the near-surface region investigated by nuclear resonant scattering	Surface Science 507: 124-128 2002	2002	surface science
571.	Ryba-Romanowski W, S. Golab, G. Dominiak-Dzik, P. Solarz	Eu ³⁺ luminescence and Gd ³⁺ - Eu ³⁺ energy transfer in K ₅ Li ₂ GdF ₁₀ :Eu ³⁺	Applied Physics A (Materials Science Processing) 74 , 581 (2002)	2002	physics: applied
572.	Lewandowska R, Bacewicz R, Filipowicz J	EXAFS study of in-rich phases in Cu-In-Se system	Crystal Research & Technology 37 (2-3): 235-241 2002	2002	crystal growth
573.	Drozdowski W, A.J. Wojtowicz	Fast 20 ns 5d-4f luminescence and radiation trapping in BaF ₂ Ce	Nuclear Instruments and Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment) 486 , 412 (2002)	2002	sources instruments
574.	Sadowski J., Mathieu R., Svedlindh P., Karlsteen M., Kanski J., Fu Y., Domagala J.Z., Szuszkiewicz W., Hennion B., Maude D.K., Airey R., Hill G.,	Ferromagnetic GaMnAs/GaAs superlattice-MBE growth and magnetic properties	Thin Solid Films, vol.412, 2002, pp. 122-128,	2002	surface science
575.	Grzanka E, Palosz B, Gierlotka S, Pielaszek R, Bismayer U, Janik JF, Wells JR, Palosz W, Porsch F,	Generation and relaxation of microstrains in GaN nanocrystals under extreme pressures	Acta Physica Polonica A 102 174 (2002)	2002	physics: general
576.	Ayvazyan V., Baboi N., Bohnet I., Brinkmann R., Castellano M., Castro P., Catani L., Choroba S., Cianchi A., Dohlus M., Edwards H., Faatz B., Fateev A.A., Feldhaus J., Floettmann K., Gamp A., Garvey T., Genz H., Gerth C., Krzywiński J., et al.	Generation of GW radiation pulses from a VUV free-electron laser operating in the femtosecond regime	Physical Review Letters, 88 (10), 2002, 104802,	2002	physics: general
577.	Brefeld W, Faatz B, Feldhaus J, Korfer M, Krzywinski J, Moller T, Pflueger J, Rossbach J, Saldin EL, Schneidmiller EA, Schreiber S, Yurkov MV.	Generation of high power femtosecond pulses by a sideband-seeded X-ray FEL	Nuclear Instruments and Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment), vol.483, 2002, pp. 62-69	2002	sources instruments
578.	Kuck S, Sokolska I	High energetic transitions in Pr ³⁺ -doped polycrystalline LiCaAlF ₆ and LiSrAlF ₆	Journal of Electrochemical Society 149 (2): J27-J30 FEB 2002	2002	chemistry

579.	Paszkwicz W.,	High-pressure powder X-ray diffraction at the turn of the century	Nuclear Instruments and Methods in Physics Research, Section B (Beam Interactions with Materials and Atoms), vol.198, 2002, pp. 142-182,	2002	sources instruments
580.	Rupprecht K, Friedmann T, Giefers H., Wortmann G, Doyle B, Zukrowski J	High-pressure/high-temperature NFS study of magnetism in LuFe ₂ and ScFe ₂	HIGH PRESSURE RESEARCH 22 (1): 189-194 Sp. Iss. SI APR 2002	2002	physics: general
581.	Patrykiewicz A, Sokolowski S, Binder K	Incommensurate phases in adsorbed monolayers: structure and energy of domain walls	Surface Science 512 (1-2): 1-15 JUN 20 2002	2002	surface science
582.	Pielaszek R, Gierlotka S, Grzanka E, Stelmach S, Palosz B,	Influence of high pressure on the polytype structure of nanocrystalline GaN	Defect and Diffusion Forum, Vol.208-209, 201-208 (2002) .	2002	physics: solid state
583.	Campbell L, L. Hedin, J.J. Rehr, W. Bardyszewski	Interference between extrinsic and intrinsic losses in x-ray absorption fine structure	Physical Review B - Condensed Matter 65, 064107 (2002)	2002	physics: condensed matter
584.	Wieteska K, Wierzchowski W, Graeff W, et al.	Interference fringes in the plane wave topographic images of growth bands in Si : Ge	Acta Physica Polonica A 101 (5): 729-734 2002	2002	physics: general
585.	Wierzchowski W, Wieteska K, Graeff W, et al.	Investigation of lattice strains in layered structures containing porous silicon	Acta Physica Polonica A 102 (2): 283-288 2002	2002	physics: general
586.	Szade J, Skorek G, Neumann M, et al.	Investigation of resonant photoemission from GdCu ₂ and Gd ₅ Si ₄	Surface Science 497 (1-3): 29-36 JAN 20 2002	2002	surface science
587.	Szade J, Skorek G, Neumann M, Schneider B, Fangmeyer F, Matteucci M, Paolucci G, Goldoni A	Investigation of resonant photoemission from GdCu ₂ and Gd ₅ Si ₄	Surface Science 2002, 497 1-3, 29-37	2002	surface science
588.	Grigoriev H, Wolinska-Grabczyk A, Plusa M, Bernstorff S	Kinetics of the structural changes in polyurethanes saturated with benzene during the desorption process	JOURNAL OF MATERIALS SCIENCE LETTERS 21 (15): 1179-1182 AUG 1 2002	2002	materials
589.	Paszkwicz W., Pelka J., Knapp M., Szyszko T., Podsiadlo S.,	Lattice parameters and anisotropic thermal expansion of hexagonal boron nitride in the 10-297.5 K temperature range	Applied Physics A (Materials Science Processing) 75 (3), 2002, pp. 431-435,	2002	physics: applied
590.	Paszkwicz W., Knapp M., Podsiadlo S., Kamler G., Pelka J.,	Lattice parameters of aluminium nitride in the range 10-291 K	Acta Physica Polonica A vol.101 (5), 2002, pp. 781-785,	2002	physics: general
591.	Wisniewska M, D. Wisniewski, A.J. Wojtowicz, S. Tavernier, T. Lukaszewicz, Z. Frukacz, Z. Galazka, M. Malinowski	Luminescence and Scintillation Properties of YAG:Pr	Transactions of Nuclear Science 49 , 926 (2002)	2002	sources instruments
592.	Wisniewski D, S. Tavernier, A.J. Wojtowicz, M. Wisniewska, P. Bruyndonckx, P. Dorenbos, E. van Loef, C.W.E. van Eijk, L.A. Boatner	LuPO ₃ Nd and YPO ₃ Nd - new promising VUV scintillation materials	Nuclear Instruments and Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment) 486 , 239 (2002)	2002	sources instruments

593.	Sadowski J., Mathieu R., Svedlindh P., Kanski J., Karlsteen M., Świątek K., Domagala J.Z.,	Magnetic properties of short period InGaMnAs/InGaAs superlattices	Acta Physica Polonica A vol.102 (4-5), 2002, pp. 687-694	2002	physics: general
594.	Pelka JB, S. Lagomarsino	Metrological applications of x-ray waveguide thin film structures in x-ray reflectometry and diffraction	Acta Physica Polonica A102 (2002) 307-312	2002	physics: general
595.	Zychor I	Monte Carlo simulations for ANKE experiments	Acta Physica Polonica B 33 (1): 521-526 JAN 2002	2002	physics: general
596.	Janicki J	Nanostructure and thermal behaviour of isotactic polypropylene	FIBRES & TEXTILES IN EASTERN EUROPE 10 (1): 62-65 JAN-MAR 2002	2002	materials
597.	Janicki J	Nanostructure and thermal behaviour of liquid crystalline oligoester	Acta Physica Polonica A 101 (5): 761-766 2002	2002	physics: general
598.	Janicki J	Nanostruktura i właściwości termiczne wybranych materiałów polimerowych: rozprawa habilitacyjna	Bielsko-Biała : Wydaw. Akademii Techniczno-Humanistyczne	2002	materials
599.	Ruiz JA, Erman P, Rachlew-Kallne E, et al.	Neutral dissociation of superexcited states in carbon monoxide	Journal of Physics B-AT MOL OPT 35 (13): 2975-2983 JUL 14 2002	2002	physics: general
600.	Rius i Riu J, Alvarez J, Karawajczyk A, Stankiewicz M, Winiarczyk P, Veseth L	Non-Franck-Condon effects in the photoionization of N-2 to the N-2(+) A (2)Pi(u) state and of O-2 to the O-2(+) X (2)Pi(g) state in the 19-34 eV photon energy region	Surface Review & Letters 9 (1): 147-152 FEB 2002	2002	surface science
601.	Kuck S, Sokolska I	Observation of photon cascade emission in Pr (3+)-doped LuF3 and BaMgF4	Chemical Physics Letters 364 (3-4): 273-278 2002	2002	physics: chemical
602.	Przenioslo R, Sosnowska I, Suard E, et al.	Phase coexistence in the charge ordering transition in CaMn7O12	Journal of Physics-Condensed Matter 14 (23): 5747-5753 JUN 17 2002	2002	physics: solid state
603.	Asklund H, L. Ilver, J. Kanski, J. Sadowski, R. Mathieu	Photoemission studies of Ga1-xMnxAs: Mn concentration dependent properties	Physical Review B - Condensed Matter 66, 115319 (2002)	2002	physics: solid state
604.	Asklund H, L. Ilver, J. Kanski, J. Sadowski, and M. Karlsteen	Photoemission study of GaAs(100) grown at low temperature	Physical Review B - Condensed Matter 65, 115335 (2002)	2002	physics: solid state
605.	Orlowski BA, Guziewicz E, E. Nossarzewska-Orlowska, A. Bukowski, Johnson RL	Photoemission study of Gd doped clean Si(111) surface"	Surface Science, 507-510 (2002) 218-222.	2002	surface science
606.	Orlowski BA, Guziewicz E, Nossarzewska-Orlowska E, et al.	Photoemission study of Gd on clean Si(111) surface	Surface Science 507: 218-222 JUN 1 2002	2002	surface science
607.	Guziewicz E, Orlowski BA, Kowalski BJ, I. Grzegory, S. Porowski	Photoemission study of samarium on GaN(0001) and CdTe(100)"	Applied Surface Science 190 (2002) 356-360.	2002	surface
608.	Garbarczyk J, Paukszta D, Borysiak S	Polymorphism of isotactic polypropylene in presence of additives, in blends and in composites	JOURNAL OF MACROMOLECULAR SCIENCE-PHYSICS B41 (4-6): 1267-1278 2002	2002	physics: general
609.	Kozłowski M, Marciak-Kozłowska J	Possible thermal waves generation by femtosecond TESLA free electron laser (FEL)	LASER ENG 12 (2): 95-101 2002	2002	sources instruments

		femtosecond TESLA free electron laser (FEL)	2002		instruments
610.	Kwiatk WM. Drewniak T. Gajda M. Galka M. Hanson AL. Cichocki T	Preliminary study on the distribution of selected elements in cancerous and non-cancerous kidney tissues	Journal of Trace Elements in Medicine & Biology. 16(3):155-160, 2002.	2002	medicine
611.	Wojtowicz AJ	Rare-earth-activated wide bandgap materials for scintillators	Nuclear Instruments and Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment) 486 , 201 (2002)	2002	sources instruments
612.	Stankiewicz M, Winiarczyk P, Rius i Riu J, Alvarez J, Erman P, Karawajczyk A, Rachlew E, Kuk E, Huttula M, Hatherly P	Selective fragmentation of valence- and core-electron-excited CD4 and SF6 molecules.	Surface Review & Letters, 2002, 9, 1, 117-124	2002	surface science
613.	Grigoriew H, Wolinska-Grabczyk A, Bernstorff S	Solvent-influenced mesostructures in polyurethane-based membranes of different transport parameters using SAXS synchrotron method	Journal of Materials Science Letters 21 (2): 113-116 JAN 15 2002	2002	materials
614.	Robouch BV, Kisiel A, J. Konior	Statistical model for atomic distances and site in zinc-blende diluted magnetic semiconductor	Journal of Alloys & Compounds (2002)	2002	materials
615.	Robouch BV, Kisiel A, J. Konior	Statistical model for site occupation preferences and shapes of elemental tetrahedra in zinc-blende semiconductors GaInAs, GaAsP, CdZnTe	Journal of Alloys & Compounds 339, 1 (2002)	2002	materials
616.	Lochynski S, B. Frackowiak, T. Librowski, R. Czarnecki, J. Grochowski, P. Serda, M. Pasenkiewicz-Gierula	Stereochemistry of terpene derivatives Part 3: Hydrolytic kinetic resolution as a convenient approach to chiral aminohydroxyiminocaranes with local anaesthetic activity	Umschau, 13 , 873 (2002)	2002	chemistry
617.	Barciszewska MZ. Rapp G. Betzel C. Erdmann VA. Barciszewski J.	Structural changes of tRNA and 5S rRNA induced with magnesium and visualized with synchrotron mediated hydroxyl radical cleavage	Molecular Biology Reports. 28(2):103-10, 2001	2002	biology
618.	Grochowski J, Serda P, Pasenkiewicz-Gierula M, et al.	Structural characterization of carane derivative stereoisomers - Potent local anesthetics	Acta Physica Polonica A 101 (2002) 665-674 2002	2002	physics: general
619.	Dore JC, A. Burian, T. Kyotani, V. Honkimaki,	Structural studies of oriented carbon nanotubes,	European Synchrotron Radiation Facility, Highlights 2001, January 2002, chapter Chemistry, pp. 23-24	2002	sources instruments
620.	Szczygielska A, Burian A, Duber S, J.C. Dore, V. Honkimaki,	Structural studies of saccharose- and anthracene-based carbons by high energy X-ray scattering.	Studies in Surface Science and Catalysis 144: 561-568 2002	2002	surface science
621.	Wieteska K, Wierzchowski W, Graeff W, et al.	Studies of growth bands in Si : Ge crystals	Materials Science & Engineering B-SOLID 91: 462-465 Sp. Iss. SI APR 30 2002	2002	materials
622.	Jablonska A, A. Burian, A.M. Burian, J. Szade, O. Proux, J.L. Hazemann, A. Mosset, D. Raoux,	Studies of short-range ordering in amorphous In-Se films by EXAFS,	Journal of Non-Crystalline Solids, (2002) 299-302, 238-242	2002	materials

623.	Klinger D., Lefeld-Sosnowska M., Pelka J., Paszkowicz W., Gierłowski P., Pankowski P.,	Study of Si-implanted and thermally annealed layers of silicon by using X-ray grazing incidence methods	Acta Physica Polonica A vol.101(5), 2002, pp. 795-801,	2002	physics: general
624.	Brefeld W., Faatz B., Feldhaus J., Korfer M., Krzywiński J., Moller T., Pflueger J., Rossbach J., Saldin E., Schneidmiller E., Schreiber J., Yurkov M.,	Study of the frequency multiplication process in a multistage HGHG FEL	Nuclear Instruments and Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment), vol.483 (1-2), 2002, pp. 80-88	2002	sources instruments
625.	Leiro JA, Laajalehto K, Peltoniemi MS, et al.	Surface core-level shift and AFM study of the galena (100) surface	SURF INTERFACE ANAL 33 (12): 964-967 DEC 2002	2002	surface science
626.	Kowalski B., Iwanowski R., Sadowski J., Kanski J., Grzegory I., Porowski S.,	Surface states on GaN(0001)(1x1) - an angle-resolved photoemission study	Surface Science 507-510, 2002, 186-191	2002	surface science
627.	Grigoriew H, Wolinska-Grabczyk A, Bernstorff S, Jankowski A	Temperature effected structural transitions in polyurethanes saturated with solvents studied by SAXS synchrotron method	JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY 39 (7): 629-642 2002	2002	crystallograp hy
628.	Mackowski S., Sobczak E., Nietubyć R., Goerigk G., Kret S., Dłużewski P., Szczepańska A., Janik E., Kossut J., Karczewski G.	Three-dimensional quantum dot "crystal" formation in CdTe/ZnTe superlattices	Physica Status Solidi B - Basic Research, vol.229 (1), 2002, pp. 445-448,	2002	physics: condensed matter
629.	Dobrowolski Z. Drewniak T. Kwiatek W. Jakubik P.	Trace elements distribution in renal cell carcinoma depending on stage of disease	European Urology. 42(5):475-80, 2002 Nov.	2002	medicine
630.	Wojtowicz AJ, P. Bruyndonckx, W. Drozdowski, Z. Galazka, J. Glodo, T. Lukasiewicz, P. Szupryczynski, S. Tavernier, M. Wisniewska, D Wiesniewski	Traps and recombination centers in YAlO ₃ :Ce,Co	Nuclear Instruments and Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment) 486 , 482 (2002)	2002	sources instruments
631.	Wojtowicz AJ, K. Neyts, W. Drozdowski, P. Szupryczynski,	Vacuum Ultraviolet Studies of Luminescent Centers in SrS Layers Doped with Cerium and Yttrium",	Proc. 2002 International Conference on the Science and Technology of Emissive Displays and Lighting, eds. K. Neyts, P. de Visschere, D. Poelman, Academia Press & Ghent University, Gent 2002, pp. 69-72	2002	technology
632.	Wojtowicz AJ, D. Wisniewski, W. Drozdowski, J.M. Farmer, L.A. Boatner,	Vacuum Ultraviolet Studies of New Phosphor Material, Rb ₃ Lu(PO ₄) ₂ :Ce	Proc. 2002 International Conference on the Science and Technology of Emissive Displays and Lighting, eds. K. Neyts, P. de Visschere, D. Poelman, Academia Press & Ghent University, Gent 2002, pp. 73-76	2002	technology
633.	Wisniewski Di, S. Tavernier, P. Dorenbos, M. Wisniewska, A.J. Wojtowicz, P. Bruyndonckx, E. van Loef, C.W.E. van Eijk, L.A. Boatner	VUV Scintillation of LuPO ₄ Nd and YPO ₄ Nd	Transactions of Nuclear Science 49 , 937 (2002)	2002	sources instruments

634.	Demchenko I., Lawniczak-Jabłońska K., Zhuravlev K., Piskorska E., Nikifirov A., Welter E.,	X-ray absorption studies of Ge layers buried in silicon crystal	Acta Physica Polonica A vol.101 (5), 2002, pp. 709-717,	2002	physics: general
635.	Demchenko I.N. , Lawniczak-Jablonska K., K.S. Zhuravlev, E. Piskorska, A.I. Nikifirov and E. Welter,	X-ray absorption studies of Ge layers buried in silicon crystal",	Acta Physica Polonica A 101 (2002) 709.	2002	physics: general
636.	Orlowski BA, Mickevicius S, Kowalski BJ,A.J. Nadolny, B. Taliashvili, J.Ghijzen, F. Mirabella, Johnson RL	X-ray and ultraviolet photoemission study of electronic structure of Sn1-xMnxTe MBE layers	Surface Science, 507-510C, 155 -159 (2002)	2002	surface science
637.	Pelka J., Paszkowicz W., Gierlowski P., Lewandowski S., Zielinski M., Barbanera S., Knapp M.,	X-ray characterization of films formed by pulsed laser deposition on cold substrates from YBaCuO targets	Acta Physica Polonica A, 101, 2002, pp. 787-794,	2002	physics: general
638.	Pielaszek R, Gierlotka S, Grzanka E, Stelmakh S, B.. Palosz,	X-Ray Characterization of Nanostructured Materials	Defect and Diffusiom Forum, Vol.208-209, 187-200 (2002).	2002	physics: solid state
639.	Bak-Misiuk J., Adamczewska J., Misiuk A., Regiński K., Wierzchowski W., Wieteska K., Kozanecki A., Kuritsyn D., Glukhanyuk V., Trela J.,	X-ray study of strain relaxation in heteroepitaxial AlGaAs layers - annealed under high hydrostatic pressure	Acta Physica Polonica A vol.101 (5), 2002,. 689-699	2002	physics: general
640.	Wieteska K, Wierzchowski W, Graeff W, Misiuk A, Barcz A, Bryja L, Popov VP	X-ray synchrotron studies of nanostructure formation in high temperature-pressure treated silicon implanted with hydrogen	Acta Physica Polonica A vol.102, 2002, 239-244	2002	physics: general
641.	Juha L, Krasa A., Cejnarova A., Chvostova D., Vorlicek V., Krzywiński J., Sobierajski R., Andrejczuk A., Jurek M., Klinger D., Fiedorowicz H., Bartnik A., Pfeifer M., Kubat P., Pina L., Kravarik J., Kubeś P., Bakshaev Y., Korolev D., Chernenko A., V. D. Korolev, M. I. Ivanov, M. Scholz, L. Ryc, J. Feldhaus, J. Ullschmied, F. P. Boody	Ablation of various masterials with intense XUV radiation	Nuclear Instruments and Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment), vol.507, 2003, pp. 577-581,	2003	sources instruments
642.	Grigorashenko O.N, Rudenov V.V, Savchenko E.V, Khizhniyi I.V, Frankowski M, Smith-Gicklhorn A.M, Beyer M.K. Bondybey VE	Activation spectroscopy of electronically induced defects in solid Ne.	Low Temperature Physics, 2003, 29 9/10, 876-880	2003	physics: general
643.	Kwiatk WM	Analiza materiałów biomedycznych wybranymi metodami spektroskopowymi	Raport Nr 1928/PI, Instytut Fizyki Jądrowej im. Henryka Niewodniczańskiego, Polska Akademia Nauk, Kraków	2003	medicine
644.	Tornow W, Czakon NG, Howell CR, et al.	Analyzing power for the photodisintegration of the deuteron between E-gamma=2.4 and 4.0 MeV	Modern Physics Letters A 18 (2-6): 282-285 FEB 28 2003	2003	physics: general
645.	Kuczumow A, Genty D, Chevallier P,Nowak J, Ro C-U	Annual resolution analysis of a SW-France stalagmite by X-ray synchrotron microprobe analysis	Spectrochimica Acta B 58 (5): 851-865 MAY 30 2003	2003	spectroscopy

646.	Palosz B, Grzanka E, Stelmakh S, Gierlotka S, Pielaszek R, U. Bismayer, H.-P. Weber, Th. Proffen, and W. Palosz	Application of Powder Diffraction Methods to the Analysis of Short- and Long-range Atomic Order in Nanocrystalline Diamond and SiC; the Concept of the Apparent Lattice Parameter (alp)	Solid State Phenomena, Ed.W.Lojkowski & J.R.Blizzard, Scitec Publications, 94, 203-216 (2003).	2003	physics: solid state
647.	Szczerbowska-Boruchowska M, Lankosz M, Ostachowicz J, Adamek D, Krygowska-Wajs A, Tomik B, Szczudlik A, Simionovici A, Bohic S	Application of synchrotron radiation for elemental microanalysis of human central nervous system tissue	Journal de Physique IV 104: 325-328 MAR 2003	2003	physics: general
648.	Palosz B, Grzanka E, Gierlotka S, Stelmakh S, Pielaszek R, W. Lojkowski, U. Bismayer, J. Neufelnd, H.-W. Weber, W. Palosz	Application of X-ray powder diffraction to nano-materials - Determination of the atomic structure of nanocrystals with relaxed and strained surfaces	Phase Transitions 76, 171-185 (2003)	2003	physics: solid state
649.	Wieteska K, Wierzchowski W, Graeff W, et al.	Bragg-case section topography of growth defects in Si : Ge crystals	Journal of Physics D: Applied Physics 36 (10A): A133-A138 Sp. Iss. SI MAY 21 2003	2003	physics: applied
650.	Gerth Ch, J. Feldhaus, K. Honkavaara, K.D. Kavanagh, Ph. Piot, L. Plucinski, S. Schreiber, I. Will	Bunch length and phase stability measurements at the TESLA test facility	Nuclear Instruments and Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment) 507, 335-339 (2003)	2003	sources instruments
651.	Proost K, Vincze L, Janssens K, et al.	Characterization of a polycapillary lens for use in micro-XANES experiments	X-Ray Spectrometry 32 (3): 215-222 MAY-JUN 2003	2003	spectroscopy
652.	Vasylechko L, Vashook V, Savytskii D, Senyshyn A, Niewa R, Knapp M, Ullmann H, Berkowski M, Matkovskii A, Bismayer U	Crystal structure, thermal expansion and conductivity of anisotropic La _{1-x} Sr _x Ga _{1-2x} Mg _{2x} O _{3-y} (x=0.05, 0.1) single crystals	Journal of Solid State Chemistry 172 (2): 396-411 MAY 2003	2003	crystallography
653.	Bujacz GD, Pasternak O, Y.Fujimoto, Y.Hashimoto, M.M.Sikorski, Jaskolski M	Crystallization and preliminary crystallographic studies of cytokinin-specific binding protein from mung bean.	Acta Crystallographica D: Biological Crystallography 59, 2003 522-525	2003	crystallography: biological
654.	Kolodziejczyk R. Kochman M. Bujacz G. Dobryszczycki P. Ozyhar A. Jaskolski M.	Crystallization and preliminary crystallographic studies of Juvenile Hormone Binding Protein from Galleria mellonella hemolymph.	Acta Crystallographica D: Biological Crystallography 59, 2003 519-521.	2003	crystallography: biological
655.	Szczerbowska-Boruchowska M, Lankosz M, Adamek D, Ostachowicz J, Krygowska-Wajs A, Szczudlik A, Bohic S, Simionovici A, Chwiej J	Determination of trace elements in Parkinson's diseased brain tissue using microbeam of synchrotron radiation	Journal of Neurochemistry 85: 23-23 Suppl. 2003	2003	medicine
656.	Orlowski BA, Kowalik IA, Kowalski BJ, Suffczynski M, Mycielski A, Colonna S, Ottaviani C, Ronci F, Cricenti A	Differential reflectivity and photoemission study of ZnTe and CdTe (110) surface	Journal of Alloys & Compounds 382 (1-2): 224-227 2004	2003	materials
657.	Pasenkiewicz-Gierula M , T. Rog, J. Grochowski, P. Serda, R. Czarnecki, T. Librowski, S. Lochynski	Effects of a Carene Derivative Local Anesthetic on aPhospholipid Bilayer Studied by Molecular Dynamics	Biophys. J., 85, 1248 -1258 (2003)	2003	biophysics

658.	Plucinski L, Johnson RL, Kowalski BJ,, Kopalko K, Orlowski BA, Kovalyuk ZD, Lashkarev GV	Electronic band structure of GaSe(0001): Angle-resolved photoemission and ab initio theory	Physical Review B - Condensed Matter 68 (12): Art. No. 125304 2003	2003	physics: solid state
659.	Kowalski B, Iwanowski R, Sadowski J, Kowalik IA, Kanski J, Grzegory I, Porowski S	Electronic structure of GaN(0001)-(1x1) surface - an angle resolved photoemission study	Institute of Physics Conference Series, vol.171, 2003, pp. C4.5 (1-8)	2003	physics: general
660.	Filipek S, Stenkamp RE, Teller DC, Palczewski K	G protein-coupled receptor rhodopsin: a prospectus	Annual Review of Physiology, 2003, Vol. 65 Issue 1, p851, 29p;	2003	medicine
661.	Wang Z, R. T. Downs, V. Pischedda, R. Shetty, S. K. Saxena, C. S. Zha, Y. S. Zhao, D. Schiferl, and A. Waskowska	High-pressure x-ray diffraction and Raman spectroscopic studies of the tetragonal spinel CoFe ₂ O ₄	Physical Review B - Condensed Matter 68, 094101 (2003)	2003	physics: condensed matter
662.	Piszora P, W. Paszkowicz, C. Baehz, E. Wolska	High-resolution X-ray diffraction studies on the phase transitions in the spinel lithium-manganese oxide	Solid State Communications in press (2003)	2003	physics: solid state
663.	Lewerenz H.J. Aggour M, Murrell C, Kanis M, Jungblut H, Jakubowicz J, Cox PA, Campbell SA, Hoffmann P, Schmeißer D	Initial stages of structure formation on silicon electrodes investigated by photoelectron spectroscopy using synchrotron radiation and in-situ atomic force microscopy	J. Electrochemical Society 150 (2003) E185-E189	2003	chemistry
664.	Szuskiewicz S, K. Fronc, M. Baran, R. Szymczak, F. Ott, B. Hennion, E. Dynowska, W. Paszkowicz, J.B. Pelka, R. Żuberek, M. Jouanne, and J. F. Morhange	Interlayer Magnetic Coupling for Fe/Si Multilayers	Journal of Superconductivity 16 (2003) 205-208	2003	physics: solid state
665.	Palosz B, Stelmakh S, Grzanka E, Gierlotka S, Y. Zhao, and W. Palosz	Investigation of the surface stress in SiC nanocrystals by in-situ high pressure powder diffraction technique	Materials Research Society Symposium Proceedings 778, U1.11.1-6 (2003)	2003	materials
666.	Collet E, Lemee-Cailleau MH, Buron-Le Cointe M, Cailleau H, Wulff M, Luty T, Koshihara SY, Meyer M, Toupet L, Rabiller P, Techert S	Laser-induced ferroelectric structural order in an organic charge-transfer crystal	SCIENCE 300 (5619): 612-615 APR 25 2003	2003	science: general
667.	Savytskii D, Vasylechko L, Senyshyn A, A. Matkovskii, C. Bähz, M. L. Sanjuán, U. Bismayer, and M. Berkowski	Low-temperature structural and Raman studies on rare-earth gallates	Physical Review B - Condensed Matter 68 (2): Art. No. 024101 2003	2003	physics: solid state
668.	Vasylechko L, D. Savytskii, A. Senyshyn, A. Matkovskii, C. Bahtz, M.L. Sanjuan, U. Bismayer, M. Berkowski	Low-temperature structural and Raman studies on rare-earth gallates	Physical Review B - Condensed Matter 68, 024101-1-8 (2003)	2003	physics: solid state
669.	Vasylechko L., A. Senyshyn, Ye. Pivak, M. Berkowski, V. Vashook, H. Ullmann, C. Bahtz, U. Bismayer	LSGM Single Crystals: Crystal Structure, Thermal Expansion, Phase Transitions and Conductivity	Mixed Ionic Electronic Conducting (MIEC) Perovskites for Advanced Energy Systems, NATO Science Series, Nina Orlovskaya, Nigel Browning, Kluwer Academic Publishers, Boston/Dordrecht/London (2003)	2003	materials

670.	Kalska B, Haggstrom L, Lindgren B, et al.	Magnetic properties of monocrystal Fe-57/V multilayers investigated by CEMS, nuclear resonance reflectivity in the time domain and polarized neutron scattering	Hyperfine Interactions 136 (3): 295-300 2001	2003	surface
671.	Baczmanski A, Braham C, Seiler W	Microstresses in textured polycrystals studied by the multireflection diffraction method and self-consistent model	Philosophical Magazine 83 (28): 3225-3246 OCT 1 2003	2003	physics: general
672.	Janicki J	Nanostructure of melt-processable molecular composites	FIBRES & TEXTILES IN EASTERN EUROPE 11 (5): 101-103 Sp. Iss. SI JAN-DEC 2003	2003	materials
673.	Melero Garcia EM, Ruiz JA, Erman P, Kivimäki A, Rachlew-Källne E, Rius i Riu J, Stankiewicz M, Veseth L	Neutral dissociation of superexcited states in nitric oxide	Chemical Physics 293 (1): 65-73 AUG 15 2003	2003	physics: chemical
674.	Kang BS, Cooper DR, Jelen F, Devedjiev Y, Derewenda U, Dauter Z, Otlewski J, Derewenda ZS	PDZ tandem of human syntenin: Crystal structure and functional properties	Structure 11 (4): 459-468 APR 2003	2003	crystallography
675.	Przenioslo R, van Beek W, Sosnowska I	Phase coexistence in annealed CaMn7O12	Solid State Communications 126 (9): 485-488 MAY 2003	2003	physics: solid state
676.	Shukla A, Calandra M, d'Astuto M, Lazzeri M, Mauri F, Bellin C, Krisch M, Karpinski J, Kazakov SM, Jun J, Daghero D, Parlinski K	Phonon dispersion and lifetimes in MgB2	Physical Review Letters 90 (9): art. no. 095506 2003	2003	physics: general
677.	Kuck S, Soklska I, Henke M, et al.	Photon cascade emission in Pr3+-doped fluorides	Journal of Luminescence 102: 176-181 2003	2003	optics
678.	Thurn-Albrecht T, F. Zontone, G. Grübel, W. Steffen, P. Müller-Buschbaum, and A. Patkowski	Photon correlation spectroscopy with high-energy coherent x rays	Physical Review E: statistical, nonlinear, soft matter 68, 031407 (2003)	2003	physics: statistical, nonlinear, soft matter
679.	Hasik M., Wenda E., Bernasik A., Kowalski K., Sobczak J.W., Sobczak E., Bielańska E.,	Poly(o-toluidine) as the matrix for incorporation of palladium species from PdCl2 aqueous solutions	Polymer, vol.44, 2003, pp. 7809-7819,	2003	materials
680.	Bacewicz R, J. Filipowicz, S. Podsiadlo, T. Szyszko, M. Kaminski	Probing local order in (Ga,Mn)N alloys by X-ray absorption spectroscopy	Journal of Physics & Chemistry of Solids 64, 1469-1472 (2003)	2003	physics & chemistry: solid state
681.	Savytskii D, D. Trots, A. Matkovskii, C. Paulmann, U. Bismayer, M. Berkowski	Real structure of LSGMO crystal studied by Laue method	Mixed Ionic Electronic Conducting (MIEC) Perovskites for Advanced Energy Systems, NATO Science Series, Nina Orlovskaya, Nigel Browning, Kluwer Academic Publishers, Boston/Dordrecht/London, in press (2003)	2003	materials
682.	Paszkwicz W, Cerny R, Krukowski S	Rietveld refinement for indium nitride in the 105-295 K range	Powder Diffraction 18 (2): 114-121 JUN 2003	2003	crystallography
683.	Kuck S, Sokolska I	Room temperature emission from the Pr3+1S0-level in PrF3	Applied Physics A (Materials Science Processing) 77 (3-4): 469-474 AUG 2003	2003	physics: applied

684.	Brefeld W., Faatz B., Feldhaus J., Korfer M., Krzywiński J., Moller T., Pflueger J., Saldin E., Schneidmiller E., Schreiber J., Yurkov M.,	Scheme for time-resolved experiments based on the use of statistical properties of the third harmonic of the SASE FEL radiation	Nuclear Instruments and Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment), vol.507 (1-2), 2003, pp. 431-434	2003	sources instruments
685.	Wisniewski D, A.J.Wojtowicz, W. Drozdowski, J.M. Farmer, L.A. Boatner	Scintillation and Luminescence Properties of Ce-Activated K3Lu(PO4)2	Crystal Research & Technology 38, 275-282 (2003)	2003	crystal growth
686.	Fiedorowicz H., Bartnik A., Jarocki R., Kostecki J., Krzywiński J., Mikołajczyk J., Rakowski R., Szczurek M., Wawer J.,	Spectral measurement of soft x-ray and EUV emissions from a laser-irradiated gas puff target using a transmission grating spectrometer	Proceedings of SPIE - The International Society for Optical Engineering, vol.5064, 2003, pp. 91-97	2003	sources instruments
687.	Olczak A, Cianci M, Hao Q, Rizkallah P.J. Raftery J. Helliwell JR	S-SWAT (softer single-wavelength anomalous technique): potential in high-throughput protein crystallography	Acta Crystallographica A 59: 327-334 2003	2003	crystallography
688.	Robouch BV, Burattini E, Kisiel A, Suvorov, A.G. Zaluzhnyi,	Strained –tetrahedra statistical model for atomic distances and site occupations in ternary intermetallic M3XX' structures; Ni3AlFe case	Journal of Alloys & Compounds 359, 73 (2003),	2003	materials
689.	Bak-Misiuk J., Shalimov A., Kaniewski J., Misiuk A., Dynowska E., Regiński K., Trela J., Przesławski T., Hartwig J.,	Stress-induced structural changes in thin InAs layers grown on GaAs substrate	Crystal Research & Technology, vol.38 (3-5), 2003, pp. 302-306,	2003	crystal growth
690.	Sobierajski R., Krzywiński J., Andrejczuk A., Faatz B., Felten F., Jacobi S., Juha L., Jurek M., Kauch A., Klinger D., Pelka J.B., Saldin E., Schneidmiller E., Sikora M., Steeg B., Yurkov M.	Structural changes at solid surface irradiated with femtosecond, intense XUV pulses generated by TTF-FEL	Proceedings of the 24th Intern. Free Electron Laser Conf (FEL 2002). and the 9th FEL Users Workshop, Argonne, Illinois, U.S.A., September 9-13, 2002 [UK] Ed: <u>K.-J. Kim, S.V. Milton, E. Gluskin, North-Holland</u> July, 2003; pp. II-77-78	2003	sources instruments
691.	Helland R, Czapińska H, Leiros I, Olufsen M, Otlewski J, Smalas AO	Structural consequences of accommodation of four non-cognate amino acid residues in the s1 pocket of bovine trypsin and chymotrypsin.	Journal of Molecular Biology 2003, 333 Issue 4, p845-862	2003	biology
692.	Przysławski P., Komissarov I., Dłużewski P., Pelka J., Dynowska E., Sawicki M.,	Structure characterization and magnetic properties of oxide multilayers Nd _{0.67} Sr _{0.33} MnO ₃ /YBa ₂ Cu ₃ O _{7-x}	Physica C, vol.387 (1-2), 2003, pp. 40-43	2003	physics: general
693.	Ayvazyan V, J.-P. Carneiro, P. Castro, B. Faatz, A.A. Fateev, J. Feldhaus, Ch. Gerth, V. Gretchko, B. Grigoryan, U. Hahn, K. Honkavaara, M. H. uning, R. Ischebeck, U. Jastrow, R. Kammering, J. Menzel, M.Minty,D.Nolle, J. Pfl uger, Ph. Piot, L. Plucinski, K. Rehlich, J. Rossbach, E. L. Saldin, H. Schlarb, E. A. Schneidmiller, S. Schreiber, R. Sobierajski, B. Steeg, F. Stulle, K.P. Sytchev,K. Tiedtke, R. Treusch,	Study of the statistical properties of the radiation from a VUV SASE FEL operating in the femtosecond regime	Nuclear Instruments and Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment) 507, 368-372 (2003)	2003	sources instruments

	H.Weise,M.Wendt, M.V.Yurkov				
694.	Heske C, Groh U, Fuchs O, Weinhardt L, Umbach F, Grün M, Petillon S, Dinger A, Klingshirn C, Szuszkiewicz W, Fleszar A	Studying the local chemical environment of sulfur atoms at buried interfaces in CdS/ZnSe superlattices.	Applied Physics Letters, 9/22/2003, Vol. 83 Issue 12, p2360, 3p	2003	physics: applied
695.	Misiuk A, Wierzchowski W, Wieteska K, et al.	Synchrotron topography of high temperature-pressure treated silicon implanted with helium	Nuclear Instruments and Methods in Physics Research, Section B (Beam Interactions with Materials and Atoms) 200: 358-362 JAN 2003	2003	sources instrument*s
696.	Misiuk A, Wierzchowski W, Wieteska K, et al.	Synchrotron topography of high temperature-pressure treated silicon implanted with helium (vol 200, pg 358, 2003)	Nuclear Instruments and Methods in Physics Research, Section B (Beam Interactions with Materials and Atoms) 207 (2): 233-234 JUN 2003	2003	sources instruments
697.	Janicki J, A. Włochowicz, S. Rabiej.	Synchrotronowe badania nanostruktury polimerów.Synchrotron Investigations of Polymer Nanostructure	Modyfikacja polimerów: XVI Konferencja naukowa : materiały,Polanica Zdrój, 23-26 września 2003/[org.] Instytut Technologii Organicznej i Tworzyw Sztucznych Politechniki Wrocławskiej [i in.].- Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej,2003 s.37-40	2003	materials
698.	Podsiadlo,-S, Szyszko,-T, Gebicki,-W, Gosk,-J, Bacewicz,-R, Dobrzycki,-L, Wozniak,-K, Zajac,-M, Twardowski,-A.	Synthesis of bulk Ga _{1-x} MnxN: a prospective spintronic material	Chemistry-of-Materials. 2 Dec. 2003; 15(24): 4533-5	2003	chemistry: materials
699.	Palosz B	Synthesis of ceramic-based nanocomposites under high pressures and their characterization using diffraction methods,	Proc. International Workshop: Processing and Characterization of Nanomaterials, 8-10 October, 2003	2003	materials
700.	Filipek S, Teller DC, Palezewski K, Stenkamp R	The crystallographic model of rhodopsin and its use in studies of other g protein-coupled receptors	Annual Review of Biophysics & Biomolecular Structure, 2003, 32 1, 375-397	2003	physics: biological
701.	Kim MH, Cierpicki T, Derewenda U, Krowarsch D, Feng YY, Devedjiev Y, Dauter Z, Walsh CA, Otlewski J, Bushweller JH, Derewenda ZS	The DCX-domain tandems of doublecortin and doublecortin-like kinase	Nature Structural Biology 10 (5): 324-333 MAY 2003	2003	biology
702.	Palosz W, Graszka K, Durose K, Halliday D.P, Boyall N.M, Dudley M, Raghothamachar B, Cai L	The effect of the wall contact and post-growth cool-down on defects in CdTe crystals grown by 'contactless' physical vapour transport.	Journal of Crystal Growth, 2003 254 3/4, 316-329	2003	crystal growth
703.	Luzny W, Samuelsen EJ, Breiby DW	The structural properties of the PANI/CSA conducting polymer system studied synchrotron radition surface diffraction	FIBRES & TEXTILES IN EASTERN EUROPE 11 (5): 97-100 Sp. Iss. SI JAN-DEC 2003	2003	materials

704.	Janicki J	Time-resolved small-angle X-ray scattering and wide-angle X-ray diffraction studies on the nanostructure of melt-processable molecular composites	Journal of Applied Crystallography 36: 986-990 Part 4 AUG 2003	2003	crystallography
705.	Savytskii D, A. Senyshyn, K. Wieteska, W. Wierzchowski, Z. Frukacz, U. Bismayer, L. Vasylechko, A. Matkovskii	White beam synchrotron X-ray topography studies of twinning in GdFeO ₃ -type perovskite crystals	Zeitschrift für Kristallographie 218 (1): 17-25 2003	2003	crystallography
706.	Richert M, Stuwe HP, Zehetbauer MJ, et al.	Work hardening and microstructure of AlMg ₅ after severe plastic deformation by cyclic extrusion and compression	Materials Science & Engineering A-STRUCT 355 (1-2): 180-185 AUG 25 2003	2003	materials
707.	Wierzchowski W, Wieteska K, Graeff W, et al.	X-ray studies of Al(x)GA(1-x)As implanted with 1.5 MeV As ions	Vacuum 70 (2-3): 115-121 MAR 10 2003	2003	cryst growth
708.	Janowski R, M.Abrahamson, A.Grubb, Jaskolski M	3D Domain-Swapped Dimers of N-Truncated Human Cystatin C.	Journal of Molecular Biology 341, 2004 151-160	2004	biology
709.	Ekimov E.A., R.A.Sadykov, Gierlotka S, A.Presz, E.V.Tatyanin, V.N.Slesarev, and N.N.Kuzin,	A High-Pressure Cell for High-Temperature Experiments in a Toroid-Type Chamber,	Instruments and Experimental Techniques, 47 (2), 276-278 (2004)	2004	sources instruments
710.	Bellin C, Honkimaki V., Reniewicz H., Zaleski P., Andrejczuk A., Dobrzyński L., Zukowski E., Kasprzyk S.,	A high-resolution Compton scattering study of hexagonal zinc	Journal of Alloys & Compounds, vol.362 (2004) 314-318,	2004	materials
711.	Seinfeld JH, Carmichael GR, Arimoto R, Conant WC, Brechtel FJ, Bates TS, Cahill TA, Clarke AD, Doherty SJ, Flatau PJ, Huebert BJ, Kim J, Markowicz KM, Quinn PK, Russell LM, Russell PB, Shimizu A, Shinzuka Y, Song CH, Tang Y	ACE-ASIA: Regional Climatic and Atmospheric Chemical Effects of Asian Dust and Pollution.	Bulletin of the American Meteorological Society, 2004, 85, 3, 367-380,	2004	environmental sciences
712.	Polit JJ, Sheregii EM, Burattini E, Marcelli A, Guidi MC, Calvani P, Nucara A, Piccinini M, Kisiel A, Konior J, Sciesinska E, Sciesinski J, Mycielski A	Analysis of phonon spectra of the Zn _x Cd _{1-x} Te solid-solution	Journal of Alloys & Compounds 371 (1-2): 172-176 2004	2004	materials
713.	Guziewicz E, T. Durakiewicz, M. T. Butterfield, C.G. Olson, J.J. Joyce, A.J. Arko, J.L. Sarrao, D.P. Moore, L. Morales	Angle-resolved photoemission study of USb ₂ : the 5f band structure"	Physical Review B - Condensed Matter 69 (2004) 045102	2004	physics: solid state
714.	Kwiatk WM, Hanson AL, Paluszkiwicz C, et al.	Application of SRIXE and XANES to the determination of the oxidation state of iron in prostate tissue sections	Journal of Alloys & Compounds xxx 2004	2004	materials
715.	Luic M, Koellner G, Yokomatsu T, Shibuya S, Bzowska A	Calf spleen purine-nucleoside phosphorylase: crystal structure of the binary complex with a potent multisubstrate analogue inhibitor	Acta Crystallographica D: Biological Crystallography 60: 1417-1424 2004	2004	crystallography: biological
716.	Benko E, Klimczyk P., Mackiewicz S., Barr T.L., Piskorska E.,	cBN-Ti ₃ SiC ₂ composites	Diamond and Related Materials, vol.13, 2004, 521-525,	2004	materials
717.	Piskorska E, Lawniczka-Jabłońska K., Demchenko I., Minikayev R., Benko E., Klimczyk P., Witkowska A., Welter E., Heinonen M.H.,	Characterization of the c-BN/TiC, Ti ₃ SiC ₂ systems by element selective spectroscopy	Journal of Alloys & Compounds, vol.382, 2004, 187-194,	2004	materials

	A., Welter E., Heinonen M.H.,				
718.	Rabiej S, Goderis B, Janicki J, et al.	Characterization of the dual crystal population in an isothermally crystallized homogeneous ethylene-1-octene copolymer	POLYMER 45 (26): 8761-8778 DEC 9 2004	2004	materials
719.	Demchenko IN, Lawniczak-Jablonska K, Piskorska E, Zhuravlev KS, Nikiforov AL, Welter E	Characterization of the local structure of Ge quantum dots by x-ray absorption	Journal of Alloys & Compounds, vol.382, 2004, 206-210,	2004	materials
720.	Przenioslo R, Sosnowska I, Suard E, Hewat, A, Fitch, A.N.	Charge ordering and anisotropic thermal expansion of the manganese perovskite CaMn7O12	PHYSICA B 344 (1-4): 358-367 FEB 15 2004	2004	physics: general
721.	Brzezinski K, B.Rogozinski, T.Stepkowski, Bujacz G, Jaskolski M	Cloning, purification, crystallization and preliminary crystallographic studies of Bradyrhizobium fucosyltransferase NodZ.	Acta Crystallographica D: Biological Crystallography 60, 2005 344-346.	2004	crystallography: biological
722.	Bittner M, Juha L, Chvostova D., Letal V., Krasa J., Otcenasek Z., Kozlova M., Polan J., Prag A.R., Rus B., Stupka M., Krzywiński J., Andrejczuk A., Pelka J., Sobierajski R.H., Feldhaus J., Boody F.P., M.E. Grisham, G.O. Vaschenko, C.S. Menoni, J.J. Rocca	Comparing ablation induced by fs, ps and ns XUV-laser pulses	Proceedings of SPIE, (September 2004), High-Power Laser Ablation V; Claude R. Phipps; Ed., vol.5448, 2004, 827-836	2004	materials
723.	Koloczek J, Burian A	Computation of powder diffraction patterns for carbon nanotubes	Journal of ALLOY COMPD 382 (1-2): 123-127 NOV 17 2004	2004	materials
724.	Lefeld-Sosnowska M, Olszynska E, Wierzchowski W, et al.	Conventional and synchrotron radiation back reflection topography of GdCa4O(BO3)(3) crystals	Journal of Alloys & Compounds 382 (1-2): 153-159 2004	2004	materials
725.	Solarz P, G. Dominiak-Dzik, R. Lisiecki, W. Ryba-Romanowski	Conversion of VUV to UV and visible in K5Li2LnF10containing rare-earth from cerium group (Ln= La3+, Ce3+, Pr3+Nd3+)	Radiation Measurements 38, 603-606 (2004)	2004	sources instruments
726.	Solarz P, G. Dominiak-Dzik, W. Ryba-Romanowski	Conversion of VUV to visible in K5Li2LnF10containing rare earth ions (Ln=Pr-Gd)	Journal of Alloys & Compounds, 362, 61-66 (2004)	2004	materials
727.	Dodatko T, Fedorov AA, Grynberg M, Patskovsky Y, Rozwarski DA, Jaroszewski L, Aronoff-SE, Kondraskina E, Irving T, Godzik A, Almo SC	Crystal Structure of the Actin Binding Domain of the Cyclase-Associated Protein.	Biochemistry 8/24/2004, Vol. 43 Issue 33, p10628-10641	2004	chemistry: biological
728.	Vasylechko L., A. Matkovskii	Crystal structures and phase transitions in the RE aluminates with perovskite-like structures	Bull. Lviv Polytechn. Nat. Univ. Electr., 514, 33-51 (2004)	2004	science: general
729.	Tamulaitiene G, Grazulis S, Janulaitis A, R.Janowski, Bujacz G, Jaskolski M	Crystallization and preliminary crystallographic studies of a bifunctional restriction endonuclease Eco57I.	Biochimica and Biophysica Acta (PROTEINS PROTEOMICS)1698, 2004 251-254.	2004	biology
730.	Klimczyk P, Benko E., Lawniczak-Jabłńska K., Piskorska E., Heinonen M.H., Ormaniec A., Gorczyńska-Zawisła W.,	Cubic boron nitride-Ti/TiN composites: hardness and phase equilibrium as function of temperature	Journal of Alloys & Compounds, vol.382, 2004, 195-205,	2004	materials

	Urbanovich V.S.,				
731.	Mikkelsen A, B. Sanyal, J. Sadowski, L. Ouattara, J. Kanski, S. Mirbt, O. Eriksson, and E. Lundgren	Defect structure of Ga _{1-x} MnxAs: A cross-sectional scanning tunneling microscopy study	Physical Review B - Condensed Matter 70, 085411 (2004)	2004	physics: condensed matter
732.	Zhuang D, Edgar JH, Strojek B, Chaudhuri J, Rek Z.	Defect-selective etching of bulk AlN single crystals in molten KOH/NaOH eutectic alloy	Journal of Crystal Growth 262 (1-4): 89-94 FEB 15 2004	2004	crystal growth
733.	Butterfield MT, T. Durakiewicz, J.J. Joyce, Guziewicz E, A.J. Arko, K.S. Graham, D.P. Moore, L.A. Morales, I. Prodan, J. A. Sordo, K. N. Kudin, G.E. Scuseria and R.L. Martin	Defining the electronic structure of surface oxides [†] ,	Actinide Research Quarterly 3 (2004) 22-28	2004	materials
734.	Kozak M	Direct comparison of the crystal and solution structure of xylanase from <i>Trichoderma longibrachiatum</i> .	Protein & Peptide Letters. 11(4):301-6, 2004 .	2004	biology
735.	Durakiewicz T, C. D. Batista, Joe D. Thompson, Cliff Olson, J. Joyce, G. H. Lander, J.E. Gubernatis, Guziewicz E, M.T. Butterfield, Al Arko, J. Bonca, K. Mattenberger and O. Vogt	Direct observation of itinerant magnetism in UTe	Physical Review Letters 93 (2004) 267205	2004	physics: general
736.	Mayer S, Golnik N, Kyllonen JE, et al.	Dose equivalent measurements in a strongly pulsed high-energy radiation field	Radiation Protection & Dosimetry 110 (1-4): 759-762 Sp. Iss. SI 2004	2004	environmental sciences
737.	Sladeczek M, Sepiol B, Korecki J, et al.	Dynamics in submonolayer Fe-films	Surface Science 566: 372-376 20 2004	2004	surface science
738.	Vodopyanov L, I. Kucharenko, J. Polit, E. Sheregii, J. Cebulski, Kisiel A, Robouch BV, M Piccinini, A. Marcelli, M. Castelli-Guidi, A. Nucara, R. Tribulet	Effect of band inversion on the phonon spectra Hg _{1-x} Zn _x Te and Hg _{1-x} Cd _x Te semiconductor alloys	Physica Status Solidi (c) 1, 2838 (2004)	2004	physics: solid state
739.	Wolska E, W. Nowicki, J. Darul, P. Piszora, M. Knapp	Effect of double substitution with Li(+) and Fe(3+) ions in LiMn ₂ O ₄ on its low-temperature phase transitions.	Proceedings of XIX Conf. Applied Crystallography, XIX, 412-415 (2004)	2004	crystallography
740.	Dominiak-Dzik G, W. Ryba-Romanowski, L. Kovacs, E. Beregi	Effect of temperature on luminescence and VUV to visible conversion in the YAl ₃ (BO ₃) ₄ :Dy ³⁺ (YAB:Dy)	Radiation Measurements 38, 557-561 (2004) 910	2004	sources instruments
741.	Djemia P, Roussigne Y., Stashkevich W., Szuszkiewicz W., Gonzalez Szwacki N., Dynowska E., Janik E., Kowalski B., Boguslawski P., Jouanne M., Morhange J.F.	Elastic properties of zinc blende MnTe	Acta Physica Polonica A vol.106, 2004, 239-247	2004	physics: general
742.	Jablonski A, Powell CJ	Electron effective attenuation lengths in electron spectroscopies	Journal of Alloys & Compounds 362 (1-2): 26-32 2004	2004	materials
743.	Jiricek P, M. Cukr, I. Bartos, J. Sadowski	Electron mean free path for GaAs(1 0 0)- c(4 x 4) at very low energies	Surface Science 566-568, 1196 (2004)	2004	surface science

744.	Laukkanen P, Perala RE, Vaara RL, I. J. Väyrynen, M. Kuzmin, J. Sadowski	Electronic and structural analysis of Sb-induced GaAs(100)(2x4) and (2x8) surfaces	Physical Review B - Condensed Matter 69 (20): Art. No. 205323 2004	2004	physics: solid state
745.	Butterfield MT, T. Durakiewicz, Guziewicz E, J.J. Joyce, D.P. Moore, A.J. Arko, L.A. Morales	Electronic Structure and Surface Science of delta Plutonium"	MRS Symposium Proceedings, "Actinides-Basic Science, Applications and Technology", vol. 802 (2004) 81	2004	materials
746.	Durakiewicz T, J.J. Joyce, G. H. Lander, C.G. Olson, M. T. Butterfield, Guziewicz E, A.J. Arko, L. Morales, J. Rebizant, K. Mattenberger, O. Vogt	Electronic Structure of Actinide Antimonides and Tellurides from Photoelectron Spectroscopy"	Physical Review B - Condensed Matter 70 (2004) 205103 (1-11)	2004	physics: solid state
747.	Kowalski B., Iwanowski R., Sadowski J., Kowalik I.A., Kanski J., Grzegory I., Porowski S	Electronic structure of GaN (0001)-(1x1) surface	Surface Science 548, 2004, 220-230	2004	surface science
748.	Kowalski BJ, Iwanowski RJ, J. Sadowski, I.A. Kowalik, J. Kanski, I. Grzegory, S. Porowski	Electronic structure of GaN(0001) surface	Surface Science. 548, 220 (2004)	2004	surface science
749.	Guziewicz E, T. Durakiewicz, M.T. Butterfield, C.G. Olson, J.J. Joyce, A.J. Arko, J.L. Sarrao, A. Wojakowski, T. Cichorek	Electronic Structure of UAsSe and USb ₂ compounds: the 5f photoemission"	Materials Research Society Symposium Proceedings "Actinides-Basic Science, Applications and Technology", vol.802 (2004) 183	2004	materials
750.	Guziewicz E, K. Kopalko, J. Sadowski, M. Guziewicz and Z. Gołacki	Electronic structure of Zn(Mn)O surface alloy - a resonant photoemission study	Materials Research Society Symposium Proceedings (Symposium on Fundamentals of Novel Oxide/Semiconductor Interfaces), vol.786 (2004) 359-364	2004	materials
751.	Guziewicz E., Kopalko K., Sadowski J., Guziewicz M., Gołacki Z.,	Electronic structure of Zn(Mn)O surface alloy - a resonant photoemission study	Materials Research Society Symposium Proceedings Series, vol.786, 2004, E6.4.1-E6.4.6	2004	materials
752.	Sikora M, Cz. Kapusta, L. Maksymowicz, M. Lubecka, B. Ciecwiwa, R. Szymczak, E. Welter, M. Borowiec, D. Zajac	EXAFS study of indium doped magnetic semiconductor CdCr ₂ Se ₄	Journal of Alloys & Compounds, 362, 151-155 (2004)	2004	materials
753.	Grzanka E, Stelmakh S, Gierlotka S Palosz B, and W. Palosz	Examination of the atomic Pair Distribution Function (PDF) of SiC nanocrystals by in-situ high pressure diffraction	Journal of Alloys & Compounds 382, 133-137 (2004)	2004	materials
754.	Stankiewicz M, Garcia EM, Ruiz JA, Erman P, Hatherly P. A, Kivimaki A, Rachlew E, Rius i Riu J.	Experimental station for gas phase fluorescence spectroscopy	Review of Scientific Instruments 75 (7): 2402-2408 JUL 2004	2004	sources instruments
755.	Rusek M, Orłowski A	Explosion of atom clusters in a free-electron intense laser pulse	Acta Physica Polonica A 105 (5): 425-436 2004	2004	physics: general
756.	Korecki P, Novikov DV, Tolkiehn M, Materlik G	Extinction effects in x-ray holographic imaging with internal reference	PHYSICAL REVIEW B 69 (18): Art. No. 184103 2004	2004	physics: solid state

757.	Mroccka R, Zukocinski G, Kuczumow A	Geometrical description of the X-ray capillaries with assumed reflection features	Journal of Alloys & Compounds 382 (1-2): 311-319 2004	2004	materials
758.	Pankowski P., Pizzini S., Pelka J., Wawro A., Baczewski L.,	Growth mode and structural characterization of epitaxial TM/RE thin films	Journal of Alloys & Compounds, vol.362, 2004, 56-60,	2004	materials
759.	Palosz B, Stelmakh S, Grzanka E, Pielaszek R, U. Bismayer, S. Werner Palosz	High Pressure X-ray Diffraction Studies on Nanomaterials	Journal of Physics-Condensed Matter 16, S353-S377 (2004)	2004	materials
760.	Waskowska A., L. Gerward, J.S. Olsen, M. Feliz, R. Llusar, L. Gracia, M. Marques, J.M. Recio	High-pressure behaviour of selenium based spinels and related structures -an experimental and theoretical study	Journal of Physics-Condensed Matter 16, 53-63 (2004)	2004	physics: solid state
761.	Paszkwicz W., Szuszkiewicz W., Dynowska E., Domagala J.Z., Firszt F., Męczyńska H., Łęgowski S., Lathe C.,	High-pressure structural and optical properties of wurzite-type Zn _{1-x} Mg _x Se	Journal of Alloys & Compounds, vol.371, 2004, 168-171,	2004	materials
762.	Chesnel K, Van Der Laan G, Livet F, Beutier G, Marty A, Belakhovsky M, Haznar A, Collins SP	Hysteresis effect in FePd magnetic stripes studied by coherent soft X-ray resonant magnetic scattering.	Journal of Synchrotron Radiation, 2004, 11 Issue 6, p469-475,	2004	sources instruments
763.	Grigoriev H, Luboradzki R, Cunis S	In situ studies of monosaccharide gelation using the small-angle X-ray scattering time-resolved method	LANGMUIR 20 (18): 7374-7377 2004	2004	surface
764.	Bak-Misiuk J., Misiuk A., W. Paszkowicz, A. Shalimov, J. Härtwig, L. Bryja, J.Z. Domagala, J. Trela, W. Wierzchowski, K. Wieteska, J. Ratajczak, W. Graeff	Influence of high pressure and temperature on defect structure of silicon crystals implanted with N or Si ions	Journal of Alloys & Compounds, vol.362 (2004) 275-281	2004	materials
765.	Broda J	Influence of processing on structure of beta-nucleated poly(propylene) fibers	Journal of APPL POLYM SCI 91 (3): 1413-1418 FEB 5 2004	2004	materials
766.	Guziewicz E., Kowalski B., Orłowski B., Szczepańska A., Gołacki Z., Kowalik I.A., Grzegory I., Porowski S., Johnson R.L.,	Interaction between Sm and GaN - a photoemission study	Surface Science 551, 2004, 132-142	2004	surface science
767.	Krzywiński J., Jurek M., Klinger D., Nietubyc R., Pelka J., Wawro A., Sikora M., Saldin E., Schneidmiller E., Steeg B., Treusch R., Yurkov M., Bittner M., Chvostova D., Juha L., Letal V., Vorlicek V., Andrejczuk A., Reniewicz H., Sobierajski R., Kauch A.	Interaction of intense ultrashort XUV pulses with different solid - results from the TESLA test facility fel phase I	Proceedings of the 26 th International FEL Conference & 11 th FEL Users Workshop, August 29-September 3, 2004, Trieste, Italy, (eds.: R. Barker, L. Grannessi, M. Marsi, R. Walker) pp. 675-678	2004	sources instruments
768.	Florek M, Youn HS, Ro CU, et al.	Investigation of chemical composition of belemnite rostra by synchrotron-based X-ray microfluorescence and diffraction and electron microprobe	Journal of Alloys & Compounds 362 (1-2): 99-106 2004	2004	materials
769.	Dygdala RS, Zawadzka A, Lisak D, Plociennik P, Trawiński RS	Investigation of highly excited states of calcium by three-photon ionization.	European Physical Journal D -- Atoms, Molecules, Clusters & Optical Physics, Jul2004, Vol. 30 Issue 1, p15-22,	2004	physics: general

770.	Swiderska-Sroda A, Kozubowski JA, Maranda-Niedbala A, Grzanka E, Palosz BF, Presz A, Gierlotka S, Stelmakh S, Kalisz G, Herlin-Boime N, Lathe C	Investigation of the microstructure of SiC-Zn nanocomposites by microscopic methods: SEM, AFM and TEM	Solid State Phenomena, 102, 151-156 (2004)	2004	physics: solid state
771.	Mrocza R, Zukocinski G, Kuczumow A	Investigations of different trajectories of X-rays in capillaries	Journal of Alloys & Compounds 362 (1-2): 88-95 2004	2004	materials
772.	Demchenko I., Lawniczak-Jabłońska K., Zhuravlev K., Piskorska E., Nikifirov A., Welter E.,	Local microstructure of Ge layers buried in a silicon crystal studied by extended x-ray absorption fine structure	Journal of Alloys & Compounds, vol.362, 2004, 156-161	2004	materials
773.	Parlinski K, Jochym PT, Leupold O, A. I. Chumakov, R. Ruffer, H. Schober, A. Jianu, J. Dutkiewicz, and W. Maziarz	Local modes of Fe and Co atoms in NiAl intermetallics	Physical Review B - Condensed Matter 70 (22): Art. No. 224304 2004	2004	physics: solid state
774.	Sobczak J.W., Sobczak E., Drelinkiewicz A., Hasik M., Wenda E.,	Local structure of a Pd-doped polymer investigated using a linear combination of XANES spectra	Journal of Alloys & Compounds, vol.362, 2004, 162-166,	2004	materials
775.	Szczygielska A, A. Burian, J.C. Dore, V. Honkimaki, S. Duber	Local structure of the saccharose- and anthracene-based carbons studies by wide-angle high-energyX-ray scattering,	Journal of Alloys & Compounds 362 (2004) 307-313.	2004	materials
776.	Polit J, Sheregii EM, Cebulski J, Pociask M, Kisiel A, Mycielski A, Robouch BV, Burattini E, Marcelli A, Guidi MC, Piccinni M, Calvani P, Nucara A	Manifestation of defects in phonon spectra of binary zinc-blende compounds	European Physical Journal-APPL PHYS 27 (1-3): 321-324 JUL-SEP 2004	2004	physics: applied
777.	Schroder E, R. Fasel, and A. Kiejna	Mg(0001) surface oxidation: A two-dimensional oxide phase	Physical Review B - Condensed Matter 69, 193405 (2004)	2004	physics: condensed matter
778.	Kuczumow A	Microprobe investigations of patterned natural and petrified biological objects	Journal of Alloys & Compounds 362 (1-2): 71-82 2004	2004	materials
779.	Kuczumow, Andrzej.	Microprobe investigations of patterned natural and petrified biological objects.	Journal of Alloys & Compounds, Jan2004, Vol. 362 Issue 1/2, p71, 12p	2004	materials
780.	Mikkelsen A, Ouattara L, Davidson H, Lundgren E, Sadowski J, Pacherova O	Mn diffusion in Ga1-xMnxAs/GaAs superlattices	Applied Physics Letters, 11/15/2004, Vol. 85 Issue 20, p4660-4662,	2004	physics: applied
781.	Orlowski BA, Mickevicius S, Kowalski BJ, I.A. Kowalik, K. Kopalko, A. Mycielski, Johnson RL	Mn doped ZnTe(110)-(1 x 1) surface in resonant photoemission study	Journal of Alloys & Compounds 382 (1-2): 218-223 2004	2004	materials
782.	Kowalski B., Kowalik I.A., Iwanowski R., Łusakowska E., Sawicki M., Sadowski J., Grzegory I., Porowski S.,	MnAs overlayer on GaN(0001)-(1x1) - its growth, morphology and electronic structure	Acta Physica Polonica A vol.105 (6), 2004, 645-650	2004	physics: general
783.	Surma B, Misiuk A, Hartwig J, et al.	Modification of the SOI-like structures by annealing under high hydrostatic pressure	Journal of Alloys & Compounds 362 (1-2): 269-274 2004	2004	materials

784.	Baczmanski A, Braham C, Seiler W, et al.	Multi-reflection method and grazing incidence geometry used for stress measurement by X-ray diffraction	SURF COAT TECH 182 (1): 43-54 APR 1 2004	2004	surface science
785.	Zajac D, Cz. Kapusta, P.C. Riedi, M. Sikora, C.J. Oates, D. Rybicki, J. Blasco, D. Serrate, J.M. De Teresa, M.R. Ibarra	NMR and X-MCD study of Sr _{1-3x} Ba _{1+x} La _{2x} FeMoO ₆	Journal of Magnetism & Magnetic Materials, 272-276, 17561758 (2004)	2004	materials
786.	Szymanski K, Satula D, Dobrzynski L, et al.	Nuclear Resonance Scattering of circularly polarized Sr	Acta Physica Polonica B 35 (9): 2313-2325 SEP 2004	2004	physics: general
787.	Andreeva MA, Haggstrom L, Lindgren B, Kalska B, Blixt A.-M, Kamali S, Leupold O, Ruffer R	Nuclear resonant reflectivity investigations of a thin magnetic Fe-57 layer adjacent to a superconducting V layer	Hyperfine Interactions 156 (1): 607-613 JUN-SEP 2004	2004	surface
788.	Schroder E, R. Fasel, and A. Kiejna	O adsorption and incipient oxidation of the Mg(0001) surface	Physical Review B - Condensed Matter 69, 115431 (2004)	2004	physics: condensed matter
789.	Rabiej S	On the origin of the multiple melting observed after isothermal crystallization of homogeneous ethylene/1-octene copolymers	POLIMERY-W 49 (6): 414-423 2004	2004	materials
790.	Styczynski J, Cheung YK, Garvin J, et al.	Outcomes of unrelated cord blood transplantation in pediatric recipients	BONE MARROW TRANSPL 34 (2): 129-136 JUL 2004	2004	medicine
791.	Pieczka A, Kraczkza J	Oxidized tourmalines - a combined chemical, XRD and Mossbauer study	EUR J MINERAL 16 (2): 309-321 MAR-APR 2004	2004	mineralogy
792.	Brown DE, Toellner TS, Sturhahn W, Alp E. E, Hu M, Kruk R, Rogacki K, Canfield PC	Partial phonon density of states of dysprosium and its compounds measured using inelastic nuclear resonance scattering	Hyperfine Interactions 153 (1-4): 17-24 2004	2004	surface
793.	Przenioslo R, Sosnowska I, Van Beek W, et al.	Phase separation in CaCuxMn7-xO12 (x=0.38)	Journal of Alloys & Compounds 362 (1-2): 218-223 Jan 14 2004	2004	materials
794.	Butterfield MT, T. Durakiewicz, Guziewicz E, J.J. Joyce and A.J. Arko, D.P.Moore and L.A. Morales	Photoemission and Surface Science of delta Plutonium	Surface Science 571 (2004) 74-82	2004	surface science
795.	Adell M, L. Ilver, J. Kanski, J. Sadowski, R. Mathieu	Photoemission studies of the annealing induced modifications of (Ga,Mn)As	Physical Review B - Condensed Matter 70, 125204 (2004)	2004	physics: solid state
796.	Hoffmann P, Schmeisser D, Beck RB, Cuch M, Giedz M, Jakubowski A	Photoemission studies of very thin (< 10 nm) silicon oxynitride (SiOxNy) layers formed by PECVD	Journal of Alloys & Compounds 382 (1-2): 228-233 2004	2004	materials
797.	Orlowski B., Mickevicius S., Chernyshova M., Demchenko I., Sipatov A.Y., Story T., Medicherla R., Drube W.,	Photoemission study of EuS layers buried in PbS	Journal of Electron Spectroscopy and Related Phenomena, vol.137-140, 2004, 763-767	2004	spectroscopy
798.	Orlowski B., Guziewicz E., Kowalski B., Story T., Mickevicius S., Sipatov A.Y., Chernyshova M., Demchenko I., Barrett N., Taniguchi M., Kimura A., Sato H., Sebenne C.A., Lacharm J.P., Medicherla R., Drube W.,	Photoemission study of EuS/PbS electronic structure	Journal of Alloys & Compounds, vol.362, 2004, 198-201,	2004	materials

799.	Mickevicius S, Sadowski J, Balakauskas S, Leandersson M	Photoemission study of LT-GaAs	Journal of Alloys & Compounds 382 (1-2): 234-238 2004	2004	materials
800.	Kowalik IA, Kowalski B., Orłowski B., Łusakowska E., Iwanowski R., Mickevicius S., Johnson R.L., Grzegory I., Porowski S.,	Photoemission study of Mn/GaN	Surface Science 566-568, 2004, 457-461	2004	surface science
801.	Paszkowicz W, Szuszkiewicz W, Dynowska E, Domagala JZ, Lathe C	Pressure distribution in a large-anvil pressure cell	Journal of Alloys & Compounds, vol.362 (2004) 96-98	2004	materials
802.	Bak-Misiuk J., Shalimov A., Paszkowicz W., Misiuk A., Hartwig J., Adamczewska J., Trela J., Domagala J.Z., Dobosz D., Żytkiewicz Z.	Pressure-induced defect structure changes in thin AlGaAs layers	Journal of Alloys & Compounds, vol.362 (2004) 254-260	2004	materials
803.	Guerin L, Collet E, Lemee-Cailleau MH, Buron-Le Cointe M, Cailleau H, Plech A, Wulff M, Koshihara SY, Luty T	Probing photoinduced phase transition in a charge-transfer molecular crystal by 100 picosecond X-ray diffraction	Chemical Physics 299 (2-3): 163-170 Sp. Iss. SI APR 19 2004	2004	physics: chemical
804.	Holden T, Habermeier HU, Cristiani G, et al.	Proximity induced metal-insulator transition in YBa ₂ Cu ₃ O ₇ /La ₂ /3Ca ₁ /3MnO ₃ superlattices	Physical Review B - Condensed Matter 69 (6): Art. No. 064505 2004	2004	physics: solid state
805.	Zaharko O, W. Sikora, F. Bialas, U. Staub, and T. Nakamura	Quadrupolar, structural, and magnetic ordering in DyB ₂ C ₂ studied by symmetry analysis and neutron diffraction	Physical Review B - Condensed Matter 69, 224417 (2004)	2004	physics: condensed matter
806.	Savytskii D, D. Trots, A. Matkovskii, C. Paulmann, U. Bismayer, M. Berkowski	Real structure of LSGMO crystal studied by Laue method	Mixed Ionic Electronic Conducting (MIEC) Perovskites for Advanced Energy Systems, NATO Science Series, Nina Orlovskaya, Nigel Browning, Kluwer Academic Publishers, Boston/Dordrecht/London, 173, 239-245 (2004)	2004	materials
807.	Savytskii D, D. Trots, A. Matkovskii, C. Paulmann, U. Bismayer, M. Berkowski	Real structure of LSGMO crystal studied by Laue method Mixed Ionic Electronic Conducting (MIEC) Perovskites for Advanced Energy Systems	NATO Science Series, Nina Orlovskaya, Nigel Browning, Kluwer Academic Publishers, Boston/Dordrecht/London, 173, 239-245 (2004)	2004	technology
808.	Wieteska K, W. Wierzchowski, W. Graeff, G. Kuri, A. Misiuk, A. Turos, G. Gawlik	Reciprocal space mapping of implanted AlIIBV semiconductor compounds	Journal of Alloys & Compounds, 362, 297-300 (2004)	2004	materials
809.	Stankiewicz M, Riu JRI, Ruiz JA, et al.	Relaxation dynamics of SF ₆ studied by energy-resolved electron ion coincidence technique	Journal of Electron Spectroscopy 137: 369-375 Sp. Iss. 2004	2004	spectroscopy
810.	Lankosz M, Szczerbowska-Boruchowska M, Chwiej J, Ostachowicz J, Simionovici A, Bohic S	Research in quantitative microscopic X-ray fluorescence analysis	Spectrochimica Acta B 59 (10-11): 1517-1521 2004	2004	spectroscopy
811.	Janicki J	SAXS and WAXD real time studies on nanostructure of selected polymer materials	Journal of Alloys & Compounds 382 (1-2): 61-	2004	materials

		nanostructure of selected polymer materials	67 2004		
812.	Wisniewski D, Wojtowicz AJ, Drozdowski W, J.M. Farmer, L.A. Boatner	Scintillation and luminescence properties of Ce-activated K ₃ Lu(PO ₄) ₂	Journal of Alloys & Compounds 380 (1-2): 191-195 2004	2004	materials
813.	Ruiz JM, Erman P, Kivimaki A, et al.	Selective excitation of the np sigma(1)Sigma(+)(u) and np pi(1)Pi(u) to E,F (1)Sigma(+)(g) emission systems in molecular hydrogen using synchrotron radiation	Chemical Physics Letters 388 (1-3): 31-35 2004	2004	physics: chemical
814.	Jablonska A, Burian A	Separation of vibrational and static disorder in amorphous In-Se films by EXAFS	Journal of Alloys & Compounds 382 (1-2): 211-217 2004	2004	materials
815.	Juha L., Bittner M., Chvostova D., Letal V., Krasa J., Otcenasek Z., Kozlova M., Polan J., Prag A.R., Rus B., Stupka M., Krzywiński J., Andrejczuk A., Pelka J., Sobierajski R.H., Ryc L., Feldhaus J., Boody F.P., Fiedorowicz H., A. Bartnik, Mikołajczyk J., Rakowski R., Kubat P., Pina L., Grisham M.E., Vaschenko G.O., Menoni C.S., Rocca J.J.	Short-wavelength ablation of solids: pulse duration and wavelength effects	Proceedings of SPIE, vol.5534, (November 2004) pp. 95-107, Fourth Generation X-Ray Sources and Optics II; (Sandra G. Biedron, Wolfgang Eberhardt, Tetsuya Ishikawa, Roman O. Tatchyn; Eds). 95 - 107,	2004	sources instruments
816.	Palosz B	Single- and nano-crystals: similarities and differences from the perspective of powder diffraction	Annals of the Polish Chemical Society, Vol.3 (1) 760-763 (2004).	2004	chemistry: general
817.	Haznar A, van der Laan G, Collins SP, Vaz CAF, Bland JAC, Dhessi SS	Soft X-ray resonant magnetic scattering from a Ni layer with modulated magnetic anisotropy.	Journal of Synchrotron Radiation, 2004, 11 Issue 3, p254-260,	2004	sources instruments
818.	Robouch BV, Sheregii EM, Kisiel A,	Statistical analysis of inter-ionic distances and occupation preferences in ternary zincblende and wurzite structured crystals	Physica Status Solidi (c) 1, 3015 (2004),	2004	physics: solid state
819.	Konior J, Kisiel A	Statistical models of the local structure in ternary and quaternary zinc-blende structures	Journal of Alloys & Compounds 371 (1-2): 20-24 2004	2004	materials
820.	Robouch BV, Sheregii EM, Kisiel A,	Statistical strained-tetrahedron model of local ternary zincblende crystal structures	Fizika Nizkikh Temperatur, 30, 1225 (2004),	2004	physics: solid state
821.	Mirabella F., Schmerber G., Golacki Z., Johnson R.L., Ghijssen J.,	Structural and photoemission investigations of a new pseudo binary semimagnetic semiconductor: Sn _{1-x} MnxSe ₂	Materials Science & Engineering B Solid-State Materials for Advanced Technology, vol.110, 2004, 143-151,	2004	materials
822.	Jablonska A, A. Burian, A.M. Burian, M. Borowski,	Structural studies of amorphous In-Se by EXAFS,	Journal of Alloys & Compounds, 362 (2004) 167-170.	2004	materials
823.	Pelka J., Andrejczuk A., Reniewicz H., Schell N., Krzywiński J., Sobierajski R., Wawro A., Żytkiewicz Z., Klinger D., Juha L.,	Structure modifications in silicon irradiated by ultra-short pulses of XUV free electron laser	Journal of Alloys & Compounds, vol.382, 2004, 264-270,	2004	materials
824.	Gierłowski P., Dynowska E., Abal'oshev A., Pelka J.B., Paszkowicz W, Kostrzeńska D, Bähz C, Knapp M	Structure of laser-modified YBa ₂ Cu ₃ O _{7-x} thin films	Journal of Alloys & Compounds, vol.362 (2004) 293-296 (2004	materials

	Bähtz C, Knapp M				
825.	Ye. Pivak, L. Vasylechko, A. Senyshyn, M. Berkowski, M. Knapp	Structure, thermal expansion and phase transition in La _{0.92} Sr _{0.08} Ga _{0.92} Ti _{0.08} O ₃ single crystal	Fuel Cell Technologies: State & Perspectives, NATO Science Series, N. Sammes and O. Vasyliiev, Kluwer Academic Publishers, Boston/Dordrecht/London, (2004)	2004	technology
826.	Rzodkiewicz W., Kudla A., Misiuk A., Surma H.B., Bak-Misiuk J., Hartwig J., Ratajczak J.,	Structures prepared by implantation of silicon with nitrogen and annealing under high hydrostatic pressure	Materials Science in Semiconductor Processing, vol.7, 2004, 399-403,	2004	materials
827.	Siurek J, Chevallier P, Ro CU, Hee-Young-Chun; Hwa-Shik-Youn; Zieba,-E, Kuczumow A	Studies on the wood tissue substitution by silica and calcite during the preservation of fossil wood	Journal of Alloys & Compounds. 14 Jan. 2004; 362: 107-15	2004	materials
828.	Orlowski BA, Kowalski BJ, Fronc K, Zuberek R, Mickevicius S, Mirabella F, Ghijzen J	Study of Fe/Si multilayers by photoemission spectroscopy	Journal of Alloys & Compounds 362 (1-2): 202-205 2004	2004	materials
829.	Janicki J, Rabiej S, Wlochowicz A	Synchrotron investigations of polyethylene materials nanostructures	POLIMERY-W 49 (4): 248-256 2004	2004	materials
830.	Sepiol B, Sladeczek M, Stadler LM, et al.	Synchrotron radiation - A versatile tool for diffusion studies	ARCH METALL MATER 49 (2): 411-430 2004	2004	materials
831.	Thaimattam R, Jaskolski M	Synchrotron radiation in atomic-resolution studies of protein structure	Journal of Alloys & Compounds 362 (1-2): 12-20 2004	2004	materials
832.	Wierzchowski W., Wieteska K., Auleytner J., Graeff W., Zymierska D.,	Synchrotron x-ray diffraction studies of silicon implanted with high-energy Ar ions after thermal annealing	Journal of Alloys & Compounds, vol.382, 2004, 146-152,	2004	materials
833.	Wolska E, Piszora P, Darul J, et al.	Synchrotron X-ray diffraction studies on the phase transitions in the spinel Li _x Mn _{3-x} O ₄ intercalation compounds	Journal of Physics & Chemistry of Solids 65 (2-3): 223-227 FEB-MAR 2004	2004	physics & chemistry: solid state
834.	Piszora P, J. Darul, W. Nowicki, E. Wolska	Synchrotron X-ray powder diffraction studies on the phase transitions in LiMn ₂ O ₄	Journal of Alloys & Compounds 362, 231-235 (2004)	2004	materials
835.	Paszkowicz W. Knapp M., Bähtz C., Minikayev R., Piszora P., Jiang J.Z., Bacewicz R.	Synchrotron X-ray wavelength calibration using a diamond internal standard: application to low-temperature thermal-expansion studies	Journal of Alloys & Compounds, vol.382 1-2 (2004) 107-111	2004	materials
836.	Janicki J	Synchrotronowe badania nanostruktury izotaktycznego polipropylenu	Materiały Polimerowe Pomerania-Plast 2004: streszczenia, Szczecin-Międzyzdroje, 2-4 czerwca 2004 Politechnika Szczecińska Instytut Polimerów.-Szczecin: Wydawnictwo Uczelniane Politechniki Szczecińskiej, 2004 s.126-127 May 17-21.2004	2004	materials
837.	Piszora P, W. Nowicki, J. Darul, E. Wolska	Synthesis and characterization of the lithium deficient Fe-substituted Li-Mn oxide spinel phases	Materials Letters 58, 1321-1326 (2004)	2004	materials

838.	Zaleska B, Socha R, Karelus M, et al.	Synthesis of saturated imidazolidin[1,5-a]- and thiazolidin[3,4-a]perhydro-quinoxalin-4-one and imidazolidin[1,5-a]piperazin-4-one derivatives. Ring contraction of perhydroquinoxalin-4-one to perhydrobenzimidazolin-2-one	SYNTHESIS-STUTT GART (13): 2169-2172 SEP 6 2004	2004	chemistry
839.	Waskowska A, L. Gerward, J.S. Olsen, E. Malicka	Temperature and pressure induced lattice distortion in CdCr _{2-x} GaxSe ₄	Journal of Physics: Condensed Matter 14, 12423-12431 (2004)	2004	physics: condensed matter
840.	Piszora P	Temperature dependence of the order and distribution of Mn ³⁺ and Mn ⁴⁺ cations in orthorhombic LiMn ₂ O ₄	Journal of Alloys & Compounds 382 (1-2): 112-118 2004	2004	materials
841.	Piszora P	Temperature dependent structural studies on LiMn ₂ O ₄	Applied Crystallography, H. Morawiec & D. Stroz, World Scientific, New Jersey, London, XIX, 146-149 (2004)	2004	crystallography
842.	Winter R, Dzwolak W	Temperature-pressure configurational landscape of lipid bilayers and proteins	CELL MOL BIOL 50 (4): 397-417 JUN 2004	2004	biology
843.	Salamakha PS, Sologub OL, Rizzoli C, Hester J.R, Stepien-Damm J, Gonçalves A.P, Lopes E.B, Almeida M..	Ternary RPt ₄ B (R = La, Ce, Pr, Nd) compounds; structural and physical characterisation	Intermetallics 12 (12): 1325-1334 2004	2004	materials
844.	Senyshyn A, Oganov AR, Vasylechko L, H. Ehrenberg, U. Bismayer, M. Berkowski, A. Matkowskii	The crystal structure and thermal expansion of the perovskite-type Nd _{0.75} Sm _{0.25} GaO ₃ : powder diffraction and lattice dynamical studies	Journal of Physics-Condensed Matter 16 (3): 253-265 JAN 28 2004	2004	physics: solid state
845.	Derewenda U, Oleksy A, Stevenson AS, Korczynska J, Dauter Z, Somlyo AP, Otlewski J, Somlyo AV, Derewenda ZS	The crystal structure of RhoA in complex with the DH/PH fragment of PDZRhoGEF, an activator of the Ca ²⁺ sensitization pathway in smooth muscle	Structure 12 (11): 1955-1965 2004	2004	crystallography
846.	Czepas J, Devedjiev Y, Krowarsch D, Derewenda U, Otlewski J, Derewenda ZS	The impact of Lys→Arg surface mutations on the crystallization of the globular domain of RhoGDI	Acta Crystallographica: Section D, Feb2004, Vol. 60 Issue 2, p275-280,	2004	crystallography: biological
847.	Wojnecki R., Lawniczak-Jabłońska K., Kachniarz J., Perera R.C.,	The influence of Mn atom location on the electronic structure of Ni ₃ Al _{1-x} Mn _x alloys: LMTD calculation and x-ray spectroscopy	Journal of Alloys & Compounds, vol.362, 2004, 189-197,	2004	materials
848.	Demchenko IN, Lawniczak-Jablonska K, K.S.Zhuravlev, E.Piskorska, A.I.Nikifirov and E. Welter,	The local microstructure of Ge layers buried in silicon crystal studied by extended X-ray absorption fine structure ",	Journal of Alloys and Compounds 362(1-2), 156, 2004.	2004	materials
849.	Wang CY, Paul-Boncour V, Kang CC, Liu RS, Filipek SM, Dorogova M, Marchuk I, Hirata T, Percheron-Guegan A, Sheu HS, Jang LY, Chen JM, Yang HD	The novel YMn ₂ D ₆ deuteride synthesized under high pressure of gaseous deuterium	Solid State Communications 130 (12): 815-820 JUN 2004	2004	physics: solid state
850.	Kovacs P, Husek I, Melisek T, Grivel JC, Pachla W, Strbik V, Diduszko R, Homeyer J, Andersen NA	The role of MgO content in ex-situ MgB ₂ wires	Superconductor Science & Technology 17, L41 - 46 (2004)	2004	physics: solid state

851.	Cianci M, Helliwell JR, Moorcroft D, et al.	The role of wavelength and source in the search for sulfur-atom positions evaluated in two case studies: lysozyme at room temperature and cryo apocrustacyanin A1	Journal of Applied Crystallography 37: 555-564 Part 4 AUG 2004	2004	crystallography
852.	Cianci M, Helliwell JR, Moorcroft D, Olczak A, Raftery J, Rizkallah PJ	The role of wavelength and source in the search for sulfur-atom positions evaluated in two case studies: lysozyme at room temperature and cryo apocrustacyanin A1.	Journal of Applied Crystallography, Aug2004, Vol. 37 Issue 4, p555-564	2004	crystallography
853.	Serda P, Grochowski J, Duddeck H	The structure of marmesinin by powder and single-crystal diffraction methods	Journal of Alloys & Compounds 362 (1-2): 224-230 2004	2004	materials
854.	Jamrozik J, G. Zak, J. Grochowski, M. Markiewicz, P. Serda	The structure of substituted spirans derived from benzo-1-5-dithiepine and benzo-1-5-dioxepine systems. Ring-reversal isomers	Journal of Mol. Struct., 687, 79-86 (2004) 916	2004	crystallography
855.	Pivak Ye. , L. Vasylechko, A. Matkovskii, M. Berkowski	Thermal expansion of La _{0.92} Sr _{0.08} Ga _{0.92} Ti _{0.08} O ₃ crystal	Bull. Lviv Polytechn. Nat. Univ. Electr., 514, 142-148 (2004)	2004	science: general
856.	Senyshyn A, L. Vasylechko, A. Matkovskii	Thermal expansion of orthorhombic RGaO ₃ (R=La-Gd) perovskites	Bull. Lviv Polytechn. Nat. Univ. Electr., 514, 130-141 (2004)	2004	science: general
857.	Paszkowicz W., Minikayev R., Piszora P., Knapp M., Bahtz C., Recio J., Marques M., Mori-Sanchez P., Gerward L., Jiang Y.	Thermal expansion of spinel-type Si ₃ N ₄	Physical Review B - Condensed Matter, Vol.69, 2004, 52103-1-4,	2004	physics: solid state
858.	Senyshyn A, Vasylechko L, Knapp M, U. Bismayer, V. Berkowski, A. Matkovskii	Thermal expansion of the perovskite-type NdGaO ₃	Journal of Alloys & Compounds 382 (1-2): 84-91 2004	2004	materials
859.	Slusarczyk C	Time-resolved SAXS investigations of morphological changes in a blend of linear and branched polyethylenes during crystallization and subsequent melting	Journal of Alloys & Compounds 382 (1-2): 68-74 2004	2004	materials
860.	Szczerbowska-Boruchowska M, Lankosz M, Ostachowicz J, et al.	Topographic and quantitative microanalysis of human central nervous system tissue using synchrotron radiation	X-Ray Spectrometry 33 (1): 3-11 JAN-FEB 2004	2004	spectroscopy
861.	Stegg B., Juha L., Feldhaus J., Jacobi S., Sobierajski R., Michaelsen C., Andrejczuk A., Krzywiński J.,	Total reflection amorphous carbon mirrors for vacuum ultraviolet free electron lasers	Applied Physics Letters, vol.84, 2004, 657-659	2004	physics: applied
862.	Savyskii D, A. Matkovskii	Twin structure of La _{0.95} Sr _{0.05} Ga _{0.9} Mg _{0.1} O _{2.925} crystals.	Bull. Lviv Polytechn. Nat. Univ. Electr., 514, 72-109 (2004)	2004	science: general
863.	Plucinski L, Johnson RL, A. Fleszar, W. Hanke, W. Weigand, C. Kumpf, C. Heske, E. Umbach, T. Schallenberg, L.W. Molenkamp	Valence band electronic structure of ZnSe(001): Theory and Experiment	Physical Review B - Condensed Matter, 70, 125308 (2004)	2004	physics: solid state
864.	Olson CG, J.J. Joyce, T. Durakiewicz, Guziewicz E, and M. Butterfield	VUV and Soft X-ray Spectroscopy of Actinides"	MRS Symposium Proceedings, "Actinides-Basic Science, Applications and Technology", vol.802 (2004) 59	2004	materials

865.	Drozdowski W, A.J. Wojtowicz, D. Wisniewski, P. Szupryczynski, S. Janus, J.L. Lefaucheur, Z. Gou	VUV spectroscopy and low temperature thermoluminescence of LSO:Ce and YSO:Ce	Journal of Alloys & Compounds, 380, 146-150 (2004)	2004	materials
866.	Sobczak E., Sobczak J.W., Hasik M., Wenda E.	XAFS study of local structure in Pt-doped conjugated polymers	Applied Crystallography, ed. H. Morawiec, D. Stroz, World Scientific 2004, pp. 385-388,	2004	crystallography
867.	Sikora M, Cz. Kapusta, D. Zajac, W. Tokarz, C.J. Oates, M. Borowiec, D. Rybicki, E. Goering, P. Fischer, G. Sch utz, J.M. De Teresa, M.R. Ibarra	X-MCD magnetometry of CMR perovskites La _{0.67} -yREyCa _{0.33} MnO ₃	Journal of Magnetism & Magnetic Materials, 272-276, 21482150 (2004)	2004	materials
868.	Piskorska E., Lawniczak-Jabłońska K., Benko E., Demchenko I., Benko E., Welter E.,	X-ray absorption studies of phases formation in a Ti/TiN coating on cubic boron nitride	Journal of Alloys & Compounds, vol.362, 2004, 171-177,	2004	materials
869.	Sobczak J.W., Kosiński A., Sobczak E.,	X-ray absorption study of Pd-doped polyaniline	Proceedings XIX Conference on Applied Crystallography and Summer School on Polycrystalline Structure Determination, Poland, 01-09-2003, 2004, 377-380,	2004	crystallography
870.	Stel'makh S, Gierlotka S, Grzanka E, Weber H.-P, Palosz B	X-ray diffraction studies of thermal properties of the core and surface shell of isolated and sintered SiC nanocrystals	Journal of Alloys & Compounds 382 (1-2): 138-145 2004	2004	materials
871.	Piszora P., Paszkowicz W., Baehtz C., Wolska E.,	X-ray diffraction studies on the nature of the phase transition in the stoichiometric LiMn ₂ O ₄	Journal of Alloys & Compounds, vol.382, 2004, 119-122,	2004	materials
872.	Baranowska I, Barchanski L, Bak M, Smolec B, Mzyk Z	X-ray fluorescence spectrometry in multielemental analysis of hair and teeth	Polish Journal of Environmental Studies, 13 (6): 639-646 2004	2004	environmental sciences
873.	Wojdyr M, Gierlotka S, Y. Ivanisenko, W. Lojkowski, H.-J. Fecht,	X-Ray Investigations of the Natural and Artificial White Etching Layer	Solid State Phenomena, w druku.	2004	physics: solid state
874.	Grzanka E, Palosz B, Gierlotka S, Stelmakh S, Pielaszek R, U.Bismayer, J.Neuefeind, P.Jovari, W.Palosz	X-ray powder diffraction study of atomic structure of nanocrystalline SiC And diamond	Materials Science Forum, 443-444, 39-42 (2004)	2004	materials
875.	Wierzchowski W, Wieteska K, Graeff W, et al.	X-ray topographic investigation of large oxygen precipitates in silicon	Journal of Alloys & Compounds 362 (1-2): 301-306 2004	2004	materials
876.	Janowski R, Kozak M, M.Abrahamson, A.Grubb, Jaskolski M	3D Domain-swapped human cystatin C with amyloidlike intermolecular β -sheets.	Proteins: Structure, Function, and Bioinformatics 61, 2005 570-578	2005	biology
877.	Bacewicz R, M. Wasiucioneck, A. Twarog, J. Filipowicz, P. Jozwiak, J. Garbarczyk	A XANES study of the valence state of vanadium in lithium vanadate phosphate glasses	Journal of Materials Science 40, 1-4 (2005)	2005	materials
878.	Littner A, Francois M, Tobola J, Elkaim E, Malaman B, Vilasi M	Ab-initio crystal structure of Mo _{4+x} Ru _{9-x} Si ₅ (0 \leq x \leq 1) by synchrotron powder diffraction and electronic properties	INTERMETALLICS 13 (10): 1048-1055 OCT 2005	2005	materials

		calculation (KKR method)			
879.	Juha L, Bittner M, Chvostova D, Krasa J, Otcenasek Z, Prag AR, Ullschmied J, Pientka Z, Krzywinski J, Pelka JB, Wawro A, Grisham ME, Vaschenko G, Menoni CS, Rocca JJ	Ablation of organic polymers by 46.9-nm-laser radiation	Applied Physics Letters 86 (2005) 034109	2005	physics: applied
880.	Rabiej M, Rabiej S	Analysis of synchrotron WAXD curves of semicrystalline polymers by means of the Optifit computer program	FIBRES & TEXTILES IN EASTERN EUROPE 13 (5): 75-78 Sp. Iss. SI JAN-DEC 2005	2005	materials
881.	Rabiej M., Rabiej S	Analysis of synchrotron WAXS curves of semicrystalline polymers by means of The "OptiFit" computer program	Fibres & Textiles in Eastern Europe 2005, 13, no.5, s.75.	2005	materials
882.	Hawelek L, Koloczek J, Burian A, Dore J.C, Honkimäki V, Kyotani T.	Application of image plate for structural studies of carbon nanotubes by high-energy X-ray diffraction,	Journal of Alloys & Compounds 401 (2005) 51-54	2005	materials
883.	Walterfang M, Keune W, Schuster E, Zayak AT, P. Entel, W. Sturhahn, T. S. Toellner, E. E. Alp, P. T. Jochym, K. Parlinski	Atomic vibrational density of states of crystalline beta-FeSi ₂ and amorphous FeSi ₂ thin films	Physical Review B - Condensed Matter 71 (3): Art. No. 035309 2005	2005	physics: solid state
884.	Kowalski BJ, Orlowski BA, P. Kaczor, M. Pietrzyk, K. Kopalko, S. Mickiewicz, Johnson RL	Band structure of Mn/ZnTe studied by angle-resolved photoelectron spectroscopy	Acta Physica Polonica A 108 (2005) 735-740	2005	physics: general
885.	Laukkanen P, M.Ahola, M.Kuzmin, R.E. Perälä, I.J. Vayrynen, J. Sadowski	Bi-induced (2x6), (2x8), and (2x4) reconstructions on the InAs(100) surface	Surface Science 598, L361 (2005)	2005	surface science
886.	Kwiatk WM, Banas A, Gajda M, et al.	Cancerous tissues analyzed by SRIXE	Journal of Alloys & Compounds 401 (1-2): 173-177 2005	2005	materials
887.	Chwiej J, Fik-Mazgaj K, Szczerbowska-Boruchowska M, Lankosz M, Ostachowicz J, Adamek D, Simionovici A, Bohic S	Classification of nerve cells from substantia nigra of patients with Parkinson's disease and amyotrophic lateral sclerosis with the use of X-ray fluorescence microscopy and multivariate methods	Analytical Chemistry 77 (9): 2895-2900 MAY 1 2005	2005	chemistry
888.	Klepka M, Lawniczak-Jablonska K., Jablonski M., Wolska A., Minikayev R., Paszkowicz W., Przepiera A., Spolnik Z., Van Grieken R.	Combined XRD, EPMA and X-ray absorption study of mineral ilmenite used in pigments production	Journal of Alloys & Compounds 401, 1-2, 2005, pp.281-288	2005	materials
889.	Palosz B, Gierlotka S, A. Swiderska-Sroda, K. Fietkiewicz, G. Kalisz, Grzanka E, Stelmakh S, and W. Palosz,	Combining hard with soft materials in nanoscale under high-pressure high-temperature conditions	Innovative Superhard Materials and Sustainable Coatings for Advanced Manufacturing, Eds. J.Lee and N.Novikov, 2005 Springer, 43-62,	2005	materials
890.	Burian A, Dore JC, Hannon AC, Honkimaki V	Complementary studies of structural characteristics for carbon materials with X-rays and neutrons	Journal of Alloys & Compounds 401 (2005)18-23	2005	materials
891.	Nowak J, Florek M, Kwiatek W, Lekki J, Chevallier P, Zięba E, Mestres N, Dutkiewicz EM,	Composite structure of wood cells in petrified wood	Materials Science & Engineering C-BIO S 25 (2): 119-130 APR 28 2005	2005	materials

	Kuczumow A		119-130 APR 28 2005		
892.	Savytskii D, L. Vasylechko, U. Bismayer, C. Paulmann, M. Berkowski	Configuration of twin walls in LSGMO	Fuel Cell Technologies: State & Perspectives, NATO Science Series, N. Sammes and O. Vasyliev, Kluwer Academic Publishers, Boston/Dordrecht/London 202, 135-147 (2005)	2005	technology
893.	Vasylechko L, Pivak Y, Senyshyn A, et al.	Crystal structure and thermal expansion of PrGaO ₃ in the temperature range 12-1253 K	Journal of Solid State Chemistry 178 (1): 270-278 JAN 2005	2005	crystallography
894.	Pasternak O, J.Biesiadka, R.Dolot, Bujacz G, M.M.Sikorski, Jaskolski M	Crystal structure of a yellow lupine pathogenesis-related PR-10 protein belonging to a novel subclass.	Acta Crystallographica D: Biological Crystallography 61, 2005 99-107	2005	crystallography: biological
895.	Li M, G.Laco, Jaskolski M, J.Rozycki, J.Alexandratos, A.Wlodawer, A.Gustchina	Crystal structure of HTLV protease: From treating AIDS to fighting cancer.	Proc. Natl. Acad. Sci. USA 102, 2005 18332-18337	2005	physics: general
896.	Michalska K, K.Brzezinski, Jaskolski M	Crystal structure of isoaspartyl aminopeptidase in complex with L-aspartate.	Journal of Biol. Chem. 280, 2005 28484-28491	2005	physics: applied
897.	Shalimov A, J. Bak-Misiuk, J. Kaniewski, J. Trela, W.Wierzchowski, K.Wieteska, W. Graeff	Defect structure of InAlAs/InP layers	Journal of Alloys & Compounds, 401, 221-225 (2005)	2005	materials
898.	Sass J, Mazur K, Eichhorn F, Strupiński W, Turos A, Schell N	Determination of In concentration in InGaAs/GaAs 001 epilayers in the early stage of anisotropic stress relaxation.	Journal of Alloys & Compounds, Sep2005, Vol. 401 Issue 1/2, p249-253,	2005	materials
899.	Jablonska A, Burian A, Metzger TH, LeBolloc'h D, Hamilton M, Raoux D.	Differential anomalous X-ray scattering studies of amorphous In-Se	Journal of Alloys & Compounds 401 (2005) 41-45	2005	materials
900.	Kmiec D, Sepiol B, Sladeczek M, et al.	Diffusion of iron in a near-surface of Fe ₃ Si investigated by-nuclear resonant scattering of synchrotron radiation	Defect Diffus Forum 237-240: 1222-1224 2005	2005	physics: solid state
901.	Kozak M	Direct comparison of the crystal and solution structure of glucose/xylose isomerase from Streptomyces rubiginosus	Protein & Peptide Letters 12 (6): 547-550 AUG 2005	2005	biology
902.	Kuepper K, Bondino F, Prince KC, et al.	Direct investigation of orbital ordering in a colossal magnetoresistance manganite by means of X-ray linear dichroism at the Mn L edge	Journal of Physical Chemistry B 109 (33): 15667-15670 AUG 25 2005	2005	chemistry: physical
903.	Laukkanen P, Kuzmin M, Perala RE, M. Ahola, S. Mattila, and I. J. Väyrynen, J. Sadowski, J. Konttinen, T. Jouhti, C. S. Peng, M. Saarinen, M. Pessa	Electronic and structural properties of GaAs(100)(2x4) and InAs(100)(2x4) surfaces studied by core-level photoemission and scanning tunneling microscopy	Physical Review B - Condensed Matter 72 (4): Art. No. 045321 2005	2005	physics: solid state
904.	Banas A, K. Banas, G. Falkenberg, W.M. Kwiatek	Elemental mapping of prostate tissue by micro-SRIXE	Acta Physica Polonica A 2005/06	2005	physics: general
905.	Kuck S, Sokolska I, Henke M, T. Scheffler, and E. Osic	Emission and excitation characteristics and internal quantum efficiencies of vacuum-ultraviolet excited Pr ³⁺ -doped fluoride compounds	Physical Review B - Condensed Matter 71 (16): Art. No. 165112 2005	2005	physics: solid state

		compounds			
906.	Laarmann T, Rusek M, Wabnitz H, J. Schulz, A. R. B. de Castro, P. Gürtler, W. Laasch, and T. Möller	Emission of thermally activated electrons from rare gas clusters irradiated with intense VUV light pulses from a free electron laser	Physical Review Letters 95 (6): art. no. 063402 AUG 5 2005	2005	physics: general
907.	Wilhelm H, Paris A, Schafler E, Bernstorff S, Bonarski J, Ungar T, Zehetbauer M.J..	Evidence of dislocations in melt-crystallised and plastically deformed polypropylene.	Materials Science & Engineering: A, Dec2004, Vol. 387-389, p1018-1022,	2005	materials
908.	Swilem Y, Sobczak E, Nietubyc R, Slawska-Waniewska A	EXAFS analysis of nanocrystallization process in Fe85Zr7B6Cu2 alloys by using cumulant method	Physica B-Condensed Matter 364 (2005) 71-77	2005	physics: condensed matter
909.	Handke B, Kozłowski A, Parlinski K, Przewoznik J, Slezak T, Chumakov AI, Niesen L, Kakol Z, Korecki J	Experimental and theoretical studies of vibrational density of states in Fe3O4 single-crystalline thin films	Physical Review B - Condensed Matter 71 (14): Art. No. 144301 2005	2005	physics: solid state
910.	Sobierajski R, Krzywinski J, Andrejczuk A, Hahn U, Treusch R, Jurek M, Klinger D, Nietubyc R, Pelka JB, Reniewicz H, Sikora M, Sobala W	Experimental station to study the interaction of intense femtosecond vacuum ultraviolet pulses with matter at TTF1 free electron laser	Review of Scientific Instruments 76 (2005) 013909	2005	sources instruments
911.	Winter R, Dzwolak W	Exploring the temperature-pressure configurational landscape of biomolecules: from lipid membranes to proteins	Philosophical Transactions ROY SOC A : Mathematical, Physical & Engineering Sciences 363 (1827): 537-562 FEB 15 2005	2005	physics: general
912.	Orłowski BA, Kowalski BJ, P. Dziawa	Fano resonance of Eu ²⁺ and Eu ³⁺ in (Eu,Gd)Te MBE layers	Acta Physica Polonica A 108 (2005) 803	2005	physics: general
913.	Orłowski BA, Kowalski BJ, Dziawa P, Pietrzyk M, S. Mickievicius, I.A. Kowalik, V.Osinniy, B. Taliashvili, T. Story, Johnson RL	Fano resonance of Eu ²⁺ and Eu ³⁺ in (Eu,Gd)Te MBE layers	Acta Physica Polonica A 108 (2005) 803-807	2005	physics: general
914.	Piccinini M, Guidi MC, Marcelli A, Calvani P, Burattini E, Nucara A, Postorino P, Sacchetti A, Arcangeletti E, Sheregii E, Polit J, Kisiel A	Far-infrared synchrotron radiation spectroscopy of solids in normal and extreme conditions	Physica-Status-Solidi-C. 2005; (1): 236-239	2005	physics: solid state
915.	Strocov VN, Cirlin GE, Sadowski J, J Kanski, R Claessen	GaSb/GaAs quantum dot systems: in situ synchrotron radiation x-ray photoelectron spectroscopy study	NANOTECHNOLOGY 16 (8): 1326-1334 AUG 2005	2005	technology
916.	Kozak M	Glucose isomerase from Streptomyces rubiginosus - potential molecular weight standard for small-angle X-ray scattering	Journal of Applied Crystallography 38: 555-558 Part 3 JUN 2005	2005	crystallography
917.	Nowicki W, Darul J, Piszora P, et al.	High resolution diffraction studies with synchrotron radiation on the structure of Li _{0.95} Mn _{2.05} O ₄ spinel	Journal of Alloys & Compounds 401 (1-2): 55-59 2005	2005	materials
918.	Orłowski BA, Mickievicius S, Osinniy V,A. Nadolny, B. Taliashvili, P. Dziawa, T. Story, R. Medicherla, W. Drube	High-energy x-ray photoelectron spectroscopy study of MBE grown (Eu, Gd) Te layers	Nuclear Instruments and Methods in Physics Research, Section B (Beam Interactions with Materials and Atoms) 238 (1-4): 346-352 2005	2005	sources instruments

919.	Sladeczek M, Sepiol B, Korecki J, et al.	Hyperfine relaxation in an iron submonolayer	Defect Diffus Forum 237-240: 1225-1229 2005	2005	physics: general
920.	Chwiej J, Szczerbowska-Boruchowska M, Wojcik S, Lankosz M, Chlebda M, Adamek D, Tomik B, Setkowicz Z, Falkenberg G, Stegowski Z, Szczudlik A.	Implementation of X-ray fluorescence microscopy for investigation of elemental abnormalities in central nervous system tissue	Journal of Alloys & Compounds 401 (1-2): 184-188 2005	2005	materials
921.	Tomik B, J. Chwiej, M. Szczerbowska-Boruchowska, M. Lankosz, S. Wojcik, D. Adamek, G. Falkenberg, S. Bohic, A. Simionovici, Z. Stegowski, A. Szczudlik	Implementation of X-ray fluorescence microscopy for investigation of elemental abnormalities in Amyotrophic Lateral Sclerosis	Neurochemical Research, accepted (2005) 31 (2006) 321-331.	2005	medicine
922.	Tomik B, Z. Setkowicz, G. Falkenberg, Z. Stegowski, A. Szczudlik	Implementation of x-ray fluorescence microscopy for investigation of elemental abnormalities in central nervous system tissue	Journal of Alloys & Compounds, 401, 184-188 (2005)	2005	materials
923.	Piszora P	Inequality of quenched and high temperature structure of lithium deficient LiMn2O4	Journal of Alloys & Compounds 401 (1-2): 34-40 2005	2005	materials
924.	Kirm M, A. Andrejczuk, J. Krzywinski, R. Sobierajski	Influence of excitation density on luminescence decay in Y3Al5O12 : Ce and BaF2 crystals excited by free electron laser radiation in VUV	Physica Status Solidi (c), 2, 649-652 (2005)	2005	physics: solid state
925.	Azioune A, Sirofi F, Tanguy J, Jouini M, Chehimi MM, Miksa B, Slomkowski S	Interactions and conformational changes of human serum albumin at the surface of electrochemically synthesized thin polypyrrole films	Electrochimica Acta 50 (7-8): 1661-1667 2005	2005	chemistry
926.	Wierzbanski K, Baczmanski A, Wawszczak R, et al.	Internal stress and stored energy in recrystallized copper	ARCH METALL MATER 50 (1): 201-208 2005	2005	materials
927.	Szczerbowska-Boruchowska M, Chwiej J, Lankosz M, et al.	Intraneuronal investigations of organic components and trace elements with the use of synchrotron radiation	X-Ray Spectrometry 34 (6): 514-520 NOV-DEC 2005	2005	spectroscopy
928.	Tyszka B, Szade J, Burian W, et al.	Investigation of Gd compounds using synchrotron radiation	Journal of Alloys & Compounds 401 (1-2): 165-172 2005	2005	materials
929.	Godowski PJ, Onsgaard J, Gagor A, Kondys M, Li ZS	Investigation of the CO+NO reaction over the Cu(001) surface	Chemical Physics Letters 406 (4-6): 441-445 2005	2005	physics: chemical
930.	Wierchowski W, Wieteska K, Graeff W, et al.	Investigation of the defects distribution along the growth direction in GdCOB crystals by synchrotron and conventional X-ray topography	Journal of Alloys & Compounds 401 (1-2): 69-74 2005	2005	materials
931.	Mrocza R, Zukocinski G, Kuczumow A	Investigations of X-ray metallic capillaries	Journal of Alloys & Compounds 401 (1-2): 108-117 2005	2005	materials
932.	Kwiatk WM, Banas A, Banas K, et al.	Iron and other elements studies in cancerous and non-cancerous prostate tissues	Journal of Alloys & Compounds 401 (1-2): 178-183 2005	2005	materials
933.	Walczak M, Lawniczak-Jablonska K, A. Sienkiewicz, I.N. Demczenko, E. Piskorska, G.	Local environment of iron in malarial pigment and its substitute beta-hematin	Nuclear Instruments and Methods in Physics Research, Section B (Beam	2005	sources instruments

	Chatain, D.S. Bohle	and its substitute beta-hematin	Interactions with Materials and Atoms) 238, 32-38 (2005)		instruments
934.	Bacewicz R, A. Twarog, A. Malinowska, T.Wojtowicz, X. Liu, J.K. Furdyna	Local structure of Mn in (Ga,Mn)As probed by X-ray spectroscopy	Journal of Physics & Chemistry of Solids, in press (2005)	2005	physics & chemistry: solid state
935.	Waskowska A.,L. Gerward, J.S. Olsen, M. Maczka, T. Lis, A. Petraszko, W. Morgenroth	Low temperature and high pressure structural behaviour of NaBi(MoO ₄) ₂ - an X-ray diffraction study.	Journal of Solid State Chemistry 178, 2218-2224 (2005)	2005	chemistry: solid state
936.	Mikhailik VB, Kraus H, Balcerzyk M, et al.	Low-temperature spectroscopic and scintillation characterisation of Ti-doped Al ₂ O ₃	Nuclear Instruments and Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment) 546 (3): 523-534 JUL 11 2005	2005	sources instruments
937.	Zubek M, Thompson DB, Bolognesi P, et al.	Measurements of angular distribution for photoionization of mercury into the 5d(9) D-2(5/2) ionic state over the energy range from 15 eV to 17 eV	Journal of Physics B-AT MOL OPT 38 (11): 1657-1665 JUN 14 2005	2005	physics: general
938.	Gierlotka S, Palosz B, A.Świdarska-Środa, Grzanka E, G.Kalisz, R.Fedyk, Stelmakh S	Metal-ceramics nanocomposites prepared by high-pressure high-temperature infiltration	Solid State Phenomena 101-102, 157-164 (2005).	2005	physics: solid state
939.	Kwiatk WM, A. Banas, K.Banas, G. Dyduch, C. Paluszkiwicz, M. Podgorczyk	Micro and bulk analysis of prostate tissues classified as hyperplasia	Spectrochimica Acta B, submitted (2005) 1229	2005	spectroscopy
940.	Bartnik A, Fiedorowicz H, Jarocki R, et al.	Micromachining of organic polymers by X-ray photo-etching using a 10 Hz laser-plasma radiation source	MICROELECTRON ENG 78-79: 452-456 Sp. Iss. SI MAR 2005	2005	materials
941.	Wrobel A, Rokita E, Thor P	Microprobe studies of the uric acid calculi	TRACE ELEMENTS AND ELECTROLYTES 22 (4): 296-300 2005	2005	chemistry
942.	Palosz B, Grzanka E, C. Pantea, T. W. Zerda, Y. Wang, J. Gubicza, T. Ungar	Microstructure of nanocrystalline diamond powder studied by powder diffractometry	Journal of Applied Physics, 97, 064316 (2005).	2005	physics: applied
943.	Guziewicz E, K.Kopalko, J.Sadowski, M. Guziewicz, Z. Golacki, J. Kanski, L. Ilver	Mn on the surface of ZnO(0001) – a resonant photoemission study“	Physica Scripta vol. T115 (2005) 541-544	2005	physics: general
944.	Koloczec J, Hawelek L, Burian A, Dore J.C, Honkimäki, V, Kyotani, T.	Modelling studies of carbon nanotubes— Comparison of simulations and X-ray diffraction data,	Journal of Alloys & Compounds 401 (2005) 46-50	2005	materials
945.	Littner A, Francois M, Tobola J, Elkaim E, Malaman B, Vilasi M	Molten glass corrosion resistance of new Mo-Ru-Si compounds	Materials and Corrosion-Werkstoffe und Korrosion 56 (11): 796-800 NOV 2005	2005	materials
946.	Rzadkiewicz J, Chmielewska D, Sujkowski Z, Berset M, Dousse JC, Maillard Y.-P, Mauron O, Raboud P.-A, Polasik M, Słabkowska K, Hoszowska J, Pajek M..	Natural widths of hypersatellite K-X-ray lines and lifetimes of double K-hole states in mid-Z atoms.	Nuclear Instruments & Methods in Physics Research Section B, Jul2005, Vol. 235 Issue 1-4, p110-115, 6p; DOI: 10.1016/j.nimb.2005.03.155; (AN 17926314)	2005	sources instruments

			(AN 17926314)		
947.	Petit M, Baca D, Arabasz S, Bideux, L, Tsud, N, Fabik, S, Gruzza, B, Chab, V, Matolin, V, Prince, K.C.	Nitridation of InP(100) surface studied by synchrotron radiation	Surface Science 583 (2-3): 205-212 2005	2005	surface science
948.	Pikul A, D. Kaczorowski, Z. Bukowski, G. Gofryk, U. Burkhardt, Yu. Grin, F. Steglich	On the localization of magnetic moments of cerium in single crystalline CePt ₄ In	Physical Review B - Condensed Matter, accepted (2005)	2005	physics: solid state
949.	Karbowiak M, A. Mech, W. Ryba-Romanowski	Optical properties of Eu ³⁺ : CsGd ₂ F ₇ downconversion phosphor	Journal of Luminescence 114, 65-70 (2005)	2005	optics
950.	Misiuk A., Surma H.B., Londos A., Bak-Misiuk J., Wierzchowski W., Wieteska K., Graeff W.,	Oxygen precipitation and creation of defects in neutron irradiated Cz-Si annealed under high pressure	Physica Status Solidi C, vol.2 (2005) 1812-1816	2005	physics: condensed matter
951.	Szade J, Tyszka B, Burian W	Photoemission investigation of GdTiGe	Journal of Alloys & Compounds 401 (1-2): 160-164 2005	2005	materials
952.	Adell M, Ilver L, Kanski J, Stanciu V, Svedlindh P, Sadowski J, Domagala JZ, Terki F, Hernandez C, Charar S	Postgrowth annealing of (Ga,Mn)As under As capping: An alternative way to increase T-C	Applied Physics Letters, vol.86 (11) (2005) 112501-1-3,	2005	physics: applied
953.	Chwiej J, Szczerbowska-Boruchowska M, Lankosz M, Wojcik S, Falkenberg G, Stegowski Z, Setkowicz Z	Preparation of tissue samples for X-ray fluorescence microscopy	Spectrochimica Acta B 60 (12): 1531-1537 2005	2005	spectroscopy
954.	Kuck S, Sokolska I, Henke M, et al.	Quantum efficiency of (1)So and P-3(0,1) levels of Pr ³⁺ doped YF ₃	Chemical Physics 310 (1-3): 139-144 APR 4 2005	2005	physics: chemical
955.	Wierzbowski K, Baczmanski A, Wawszczak R, Tarasiuk J, Gerber P, Bacroix B, Lodini A	Residual stress and stored energy during recrystallisation in polycrystalline copper	Materials Science & Technology-LOND 21 (1): 46-52 2005	2005	materials
956.	Szade J, Burian W, Celinski Z, et al.	Resonance induced divalent Eu states in EuF ₃ ultrathin layer	Surface Science 580 (1-3): 163-166 2005	2005	surface science
957.	Plucinski L, Learmonth T, Colakerol L, Bernardis S, Zhang YF, Glans PA, Smith KE, Zakharov AA, Nyholm R, Grzegory I, Suski T, Porowski S, Friel I, Moustakas TD	Resonant shake-up satellites in photoemission at the Ga 3p photothreshold in GaN	Solid State Communications 136 (4): 191-195 2005	2005	physics: solid state
958.	Szlachetko J, Berset M, Dousse JC, , Fennane K, Szlachetko M, Barrett R, Hoszowska J, Kubala-Kukus A, Pajek M	Resonant x-ray Raman scattering for Al, Si and their oxides	Nuclear Instruments and Methods in Physics Research, Section B (Beam Interactions with Materials and Atoms) 238 (1-4): 353-356 2005	2005	sources instruments
959.	Bak-Misiuk J, Shalimov A, Misiuk A, Hartwig J, Trela J	Revealing the structural disturbances in Czochralski silicon by high temperature-pressure treatment.	Journal of Alloys & Compounds, Sep2005, Vol. 401 Issue 1/2, p64-68,	2005	materials
960.	Juha L., Bittner M., Chvostová D., Krása J., Kozlová M., Pfeifer M., Polan J., Präg A.R., Rus B., Stupka M., Feldhaus J., Létal V., Otcenasek Z., Krzywinski J.,	Short-wavelength ablation of molecular solids: pulse duration and wavelength effects	Journal of Microlith. Microfab. Microsyst. 4, 033007 (2005)	2005	materials

	Nietubyc R., Pelka J.B., Andrejczuk A., Sobierajski R., Ryc L., Boody F.P., Fiedorowicz H., Bartnik A., Mikołajczyk J., Rakowski R., Kubát P., Pína L., Horváth M., Grisham M.E., Vaschenko G.O., Menoni C.S., and Rocca J.J.				
961.	Eriksson M, Osan J, Jernstrom J, et al.	Source term identification of environmental radioactive Pu/U particles by their characterization with non-destructive spectrochemical analytical techniques	Spectrochimica Acta B 60 (4): 455-469 APR 29 2005	2005	spectroscopy
962.	Modrzynski M, Zawisza E	Specific nasal provocation tests, in patients hypersensitive to cat and dog allergens	MEDYCYNA WETERYNARYJNA 61 (8): 890-893 AUG 2005	2005	medicine
963.	Odintsov SG, Sabala I, Bourenkov G, Rybin V, Bochtler M	Staphylococcus aureus Aminopeptidase S Is a Founding Member of a New Peptidase Clan.	Journal of Biological Chemistry, 7/29/2005, Vol. 280 Issue 30, p27792-27799,	2005	chemistry: biological
964.	Bednarczyk P, Banu A, Beck T, et al.	Status of the rising project at relativistic energies	Acta Physica Polonica B 36 (4): 1235-1244 APR 2005	2005	physics: general
965.	Wiesinger G, Paul-Boncour V, Filipek SM, et al.	Structural and magnetic properties of RFe ₂ Dx deuterides (R = Zr, Y and x >= 3.5) studied by means of neutron diffraction and Fe-57 Mossbauer spectroscopy	Journal of Physics-Condensed Matter 17 (6): 893-908 FEB 16 2005	2005	physics: solid state
966.	Koloczek J, A. Brodka, A. Burian, J.C. Dore, V. Honkimaki, T. Kyotani,	Structural studies of carbon nanotubes obtained by template deposition using highenergy X-ray scattering	Diamond and Related Materials, (2005) in print	2005	materials
967.	Burian A, Dore JC, Kyotani T, Honkimaki V	Structural studies of oriented carbon nanotubes In alumina channels using high-energy X-ray diffraction	Carbon 43 (2005) 2723-2729	2005	materials
968.	Eichhorn F, Gaca J, Heera V, et al.	Structural studies on ion-implanted semiconductors using X-ray synchrotron radiation: Strain evolution and growth of nanocrystals	Vacuum 78 (2-4): 303-309 MAY 30 2005	2005	cryst growth
969.	Sniechowski M, Luzny W, Djurado A, Dufour B, Rannou P, Pron A, Bee M, Johnson M, Gonzales M	Structure and dynamics of plast-doped conducting polyaniline compounds	FIBRES & TEXTILES IN EASTERN EUROPE 13 (5): 96-99 Sp. Iss. SI JAN-DEC 2005	2005	materials
970.	Glowka ML, Olczak A, Bojarska J, Szczesio M, Duax W. L., Burkhart BM, Pangborn W. A, Langs D. A, Wawrzak Z	Structure of gramicidin D-RbCl complex at atomic resolution from low-temperature synchrotron data: interactions of double-stranded gramicidin channel contents and cations with channel wall	Acta Crystallographica D: Biological Crystallography 61: 433-441 2005	2005	crystallography: biological
971.	Grazulis S, Manakova E, Roessle M, Bochtler M, Tamulaitiene G, Huber R, Siksnys V	Structure of the metal-independent restriction enzyme Bfil reveals fusion of a specific DNA-binding domain with a nonspecific nuclease.	Proceedings of the National Academy of Sciences of the United States of America, 11/1/2005, Vol. 102 Issue 44, p15797-15802	2005	physics: general
972.	Pivak Ye, L. Vasylechko, A. Senyshyn, M. Berkowski, M. Knapp	Structure, thermal expansion and phase transition in La _{0.92} Sr _{0.08} Ga _{0.92} Ti _{0.08} O ₃ single crystal	Fuel Cell Technologies: State & Perspectives, NATO Science Series, N. Sammes and O. Vasyliiev, Kluwer	2005	technology

			Academic Publishers, Boston/Dordrecht/London, 202, 287-293 (2005)		
973.	Rokita E, Chevallier P, Mutsaers PHA, Tabor Z, Wróbel A	Studies of crystal orientation and calcium distribution in trabecular bone	Nuclear Instruments and Methods in Physics Research, Section B (Beam Interactions with Materials and Atoms) 240 (1-2): 69-74 OCT 2005	2005	sources instruments
974.	Kowalski BJ, Kowalik IA, Iwanowski RJ, Sadowski J, Kanski J, Orłowski BA, Ghijsen J, Mirabella F, Lusakowska E, Perlin P, Porowski S, Grzegory I, Leszczynski M	Surface and electronic structure of Ga _{0.92} In _{0.08} N thin film investigated by photoelectron spectroscopy	Thin Solid Films 476 (2005) 396-404	2005	surface science
975.	Wieteska K, W. Wierzchowski, A. Misiuk, B. Surma, W. Graeff, I. Antonova, M. Pruszczyk	Synchrotron topographic and photoluminescence investigation of porous layer in HP-HT treated silicon implanted with deuterium ions	Physica Status Solidi (c), 2, 3471-3475 (2005)	2005	physics: solid state
976.	Wieteska K, Wierzchowski W, Graeff W, et al.	Synchrotron white beam topography studies of SrLaGaO ₄ crystals	Journal of Alloys & Compounds 401 (1-2): 75-79 2005	2005	materials
977.	Wierzchowski W, Wieteska K, Graeff W, et al.	Synchrotron X-ray investigation of La _{0.3} Sr _{0.4} Al _{0.65} Ta _{0.35} O ₃ crystals	Crystal Research & Technology 40 (4-5): 517-522 APR 2005	2005	crystal growth
978.	Darul J, Nowicki W, Piszora P, et al.	Synchrotron X-ray powder diffraction studies on the order-disorder phase transition in lithium ferrites	Journal of Alloys & Compounds 401 (1-2): 60-63 2005	2005	materials
979.	Gierlotka S. Palosz B.F., Swiderska-Sroda A., Grzanka E., Kalisz G., Fietkiewicz K., Stelmakh S., Lathe Ch.,	Synthesis of metal-ceramic nanocomposites by high-pressure infiltration”,	Solid State Phenomena, Vols. 101-102 (2005), 157-164.	2005	physics: solid state
980.	Klik MAJ, Gregorkiewicz T, Yassievich IN, et al.	Terahertz modulation of the blue photoluminescence in ZnSe	Physical Review B - Condensed Matter 72 (12): Art. No. 125205 2005	2005	physics: solid state
981.	Rabiej S	The influence of side branches on the structure of crystalline phase in ethylene-1-alkene copolymers	EUR POLYM J 41 (2): 393-402 FEB 2005	2005	materials
982.	Zajdel P, Kisiel A, J. Warczewski, J. Konior, L.I Koroleva, J. Krok-Kowalski, P. Gusin, E. Burattini, G. Cinque, A. Grilli, R.V. Demin	The influence of the concentration of Sb ions onto the local crystal and electronic structures of CuCr _{2-x} Sb _x S ₄ (x = 0.3, 0.4, 0.5) studied by XANES and EXAFS measurements and LAPW numerical calculations	Journal of Alloys & Compounds 401, 145 (2005)	2005	materials
983.	Vall-Iloera G, Ruiz JA, Erman P, et al.	The np sigma, pi to EF emission systems in D-2 studied by selective excitation	Journal of Physics B-AT MOL OPT 38 (6): 659-664 MAR 28 2005	2005	physics: general
984.	Cointe MBL, Collet E, Guerin L, Lemee-Cailleau MH, Cailleau H, Wulff M, Luty T, Koshihara S, Tanaka K	Time-resolved X-ray diffraction: a wonderful tool for probing structural photo-induced phase transitions	Journal of Luminescence 112 (1-4): 235-241 APR 2005	2005	optics
985.	Plucinski Li, W. Weigand, C. Kumpf, C. Heske, R. Kosuch, T.	Two-fold symmetry in the surface electronic structure of ZnSe(001)-c(2x2): Theory and	Surface Science 585, 95-100 (2005) 95	2005	surface science

	Schallenberg, L.W. Molenkamp, E. Umbach, Johnson RL	experiment	100 (2005) 95		science
986.	Pasternak O, Bujacz GD, Y.Fujimoto, Y.Hashimoto, M.M.Sikorski, Jaskolski M	Unusual zeatin binding revealed by atomic-resolution structure of cytokinin-specific binding protein.	The Plant Cell, 2005 submitted	2005	biology
987.	Polit J., Kisiel A, Mycielski A, Marcelli A, Sheregii E, Cebulski J, Piccinini M, Cestelli-Guidi M, Robouch BV, Nucara A	Vibrational spectra of hydrogenated CdTe	Physica-Status-Solidi-C. 2005; (3): 1147-54	2005	physics: solid state
988.	Twarog A, R. Bacewicz, A. Kozanecka,W. Wrobel, F. Krok, I. Abrahams	XAFS study of BIMEVOX ionic conductors for ME = Mg, Si, Zr, Zn	Physica Scripta T115, 318-319 (2005)	2005	physics: general
989.	Wolska A, Molak A, Lawniczak-Jablonska K, Kachniarz J, Piskorska E, Demchenko I, Gruszka I, Lindle DW	XANES Mn K edge in NaNbO3 based ceramics doped with Mn and Bi ions	Physica Scripta T115, 989-991 (2005)	2005	physics: general
990.	Dziedzic-Kocurek K, Banas A, Kwiatek WM, Stanek J	X-ray absorption near edge structure and Mossbauer spectroscopy in study of iron valence states in tissues	Acta Physica Polonica A 109 (2006) 341-345 MAR	2005	physics: general
991.	Kuczumow A, Genty D, Chevallier P, et al.	X-ray and electron microprobe investigation of the speleothems from Godarville tunnel	X-Ray Spectrometry 34 (6): 502-508 NOV-DEC 2005	2005	spectroscopy
992.	Szydłowska-Czerniak A, Karlovits G, Lach M, et al.	X-ray diffraction and differential scanning calorimetry studies of beta' -> beta transitions in fat mixtures	FOOD CHEMISTRY 92 (1): 133-141 2005	2005	chemistry
993.	Gerward L, Jiang JZ, Olsen JS, et al.	X-ray diffraction at high pressure and high or low temperature using synchrotron radiation - Selected applications in studies of spinel structures	Journal of Alloys & Compounds 401 (1-2): 11-17 2005	2005	materials
994.	Wierzychowski W, Wieteska K, Graeff W, et al.	X-ray diffraction studies of GaAs implanted with 1.5 MeV Se+ ions	Vacuum 78 (2-4): 569-575 MAY 30 2005	2005	cryst growth
995.	Mickevičius S, Orłowski BA, M. Andrulevičius, S. Tamulevičius, J. Puico, L.T. Baczewski, A. Maneikis	X-ray photoelectron spectroscopy study of MBE grown Gd/EuTe multilayers	Journal of Alloys & Compounds, 401, 150-154 (2005)	2005	materials
996.	Juha L, Bittner M, Chvostova D, Letal V, Krasa J, Otcenasek Z, Kozlova M, Polan J, Prag AR, Rus B, Stupka M, Krzywinski J, Andrejczuk A, Pelka JB, Sobierajski R, Ryc L, Feldhaus J, Boody FP, Grisham ME, Vaschenko GO, Menoni CS, Rocca JJ	XUV-laser induced ablation of PMMA with nano-, pico-, and femtosecond pulses	Journal of Electron Spectroscopy and Related Phenomena 144 (2005) 929-932 Sp. Iss.	2005	spectroscopy
997.	Guziewicz E, K. Kopalko, J. Sadowski, M. Guziewicz, Z. Gołacki	Zn(Mn)O surface alloy studied by synchrotron radiation photoemission"	Acta Physica Polonica A 108 (2005) 689-696	2005	physics: general
998.	Butterfield MT, T. Durakiewicz, J.J. Joyce, I.D. Prodan, G.E. Scuseria, Guziewicz E, J.A. Sordo, K.N. Kudin, R.L. Martin, A.J. Arko, K.S. Graham, D.P. Moore, and L.A. Morales	A comparison of hybrid density functional theory with photoemission of surface oxides of delta plutonium"	Surface Science 600 (2006) 1637-1640	2006	surface science

999.	Guziewicz E, T. Durakiewicz, P.M. Oppeneer, J.J. Joyce, J.D. Thompson, C.G. Olson, M.T. Butterfield, A.Wojakowski, D.P. Moore, and A.J. Arko	Angle resolved photoemission study of dispersive and narrow-band 5f states in UAsSe"	Physical Review B - Condensed Matter 73 (2006) 155119 (1-10)	2006	physics: solid state
1000.	Andriyevsky B, Esser N, Patryn A, Cobet C, Ciepluch-Trojanek W, Romanyuk M	Band structure and UV optical spectra of TGS crystals in the range of 4-10 eV	PHYSICA B 373 (2): 328-333 MAR 15 2006	2006	physics: general
1001.	Lankinen A, Tuomi T, Karilahti M, Zytikiewicz ZR, Domagala JZ, McNally PJ, Sun YT, Olsson F, Lourdudoss S	Crystal defects and strain of epitaxial InP layers laterally overgrown on Si	Crystal Growth & Design 6 (5): 1096-1100 2006	2006	crystal growth
1002.	Michalska K, Bujacz G, Jaskolski M	Crystal structure of plant asparaginase.	Journal of Molecular Biology 2006 accepted	2006	biology
1003.	Kwiatk WM, Banas A, Banas K, Podgorczyk M, Dyduch G, Falkenberg G, Gajda M, Cichocki T	Distinguishing prostate cancer from hyperplasia	Acta Physica Polonica A 109 (2006): 377-381 MAR	2006	physics: general
1004.	Guziewicz E, T. Durakiewicz, C.G. Olson, J.J. Joyce, M.T. Butterfield, A.J. Arko, J.L. Sarrao, A. Wojakowski	Electronic structure of layered uranium compounds from photoemission spectroscopy"	Surface Science 600 (2006) 1632-1636	2006	surface science
1005.	Bauer ED, T. Durakiewicz, M.T. Butterfield, Guziewicz E, J.J. Joyce, C.G. Olson, L.A. Morales, J.L. Sarrao, J.D. Thompson	Electronic structure of UCoGa5 and PuCoGa5"	Materials Research Society Symposium Proceedings: submitted	2006	materials
1006.	Wasiucionek M, Garbarczyk J, Bacewicz R, Jozwiak P, Nowinski JL	EXAFS/XANES studies of the local structure of amorphous ionic and electronic-ionic conductors	Materials Science-Poland 24 (1): 181-186 2006	2006	materials
1007.	Sheregii E, J. Polit, J. Cebulski, P. Śliż, Kisiel A, M. Piccinini, A. Marcelli, Robouch BV, M. Castelli-Guidi, P. Calvani,	First interpretation of phonon spectra of quaternary solid solutions using fine structure far-IR reflectivity by synchrotron radiation	Infrared Physics & Technology, (2006) - in press	2006	physics: solid state
1008.	Medway SL, Lucas CA, Kowal A, Nichols R.J, Johnson D	In situ studies of the oxidation of nickel electrodes in alkaline solution	Journal of Electroanalytical Chemistry 587 (1): 172-181 FEB 1 2006	2006	chemistry
1009.	Joyce JJ, J.M. Wills, T. Durakiewicz, M.T. Butterfield, Guziewicz E, K.S. Graham, J.L. Sarrao, A.J. Arko, E.D. Bauer, D.P. Moore, L.A. Morales and O. Eriksson	Localized and itinerant states in Pu materials"	MRS Proceedings (submitted)	2006	materials
1010.	Zych E, Trojan-Piegza J	Low-temperature luminescence of Lu2O3 : Eu ceramics upon excitation with synchrotron radiation in the vicinity of band gap energy	Chemistry of Materials 18 (8): 2194-2199 APR 18 2006	2006	chemistry
1011.	Kwiatk WM, A. Banas, K. Banaś, G. Cinque, G. Dyduch, G. Falkenberg, Kisiel A, A. Marcelli, M. Podgórczyk	Micro and bulk analysis of prostate tissues clasified as hyperplasia	Proc. Internat. Conf. X-ray Optics and Microanalysis, Frascati Roma, (2006) – in press	2006	spectroscopy
1012.	Zajdel P, Kisiel A, J. Polit, Robouch BV, E.M. Sheregii, J. Warczewski, J. Cebulski, E.	Model considerations on hydrogen distribution in hydrogenated CdTe	Journal of Alloys & Compounds (2006) - in press	2006	materials

	Burattini, A. Marcelli, M. Castelli-Guidi, M. Piccinini, Mycielski A		press		
1013.	Jaskolski M, M.Li, G.Laco, A.Gustchina, A.Wlodawer	Molecular replacement with pseudosymmetry and model dissimilarity: a case study.	Acta Crystallographica D: Biological Crystallography 62, 2006208-215.	2006	crystallography: biological
1014.	Lewerenz HJ, Jakubowicz J, Jungblut H	Nascent, metastable and induced nanostructures on silicon electrodes	Comptes Rendus Chimie 9 (2): 289-293 FEB 2006	2006	chemistry
1015.	Lewerenz, H.J.; Jakubowicz, J.; Jungblut, H	Nascent, metastable and induced nanostructures on silicon electrodes	Comptes rendus - Chimie Volume: 9, Issue: 2, February, 2006, pp. 289-293	2006	chemistry
1016.	Dugdale S. B, R. J. Watts, J. Laverock, Zs. Major, M. A. Alam, M. Samsel-Czekala, G. Kontrym-Sznajd, Y. Sakurai, M. Itou, and D. Fort	Observation of a Strongly Nested Fermi Surface in the Shape-Memory Alloy Ni _{0.62} Al _{0.38}	Physical Review Letters 96, 046406 (2006)	2006	physics: general
1017.	Polit J, Sheregii EM, Robouch BV, P. Zajdel, A. Marcelli, J. Cebulski, M. Castelli-Guidi, M. Piccinini, E. Burattini, Kisiel A, Mycielski A	Phonon and Vibrational Spectra of Hydrogenated CdTe	Journal of Applied Physics, (2006) - in Press	2006	physics: applied
1018.	Metoki N, Kaneko K, Raymond S, Sanchez JP, Piekarz P, Parlinski K, Oles AM, Ikeda S, Matsuda TD, Haga Y, Onuki Y, Landerg GH	Phonons in UCoGa ₅	Physica B 378–380 (2006) 1003–1004	2006	physics: general
1019.	Guziewicz E	Photoemission of 4f and 5f systems*	Optica Applicata – submitted	2006	physics: solid state
1020.	Szymański K	Polarized radiation in Mössbauer spectroscopy.	Physics Reports, 2006, 423, 6, 295-338,	2006	physics: general
1021.	Kwiatk WM, Banas A, Banas K, Kisiel A, Cinque G, Falkenberg G	Preliminary study on chemical speciation of sulphur in cancerous tissues	Acta Physica Polonica A 109 (2006): 383-387 MAR	2006	physics: general
1022.	Kowalik IA, Kowalski BJ, Kaczor P, Orłowski BA, Lusakowska E, Johnson RL, Houssiau L, Brison J, Grzegory I, Porowski S	Resonant photoemission study of Ti interaction with GaN surface	Surface Science 600 (4): 873-879 FEB 15 2006	2006	surface science
1023.	Wojtowicz AJ; Drozdowski W; Wisniewski D; Lefaucheur JL et al	Scintillation properties of selected oxide monocrystals activated with Ce and Pr	Optical Materials Volume: 28, Issue: 1-2, January, 2006, pp. 85-93	2006	materials
1024.	Shaporenko A, Elbing M, Blaszczyk A, C von Hanisch, M Mayor, M Zharnikov.	Self-assembled monolayers from biphenyldithiol derivatives: Optimization of the deprotection procedure and effect of the molecular conformation	Journal of Physical Chemistry B 110 (9): 4307-4317 MAR 9 2006	2006	chemistry: physical
1025.	Robouch BV, Kisiel A, A. Marcelli, M. Castelli-Guidi, M. Piccinini, E. Burattini, Mycielski A	Statistical model of sphalerite structured quaternary A _{1-x} B _x Y _y Z _{1-y} systems	Journal of Alloys & Compounds (2006) (in press)	2006	materials
1026.	Bartnik A, Fiedorowicz H, Jarocki R, Juha L, Kosteci J, Rakowski R, Szczurek M	Strong temperature effect on X-ray photo-etching of polytetrafluoroethylene using a 10 Hz laser-plasma radiation source based on a gas puff target	Applied Physics B: SERS O 82 (4): 529-532 MAR 2006	2006	sources instruments
1027.	Wolska E, Tovar M, Andrzejewski B, Nowicki W, Darul J, Piszora P,	Structural and magnetic properties of the iron substituted lithium-manganese spinel oxides	Solid State Sciences 8 (1): 31-36 JAN 2006	2006	physics: solid state

	Knapp M	substituted lithium-manganese spinel oxides	31-36 JAN 2006		state
1028.	Pelka JB, Brust M, Gierłowski P, Paszkowicz W, Schell N	Structure and conductivity of self-assembled films of gold nanoparticles	Applied Physics Letters (2006) accepted	2006	physics: applied
1029.	Wawro S, Z. Kurant, L.T. Baczewski, P. Pankowski, J.B. Pełka, A. Maneikis, A. Bójko, V. Zablotskii and A. Maziewski	Structure and magnetic anisotropy evolution in Au/Co/Au sandwiches upon thermal treatment	physica status solidi (c) 2006)	2006	physics: solid state
1030.	Jedrzejczak R, Dauter Z, Dauter M, Piątek R, Zalewska B, Mroz M, Bury K, Nowicki B, Kur J	Structure of DraD invasins from uropathogenic Escherichia coli: a dimer with swapped β -tails.	Acta Crystallographica: Section D, Feb2006, Vol. 62 Issue 2, p157-164	2006	crystallography: biological
1031.	Kralj, M.; Bailly, A.; Saint-Lager, M.-C.; Degen, S.; Krupski, A.; Becker, C.; Dolle, P.; De Santis, M.; et. al.	Temperature- and coverage-dependent evolution of the Au/Pd(110) surface structure	Surface Science Volume: 600, Issue: 12, June 15, 2006, pp. 2614-2622	2006	surface science
1032.	Czarski T, Pozniak KT, Romaniuk RS, et al.	TESLA cavity modeling and digital implementation in FPGA technology for control system development	Nuclear Instruments and Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment) 556 (2): 565-576 JAN 15 2006	2006	sources instruments
1033.	Wiechec, A.; Korecki, J.; Handke, B.; Kakol, Z.; Owoc, D.; Antolak, D.A.; Kozłowski, A.	Uniaxial anisotropy in magnetite thin film—Magnetization studies	Physica B: Physics of Condensed Matter Volume: 382, Issue: 1-2, June 15, 2006, pp. 147-150	2006	physics: condensed matter
1034.	Bacewicz R, Antonowicz J	XAFS study of amorphous Al-RE alloys	Scripta Materialia 54 (6): 1187-1191 Mar 2006	2006	materials
1035.	Sikora M., Cz. Kapusta, K. Knížek, 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 $\text{LaMn}_{1-x}\text{Co}_x\text{O}_3$ ($x=0-1$)	Physical Review B - Condensed Matter 73, 094426 (2006)	2006	physics: condensed matter
1036.	Wieteska K, Wierzchowski W, Graeff W, Gawlik G	X-ray synchrotron diffraction studies of III-V semiconductor compounds implanted with hydrogen	Physica Status Solidi (a) 203 (2): 227-235 FEB 2006	2006	physics: solid state
1037.	Korecki P, Tolkiehn M, Novikov DV, Materlik G, Szymonski M	X-ray tomographic imaging of crystal structure at atomic level	Physical Review Letters 96, 035502 (2006)	2006	physics: general
1038.	Wierzbicka E, Klos A, Lefeld-Sosnowska M, Pajczkowska A	X-ray topography of $\text{GdCa}_4\text{O}(\text{BO}_3)_3$ single crystals grown by the Czochralski method	Physica Status Solidi a 203 (2): 220-226 2006	2006	physics: solid state