

## LISTA PUBLIKACJI 1993 LIST of PUBLICATIONS

### KSIĄŻKI, MONOGRAFIE i ARTYKUŁY PRZEGLĄDOWE BOOKS, MONOGRAPHS & REVIEWS

1. **H. STACHOWIAK, A. RUBASZEK,**  
**Electron–Positron Interaction in Jellium and Real Metallic Systems.**  
In: *Positrons at Metallic Surfaces*, ed. by A. Ishii [*Solid State Phenom.* vol. 28/29] (Trans Tech, Aedermannsdorf 1992/93) Ch. II, pp. 7–93.
2. **R. TROĆ, W. SUSKI,**  
**2. Magnetic Properties of Actinide Elements and Compounds.**  
**[3.4] Compounds of Actinide Elements with Main Group Elements.**  
In: *Landolt–Börnstein Numerical Data and Functional Relationship in Science and Technology, New Series*, ed. by W. Martienssen, Group III: *Condensed Matter*, Vol. 27: *Magnetic Properties of Non-Metallic Inorganic Compounds Based on Transition Elements*, ed. by H.P.J. Wijn, Subvol. F: *Actinide Elements and Their Compounds with Other Elements* (Springer-Vg, Berlin 1993) Pt 2, 304 pp.

### ARTYKUŁY W CZASOPISMACH NAUKOWYCH ARTICLES IN SCIENTIFIC JOURNALS

3. A.V. Andreev, E.V. Scherbakova, T. Goto, **W. SUSKI,**  
**Magnetic Properties of  $\text{LuFe}_{10-x}\text{Al}_x\text{Si}_2$  Quasi-Ternaries Compared with  $\text{UFe}_{10-x}\text{Al}_x\text{Si}_2$ .**  
*J. Alloy. Compd.* **198**<sub>1/2</sub> (1993) 43–6. [\[DOI\]](#)
4. A.V. Andreev, **W. SUSKI,** T. Goto, I. Oguro,  
**Magnetic Properties of  $\text{Tb}_{1-x}\text{R}_x\text{Fe}_{10}\text{Si}_2$  ( $\text{R} = \text{Y}, \text{U}$ ) Solid Solutions.**  
*Physica B* **183**<sub>4</sub> (1993) 385–91. [\[DOI\]](#)
5. A.V. Andreev, **W. SUSKI,** F.G. Vagizov, **H. DRULIS,**  
**Sublattice Contributions to the Magnetism of  $\text{UFe}_{10}\text{Si}_2$ .**  
*Physica B* **186–8** (1993.05) 730–3. [\[DOI\]](#)  
*Int. Conf. on Strongly Correlated Electron Systems*, SENDAI, JP, 1992.09 07–11
6. S. Åsbrink, **A. WAŚKOWSKA,** A. Ratuszna,  
**A High-Pressure X-ray Diffraction Study of a Phase Transitions in  $\text{KMnF}_3$ .**  
*J. Phys. Chem. Solids* **54**<sub>4</sub> (1993) 507–11. [\[DOI\]](#)
7. **K. BALCEREK, Cz. MARUCHA, J. RAFAŁOWICZ, R. WAWRYK,**  
**Deviation from MATTHIESSEN’S Rule for Thermal Conductivity of Quenched Zn-Doped Cd Single Crystals in the Temperature Range 5–20 K.**  
*Int. J. Thermophys.* **14**<sub>6</sub> (1993) 1229–34. [\[DOI\]](#)
8. **M. BAŁUKA,**  
**Light-Induced Surface Modification of Metallic Copper.**  
*Pol. J. Chem.* **67**<sub>3</sub> (1993) 541–4.
9. **M. BAŁUKA, A. WYROSTEK,**  
**Light-Induced Effects on Surfaces of Au, Ag, and Cu Films at 77 K.**  
*Bull. Pol. Ac. Chem.* **41**<sub>2</sub> (1993) 137–44.

10. **J. BARAN, J. LIS, A. PIETRASZKO, H. RATAJCZAK,**  
**Phase Transitions in the Betaine–Trichloroacetic Acid Molecular Complex.**  
*Bull. Pol. Ac. Chem.* **41**<sub>4</sub> (1993) 235–41.
11. A. Bartecki, M. Cieślak-Golonka, M. Pawłowska, **E. ŁUKOWIAK, W. STREK, A. Bol'shakov,**  
**Interligand Transmetallic Charge Transfer Transitions in Zn(II) Ternary Complexes with  $\pi$  Donor and  $\pi$  Acceptor Ligands.**  
*Pol. J. Chem.* **67**<sub>9</sub> (1993) 1555–8.
12. **I. BENZAR, R. HORYŃ, M. WOŁCYRZ,**  
**On Crystallochemistry and Superconductivity of the  $(\text{Bi}_{1\pm x}\text{Cu}_{1\mp x})_8\text{Sr}_6\text{Ca}_6\text{Cu}_9\text{O}_{24+z}$ -Type Solid Solution.**  
*J. Alloy. Compd.* **195**<sub>1/2</sub> (1993) 687–69. [\[DOI\]](#)  
*European Materials Research Society (E-MRS) 1992 Fall Meet., Symp. A: High Temperature Superconductors,*  
 STRASBURG, FR, 1992.11 03–06
13. М.Е.Бойко, Б.С.Задохин, **K. ŁUKASZEWICZ, Ю.Ф.Марков, A. PIETRASZKO,**  
**J. STĘPIEŃ-DAMM,**  
**Спонтанная деформация и фазовый переход в несовершенном сегнетоэлектрике  $\text{Hg}_2\text{Br}_2$ .**  
 [Spontaneous Deformation and Phase Transition in the Improper Ferroelastic Mercurous Bromide.]  
*Физ. Твёрд. Тела* **35**<sub>6</sub> (1993) 1483–91 [in Russian]. Engl. in: *Phys. Solid State* **35**<sub>6</sub> (1993) 748–52.
14. **E. BOROŃSKI, S. DANIUK, H. STACHOWIAK,**  
**Electron–Positron Scattering in Real Metals.**  
*Acta Phys. Pol. A* **83**<sub>3</sub> (1993) 255–60.  
*24th Polish Semin. on Positron Annihilation, SOBÓTKA-GÓRKA, PL, 1992.08 27–31*
15. А.П.Бродянский, В.В.Сумароков, Ю.А.Фрейман, **A. JEŻOWSKI,**  
**Квантовое ориентационное плавление.** [Quantum Orientational Melting.]  
*Физ. Низк. Темп.* **19**<sub>5</sub> (1993) 520–5 [in Russian]. Engl. in: *Sov. J. Low Temp. Phys.* **19**<sub>5</sub> (1993) \*\*\*-.\*.
16. W. Bronowska, M. Kozłowski, **A. PIETRASZKO,**  
**X-Ray Study of the Ferroelectric Phase Transition of  $\text{CsH}_2\text{PO}_4$ .**  
*Ferroel. Lett.* **16**<sub>3/4</sub> (1993) 67–71. [\[DOI\]](#)
17. W. Bronowska, **A. PIETRASZKO, A. Videnova-Adrabińska,**  
**Low-Temperature Structure Investigations of  $[(\text{NH}_4)_{1-x}\text{Rb}_x]_3\text{H}(\text{SO}_4)_2$  Mixed Crystals.**  
*Mater. Sci. Forum* **133-6** (1993) 727–32.  
*2nd Eur. Powder Diffraction Conf., ALMELO, NL, 1992.07 30 –.08 01*
18. A. Böhm, **D. KACZOROWSKI, G. Weber, F. Steglich,**  
**Heat Capacity of  $\text{UCuP}_2$  and  $\text{UCuAs}_2$  Single Crystals.**  
*J. Alloy. Compd.* **196**<sub>1/2</sub> (1993) L11–4. [\[DOI\]](#)
19. J. Chrzanowski, M. Nowicki, B. Sujak, **R. KLIMKIEWICZ, A. W. Morawski,**  
**Thermally Stimulated Electron Emission from Bi–K–Graphite Intercalation Compound.**  
*Carbon* **31**<sub>4</sub> (1993) 549–51. [\[DOI\]](#)
20. **M. CISZEK, J. OLEJNICZAK, A. J. ZALESKI,**  
**AC Losses in  $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$  with Trapped Magnetic Flux.**  
*Mod. Phys. Lett. B* **7**<sub>7</sub> (1993) 441–7. [\[DOI\]](#)
21. **M. CISZEK, J. OLEJNICZAK, A. J. ZALESKI,**  
**Energy Dissipation and Flux Trapping in a High- $T_c$  Superconductor in Low AC and DC Magnetic Fields.**  
*Physica C* **208**<sub>3/4</sub> (1993) 245–52. [\[DOI\]](#)

22. D.Costa, A.Carraretto, **P.J. GODOWSKI**, J.Marcus,  
**The Evidence of Arsenic Segregation in Iron.**  
*J. Mater. Sci. Lett.* **12**<sub>3</sub> (1993) 135–7. [\[DOI\]](#)
23. В.М.Дмитриев, М.Н.Офицеров, Н.Н.Пренцлау, **К. ROGACKI**,  
**ПОВЫШЕНИЕ ПРОВОДИМОСТИ ВТСП керамики перед N–S переходом.** [HTS Ceramic Conductivity Increase Preceding the N–S Transition.]  
*Физ. Низк. Темп.* **19**<sub>3</sub> (1993) 268–73 [in Russian]. Engl. in: *Sov. J. Low Temp. Phys.* **19**<sub>3</sub> (1993) 188–92.
24. **G. DOMINIAK-DZIK**, **S. GOŁĄB**, **W. RYBA-ROMANOWSKI**,  
**Relaxation of the  $^4S_{3/2}$  Level of  $Er^{3+}$  in  $Cs_2NaErCl_6$ .**  
*Acta Phys. Pol. A* **84**<sub>5</sub> (1993) 941–4.  
 Winter Worksh.on Spectroscopy & Structure of Rare Earth Systems, KARPACZ, PL, 1993.03 25–28
25. **H. DRULIS**, **J. KLAMUT**, **A. ZALESKI**, **R. HORYŃ**,  
**Susceptibility of  $Y_2Cu_2O_5H_x$ .**  
*Phys. Rev. B* **48**<sub>13</sub> (1993) 9843–6. [\[DOI\]](#)
26. **H. DRULIS**, **A. ZYGMUNT**, **J. KLAMUT**, N.M.Suleïmanov,  
**Critical Magnetization Currents in Hydrogenated  $La_{1.85}Sr_{0.15}CuO_4$  Superconductor.**  
*J. Alloy. Compd.* **195**<sub>1/2</sub> (1993) 471–4. [\[DOI\]](#)  
 European Materials Research Society (E-MRS) 1992 Fall Meet., Symp. A: High Temperature Superconductors, STRASBOURG, FR, 1992.11 03–06
27. **M. DRULIS**,  
**Low Temperature Specific Heat and IR Spectroscopy of  $EuD_2$  and  $YbH_2$ .**  
*J. Alloy. Compd.* **198**<sub>1/2</sub> (1993) 111–5. [\[DOI\]](#)
28. E.Dudziak, J.Bożym, D.Pruchnik, **J. BARAN**,  
**Investigation of Phonons in  $HgCgMnTe$  Using Far-Infrared Reflectivity.**  
*Acta Phys. Pol. A* **84**<sub>4</sub> (1993) 595–8.  
 22nd Int.Sch.on Physics of Semiconducting Compounds, JASZOWIEC, PL, 1993.05 22–28
29. **K. DURCZEWSKI**, **Z. KLETOWSKI**,  
**DE GENNES Factor Dependence of Thermoelectric Power in Rare Earth Compounds.**  
*J. Magn. Magn. Mater.* **119**<sub>1/2</sub> (1993) L1–4. [\[DOI\]](#)
30. C.A.Enz, **Z.M. GALASIEWICZ**,  
**The  $T_c-n_s$  Relation for Weakly Interacting Charged BOSE Fluids.**  
*Physica C* **214**<sub>3/4</sub> (1993) 239–46. [\[DOI\]](#)
31. **Z. GAJEK**,  
**Simple Parametrization Scheme for Electric Dipole Intensities.**  
*Acta Phys. Pol. A* **84**<sub>5</sub> (1993) 875–80.  
 Winter Worksh.on Spectroscopy & Structure of Rare Earth Systems, KARPACZ, PL, 1993.03 25–28
32. **Z. GAJEK**, J.C.Krupa, **Z. ŻOŁNIEREK**, E.Antic-Fidancev, M.Lemaitre-Blaise,  
**Interpretation of the Optical Absorption Spectrum of Uranium Germanate.**  
*J. Phys. Cond. Matt.* **5**<sub>49</sub> (1993) 9223–34. [\[DOI\]](#)
33. **Z. GAJEK**, **J. MULAŁ**, J.C.Krupa,  
**The Actual and Idealized Crystal Field Parametrizations for the Uranium Ions in  $UF_4$ .**  
*J. Solid State Chem.* **107**<sub>2</sub> (1993) 413–27. [\[DOI\]](#)
34. **Z.M. GALASIEWICZ**,  
**Multi-Time GREEN Functions for Systems Evolving in Time under Unitary Transformations. The Linear, Quadratic and Higher Order Responses.**  
*Physica A* **192**<sub>1/2</sub> (1993) 197–230. [\[DOI\]](#)

35. **E. GALDECKA**,  
Description and Peak Position Determination of a Single X-ray Diffraction Profile for High-Accuracy Lattice-Parameter Measurements by the BOND Method.  
I. An Analysis of Descriptions Available.  
*Acta Cryst. A* **49**<sub>1</sub> (1993) 106–15. [\[DOI\]](#)
36. **E. GALDECKA**,  
Description and Peak Position Determination of a Single X-ray Diffraction Profile for High-Accuracy Lattice-Parameter Measurements by the BOND Method.  
II. Testing and Choice of Description.  
*Acta Cryst. A* **49**<sub>1</sub> (1993) 116–26. [\[DOI\]](#)
37. J. García-Solé, **B. MACALIK**, L.E. Bausá, F. Cussó, E. Camarillo, A. Lorenzo, L. Nuñez, F. Jaque, A. Monteil, G. Boulon, J.E. Muñoz Santiuste, I. Vergara,  
**Optical Detection of Ion Impurity Sites in Doped LiNbO<sub>3</sub>**.  
*J. Electrochem. Soc.* **140**<sub>7</sub> (1993) 2010–5. [\[DOI\]](#)
38. Б.Я.Городилов, Н.Н.Жолонко, **P. STACHOWIAK**,  
**Теплопроводность твердых растворов N<sub>2</sub> в Ar.** [Thermal Conductivity of Solid Solutions of N<sub>2</sub> in Ar].  
*Физ. Низк. Темп.* **19**<sub>3</sub> (1993) 339–40 [in Russian]. Engl. in: *Sov. J. Low Temp. Phys.* **19**<sub>3</sub> (1993) \*\*\*-\*.
39. **J. HANUZA**, **M. ANDRUSZKIEWICZ**, **K. HERMANOWICZ**, **R. HORYŃ**, **J. KLAMUT**,  
**Infrared and RAMAN Spectra and External Mode Calculations for M<sub>2</sub>Cu<sub>2</sub>O<sub>5</sub> Semiconductors (M = In, Sc, Y and Lanthanides from Tb to Lu).**  
*Spectrochim. Acta A* **49**<sub>8</sub> (1993) 1065–78. [\[DOI\]](#)
40. **J. HANUZA**, **L. MACALIK**, **B. MACALIK**, **W. STREK**,  
**Spectroscopic Properties of Eu<sup>3+</sup> Ion in KEu(MoO<sub>4</sub>)<sub>2</sub>**.  
*Acta Phys. Pol. A* **84**<sub>5</sub> (1993) 895–8.  
*Winter Worksh. on Spectroscopy & Structure of Rare Earth Systems*, KARPACZ, PL, 1993.03 25–28
41. **J. HANUZA**, **L. MACALIK**, **B. MACALIK**, **W. STREK**,  
**Electron Absorption and Emission Spectra of Eu<sup>3+</sup> in KEu(WO<sub>4</sub>)<sub>2</sub>**.  
*Acta Phys. Pol. A* **84**<sub>5</sub> (1993) 899–902.  
*Winter Worksh. on Spectroscopy & Structure of Rare Earth Systems*, KARPACZ, PL, 1993.03 25–28
42. **J. HANUZA**, **M. MAĆZKA**, **K. HERMANOWICZ**, **M. ANDRUSZKIEWICZ**, **A. PIETRASZKO**,  
**W. STREK**, **P. DEREŃ**,  
**The Structure and Spectroscopic Properties of the Al<sub>2-x</sub>Cr<sub>x</sub>(WO<sub>4</sub>)<sub>3</sub> Crystals in Orthorhombic and Monoclinic Phases.**  
*J. Solid State Chem.* **105**<sub>1</sub> (1993) 49–69. [\[DOI\]](#)
43. **Z. HENKIE**, **T. CICHOREK**,  
**Crystal Growth and In-plane Thermopower of Nd<sub>2-x</sub>Th<sub>x</sub>CuO<sub>4-δ</sub>**.  
*J. Alloy. Compd.* **196**<sub>1/2</sub> (1993) L3–5. [\[DOI\]](#)
44. **Z. HENKIE**, **T. CICHOREK**, **H. DRULIS**, **J. KLAMUT**,  
**Hydrogenation and Deoxygenation Effects on Thermoelectric Power of SmBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub>**.  
*Physica C* **214**<sub>1/2</sub> (1993) 138–42. [\[DOI\]](#)
45. **R. HORYŃ**, **A. WOJAKOWSKI**,  
**Crystallochemical Characterization of the Bi<sub>8</sub>Sr<sub>8-x</sub>Ca<sub>4+x</sub>Cu<sub>9</sub>O<sub>33-z</sub>-Type Solid Solutions.**  
*J. Alloy. Compd.* **191**<sub>2</sub> (1993) 271–6. [\[DOI\]](#)
46. **R. HORYŃ**, **M. WOŁCYRZ**, **R. ANDRUSZKIEWICZ**,  
**On the Crystallochemistry of the Binary BiSr<sub>3</sub>O<sub>x</sub> Phase.**  
*J. Alloy. Compd.* **191**<sub>2</sub> (1993) 203–6. [\[DOI\]](#)

47. M.M. Ilczyszyn, A.J. Barnes, **H. RATAJCZAK**,  
**Polarized Infrared Spectra of Lithium Hydrogen Phthalate Monohydrate Single Crystal.**  
*J. Mol. Struct.* **291**<sub>2/3</sub> (1993) 135–43. [\[DOI\]](#)
48. V. Ivanov, L. Vinokurova, A. Szytuła, **A. ZYGMUNT**,  
**Magnetic Phase Diagram of NdRh<sub>2-x</sub>Ru<sub>x</sub>Si<sub>2</sub> in High Magnetic Field.**  
*J. Alloy. Compd.* **191**<sub>1</sub> (1993) 159–63. [\[DOI\]](#)
49. R. Jakubas, G. Bator, **J. BARAN**,  
**Vibrational Study of the Structural Phase Transitions for the (CH<sub>3</sub>NH<sub>3</sub>)<sub>3</sub>Sb<sub>2</sub>Br<sub>9</sub> (MABA) and (CH<sub>3</sub>NH<sub>3</sub>)<sub>3</sub>Bi<sub>2</sub>Br<sub>9</sub> (MABB) Crystals by Infrared Spectroscopy.**  
*J. Phys. Chem. Solids* **54**<sub>9</sub> (1993) 1065–72. [\[DOI\]](#)
50. **J. JANCZAK, R. KUBIAK**,  
**Crystal and Molecular Structure of Dithallium Phthalocyanine at 300 K.**  
*J. Alloy. Compd.* **202**<sub>1/2</sub> (1993) 69–72. [\[DOI\]](#)
51. **J. JANCZAK, R. KUBIAK**,  
**Crystal and Molecular Structure of Diindium Triphthalocyanine at 300 K.**  
*J. Chem. Soc. - Dalton Trans.* Nr 24 (1993) 3809–12. [\[DOI\]](#)
52. **Z. JAWORSKA-GALAS, S. JANIĄK, W. MIŚTA, J. WRZYSZCZ, M. ZAWADZKI**,  
**Morphological and Phase Changes of Transition Aluminas Occurring During Their Rehydration.**  
*J. Mater. Sci.* **28**<sub>8</sub> (1993) 2075–8. [\[DOI\]](#)
53. **A. JEŻOWSKI, P. STACHOWIAK, V.V. Sumarokov, J. MUCHA, Yu.A. Freiman**,  
**Thermal Conductivity of Solid Oxygen.**  
*Phys. Rev. Lett.* **71**<sub>1</sub> (1993) 97–100. [\[DOI\]](#)
54. **D. KACZOROWSKI, D. Finsterbusch, B. Lüthi**,  
**Elastic Effects in Some Ferromagnetic Uranium Pnictides.**  
*Int. J. Mod. Phys. B* **7**<sub>1-3</sub> (1993) 212–5 [pt I]. [\[DOI\]](#)  
*Int. Conf. on the Physics of Transition Metals*, DARMSTADT, DE, 1992.07 20–24
55. **D. KACZOROWSKI, H. Noël**,  
**Spin-Glass-Like Behavior in U<sub>2</sub>TSi<sub>3</sub> (T = Fe, Co, Ni, Cu) Intermetallics with Disordered AlB<sub>2</sub>- and α-ThSi<sub>2</sub>-Type Structures.**  
*J. Phys. Cond. Matt.* **5**<sub>49</sub> (1993) 9185–95. [\[DOI\]](#)
56. **D. KACZOROWSKI, R. Pöttgen, Z. GAJEK, A. ZYGMUNT, W. Jeitschko**,  
**Crystal Structure and Magnetic Susceptibility of UOSe Single Crystals.**  
*J. Phys. Chem. Solids* **54**<sub>6</sub> (1993) 723–31. [\[DOI\]](#)
57. **D. KACZOROWSKI, R. TROĆ, D. BADURSKI, A. Böhm, L. Shlyk, F. Steglich**,  
**Magnetic-to-Nonmagnetic Transition in the Pseudobinary System U(Ga<sub>1-x</sub>Sn<sub>x</sub>)<sub>3</sub>.**  
*Phys. Rev. B* **48**<sub>22</sub> (1993) 16 425–31. [\[DOI\]](#)
58. **D. KACZOROWSKI, Z. ŻOŁNIEREK, C. Geibel, F. Steglich**,  
**Magnetic and Electrical Properties of (U,Th)<sub>2</sub>Sn<sub>2</sub> (T = Co, Ni, Cu) Intermetallics.**  
*J. Alloy. Compd.* **200**<sub>1/2</sub> (1993) 115–21. [\[DOI\]](#)
59. K. Kałucki, A.W. Morawski, **R. KLIMKIEWICZ**,  
**Preparatyka interkalowanego związku K–Bi–grafit w atmosferze azotu. [Preparation of Intercalated Compounds K–Bi–Graphite in Nitrogen Atmosphere.]**  
*Karbo-Energochem. Ekol.* **38**<sub>10</sub> (1993) 224–6 [in Polish].

60. M.Kibler, **J. SZTUCKI**,  
**d and f Electrons in a qp-Quantized Cubical Field.**  
*Acta Phys. Pol. A* **84**<sub>5</sub> (1993) 857–66.  
 Winter Worksh.on Spectroscopy & Structure of Rare Earth Systems, KARPACZ, PL, 1993.03 25–28
61. **P.W. KLAMUT**,  
**Evidence for Interstitial Oxygen and Possible Role of Reduction in  $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_{4+y}$ .**  
*J. Alloy. Compd.* **194**<sub>1</sub> (1993) L5–7. [DOI]
62. **P.W. KLAMUT**,  
**AC Susceptibility and Resistivity of Granular  $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_{4.03}$  Superconductor.**  
*phys. stat. sol. (a)* **136**<sub>1</sub> (1993) 181–8. [DOI]
63. **P.W. KLAMUT**, **H. DRULIS**, **J. OLEJNICZAK**,  
**Effect of Hydrogen Doping on the Properties of  $\text{Sm}_{1.93}\text{Sr}_{0.07}\text{CuO}_4$  Compound.**  
*Phys. Rev. B* **48**<sub>17</sub> (1993) 13 145–8. [DOI]
64. **P.W. KLAMUT**, **J. OLEJNICZAK**,  
**An Anomaly in the Temperature Dependence of the AC Susceptibility of  $\text{Sm}_{2-x}\text{Sr}_x\text{CuO}_4$ .**  
*Phys. Lett. A* **176**<sub>6</sub> (1993) 454–7. [DOI]
65. **Z. KLETOWSKI**,  
**Resistivity in the Heavy  $RE\text{In}_3$  Compounds ( $RE = \text{Tb}, \text{Dy}, \text{Ho}, \text{or Er}$ ).**  
*J. Phys. Cond. Matt.* **5**<sub>48</sub> (1993) 8955–62.
66. **R. KLIMKIEWICZ**, A.Morawski, **W. MIŚTA**,  
**Bi–K–Graphite Intercalation Compound as a New Catalyst for Styrene Synthesis.**  
*J. Catal.* **144**<sub>2</sub> (1993) 627–31. [DOI]
67. **G. KONTRYM-SZNAJD**, **A. RUBASZEK**,  
**Densities of Valence Electrons in Simple Metals Effective with Respect to Electron–Positron Correlations.**  
*Acta Phys. Pol. A* **83**<sub>3</sub> (1993) 333–7.  
 24th Polish Semin.on Positron Annihilation, SOBÓTKA-GÓRKA, PL, 1992.08 27–31
68. **G. KONTRYM-SZNAJD**, **A. RUBASZEK**,  
**Methods of Extracting Electron–Positron Enhancement Factors from Experimental ACAR Data.**  
*Acta Phys. Pol. A* **83**<sub>3</sub> (1993) 339–44.  
 24th Polish Semin.on Positron Annihilation, SOBÓTKA-GÓRKA, PL, 1992.08 27–31
69. **G. KONTRYM-SZNAJD**, **A. RUBASZEK**,  
**Interpretation of Positron Annihilation Data with Respect to the Electron–Positron Enhancement Factors. Part 1: Theory.**  
*Phys. Rev. B* **47**<sub>12</sub> (1993) 6950–9. [DOI]
70. **G. KONTRYM-SZNAJD**, **A. RUBASZEK**,  
**Interpretation of Positron Annihilation Data with Respect to the Electron–Positron Enhancement Factors. Part 2: Applications.**  
*Phys. Rev. B* **47**<sub>12</sub> (1993) 6960–70. [DOI]
71. **Т.К. КОРЕЇ**,  
**Quadrupolar Glass Freezing in Solid Hydrogen: Distribution Functions for the Orientational Order Parameters.**  
*Phys. Rev. B* **48**<sub>6</sub> (1993) 3698–703. [DOI]
72. Е.Е.Котельникова, Н.М.Сулейманов, Г.Г.Халиуллин, **H. DRULIS**, **W. IWASIECZKO**,  
**Спин-стекольный переход как причина ложного тяжелофермионного поведения системы  $\text{YbH}_x$ .** [Spin-Glass Transition as the Cause of a False Heavy-Fermion Behavior of the  $\text{YbH}_x$  System.]  
*Письма в ЖЭТФ* **58**<sub>4</sub> (1993) 276–9 [in Russian]. Engl. in: *JETP Lett.* **58**<sub>4</sub> (1993) 284–8.

73. **T. KRZYSZTOŃ**,  
**Surface Barrier in the Mixed State of Anisotropic Superconductor.**  
*Mod. Phys. Lett. B* **7**<sub>12</sub> (1993) 841–7. [\[DOI\]](#)
74. **R. KUBIAK, J. JANCZAK**,  
**Rietveld X-Ray Powder Analysis of InBi Crystalline Structure at Low Temperature.**  
*J. Alloy. Compd.* **196**<sub>1/2</sub> (1993) 117–9. [\[DOI\]](#)
75. **R. KUBIAK, J. JANCZAK**,  
**A Simple, Novel Method for the Preparation of Metallophthalocyanines.**  
*J. Alloy. Compd.* **200**<sub>1/2</sub> (1993) L7–8. [\[DOI\]](#)
76. **D. KUCHARCZYK, A. PIETRASZKO, K. ŁUKASZEWICZ**,  
**Automatic Four Circle Diffractometer Designed for Precise Lattice Parameters Determination.**  
*J. Appl. Cryst.* **26**<sub>3</sub> (1993) 467. [\[DOI\]](#)
77. J.KuzniŃik, **K. ROGACKI**,  
**Observation of a *Devil's Staircase* on a GdMo<sub>6</sub>Se<sub>8</sub> JOSEPHSON Junction.**  
*Phys. Lett. A.* **176**<sub>1/2</sub> (1993) 144–8. [\[DOI\]](#)
78. **J. LACH, R. ŁYŻWA**, J.Jędrzejewski,  
**Global Structure of the FALICOV–KIMBALL Model Ground State Phase Diagram.**  
*Acta Phys. Pol. A* **84**<sub>2</sub> (1993) 327–44.
79. **J. LACH, R. ŁYŻWA**, J.Jędrzejewski,  
**On the Ground-State Phase Diagram of the FALICOV–KIMBALL Model.**  
*Phys. Rev. B* **48**<sub>15</sub> (1993) 10 783–7. [\[DOI\]](#)
80. J.Legendziewicz, E.Huskowska, **W. STRĘK, E. ŁUKOWIAK, J. SZTUCKI**,  
**Stereoselectivity Effect on Tb(III)–Eu(III) Energy Transfer in Complexes with Glutamic Acid and Alanine.**  
*Acta Phys. Pol. A* **84**<sub>5</sub> (1993) 1021–4.  
*Winter Worksh.on Spectroscopy & Structure of Rare Earth Systems*, KARPACZ, PL, 1993.03 25–28
81. **L. LIPIŃSKI, H. MANUSZKIEWICZ, A. SZMYRKA-GRZEBYK**,  
**Reproducibility of Superconducting Transition Temperature of Encapsulated Samples of Indium Used as Temperature Fixed Point.**  
*Cryogenics* **33**<sub>10</sub> (1993) 995–8. [\[DOI\]](#)
82. **L. LIPIŃSKI, A. SZMYRKA-GRZEBYK, H. MANUSZKIEWICZ**,  
**Punkt potrójny argonu: realizacja Międzynarodowej Skali Temperatur 1990 poniżej 0° C.** [The Triple Point of Argon. Realization of the International Temperature Scale of 1990 below 0° C.]  
*Normalizacja* **61**<sub>9</sub> (1993) 25–8 [in Polish].
83. **K. ŁUKASZEWICZ, A. PIETRASZKO**, M.A.Augustyniak,  
**Structure of (NH<sub>4</sub>)<sub>3</sub>H(SeO<sub>4</sub>)<sub>2</sub> in High-Temperature Phases I and II.**  
*Acta Cryst. C* **49**<sub>3</sub> (1993) 430–3. [\[DOI\]](#)
84. **E. ŁUKOWIAK, J. HANUZA, W. STRĘK**, M.Czaja,  
**Spectroscopic Properties of Chromium (III) Ions in Cr-Diopside Crystals.**  
*Bull. Pol. Ac. Chem.* **41**<sub>3</sub> (1993) 187–97.
85. **R. ŁYŻWA**,  
**The One-Dimensional Spin-less FALICOV–KIMBALL Model with Periodic Configurations of Localized Electrons.**  
*Physica A* **192**<sub>1/2</sub> (1993) 231–48. [\[DOI\]](#)

86. **B. MACALIK**, L.E.Bausá, J.García-Solé, F.Jaque,  
**Influence of the Stoichiometry in the Site Distribution of Cr<sup>3+</sup> Ions in LiNbO<sub>3</sub>.**  
*Appl. Phys. Lett.* **62**<sub>16</sub> (1993) 1887–8. [\[DOI\]](#)
87. **L. MACALIK**, **J. HANUZA**, J.Legendziewicz,  
**Optical Spectra of Neodymium and Europium Tungstates and Molybdates.**  
*Acta Phys. Pol. A* **84**<sub>5</sub> (1993) 909–16.  
*Winter Worksh.on Spectroscopy & Structure of Rare Earth Systems*, KARPACZ, PL, 1993.03 25–28
88. **M. MAĆZKA**, **J. HANUZA**,  
**Fourierowska spektroskopia oscylacyjna w podczerwieni i rozproszeniu ramanowskim.**  
 [FOURIER Transform Infrared and RAMAN Spectroscopy.]  
*Wiadom. Chem.* **47**<sub>1</sub> (1993) 19–50 [in Polish].
89. H.Maghrawy, **W. STREK**, J.Legendziewicz, **J. HANUZA**, **E. ŁUKOWIAK**,  
**Spectroscopic Properties of [(C<sub>4</sub>H<sub>9</sub>)<sub>4</sub>N]<sub>3</sub>Pr(NCS)<sub>6</sub> Crystal.**  
*Pol. J. Chem.* **67**<sub>11</sub> (1993) 1959–65.
90. **H. MISIOREK**, **A. JEŻOWSKI**, **J. MUCHA**,  
**An Evidence for the Hydrogen Diffusion in Niobium by Thermal Conductivity Measurements.**  
*Solid State Commun.* **87**<sub>6</sub> (1993) 501–5. [\[DOI\]](#)
91. **H. MISIOREK**, **A. JEŻOWSKI**, **J. MUCHA**, N.I.Sorokina,  
**Hysteresis of Thermal Conductivity and Electrical Resistivity of Niobium Hydrides.**  
*Solid State Commun.* **85**<sub>11</sub> (1993) 907–10. [\[DOI\]](#)
92. **J. MUCHA**, **A. JEŻOWSKI**, **A. CZOPNIK**, **H. MISIOREK**, **Z. KLETOWSKI**,  
**Thermal Conductivity of REIn<sub>3</sub> (RE = Tb, Dy, Tm, Lu) Single Crystals.**  
*J. Alloy. Compd.* **199**<sub>1/2</sub> (1993) 145–9. [\[DOI\]](#)
93. **J. MULAŁ**,  
**Systematization of Parametrizations of S<sub>4</sub> Crystal Field Potential in Scheelite Matrices.**  
*Pol. J. Chem.* **67**<sub>11</sub> (1993) 2053–63.
94. **J. MULAŁ**, **Z. GAJEK**,  
**Crystal Field of Complex Parametrization and Metal–Ligand Distance Dependence of the Parameters.**  
*Pol. J. Chem.* **67**<sub>8</sub> (1993) 1489–504.
95. A.Murasik, P.Fischer, **R. TROĆ**, **Z. BUKOWSKI**,  
**Study of Spin Configurations in Sc<sub>2</sub>Cu<sub>2</sub>O<sub>5</sub> by Means of Powder Neutron Diffraction.**  
*J. Magn. Magn. Mater.* **127**<sub>3</sub> (1993) 365–72. [\[DOI\]](#)
96. Ю.Г.Найдюк, О.Е.Квитницкая, И.К.Янсон, **W. SUSKI**, **L. FOLCIK**,  
**Микроконтактные исследования соединений UCu<sub>4+x</sub>Al<sub>8-x</sub>.**  
 [Point Contact Study of UCu<sub>4+x</sub>Al<sub>8-x</sub> Compounds.]  
*Физ. Низк. Темп.* **19**<sub>3</sub> (1993) 289–95 [in Russian]. Engl. in: *Sov. J. Low Temp. Phys.* **19**<sub>3</sub> (1993) \*\*\*-\*.
97. **K. NIEDŹWIEDŹ**, **B. NOWAK**, **J.O. ŻOGAŁ**,  
<sup>91</sup>Zr NMR in Non-Stoichiometric Zirconium Hydrides ZrH<sub>x</sub> (1.55 ≤ x ≤ 2).  
*J. Alloy. Compd.* **194**<sub>1</sub> (1993) 47–51. [\[DOI\]](#)
98. **B. NISSEN-SOBOCIŃSKA**, **B. JEŻOWSKA-TRZEBIATOWSKA<sup>†</sup>**,  
**Nature of the Hydrogen Bridge in Transition Metal Complexes.**  
**VI. A Comparison of the Electronic Structure of Cu–H–B and Cu–H–Cu Bridges.**  
*J. Organomet. Chem.* **452**<sub>1/2</sub> (1993) 277–86. [\[DOI\]](#)



99. B. NOWAK, O.J. ŻOGAŁ, K. NIEDŹWIEDŹ, R. TROĆ, K. WOCHOWSKI, Z. ŻOŁNIEREK, <sup>29</sup>Si NMR and Magnetic Susceptibility of U<sub>3</sub>Si<sub>2</sub>.  
*Physica B* **192**<sub>3</sub> (1993) 213–8. [DOI]
100. D. NOWAK-WOŹNY, M. SUSZYŃSKA, M. SZMIDA, R. Capelletti, Optical and Dielectrical Characteristics of NaCl:Ni<sup>2+</sup> Crystals.  
*J. Mater. Sci.* **28**<sub>3</sub> (1993) 645–8. [DOI]
101. W. OGANOWSKI,  
Badania stabilności modyfikowanego katalizatora wanadowo–magnezowego w reakcji utleniającego odwodornienia etylobenzenu. [Stability of Modified Vanadium–Magnesium Catalyst in Oxidative Dehydrogenation of Ethylbenzene.]  
*Przem. Chem.* **72**<sub>2</sub> (1993) 56–8 [in Polish].
102. W. OGANOWSKI, R. KLIMKIEWICZ,  
Kinetics of Oxidative Dehydrogenation of Ethylbenzene on V<sub>2</sub>O<sub>5</sub>–CoO–MgO Catalyst.  
*Pol. J. Chem.* **67**<sub>10</sub> (1993) 1787–98.
103. W. OGANOWSKI, R. KLIMKIEWICZ,  
Influence of Styrene on the Oxidative Dehydrogenation of Ethylbenzene.  
*React. Kinet. Catal. Lett.* **49**<sub>2</sub> (1993) 327–31. [DOI]
104. J. OLEJNICZAK, A.J. ZALESKI, M. CISZEK,  
Anomalous Temperature Dependence of the MÖSSBAUER Spectra of <sup>57</sup>Fe-Doped La<sub>1.875</sub>Sr<sub>0.125</sub>Cu<sub>0.995</sub>Fe<sub>0.005</sub>O<sub>4</sub>.  
*Phys. Lett. A* **173**<sub>4/5</sub> (1992) 417–20. [DOI]
105. W.A. PACIOREK, G. Chapuis,  
New Algorithm for IC Structure Refinement. (Extended Abstract)  
*Phase Transit. B* **43**<sub>1–4</sub> (1993) 75–only. [DOI]  
*Int. Conf. on Polytypes, Modulated Structures and Quasicrystals*, BALATONSZÉPLAK, HU, 1991.08 20–24
106. M. Pawłowska, E. ŁUKOWIAK, W. STRĘK, I. Trabjerg,  
Spectroscopic Properties of Antiferromagnetic TiMnCl<sub>3</sub>:Eu<sup>3+</sup>.  
*phys. stat. sol. (a)* **137**<sub>1</sub> (1993) K53–5. [DOI]
107. A. PIETRASZKO, K. ŁUKASZEWICZ,  
Crystal Structure of (NH<sub>4</sub>)<sub>3</sub>H(SeO<sub>4</sub>)<sub>2</sub> in the Low Temperature Phase IV.  
*Bull. Pol. Ac. Chem.* **41**<sub>3</sub> (1993) 157–62.
108. A. PIETRASZKO, K. ŁUKASZEWICZ, L.F. Kirpichnikova,  
Crystal Structures of (CH<sub>3</sub>)<sub>2</sub>NH<sub>2</sub>Al(SO<sub>4</sub>)<sub>2</sub> · 6H<sub>2</sub>O, (CH<sub>3</sub>)<sub>2</sub>NH<sub>2</sub>Ga(SO<sub>4</sub>)<sub>2</sub> · 6H<sub>2</sub>O, and (CH<sub>3</sub>)<sub>2</sub>NH<sub>2</sub>Al(S<sub>0.89</sub>Se<sub>0.11</sub>O<sub>4</sub>)<sub>2</sub> · 6H<sub>2</sub>O.  
*Pol. J. Chem.* **67**<sub>10</sub> (1993) 1877–84.
109. E. Pinčík, V. Nádaždy, M. WOŁCYRZ, J. Kocanda, M. Jergel, Š. Lányi,  
New Approach to the Preparation of GaAs Oxide Films Utilizing an Ultrathin Sm Overlayer.  
*Czech. J. Phys.* **43**<sub>9/10</sub> (1993) 997–1001.  
*6th Symp. on Surface Physics*, CHLUM Castle, CZ, 1993.05 24–28
110. D. POTOCZNA-PETRU, L. KĘPIŃSKI,  
Influence of Oxidation–Reduction Treatment on the Interaction of Cobalt Particles with Silica Support.  
*J. Mater. Sci.* **28**<sub>13</sub> (1993) 3501–5. [DOI]
111. R. Pöttgen, J.H. Albering, D. KACZOROWSKI, W. Jeitschko,  
Structure Refinement of Actinoid Transition Metal Stannides AnT<sub>2–x</sub>Sn<sub>2–y</sub> (An = Th, U; T = Co, Ni, Cu) with Defect CaBe<sub>2</sub>Ge<sub>2</sub>-Type Structure.  
*J. Alloy. Compd.* **196**<sub>1/2</sub> (1993) 111–5. [DOI]

112. R.Pöttgen, **D. KACZOROWSKI**,  
**Synthesis and Characterization of Some New Ternary Uranium Transition Metal Silicides  $U_2T\text{Si}_3$**   
( $T \equiv \text{Fe, Co, Ni, Cu, Ru, Rh, Pd, Os, Ir, Pt, Au}$ ) with Disordered  $AlB_2$ - and  $\alpha\text{-ThSi}_3$ -Type  
**Structures.**  
*J. Alloy. Compd.* **201**<sub>1/2</sub> (1993) 157–9. [\[DOI\]](#)
113. R.Pöttgen, **D. KACZOROWSKI**, W.Jeitschko,  
**Crystal Structure, Magnetic Susceptibility and Electrical Conductivity of the Uranium Silicide**  
**Carbides  $U_3\text{Si}_2\text{C}_2$  and  $U_{20}\text{Si}_{16}\text{C}_3$ .**  
*J. Mater. Chem.* **3**<sub>3</sub> (1993) 253–8. [\[DOI\]](#)
114. **K. ROGACKI, C. SUŁKOWSKI**, W.Sadowski, E.Walker, M.Peter,  
**Magnetization and Critical Currents of  $Nd_{2-x}\text{Ce}_x\text{CuO}_{4-y}$  Single Crystals.**  
*Appl. Supercond.* **1**<sub>7-9</sub> (1993) 1205–11. [\[DOI\]](#)  
3rd World Congr.on Superconductivity, MÜNCHEN, DE, 1992.09 14–18
115. **A. ROJEK, B. CENDLEWSKA**,  
**Effect of Sb Additions on the Formation of the High- $T_c$  Phase in Bi-Pb-Sr-Ca-Cu-O**  
**Superconducting Thick Films.**  
*Solid State Commun.* **86**<sub>11</sub> (1993) 735–8. [\[DOI\]](#)
116. **A. RUBASZEK, A.Kiejna, S. DANIUK**,  
**Electron-Positron Annihilation Characteristics at a Metal Surface: Simple Metals.**  
*J. Phys. Cond. Matt.* **5**<sub>44</sub> (1993) 8195–210. [\[DOI\]](#)
117. **W. RYBA-ROMANOWSKI**,  
**Disordered Nd Doped Crystals for Diode Pumping.**  
*Acta Phys. Pol. A* **84**<sub>5</sub> (1993) 945–52.  
Winter Worksh.on Spectroscopy & Structure of Rare Earth Systems, KARPACZ, PL, 1993.03 25–28
118. **W. RYBA-ROMANOWSKI, S. GOŁĄB, M.Berkowski**,  
**Influence of Temperature on Refractive Indices of  $BaLaGa_3O_7$  and  $SrLaGa_3O_7$ .**  
*Acta Phys. Pol. A* **83**<sub>2</sub> (1993) 167–72.
119. **W. RYBA-ROMANOWSKI, S. GOŁĄB, G. DOMINIĄK-DZIK**,  
**Influence of Temperature on Infrared to Visible Conversion in Tellurite Glass Doped with**  
**Erbium and Ytterbium.**  
*J. Phys. Chem. Solids* **54**<sub>2</sub> (1993) 153–9. [\[DOI\]](#)
120. R.Scherm, K.Guckelsberger, **A. SZPRYNGER**, B.Fåk,  
**The Dispersion of  $^3\text{He}$  Quasiparticles in He II from Neutron Scattering.**  
*J. Low Temp. Phys.* **93**<sub>1/2</sub> (1993) 57–83. [\[DOI\]](#)
121. B.Silvi, Z.Latajka, **H. RATAJCZAK**,  
**Pseudopotential Periodic HARTREE-FOCK Investigation of Potassium Dihydrogen Phosphate.**  
*Ferroelectrics* **150**<sub>3/4</sub> (1993) 303–13. [\[DOI\]](#)
122. **P. SŁAWIŃSKI**,  
**KONDO Type Behavior in  $\text{SmPb}_3$ .**  
*phys. stat. sol. (b)* **175**<sub>1</sub> (1993) K17–20. [\[DOI\]](#)
123. **I. SOKÓLSKA, E. MUGEŃSKI**,  
**Kinetics of Precipitation of  $\text{Mn}^{2+}$ -Cation Vacancy Dipoles in Doubly-Doped  $\text{KCl: Me}^{2+}, \text{Mn}^{2+}$**   
( $Me = \text{Eu}^{2+}, \text{Mg}^{2+}, \text{Ba}^{2+}$ ) Crystals.  
*phys. stat. sol. (b)* **180**<sub>2</sub> (1993) K49–51. [\[DOI\]](#)

124. N.I.Sorokina, **D. WŁOSEWICZ, T. PLACKOWSKI**,  
**Specific Heats of NbH<sub>0.87</sub> and NbH<sub>0.90</sub> in the Temperature Range 80–430 K.**  
*J. Alloy. Compd.* **194**<sub>1</sub> (1993) 141–5. [\[DOI\]](#)
125. **H. STACHOWIAK, E. BOROŃSKI, J. LACH**,  
**The Effective Electron–Positron Potential in Jellium.**  
*Acta Phys. Pol. A* **83**<sub>3</sub> (1993) 391–4.  
 24th Polish Semin.on Positron Annihilation, SOBÓTKA-GÓRKA, PL, 1992.08 27–31
126. **H. STACHOWIAK, J. LACH**,  
**Positron Annihilation Characteristics in an Electron Gas from Low to High Densities.**  
*Phys. Rev. B* **48**<sub>13</sub> (1993) 9828–30. [\[DOI\]](#)
127. **J. STEPIEŃ-DAMM, T. MORAWSKA-KOWAL, Z. DAMM**,  
**Effect of RE<sup>3+</sup> Ions Size on the Equilibrium Oxygen Content in Some (RE)Ba<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> Compounds.**  
*Pol. J. Chem.* **67**<sub>10</sub> (1993) 1799–803.
128. **W. STREK, J. Legendziewicz, E. Huskowska, E. ŁUKOWIAK, J. HANUZA**,  
**Vibronic Transitions in Centrosymmetric [Eu<sub>x</sub>La<sub>1-x</sub>AP<sub>6</sub>](ClO<sub>4</sub>)<sub>3</sub> Crystals.**  
*Acta Phys. Pol. A* **84**<sub>5</sub> (1993) 979–84.  
 Winter Worksh.on Spectroscopy & Structure of Rare Earth Systems, KARPACZ, PL, 1993.03 25–28
129. A.M.Strydom, P.de V.du Plessis, **D. KACZOROWSKI, R. TROĆ**,  
**Critical Exponent  $\beta$  of U<sub>3</sub>P<sub>4</sub>.**  
*Physica B* **186-8** (1993.05) 785–7. [\[DOI\]](#)  
 Int.Conf.on Strongly Correlated Electron Systems, SENDAI, JP, 1992.09 07–11
130. **B. SUJAK-CYRUL, J. SZCZEPAŃSKI, T. TYC**,  
**Badanie propagacji fononów balistycznych w  $\alpha$ -kwarcu metodą pomiaru czasu przelotu w wybranych kierunkach krystalograficznych.** [Investigation of Ballistic Phonons Propagation in  $\alpha$ -Quartz by the Time-of-Flight Measurement Method in Selected Crystallographic Directions.]  
*Chłodnictwo* **28**<sub>6</sub> (1993) 26–30 [in Polish].
131. **W. SUSKI, F.G.Vagizov, K. WOCHOWSKI, H. DRULIS**,  
**Magnetic Properties and <sup>57</sup>Fe MÖSSBAUER Effect in UFe<sub>10-x</sub>Ni<sub>x</sub>Si<sub>2</sub> Alloys.**  
*J. Alloy. Compd.* **201**<sub>1/2</sub> (1993) 61–5. [\[DOI\]](#)
132. **W. SUSKI, K. WOCHOWSKI, J. JANCZAK, T. PLACKOWSKI, K. ROGACKI, D. WŁOSEWICZ**,  
**Element Distribution and Specific Heat of UNi<sub>10-x</sub>Cu<sub>x</sub>Si<sub>2</sub>.**  
*Physica B* **186-8** (1993.05) 764–5. [\[DOI\]](#)  
 Int.Conf.on Strongly Correlated Electron Systems, SENDAI, JP, 1992.09 07–11
133. **W. SUSKI, K. WOCHOWSKI, A. ZYGMUNT, J. JANCZAK, B. NOWAK, K. NIEDŹWIEDŹ, O.J. ŻOGAŁ**,  
**Structure and Magnetic Properties of the UNi<sub>10-x</sub>Fe<sub>x</sub>Si<sub>2</sub> System and <sup>29</sup>Si Nuclear Magnetic Resonance in UNi<sub>10</sub>Si<sub>2</sub>.**  
*J. Alloy. Compd.* **199**<sub>1/2</sub> (1993) 67–72. [\[DOI\]](#)
134. **W. SUSKI, A. ZALESKI, D. BADURSKI, L. FOLCIK, K. WOCHOWSKI, B.Seidel, C.Geibel, F.Steglich**,  
**Magnetic, Electric and Thermal Properties of UNi<sub>10</sub>Si<sub>2</sub> and UNi<sub>8</sub>Cu<sub>2</sub>Si<sub>2</sub> Intermetallics.**  
*J. Alloy. Compd.* **198**<sub>1/2</sub> (1993) L5–7. [\[DOI\]](#)
135. **M. SUSZYŃSKA**,  
**Segregation of Secondary Phase Particles Near Dislocations in NaCl:Ni<sup>2+</sup> Crystals.**  
*Mater. Sci. Forum* **126-8** (1993) 181–4.  
 6th Int.Conf.on Intergranular and Interphase Boundaries in Materials, THESSALONIKI, GR, 1992.06 21–26

136. **M. SUSZYŃSKA**, R. Capelletti,  
Investigation of Defect Centers in Alkali Halides Doped with Trivalent Cations.  
Part 1: Bismuth in NaCl, KCl and RbCl Crystals.  
*Acta Phys. Pol. A* **83**<sub>1</sub> (1993) 25–38.
137. **M. SUSZYŃSKA**, R. Capelletti,  
Investigation of Defect Centers in Alkali Halides Doped with Trivalent Cations.  
Part 2: The NaCl:Cr<sup>3+</sup> Crystals.  
*Acta Phys. Pol. A* **83**<sub>1</sub> (1993) 39–49.
138. **M. SUSZYŃSKA**, R. Capelletti,  
Drift of Impurities toward Dislocations in NaCl:Ni<sup>2+</sup> Crystals.  
*Mater. Chem. Phys.* **34**<sub>3/4</sub> (1993) 228–32. [\[DOI\]](#)
139. **A. SZMYRKA-GRZEBYK**, **L. LIPIŃSKI**,  
Low Temperature Current–Voltage Characteristics of Silicon Diodes Used as Thermometers.  
*Cryogenics* **33**<sub>2</sub> (1993) 222–5. [\[DOI\]](#)
140. **A. SZMYRKA-GRZEBYK**, **L. LIPIŃSKI**, **H. MANUSZKIEWICZ**,  
Realizacja Międzynarodowej Skali Temperatur 1990 poniżej 0° C.  
[Realization of the International Temperature Scale of 1990 below 0° C.]  
*Normalizacja* **61**<sub>1</sub> (1993) 19–23 [in Polish].
141. **J. SZTUCKI**,  
Intensity of Electric-Quadrupole Transitions of Metal Ions in Crystals.  
*Chem. Phys. Lett.* **203**<sub>4</sub> (1993) 383–8. [\[DOI\]](#)
142. **J. SZTUCKI**,  
The Intensity of Two-Photon Vibronic Transitions for Gd<sup>3+</sup> in Cs<sub>2</sub>NaGdCl<sub>6</sub>.  
*J. Phys. Cond. Matt.* **5**<sub>36</sub> (1993) 6773–86. [\[DOI\]](#)
143. **A.E. SZUKIEL**, **K. DURCZEWSKI**,  
A Generalization of the Standard Formula for the Electrical Resistivity of Normal Rare Earth Metals.  
*Z. Phys. B* **90**<sub>3</sub> (1993) 271–6. [\[DOI\]](#)
144. Yu. Tarnavski, G.A. Puchkovskaya, **J. BARAN**,  
Resonance Interactions of Vibrational Excitations in NH<sub>4</sub>IO<sub>3</sub> · 2HIO<sub>3</sub> Crystal.  
*J. Mol. Struct.* **294** (1993.03) 61–4. [\[DOI\]](#)  
21th Eur. Congr. on Molecular Spectroscopy, VIENNA, AT, 1992.08 23–28
145. P. Thuéry, **Z. ŻOŁNIEREK**,  
Magnetic Structure of UC<sub>0.5</sub>Sn<sub>2</sub>.  
*Solid State Commun.* **85**<sub>6</sub> (1993) 485–9. [\[DOI\]](#)
146. K. Tokhadze, N. Dubnova, Z. Mielke, M. Wierzejewska-Hnat, **H. RATAJCZAK**,  
The Evolution of the  $\nu_{\text{HF}}$  Band of Weak HCN···HF, CH<sub>3</sub>CN···HF Complexes on Transition from Gas to Liquid State.  
*Chem. Phys. Lett.* **202**<sub>1/2</sub> (1993) 87–92. [\[DOI\]](#)
147. K. Tokhadze, N. Dubnova, Z. Mielke, M. Wierzejewska-Hnat, **H. RATAJCZAK**,  
On the Structure of the  $\nu_1\text{HF}$  Band of the HCN···HF Complexes with Ferromagnetic Intratrimer.  
*J. Mol. Struct.* **297** (1993.09) 161–7. [\[DOI\]](#)
148. Z. Tomkowicz, P. Fleischauser, W. Haase, M. Baran, R. Szymczak, **A.J. ZALESKI**,  
Magnetic Properties of Two Trimeric Cu (II) Complexes with Ferromagnetic Intra-trimer Interaction.  
*J. Magn. Magn. Mater.* **127**<sub>1/2</sub> (1993) L11–9. [\[DOI\]](#)

149. **V.H. TRAN, R. TROĆ, D. BADURSKI,**  
**Magnetic and Transport Properties of UCuGa, U<sub>2</sub>CuGa<sub>3</sub> and UAuGa.**  
*J. Alloy. Compd.* **199**<sub>1/2</sub> (1993) 193–6. [\[DOI\]](#)
150. **V.H. TRAN, Z. ŻOŁNIEREK, R. TROĆ,**  
**Transition from the Antiferromagnetism, through Ferromagnetic Spin Fluctuations to the Kondo State in UPd<sub>5-x</sub>Au<sub>x</sub>.**  
*J. Alloy. Compd.* **196**<sub>1/2</sub> (1993) 219–23. [\[DOI\]](#)
151. **V.H. TRAN, R. TROĆ,**  
**Magnetic Behavior of UPdAl, UCuGa and UCuSn.**  
*Int. J. Mod. Phys. B* **7**<sub>1–3</sub> (1993) 850–4 [pt II]. [\[DOI\]](#)  
*Int. Conf. on the Physics of Transition Metals, DARMSTADT, DE, 1992.07* 20–24
152. **V.H. TRAN, R. TROĆ,**  
**Magnetic and Transport Properties of the UAuM Series, M = Al, Ga, Si, Ge and Sn.**  
*Physica B* **186-8** (1993.05) 744–8. [\[DOI\]](#)  
*Int. Conf. on Strongly Correlated Electron Systems, SENDAI, JP, 1992.09* 07–11
153. **R. TROĆ, D. KACZOROWSKI, M. Kolenda, A. Szytuła, M. Bonnet, J. Rossat-Mignod, H. Noël,**  
**Magnetic Behavior of UCo<sub>2</sub>P<sub>2</sub>.**  
*Solid State Commun.* **87**<sub>6</sub> (1993) 573–6. [\[DOI\]](#)
154. **R. TROĆ, V.H. TRAN, F.G. Vagizov, H. DRULIS,**  
**Magnetic, Transport and MÖSSBAUER Effect Study of UFeAl.**  
*J. Alloy. Compd.* **200**<sub>1/2</sub> (1993) 37–42. [\[DOI\]](#)
155. **S. TROJANOWSKI, M. KAZIMIERSKI, M. WASILEWSKI,**  
**Zastosowanie kubków ferrytowych w czujnikach indukcyjnych małych przemieszczeń.**  
**[Application of Pot Ferrite Cores in Design of Induction Sensors of Small Displacements.]**  
*Pomiar. Autom. Kontr.* **39**<sub>8</sub> (1993) 185–8 [in Polish].
156. F.G. Vagizov, A.V. Andreev, **W. SUSKI, H. DRULIS, T. Goto,**  
**Structure, Magnetic Properties and the <sup>57</sup>Fe MÖSSBAUER Effect in the LuFe<sub>11-x</sub>Al<sub>x</sub>Ti System.**  
*Physica B* **190**<sub>2/3</sub> (1993) 126–30. [\[DOI\]](#)
157. V.F. Vagizov, **H. DRULIS, W. SUSKI, A.V. Andreev,**  
**<sup>57</sup>Fe MÖSSBAUER Effect Study of UFe<sub>10-x</sub>Al<sub>x</sub>Si<sub>2</sub> System.**  
*J. Alloy. Compd.* **191**<sub>2</sub> (1993) 213–7. [\[DOI\]](#)
158. Y.S. Wang, P. Bennema, L.W.M. Schreurs, C.J. Beers, **J. WNUK, P. van der Linden,**  
**The Improvement of Superconductivity in Pb<sub>x</sub>Bi<sub>2-x</sub>Sr<sub>2</sub>CaCu<sub>2</sub>O<sub>y</sub>.**  
*Cryst. Res. Technol.* **28**<sub>2</sub> (1993) 253–6. [\[DOI\]](#)
159. Y.S. Wang, J.P. van der Eerden, P. Bennema, L.W.M. Schreurs, **J. WNUK, P. van der Linden,**  
**Surface Coarsening on High-T<sub>c</sub> Superconducting Single Crystals.**  
*Cryst. Res. Technol.* **28**<sub>3</sub> (1993) 345–50. [\[DOI\]](#)
160. **A. WAŚKOWSKA, J. JANCZAK, Z. Czapla,**  
**Crystal Structure of Diguandine Hexachlorate Tellurate (IV).**  
*J. Alloy. Compd.* **196**<sub>1/2</sub> (1993) 255–7. [\[DOI\]](#)
161. **R. WAWRYK, K. BALCEREK, CZ. MARUCHA, J. RAFAŁOWICZ,**  
**Elastic and Inelastic Thermal Resistivity Components and LORENZ Function for Zn-Doped Tin Single Crystals.**  
*J. Therm. Anal. Calorim.* **39**<sub>10</sub> (1993) 1339–46.

162. **M. WOŁCYRZ, R. HORYŃ,**  
**X-ray Powder Diffraction Studies of the  $\text{BiSr}_{3-x}\text{La}_x\text{O}_{5.5-y}$  Section ( $0 \leq x \leq 1$ ) of the Bi–Sr–La–O System.**  
*J. Alloy. Compd.* **202**<sub>1/2</sub> (1993) 143–6. [\[DOI\]](#)
163. Z.Xu, **H. DRULIS,** L.E.De Long, J.W.Brill,  
**Evidence for Possible Interaction between CDW and Magnetic Vortices in  $2\text{H-NbSe}_2$  : Comparison with  $2\text{H-NbS}_2$  .**  
*J. Phys. IV (France)* **3** Colloq. 2 (1993) C2-27–32.  
*Int.Worksh.on Electronic Crystals (ECRYS'93)* CARRY-le-ROUET, FR, 1993.06 02–04
164. A.M.Яремко, **H. RATAJCZAK, J. BARAN,**  
**Резонансные явления и форма полос колебаний Н-связей кристалла  $\text{CsHSeO}_4$  .**  
 [Resonance Interactions and Band Shapes in Vibrational Spectra of  $\text{CsHSeO}_4$  Hydrogen-Bonded Crystal.]  
*Хим. Физ.* **12**<sub>7</sub> (1993) 915–25 [in Russian]. Engl. in: *Sov. J. Chem. Phys.* **12**<sub>7</sub> (1993) \*\*\*-\*\*.
165. O.J.Żogał, C.Juszczak, A.H.Vuorimäki, E.E.Ylinen, M.Punkkinen, **H. DRULIS,**  
**Nuclear Magnetic Resonance Line Shape of  $^{139}\text{La}$  in Nonstoichiometric Lanthanum Hydrides at Low Temperatures.**  
*J. Alloy. Compd.* **191**<sub>2</sub> (1993) 207–12. [\[DOI\]](#)
166. **O.J. ŻOGAŁ, B. NOWAK,**  
**Electron Band Structure of Transition Metal Dihydrides Monitored by Metal Nuclei NMR.**  
*Z. phys. Chem.* **181**<sub>1/2</sub> (1993) 43–53.  
*3rd Int.Symp.on Metal-Hydrogen Systems, Fundamentals & Applications,* UPPSALA, SE, 1992.06 08–12
167. **Z. ŻOŁNIEREK, T. PLACKOWSKI, D. WŁOSEWICZ, K. ROGACKI, A.J. ZALESKI, J. JANCZAK,**  
**Magnetic Phase Transition in  $\text{UAu}_{1.1}\text{Ga}_{2.5}$  .**  
*Physica B* **192**<sub>4</sub> (1993) 351–7. [\[DOI\]](#)

PUBLIKACJE W MATERIAŁACH KONFERENCYJNYCH  
PUBLICATIONS IN CONFERENCE MATERIALS

168. K.J.Berg, P.Grau, M.Petzold, **M. SUSZYŃSKA**,  
**Crack-Formation Phenomena Near VICKERS-Indentation in Chemically Pre-treated Sodium-Silica Glasses.**  
In: *Defects in Insulating Materials. 12*, ed. by O.Kanert & J.-M.Spaeth (World Sci., Singapore 1993) Vol. I, pp. 914–6.  
*Int.Conf on Defects in Insulating Materials*, Schloß NORDKIRCHEN, DE, 1992.08 16–22
169. E.Camarillo, L.Nuñez, J.A.Sanz García, **B. MACALIK**, F.Cussó, F.Jaque,  
**Energy Transfer Study of LiNbO<sub>3</sub> : Cr<sup>3+</sup>, Tm<sup>3+</sup>.**  
In: *Defects in Insulating Materials. 12*, ed. by O.Kanert & J.-M.Spaeth (World Sci., Singapore 1993) Vol. II, pp. 1097–9.  
*Int.Conf on Defects in Insulating Materials*, Schloß NORDKIRCHEN, DE, 1992.08 16–22
170. L.J.Challis, N.N.Zinov'ev, R.Fletcher, **B. SUJAK-CYRUL**, A.V.Akimov, A.J.Jeziński,  
**Cyclotron Phonon and Photon Emission from Two-Dimensional Electron Gases (2DEGs) in GaAs/(AlGa)As Heterostructures.**  
In: *Phonon Scattering in Condensed Matter. VII*, ed. by M.Meissner & R.O.Pohl, [*Springer Series in Solid State Sciences*, Vol. 112] (Springer-Vg, Berlin 1993) pp. 369–370.  
*The Institute of Physics Condensed Matter Conf.*, SOUTHAMPTON, England, UK, 1992.12
171. J.Court, **J.M. JABŁOŃSKI**, S.Hamar-Thibault,  
**Hydrogenation of Citral in the Liquid Phase over New Bimetallic Ni–M Catalyst Supported on Graphite.**  
In: *Heterogeneous Catalysis & Fine Chemicals III*, ed. by M.Guisnet et al. [Stud.Surf.Sci.Catal. vol. 78] (Elsevier, Amsterdam 1993) pp. 155–62.  
*3rd Int.Symp.on Heterogeneous Catalysis & Fine Chemicals*, POITIERS, FR, 1993.04 05–08
172. R.Eder, **P. WRÓBEL**,  
**Quasiparticles in the  $t$ - $J$  Model.**  
In: *Strongly Correlated Electron Systems and Narrow Band Phenomena in Solids*, ed. by J.Aksamit & M.Matlak (Dept.Theor.Phys., Silesian Univ., Katowice 1993) pp. 55–67.  
*16th Int.Sch.of Theoretical Physics*, Ustroń–JASZOWIEC, PL, 1992.09
173. **J.M. JABŁOŃSKI**, **L. KRAJCZYK**,  
**Redukcja układu Co (II),Pt (II) / zeolit Y badana metodą wysokorozdzielczej mikroskopii elektronowej.** [Reduction of the Co(II),Pt(II) / Zeolite Y System with Hydrogen, Investigated by High Resolution Electron Microscopy.  
In: *VIII Konferencja Mikroskopii Elektronowej Ciała Stałego*, ed. by \*.\*\*\* (\*\*\*, Wrocław 1993) pp. 144–7 [in Polish].  
*VIII Konf. Mikroskopii Elektronowej Ciała Stałego [8th Conf.on Solid State Electron Microscopy]* WROCLAW & SZKLARSKA POREBA, 1993.04 20–23
174. **B. MACALIK**, J.E.Munoz Santiuste, A.Lorenzo, L.E.Bausa, J.A.Sanz García, J.García SoléC, A.Monteil,  
**Fluorescence of Eu<sup>3+</sup> and Ho<sup>3+</sup> in LiNbO<sub>3</sub>: Effect of Co-doping with MgO.**  
In: *Defects in Insulating Materials. 12*, ed. by O.Kanert & J.-M.Spaeth (World Sci., Singapore 1993) Vol. II, pp. 1223–5.  
*Int.Conf on Defects in Insulating Materials*, Schloß NORDKIRCHEN, DE, 1992.08 16–22
175. **W. MIŚTA**, **R. KLIMKIEWICZ**, A.W.Morawski, **T. PLACKOWSKI**,  
**Synthesis and Characterization of Bi–K-Intercalated Graphite.**  
In: *Biennial Conference on Carbon, Buffalo'93* ed. by \*.\*\*\* (American Carbon Society, New York, NY 1993) pp. 606–7.  
*21st Bienn.Conf.on Carbon*, BUFFALO, NY, US, 1993.06 13–18

176. **D. POTOCZNA-PETRU, L. KĘPIŃSKI,**  
**Badania układu Co–SiO<sub>2</sub> metodą transmisyjnej mikroskopii elektronowej.** [Investigation of the Co–SiO<sub>2</sub> System by TEM Method.]  
 In: *VIII Konferencja Mikroskopii Elektronowej Ciała Stałego*, ed. by \*.\*\*\* (\*\*\*, Wrocław 1993) pp. 148–51 [in Polish].  
*VIII Konf. Mikroskopii Elektronowej Ciała Stałego [8th Conf.on Solid-State Electron Microscopy]* WROCŁAW & SZKLARSKA PORĘBA, 1993.04 20–23
177. **I. SOKÓLSKA, E. MUGEŃSKI, R. CYWIŃSKI,**  
**The Effect of Precipitation of Dopant Ions on the Luminescence in KCl: Me<sup>2+</sup>, Mn<sup>2+</sup> Crystals.**  
 In: *Defects in Insulating Materials. 12*, ed. by O.Kanert & J.-M.Spaeth (World Sci., Singapore 1993) Vol. II, pp. 1288–90.  
*Int.Conf on Defects in Insulating Materials*, Schloß NORDKIRCHEN, DE, 1992.08 16–22
178. **B. SUJAK-CYRUL, J. SZCZEPAŃSKI, T. TYC,**  
**Ballistic Phonons Propagation in AT–Cut Quartz.**  
 In: *Die Kunst der Phonons: Lectures from the Winter School of Theoretical Physics*, ed. by T.Paszkievicz & K.Rapcevicz (Plenum, New York, NY 1993) pp. \*\*\*–\*\*.   
*29th Winter Sch.of Theoretical Physics*, KARPACZ, PL, 1992.02 15–27
179. **M. SUSZYŃSKA, R.Capelletti,**  
**ITC and EPR Characteristics of Cr<sup>3+</sup> Ions in NaCl Crystals.**  
 In: *Defects in Insulating Materials. 12*, ed. by O.Kanert & J.-M.Spaeth (World Sci., Singapore 1993) Vol. I, pp. 611–3.  
*Int.Conf on Defects in Insulating Materials*, Schloß NORDKIRCHEN, DE, 1992.08 16–22
180. **M. SUSZYŃSKA, R.Capelletti,**  
**The Role of Dislocations in Precipitation of Nickel in NaCl Crystals.**  
 In: *Defects in Insulating Materials. 12*, ed. by O.Kanert & J.-M.Spaeth (World Sci., Singapore 1993) Vol. II, pp. 917–9.  
*Int.Conf on Defects in Insulating Materials*, Schloß NORDKIRCHEN, DE, 1992.08 16–22
181. **A. SZMYRKA-GRZEBYK, L. LIPIŃSKI, H. MANUSZKIEWICZ,**  
**Thermometric Characteristics of ZENER Diodes in Low Temperature Range.**  
 In: *TEMPMEKO'93 Proceedings*, ed. by a team (Tech-Market, Prague 1993) pp. 191–4.  
*Int.Symp.on Temperature and Thermal Measurement in Industry and Science*, PRAGUE, CZ, 1993.11 09–11
182. **R. TROĆ, D. BADURSKI, V.H. TRAN,**  
**Electron Transport in the UTSn Series (T = Ni, Pd, Pt, Cu and Au).**  
 In: *Transport and Thermal Properties of f-Electron Systems*, ed. by H.Fujii, T.Fujita & G.Oomi (Plenum, New York, NY 1993) pp. 123–32.  
*Hiroshima Worksh.on Transport and Thermal Properties of f-Electron Systems*, HIROSHIMA, JP, 1992.08 30 –.09 02



LISTA PREZENTACJI KONFERENCYJNYCH  
LIST OF CONFERENCE PRESENTATIONS

1. A.V.Andreev, Ye.V.Scherbakova, F.G.Vagizov, **W. SUSKI, H. DRULIS**, T.Goto,  
**Magnetic Properties of Lu(Fe,Al,M)<sub>12</sub> Compounds (M = Si, Ti).** (P)  
*5th Eur. Magnetic Materials & Application Conf. (EMMA'93)* KOŠICE, SK, 1993.08 24–27
2. G.André, F.Bourée, A.Bombik, A.Oleś, W.Sikora, M.Kolenda, A.Szytuła, A.Pacyna, **A. ZYGMUNT**,  
**Magnetic Structure of RNiGe and RPdSn Compounds.** (P)  
*[1st] Eur.Conf.on Physics of Magnetism (PM'93)* POZNAŃ, PL, 1993.06 21–24
3. K.Antonova, M.Petrov, N.Kirov, T.Tenev, **H. RATAJCZAK, J. BARAN**,  
**Far-IR Spectroscopic Investigations of Nematic Liquid Crystals with Hydrogen-Bonded Molecules.** (P)  
*2nd Natl.Conf.on Molecular Spectroscopy [w/Int.Particip.]* WROCLAW, PL, 1993.09 27–30
4. M.Ausloos, P.Clippe, S.K.Patapis, **K. DURCZEWSKI**,  
**Thermoelectric Power of High Temperature Superconductors.** (P)  
*Belgium Physical Society Meet.,* LIÈGE, BE, 1993.05 21–22
5. K.Bakker, **P. WIŚNIEWSKI, Z. HENKIE**, J.J.M.Franse,  
**Effect of Spin Reorientation Transition on Magnetoresistivity of Non-collinear Ferromagnet U<sub>3</sub>As<sub>4</sub>.** (P)  
*[1st] Eur.Conf.on Physics of Magnetism (PM'93)* POZNAŃ, PL, 1993.06 21–24
6. **J. BARAN**,  
**Vibrational Properties of Hydrogen Bonds in Sulphuric and Selenic Acid Salts.** (I)  
*Conf.on Vibrational Spectroscopy,* MINSK, BY, 1993.10 03–05
7. **J. BARAN**, A.J.Barnes, **H. RATAJCZAK**,  
**Polarized RAMAN Spectra of Diglycine Nitrate Single Crystal in the Lattice Vibration Region.** (P)  
*2nd Natl.Conf.on Molecular Spectroscopy [w/Int.Particip.]* WROCLAW, PL, 1993.09 27–30
8. **J. BARAN**, Z.Czapla, J.Lis, **M.K. MARCHEWKA, H. RATAJCZAK**,  
**FT-IR and DSC Studies of Phase Transition in (CH<sub>3</sub>)<sub>2</sub>NH<sub>2</sub>Al(SO<sub>4</sub>)<sub>2</sub> · 6H<sub>2</sub>O.** (P)  
*2nd Natl.Conf.on Molecular Spectroscopy [w/Int.Particip.]* WROCLAW, PL, 1993.09 27–30
9. **J. BARAN, H. RATAJCZAK**, B.Lutz, J.van der Maas,  
**Polarized FT-IR Micro-spectrometry via External Reflection on Single Crystals of Diglycine Hydrochloride.** (P)  
*2nd Natl.Conf.on Molecular Spectroscopy [w/Int.Particip.]* WROCLAW, PL, 1993.09 27–30
10. G.Bator, R.Jakubas, **J. BARAN, H. RATAJCZAK**,  
**Infrared Studies of Structural Phase Transitions in (CH<sub>3</sub>NH<sub>3</sub>)<sub>3</sub>Bi<sub>2</sub>I<sub>9</sub> (MAIB).** (P)  
*2nd Natl.Conf.on Molecular Spectroscopy [w/Int.Particip.]* WROCLAW, PL, 1993.09 27–30
11. G.Bator, R.Jakubas, **J. BARAN**, L.Sobczyk,  
**Infrared Studies of Ferroelectric Phase Transition in [NH<sub>2</sub>(CH<sub>3</sub>)<sub>2</sub>]<sub>3</sub>Sb<sub>2</sub>Br<sub>9</sub>.** (P)  
*8th Int.Meet.on Ferroelectricity,* GAITHESBOURG, MD, US, 1993.08 08–13
12. D.A.Berezyuk, O.I.Bodak, F.G.Vagizov, **K. WOCHOWSKI, W. SUSKI, H. DRULIS**,  
**Magnetic Properties and <sup>57</sup>Fe MÖSSBAUER Effect in the Sub-stoichiometric Ln-Fe-(Re,Mo) Systems with ThMn<sub>12</sub> Structure.** (I)  
*20th Rare Earth Research Conf.,* MONTEREY, CA, US, 1993.09 12–17

13. **E. BOROŃSKI, H. STACHOWIAK,**  
**Energia korelacji pozytronu w gazie elektronowym.**  
 [Correlation Energy for a Positron in an Electron Gas.] (L)  
*XXV Og.-pol.Semin. Anihilacji Pozytonów [27th Pol.Semin.on Positron Annihilation]* KARPACZ, PL, 1993.06 07–11
14. W.Bronowska, **A. PIETRASZKO,**  
**Low-Temperature Structure Investigations of  $[(\text{NH}_4)_{1-x}\text{Rb}_x]\text{H}(\text{SO}_4)_2$  Mixed Crystals.** (P)  
*XXXV Konwers. Krystalograficzne [35th Polish Crystallographic Meet.]* WROCLAW, PL, 1993.06 29–30
15. **G.W. CHADZYŃSKI, J. STĘPIEŃ-DAMM, J.Z. DAMM,**  
**Kinetics of Oxygen Loss in Some  $\text{REBa}_2\text{Cu}_3\text{O}_{7-x}$  Compounds.** (P)  
*IV Kraj.Symp.: „Nadprzewodnictwo wysokotemperaturowe” [4th Natl.Symp.on High- $T_c$  Superconductivity]* POZNAŃ, PL, 1993.09 06–07
16. **M. CISZEK, J. OLEJNICZAK, A.J. ZALESKI, P.W. KLAMUT, H. DRULIS,**  
 **$a_c$  Permeability in Hydrogenated  $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$  Ceramic Superconductor.** (P)  
*IV Kraj.Symp.: „Nadprzewodnictwo wysokotemperaturowe” [4th Natl.Symp.on High- $T_c$  Superconductivity]* POZNAŃ, PL, 1993.09 06–07
17. **R. CYWIŃSKI,**  
**Aggregation Processes in the  $\text{KCl} : \text{Eu}^{2+}, \text{Sm}^{2+}$  System.** (P)  
*[1st] Wint.Worksh.on Spectroscopy & Structure of Rare Earth Systems,* KARPACZ, PL, 1993.03 25–28
18. **R. CYWIŃSKI,**  
**Optical Properties of Doubly-Doped  $\text{KCl} : \text{Eu}^{2+}, \text{Sm}^{2+}$  Crystals.** (P)  
*Int.Conf.on Luminescence,* STORRS, CT, US, 1993.08 09–13
19. N.A.Davydova, **J. BARAN, H. RATAJCZAK,**  
**Evidence of Structural Transformation by RAMAN Scattering in  $\text{PbI}_2$  Crystal.** (P)  
*2nd Natl.Conf.on Molecular Spectroscopy [w/Int.Particip.]* WROCLAW, PL, 1993.09 27–30
20. **P.J. DEREŃ, W. STRĘK, J.Drożdżyński,**  
**Luminescence Properties of  $\text{U}^{3+}$ -Doped Chloride Elpasolite.** (P)  
*2nd Natl.Conf.on Molecular Spectroscopy [w/Int.Particip.]* WROCLAW, PL, 1993.09 27–30
21. **P. DEREŃ, W. STRĘK, U.Oetliker, H.U.Güdel,**  
**The Infrared Luminescence of  $\text{MgAl}_2\text{O}_4 : \text{Co}^{2+}$  Blue Spinel.** (P)  
*IV Symp.Techniki Laserowej [4th (Natl.) Symp.on Laser Technology,* ŚWINOUJŚCIE (Szczecin) PL, 1993.09 26–30
22. **P. DEREŃ, W. STRĘK, U.Oetliker, H.U.Güdel,**  
**Visible and Infrared Emission of  $\text{Co}^{2+}$  Ions Doped with Synthetic Spinel.** (P)  
*2nd Natl.Conf.on Molecular Spectroscopy [w/Int.Particip.]* WROCLAW, PL, 1993.09 27–30
23. Z.Domański, **T.K. KOPEĆ, F.Pázmándi, P.Erdős,**  
**Spin Glasses with Cubic Anisotropy.** (P)  
*38th Ann.Conf.on Magnetism & Magnetic Materials,* MINNEAPOLIS, MN, US, 1993.11 15–18
24. **G. DOMNIAK-DZIK, S. GOŁĄB, I.Pracka, W. RYBA-ROMANOWSKI,**  
**Mechanizm obsadzania i relaksacji stanów metastabilnych jonu  $\text{Er}^{3+}$  w  $\text{LiNbO}_3$ .** [Mechanism of Population Build up and Relaxation of the Metastable States of  $\text{Er}^{3+}$  in  $\text{LiNbO}_3$ .] (P)  
*IV Symp.Techniki Laserowej [4th (Natl.) Symp.on Laser Technology,* ŚWINOUJŚCIE (Szczecin) PL, 1993.09 26–30
25. **G. DOMNIAK-DZIK, S. GOŁĄB, W. RYBA-ROMANOWSKI,**  
**Relaxation of the  $^4\text{S}_{3/2}$  Level of  $\text{Er}^{3+}$  in  $\text{Cs}_2\text{NaErCl}_6$ .** (P)  
*[1st] Wint.Worksh.on Spectroscopy & Structure of Rare Earth Systems,* KARPACZ, PL, 1993.03 25–28

26. E.Dudziak, J.Bożym, D.Pruchnik, **J. BARAN**,  
**Investigation of Phonons in HgCdMnTe Using Far-Infrared Reflectivity.** (P)  
*22nd Int.Sch.on Physics of Semiconducting Compounds*, JASZOWIEC, PL, 1993.05 22–28
27. V.N.Duginov, V.G.Grebinnik, **R. HORYŃ**, B.F.Kirillov, **J. KLAMUT**, I.A.Krivosheev, T.N.Mamedov,  
V.G.Olshevskii, A.V.Pirogov, Y.Yu.Pomyakushin, A.N.Ponomarev, **A.J. ZALESKI**, V.A.Zhukov,  
**Two Successive Temperature Magnetic Transitions in Y<sub>2</sub>Cu<sub>2</sub>O<sub>5</sub> Studied by  $\mu$ SR.** (P)  
*Summ.Sch.& 6th Int.Conf.on Muon Spin Rotation/Relaxation/Resonance ( $\mu R^3$ )*,  
WAILEA (Maui) HI, US, 1993.05 31 –.06 11
28. **Z. GAJEK**,  
**Simple Parametrization Scheme for Electric Dipole Intensities.** (P)  
*[1st] Wint.Worksh.on Spectroscopy & Structure of Rare Earth Systems*, KARPACZ, PL, 1993.03 25–28
29. **Z. GALASIEWICZ**,  
**Quadratic Response for Systems Evolving in Time under Unitary Transformations.** (L)  
*14th Dynamics Days*, RYDZYNA, PL, 1993.06 09–12
30. **Z. GALASIEWICZ**,  
**The Life and Scientific Work of Max BORN.** (L)  
*4th Max-Born-Symp. – Solid State I*, KARPACZ, PL, 1993.09 28–30
31. **E. GALDECKA**,  
**The Profile Fitting in Single-Crystal X-ray Diffractometry.** (P)  
*16th Congr.& Gen.Assy of the Int. Union of Crystallography*, BEIJING, CN, 1993.08 21–29
32. **E. GALDECKA**,  
**Aproksymacja profili rentgenowskich w dyfraktometrii monokrystalicznej.** [Approximation of X-ray  
Profiles in Single-Crystal Diffractometry.] (L)  
*XXXV Konwers. Krystalograficzne [35th Polish Crystallographic Meet.]* WROCLAW, PL, 1993.06 29–30
33. A.Gil, A.Szytuła, Z.Tomkowicz, K.Wojciechowski, **A. ZYGMUNT**,  
**Susceptibility of the Rare Earth Ternary RNiSi<sub>2</sub> and RNiGe<sub>2</sub> Compounds.** (C)  
*[1st] Eur.Conf.on Physics of Magnetism (PM'93)* POZNAŃ, PL, 1993.06 21–24
34. **J. HANUZA**, **K. HERMANOWICZ**, **M. MAĆZKA**, **W. RYBA-ROMANOWSKI**,  
**Translatory Lattice Modes and LO  $\longleftrightarrow$  TO Splitting in BaLaGa<sub>3</sub>O<sub>7</sub> and SrLaGa<sub>3</sub>O<sub>7</sub> Single  
Crystals.** (P)  
*2nd Natl.Conf.on Molecular Spectroscopy [w/Int.Particip.]* WROCLAW, PL, 1993.09 27–30
35. **J. HANUZA**, **L. MACALIK**, **B. MACALIK**, **W. STREK**,  
**Spectroscopic Properties of Eu<sup>3+</sup> Ion in KEu(MoO<sub>4</sub>)<sub>2</sub>.** (P)  
*[1st] Wint.Worksh.on Spectroscopy & Structure of Rare Earth Systems*, KARPACZ, PL, 1993.03 25–28
36. **J. HANUZA**, **L. MACALIK**, **B. MACALIK**, **W. STREK**,  
**Electron Absorption and Emission Spectra of Eu<sup>3+</sup> in KEu(WO<sub>4</sub>)<sub>2</sub>.** (P)  
*[1st] Wint.Worksh.on Spectroscopy & Structure of Rare Earth Systems*, KARPACZ, PL, 1993.03 25–28
37. **J. HANUZA**, **M. MAĆZKA**, **L. MACALIK**, J.H.van der Maas,  
**Polarized RAMAN Spectra of NaBi(MoO<sub>4</sub>)<sub>2</sub> Crystal – Order-Disorder Effect in Solid  
Scheelites.** (P)  
*2nd Natl.Conf.on Molecular Spectroscopy [w/Int.Particip.]* WROCLAW, PL, 1993.09 27–30
38. **Z. HENKIE**, **T. CICHOREK**, **H. DRULIS**, **J. KLAMUT**,  
**Similarity of Hydrogenation and Deoxygenation of H<sub>y</sub>SmBa<sub>2</sub>Cu<sub>3</sub>O<sub>6.92-x</sub> Shown by  
Thermoelectric Power.** (P)  
*IV Kraj.Symp.: „Nadprzewodnictwo wysokotemperaturowe” [4th Natl.Symp.on High-T<sub>c</sub>  
Superconductivity]* POZNAŃ, PL, 1993.09 06–07

39. **Z. HENKIE, T. CICHOREK, R. HORYŃ, A. WOJAKOWSKI, W. IWASIECZKO,**  
**Influence of Elevated Pressure Oxygenation of  $\text{Bi}_8\text{Sr}_{8-x}\text{Ca}_{4+x}\text{Cu}_9\text{O}_y$  on Its Transport Properties.** (P)  
*IV Kraj.Symp.: „Nadprzewodnictwo wysokotemperaturowe” [4th Natl.Symp.on High- $T_c$  Superconductivity]* POZNAŃ, PL, 1993.09 06–07
40. **Z. HENKIE, R. FABROWSKI, A. WOJAKOWSKI,**  
**Electron Transport Properties of UAsSe.** (P)  
*[1st] Eur.Conf.on Physics of Magnetism (PM’93)* POZNAŃ, PL, 1993.06 21–24
41. **R. HORYŃ, A. WOJAKOWSKI,** O.Peña, M.Sergent,  
**Single Crystal Growth of Some Ternary Rare-Earth Molybdenum Selenides (CHEVREL Phases).** (P)  
*IV Kraj.Symp.: „Nadprzewodnictwo wysokotemperaturowe” [4th Natl.Symp.on High- $T_c$  Superconductivity]* POZNAŃ, PL, 1993.09 06–07
42. M.M.Ilczyzyn, T.Lis, **J. BARAN, J.Lis, H. RATAJCZAK,**  
**Vibrational Spectroscopy and X-ray Investigation of Betaine–Maleic Acid Single Crystal.** (P)  
*2nd Natl.Conf.on Molecular Spectroscopy [w/Int.Particip.]* WROCLAW, PL, 1993.09 27–30
43. M.M.Ilczyzyn, **H. RATAJCZAK, P. FEDCZYSZYN,**  
**Badania strukturalne i spektroskopowe kompleksu betainy z kwasem siarkowym.** [Structural and Spectroscopic Investigations of the Betaine–Sulphuric Acid Complex.] (P)  
*Symp. „Materiały Molekularne’93” [Natl.Symp.on Molecular Materials]* ŚWIERADÓW-Zdrój, PL, 1993.06 16–20
44. Y.Inada, H.Aono, J.Kimura, A.Ishiguro, N.Sato, A.Sawada, T.Komatsubara, **D. KACZOROWSKI, R. TRÓC,**  
**dH vA Effect on  $\text{U}_3\text{As}_4$ .** (P)  
*20th Int.Conf.on Low Temperature Physics (LT-20)* EUGENE, OR, US, 1993.08 04–11
45. **J.M. JABŁOŃSKI, L. KRAJCZYK,**  
**Redukcja układu Co(II), Pt(II)/Zeolit Y badana metodą wysokorozdzielczej mikroskopii elektronowej.** [Reduction of the Co(II),Pt(II)/Zeolite Y System with Hydrogen, Investigated by High-Resolution Electron Microscopy.] (P)  
*VIII Konf.Mikroskopii Elektronowej Ciała Stałego [8th Polish Conf.on Electron Microscopy of Solid State]* WROCLAW & SZKLARSKA POREBA, PL, 1993.04 20–23
46. **J. JANCZAK, R. KUBIAK,**  
**Crystal and Molecular Structures of the New Metallobicyclophtalocyanides.** (P)  
*16th Congr.& Gen.Assy of the Int. Union of Crystallography,* BEIJING, CN, 1993.08 21–29
47. **J. JANCZAK, R. KUBIAK,**  
**Synthesis, Crystal and Molecular Structures of New Metallophthalocyanines.** (C)  
*16th Congr.& Gen.Assy of the Int. Union of Crystallography,* BEIJING, CN, 1993.08 21–29
48. **J. JANCZAK, R. KUBIAK,**  
**Ftalocyjaniny — struktura i właściwości.** [The Structure and Properties of Phthalocyanines.] (L)  
*XXXV Konwers. Krystalograficzne [35th Polish Crystallographic Meet.]* WROCLAW, PL, 1993.06 29–30
49. **J. JANCZAK, R. KUBIAK,**  
**The Differences in the Crystal Structure between the  $\alpha$  and  $\beta$ -Form [of] 1,2-Dicyanobenzene Tetramers.** (P)  
*XXXV Konwers. Krystalograficzne [35th Polish Crystallographic Meet.]* WROCLAW, PL, 1993.06 29–30
50. **J. JANCZAK, R. KUBIAK,**  
**Crystal and Molecular Structures of the New Metallobicyclophtalocyanines:  $\text{GdC}_{48}\text{H}_{24}\text{N}_{13}$  and  $\text{InC}_{48}\text{H}_{24}\text{N}_{13}$ .** (P)  
*XXXV Konwers. Krystalograficzne [35th Polish Crystallographic Meet.]* WROCLAW, PL, 1993.06 29–30

51. **J. JANCZAK, R. KUBIAK,**  
**Crystal and Molecular Structure of Dithallium Phthalocyanine at 300 K.** (P)  
*XXXV Konwers. Krystalograficzne [35th Polish Crystallographic Meet.]* WROCLAW, PL, 1993.06 29–30
52. **J. JANCZAK, R. KUBIAK,**  
**Crystal and Molecular Structure of Tin Bisphthalocyanine at 300 K (Monoclinic Form).** (P)  
*XXXV Konwers. Krystalograficzne [35th Polish Crystallographic Meet.]* WROCLAW, PL, 1993.06 29–30
53. **Z. JAWORSKA-GALAS, W. MIŚTA, J. WRZYSZCZ, M. ZAWADZKI,**  
**Thermally Stabilized Hopcalite Catalysts in Alumina Matrix.** (P)  
*1st Eur. Congr. on Catalysis [EUROPACAT-1]* MONTPELLIER, FR, 1993.09 12–17
54. **Z. JAWORSKA-GALAS, W. MISTA, J. WRZYSZCZ, M. ZAWADZKI,**  
**Dyspersja i aktywność katalityczna Pt osadzonej na tlenkach glinu o różnej morfologii.** [Dispersion and Catalytic Activity of Pt Supported on Alumina of Different Morphology.] (P)  
*XXXVI Zj. Nauk. PTChem. i SliT.P.Chem. [36th Ann. Congr. of Polish Chemical Society]* TORUŃ, PL, 1993.09 08–11
55. J. Jędrzejewski, **J. LACH, R. ŁYŻWA,**  
**Mixed-Valence and Metal-Insulator Transitions in the Spinless FALICOV–KIMBALL Model.** (P)  
*[1st] Eur. Conf. on Physics of Magnetism (PM'93)* POZNAŃ, PL, 1993.06 21–24
56. **A. JEŻOWSKI, P. STACHOWIAK, J. MUCHA, V.V. Sumarokov,**  
**Thermal Conductivity of Solid Oxygen.** (C)  
*13th Gen. Conf. of the Condensed Matter Division of EPS,* REGENSBURG, DE, 1993.03 29 –.04 02
57. **A. JEŻOWSKI, V.V. Sumarokov, P. STACHOWIAK, Yu.A. FreĖnman,**  
**Thermal Conductivity of Solid Oxygen.** (C)  
*7th Int. Assy on Physics of Cryocrystals,* STARYI KARAVAN, UA, 1993.09 05–11
58. **D. KACZOROWSKI, H.Noël, M.Potel, A. ZYGMUNT,**  
**Structural and Magnetic Studies of UXY (X = P, Sb; Y = S, Se) Single Crystals.** (P)  
*23èmes Journées des Actinides,* BADEN-BADEN (Schwarzwald) DE, 1993.04 20–23
59. **D. KACZOROWSKI, H.Noël, R.Pöttgen,**  
**Spin-Glass Behavior in U<sub>2</sub>TSi<sub>3</sub> (T = Fe, Co, Ni, Cu) Intermetallics.** (P)  
*23èmes Journées des Actinides,* BADEN-BADEN (Schwarzwald) DE, 1993.04 20–23
60. E.Kalecińska, J.Kuduk-Jaworska, **J. KALECIŃSKI,**  
**Reactivity of Propylimidazole and Its Complexes with Platinum in Irradiated Aqueous Methanol Solutions.** (L)  
*XII Letn. Szk. Chemii Koordynacyjnej [12th Summ. Sch. on Coordination Chemistry]* KARPACZ, PL, 1993.06 06–12
61. **J. KALECIŃSKI,**  
**p-Nitrosodimethylaniline as an Electron Scavenger in Frozen Glasses.** (L)  
*18th Miller Conf. on Radiation Chemistry,* WINDERMERE, E, UK, 1993.04 03–08
62. **J. KALECIŃSKI,**  
**Tungsten Blues Radiation and Postradiation Processes in Methanol Aqueous Solutions.** (C)  
*XII Letn. Szk. Chemii Koordynacyjnej [12th Summ. Sch. on Coordination Chemistry]* KARPACZ, PL, 1993.06 06–12
63. **L. KĘPIŃSKI, W. SUSKI, K. WOCHOWSKI,**  
**Microscopic Investigations of the ThMn<sub>12</sub>-Type Uranium Ternaries.** (P)  
*Int. Conf. Actinides '93,* SANTA FÉ, NM, US, 1993.09 19–24

64. M.Kibler, **J. SZTUCKI**,  
**d and f Electrons in a  $qp$ -Quantized Cubical Field.** (P)  
*[1st] Wint.Worksh.on Spectroscopy & Structure of Rare Earth Systems*, KARPACZ, PL, 1993.03 25–28
65. N.Kirov, K.Antonova, M.Petrov, **H. RATAJCZAK, J. BARAN, M.K. MARCHEWKA**,  
**Hydrogen Bonding Dynamics and Mesomeric Behavior of Alkoxybenzoic Acids.** (I)  
*2nd Natl.Conf.on Molecular Spectroscopy [w/Int.Particip.]* WROCLAW, PL, 1993.09 27–30
66. Yu.E.Kitaev, L.V.Laisheva, M.F.Limonov, T.I.Maksimova, R.A.Evaretssov, Yu.S.Grushko, S.N.Kolesnik,  
**J. HANUZA, J. BARAN**,  
**Phonon Symmetry and Vibrational Spectra of Fullerites.** (P)  
*Int.Worksh.on Fullerenes and Atomic Clusters*, ST PETERSBURG, RU, 1993.10 04–09
67. **J. KLAMUT**,  
**Hydrogen in High- $T_c$  Superconductors.** (L)  
*IV Kraj.Symp.: „Nadprzewodnictwo wysokotemperaturowe” [4th Natl.Symp.on High- $T_c$  Superconductivity]* POZNAŃ, PL, 1993.09 06–07
68. **P.W. KLAMUT, H. DRULIS, J. OLEJNICZAK**,  
**Effect of Sr- and H-Doping on the Magnetic Properties of  $\text{Sm}_2\text{CuO}_4$ .** (P)  
*6th Int.Symp.on Superconductivity*, HIROSHIMA, JP, 1993.10 26–29
69. **P.W. KLAMUT, J. OLEJNICZAK, H. DRULIS**,  
**Sr- and H-Doping Induced Changes in the Magnetic Properties of  $\text{Sm}_2\text{CuO}_4$ .** (P)  
*IV Kraj.Symp.: „Nadprzewodnictwo wysokotemperaturowe” [4th Natl.Symp.on High- $T_c$  Superconductivity]* POZNAŃ, PL, 1993.09 06–07
70. **R. KLIMKIEWICZ, A.W.Morawski**,  
**Oxidative Dehydrogenation of Ethylbenzene over Metal–Graphite Intercalation Compounds.** (P)  
*1st Eur.Congr.on Catalysis [EUROPACAT-1]* MONTPELLIER, FR, 1993.09 12–17
71. **R. KLIMKIEWICZ, A.W.Morawski**,  
**Metal–Graphite Intercalation Compounds as New Dehydrogenation Catalysts.** (P)  
*7th Int.Symp.on Intercalation Compounds*, LOUVAIN-LA-NEUVE, BE, 1993.05 10–14
72. **R. KLIMKIEWICZ, M. ZAWADZKI**,  
**Sposób preparatyki chromowo–glinowego katalizatora odwodornienia alkanów.** [Chromia–Alumina Catalyst Preparation Method for Alkanes Dehydrogenation.] (P)  
*XXXVI Zj.Nauk. PTChem. i SliTPChem. [36th Ann.Congr.of Polish Chemical Society]* TORUŃ, PL, 1993.09 08–11
73. T.Kolosova, L.Prikhodchenko, R.Zhbankov, **M. MARCHEWKA, H. RATAJCZAK**,  
**Vibrational Spectra and Conformational Properties of Epoxyderivatives of Mono-Saccharides.** (P)  
*Conf.on Vibrational Spectroscopy*, MINSK, BY, 1993.10 03–05
74. **G. KONTRYM-SZNAJD**,  
**New Methods of Reconstruction of COMPTON Profiles.** (I)  
*1st Int.Wksh.on High Resolution Compton Scattering as a Probe of Fermiology*, CRACOW, PL, 1993.07 03–05
75. **T. KOPEĆ**,  
**Quantum Spin Glasses.** (L)  
*4th Max-Born-Symp. – Solid State I*, KARPACZ, PL, 1993.09 28–30
76. **T.K. KOPEĆ**,  
**Composite Bosons and Quantum Coherent Effects in the Negative- $U$  HUBBARD Model.** (P)  
*20th Int.Conf.on Low Temperature Physics (LT-20)* EUGENE, OR, US, 1993.08 04–11

77. E.Korolenko, E.Korolik, R.Zhbankov, A.Ivanov, **M. MARCHEWKA, H. RATAJCZAK**,  
**A Study by IR and RAMAN Spectroscopy of the Structure of Serum Albumin of Man under Ligand Load.** (P)  
*Conf.on Vibrational Spectroscopy*, MINSK, BY, 1993.10 03–05
78. **T. KRZYSZTOŃ**,  
**Flux Penetration in the Mixed State of Anisotropic Superconductors.** (P)  
*4th Max-Born-Symp. – Solid State I*, KARPACZ, PL, 1993.09 28–30
79. **T. KRZYSZTOŃ**,  
**Surface Barrier in the Mixed State of Vibrating Anisotropic Superconductor.** (P)  
*IV Kraj.Symp.: „Nadprzewodnictwo wysokotemperaturowe” [4th Natl.Symp.on High- $T_c$  Superconductivity]* POZNAŃ, PL, 1993.09 06–07
80. **R. KUBIAK, J. JANCZAK**,  
**Structural Evidences for Hydrogen Transfer Reaction in Cyanoguanidine.** (L)  
*Int.Conf.on Intermolecular Interactions in Crystallization Process and Characterization of Physical Effects in Solids*, KAZIMIERZ DOLNY, PL, 1993.09 27–28
81. M.Kuliszkiewicz-Janasz, K.Burczak, D.Urbaniak-Kujda, **H. RATAJCZAK**, S.Baczyński, J.Rosiak,  
**Ocena stanu klinicznego chorych na ostre białaczki, szpiczanki mnogie i chłoniaki złośliwe za pomocą widm fosforowych i czasów reakcji.** [Application of Phosphorescence Spectra to Valuation of the Health Condition of Patients Ill with Acute Leukaemia, etc.] (P)  
*XXI Og-pol.Semin.n/t Magnetycznego rezonansu jądrowego i jego zastosowań [21st Polish Semin.on NMR and Its Applications]* CRACOW, PL, 1993.12 01–02
82. M.Kuliszkiewicz-Janasz, **H. RATAJCZAK**, S.Baczyński,  
<sup>31</sup>P Spectra of Human Sera from Patients with Haematological Malignant Diseases. (P)  
*10th Ann.Sci.Meet.& Exhib.of The European Society for Magnetic Resonance in Medicine and Biology*, ROME, IT, 1993.06 03–06
83. M.Kuliszkiewicz-Janasz, **H. RATAJCZAK**, S.Baczyński,  
<sup>31</sup>P MRS *in vitro* Monitoring of Therapy Response of Haematological Malignant Diseases. (P)  
*12th Ann.Sci.Meet.of the Society of Magnetic Resonance in Medicine*, NEW YORK, NY, US, 1993.08 14–20
84. Z.Latajka, **H. RATAJCZAK**, Y.Bouteiller, S.Scheiner,  
**Theoretical Vibrational Studies of Molecular Complexes in the Gas Phase.** (P)  
*Letn.Szk.nt. Efektów Izotopowych [Summ.Sch.on the Isotopic Effects]* KARPACZ, PL, 1993.07 20–25
85. F.Le Berre, F.Maho, M.Sergent, O.Peña, **R. HORYŃ, A. WOJAKOWSKI**,  
**Cristallogénèse, supraconductivité et magnétisme dans les phases de CHEVREL  $TRMo_6Se_8$  ( $TR = \text{Terre Rare}$ ).** [Crystal Growth, Superconductivity, and Magnetism in CHEVREL Phases  $REMo_6Se_8$  ( $RE = \text{Rare Earth}$ ).] (P)  
*Reunion sur les Composés Intermétalliques de Terres Rares*, GRENOBLE, FR, 1993.11 08–08
86. J.Legendziewicz, E.Huskowska, **W. STREK, J. SZTUCKI, E. ŁUKOWIAK**,  
**The Nature of Tb(III)–Eu(III) Energy Transfer in Complexes with Racemic and Handed Clutamic Acid and Alanine.** (P)  
*[1st] Wint.Worksh.on Spectroscopy & Structure of Rare Earth Systems*, KARPACZ, PL, 1993.03 25–28
87. J.M.Leger, J.Haines, A.Atouf, **P.E. TOMASZEWSKI**,  
**Phase Transitions in Several Metal Dioxides as Studied by Angle Dispersive X-ray Diffraction up to 50 GPa.** (P)  
*High Pressure Science & Technology*, COLORADO SPRINGS, CO, US, 1993.06 28 –.07 02
88. M.Limonov, T.Maksimova, **J. HANUZA, J. BARAN**,  
**Vibrational Properties of the  $C_{60}$  Fullerene.** (P)  
*Int.Worksh.on Fullerenes and Atomic Clusters*, ST PETERSBURG, RU, 1993.10 04–09

89. **K. ŁUKASZEWICZ, A. PIETRASZKO,**  
**The Structural Mechanism of the Phase Transitions of Type  $(\text{CH}_3)_2\text{NH}_2\text{Al}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$  Crystals.** (L)  
*Konf.: „Fizyka ferroelektryków” [Natl.Conf.on Physics of Ferroelectrics]* KARPACZ, PL, 1993.09 21–25
90. **K. ŁUKASZEWICZ, A. PIETRASZKO, J. STĘPIEŃ-DAMM,**  
**Dynamic Disorder of Cadmium in  $\text{Cd}_2\text{Nb}_2\text{O}_7$ .** (C)  
*16th Congr.& Gen.Assy of the Int. Union of Crystallography,* BEIJING, CN, 1993.08 21–29
91. **K. ŁUKASZEWICZ, A. PIETRASZKO, J. STĘPIEŃ-DAMM, N.N.Kołpakova,**  
**Dynamiczne nieuporządkowanie kadmu w [kryształach]  $\text{Cd}_2\text{Ta}_2\text{O}_7$  i  $\text{Cd}_2\text{Ta}_2\text{O}_7$ .** [Dynamic Disorder of Cadmium in  $\text{Cd}_2\text{Ta}_2\text{O}_7$  and  $\text{Cd}_2\text{Ta}_2\text{O}_7$ .] (L)  
*XXXV Konwers. Krystalograficzne [35th Polish Crystallographic Meet.]* WROCLAW, PL, 1993.06 29–30
92. **E. ŁUKOWIAK, B.Kochel, W. STREK,**  
**The Stochastic Analysis of Luminescence Decay of Cr(III) in Diopside.** (P)  
*2nd Natl.Conf.on Molecular Spectroscopy [w/Int.Particip.]* WROCLAW, PL, 1993.09 27–30
93. **L. MACALIK, J. HANUZA, J.Legendziewicz,**  
**Optical Spectra of Lanthanides, Tungstates and Molybdates.** (P)  
*[1st] Wint.Worksh.on Spectroscopy & Structure of Rare Earth Systems,* KARPACZ, PL, 1993.03 25–28
94. F.Maho, F.Le Berre, O.Peña, **R. HORYŃ, A. WOJAKOWSKI,**  
**Relations de phase et cristallogénèse de phases de CHEVREL seleniees  $\text{TRMo}_6\text{Se}_8$  ( $\text{TR} = \text{Terre Rare}$ ): premiers resultats sur monocristal.** [Phase Relations and Crystal Growth of CHEVREL Phases  $\text{TRMo}_6\text{Se}_8$  ( $\text{TR} = \text{Rare Earth}$ ). First Results Obtained on Single Crystals.] (L)  
*23èmes Journées d’Études Supraconducteurs — Haute Temperature Critique,* CAEN, FR, 1993.11 16–17
95. **H. MISIOREK, A. JEŻOWSKI, J. MUCHA,**  
**Hysteresis of Thermal Conductivity and an Evidence for Hydrogen Diffusion in Niobium Hydrides.** (P)  
*13th Gen.Conf.of the Condensed Matter Division of EPS,* REGENSBURG, DE, 1993.03 29 –.04 02
96. **W. MIŚTA,**  
**Preparation of Thermostable Aluminium Oxide by Using Carbon Matrix.** (L)  
*1st Swedish-Polish Meet.on Catalysis: Oxide Catalysis and Environment,* CRACOW, PL, 1993.10 10–12
97. **W. MIŚTA, R. KLIMKIEWICZ, A.W.Morawski, T. PLACKOWSKI,**  
**Synthesis and Characterization of Bi–K–Intercalated Graphite.** (P)  
*21st Bienn.Conf.on Carbon, SUNY at* BUFFALO, NY, US, 1993.06 13–18
98. **W. MIŚTA, A.W.Morawski, R. KLIMKIEWICZ,**  
**Przemiany termiczne interkalatu K–Bi–grafit.** [Thermal Transformation of Bi–K–Intercalated Graphite.] (P)  
*XXXVI Zj.Nauk. PTChem.i SliT.P.Chem. [35th Ann.Congr.of Polish Chemical Society]* TORUŃ, PL, 1993.09 08–11
99. **E. MUGEŃSKI, V.Nagirnyj,**  
**Polarization of the  $\text{Eu}^{2+}$  Luminescence in KCl Crystals.** (P)  
*[1st] Wint.Worksh.on Spectroscopy & Structure of Rare Earth Systems,* KARPACZ, PL, 1993.03 25–28
100. **B. NISSEN-SOBOCIŃSKA, W. STREK, J.Legendziewicz,**  
**The Electronic Structure of the  $\text{Pr}(\text{NCS})_6^{-3}$  Anion According to Semiempirical Molecular Orbital Calculations.** (P)  
*[1st] Wint.Worksh.on Spectroscopy & Structure of Rare Earth Systems,* KARPACZ, PL, 1993.03 25–28
101. **B. NISSEN-SOBOCIŃSKA, W. STREK, J.Legendziewicz,**  
**Six-Coordinated Lanthanide Complexes as Study of Covalence and Relativistic Effects.** (P)  
*2nd Natl.Conf.on Molecular Spectroscopy [w/Int.Particip.]* WROCLAW, PL, 1993.09 27–30



102. **B. NOWAK, O.J. ŻOGAŁ, K. NIEDŹWIEDŹ, K. WOCHOWSKI, R. TROĆ,**  
Nuclear Magnetic Resonance of  $^{29}\text{Si}$  in the Uranium Silicides:  $\text{U}_3\text{Si}_2$  and  $\text{USi}_3$ . (P)  
[15th] *Conf.on Radio and Microwave Spectroscopy*, POZNAŃ, PL, 1993.04 26–30
103. **J. OLEJNICZAK, A.J. ZALESKI, M. CISZEK,**  
DEBYE Temperature of  $^{57}\text{Fe}$ -Doped  $\text{La}_{2-x}\text{Sr}_x(\text{Cu}_{1-y}\text{Fe}_y)\text{O}_4$ . (P)  
IV Kraj.Symp.: „Nadprzewodnictwo wysokotemperaturowe” [4th Natl.Symp.on High- $T_c$  Superconductivity] POZNAŃ, PL, 1993.09 06–07
104. **S. PASZKOWSKI,**  
Sur un algorithme général et élémentaire de l’approximation de PADÉ et de ses généralisations.  
[An Elementary General Algorithm in PADÉ Approximation and Its Generalizations.] (I)  
*Conf.on Open Problems in Approximation Theory*, VONESHTA VODA, BG, 1993.06 18–24
105. **S. PASZKOWSKI,**  
Open Problems: Problem SP 1. (C)  
*Conf.on Open Problems in Approximation Theory*, VONESHTA VODA, BG, 1993.06 18–24
106. **S. PASZKOWSKI,**  
Przyspieszanie zbieżności ciągów i szeregów. [Convergence Acceleration.] (I)  
*Konf.Zastosowań Matematyki [Conf.on Mathematics Applications]* ZAKOPANE, PL, 1993.09 \*\*\_\*\*
107. **A. PIETRASZKO,**  
The X-ray Analysis of Protonic Superconductor Crystals. (L)  
*Konf.: „Fizyka Ferroelektryków” [Natl.Conf.on Physics of Ferroelectrics]* KARPACZ, PL, 1993.09 21–25
108. **A. PIETRASZKO, K. ŁUKASZEWICZ, L.F.Kirpichnikova,**  
Crystal Structure of  $(\text{CH}_3)_2\text{NH}_2\text{Al}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$ . (P)  
*16th Congr.& Gen.Assy of the Int. Union of Crystallography*, BEIJING, CN, 1993.08 21–29
109. **A. PIETRASZKO, K. ŁUKASZEWICZ, L.F.Kirpichnikova,**  
Crystal Structure of  $(\text{CH}_3)_2\text{NH}_2\text{Al}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$ ,  $(\text{CH}_3)_2\text{NH}_2\text{Ga}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$ , and  $(\text{CH}_3)_2\text{NH}_2\text{Al}(\text{S}_{0.89}\text{Se}_{0.11}\text{O}_4)_2 \cdot 6\text{H}_2\text{O}$ . (P)  
*2nd Natl.Conf.on Molecular Spectroscopy [w/Int.Particip.]* WROCLAW, PL, 1993.09 27–30
110. **A. PIETRASZKO, K. ŁUKASZEWICZ, L.F.Kirpichnikova,**  
Crystal Structures of  $(\text{CH}_3)_2\text{NH}_2\text{Al}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$ ,  $(\text{CD}_3)_2\text{ND}_2\text{Al}(\text{SO}_4)_2 \cdot 6\text{D}_2\text{O}$  and  $(\text{CH}_3)_2\text{NH}_2\text{Ga}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$ . (P)  
*XXXV Konwers. Krystalograficzne [35th Polish Crystallographic Meet.]* WROCLAW, PL, 1993.06 29–30
111. E.Pinčák, V.Nádaždy, **M. WOŁCYRZ, J.Kocanda, M.Jergel, Š.Lányi,**  
New Approach to the Preparation of GaAs Oxide Films Utilizing an Ultrathin Sm Overlayer. (P)  
*6th Symp.on Surface Physics*, CHLUM Castle, CZ, 1993.05 24–28
112. **T. PLACKOWSKI, D. WŁOSEWICZ, K. ROGACKI,**  
The Effective DEBYE Temperature of  $\text{Sm}_{1+x}\text{Ba}_{2-x}\text{Cu}_3\text{O}_y$ . (P)  
*20th Int.Conf.on Low Temperature Physics (LT-20)* EUGENE, OR, US, 1993.08 04–11
113. **T. PLACKOWSKI, D. WŁOSEWICZ, K. ROGACKI,**  
The Specific Heat of  $\text{Sm}_{1+x}\text{Ba}_{2-x}\text{Cu}_3\text{O}_y$ . (P)  
IV Kraj.Symp.: „Nadprzewodnictwo wysokotemperaturowe” [4th Natl.Symp.on High- $T_c$  Superconductivity] POZNAŃ, PL, 1993.09 06–07
114. M.Połomska, B.Hilczler, **J. BARAN,**  
FIR studies of  $\alpha$  and  $\beta$ -Polymorphs of  $\text{LiNH}_4\text{SO}_4$  Single Crystals. (P)  
*2nd Natl.Conf.on Molecular Spectroscopy [w/Int.Particip.]* WROCLAW, PL, 1993.09 27–30

115. **D. POTOCZNA-PETRU, L. KĘPIŃSKI,**  
**Badania układu Co–SiO<sub>2</sub> metodą transmisyjnej mikroskopii elektronowej.** [Investigation of the Co–SiO<sub>2</sub> System by TEM.] (P)  
*VIII Konf. Mikroskopii Elektronowej Ciała Stałego [8th Polish Conf. on Electron Microscopy of Solid State]* WROCLAW & SZKLARSKA POREBA, PL, 1993.04 20–23
116. J. Przesławski, B. Kosturek, Z. Czaplą, **P. E. TOMASZEWSKI,** F. Wondre,  
**Anomalous Behavior of Linear Birefringence and Strain in TAAP Crystal.** (P)  
*8th Int. Meet. on Ferroelectricity,* GAITHESSBOURG, MD, US, 1993.08 08–13
117. G. Puchkovskaya, A. Naumovets, V. Styopkin, A. Borovikov, **H. RATAJCZAK, J. BARAN, M. MARCHEWKA,**  
**Resonance Interactions between Vibrational Excitons and Structural Evaluation of Evaporated Organic Thin Films.** (I)  
*2nd Natl. Conf. on Molecular Spectroscopy [w/Int. Particip.]* WROCLAW, PL, 1993.09 27–30
118. **H. RATAJCZAK,**  
**Vibrational Spectroscopy of Hydrogen Bonds.** (L)  
*10th Int. Worksh. on Horizons in Hydrogen Bond Research,* AUTRANS, FR, 1993.09 12–17
119. **H. RATAJCZAK,**  
**Vibrational Spectroscopy of Betaine Type Hydrogen-Bonded Ferroelectrics.** (I)  
*2nd Natl. Conf. on Molecular Spectroscopy [w/Int. Particip.]* WROCLAW, PL, 1993.09 27–30
120. **H. RATAJCZAK,**  
**Vibrational Spectroscopy of Hydrogen-Bonded Systems.** (L)  
*Conf. on Vibrational Spectroscopy,* MINSK, BY, 1993.10 03–05
121. **H. RATAJCZAK,**  
**Vibrational Spectroscopy of Hydrogen-Bonded Ferroelectrics.** (I)  
*Disc. Meet. on Current Topics in Solid State Chemistry,* BANGALORE, IN, 1993.12 14–17
122. **H. RATAJCZAK, A. Yaremko,**  
**Theory of Band Shapes of Infrared Spectra of Hydrogen-Bonded Solids.** (P)  
*10th Int. Worksh. on Horizons in Hydrogen Bond Research,* AUTRANS, FR, 1993.09 12–17
123. **H. RATAJCZAK, A. Yaremko,**  
**On the Isotopic Effect in the Infrared Spectra of Chromous Acid.** (P)  
*Letn. Szk. nt. Efektów Izotopowych [Summ. Sch. on the Isotopic Effects]* KARPACZ, PL, 1993.07 20–25
124. I. Reval, S. Stepanian, E. Radchenko, M. Wierzejewska-Hnat, Z. Latajka, **H. RATAJCZAK, J. Barycki,**  
**Infrared and Quantum Chemical Studies of Aminomethylphosphinic Acid Isolated in Argon Matrix.** (P)  
*2nd Natl. Conf. on Molecular Spectroscopy [w/Int. Particip.]* WROCLAW, PL, 1993.09 27–30
125. **K. ROGACKI, T. PLACKOWSKI, C. SUŁKOWSKI, D. WŁOSEWICZ, Z. BUKOWSKI, R. HORYŃ,**  
**Instability in Superconducting ErBa<sub>2</sub>Cu<sub>3</sub>O<sub>6+x</sub> Due to 150° C Annealing.** (P)  
*IV Kraj. Symp.: „Nadprzewodnictwo wysokotemperaturowe” [4th Natl. Symp. on High-Tc Superconductivity]* POZNAŃ, PL, 1993.09 06–07
126. **K. ROGACKI, C. SUŁKOWSKI, Z. BUKOWSKI,**  
**Magnetism of Gd-Ions in High Temperature Superconductors of 1:2:3-Type.** (C)  
*[1st] Eur. Conf. on Physics of Magnetism (PM’93)* POZNAŃ, PL, 1993.06 21–24
127. **K. ROGACKI, C. SUŁKOWSKI, Z. BUKOWSKI,**  
**Superconductivity and Magnetism in Gd(Ba<sub>2-x</sub>Gd<sub>x</sub>)Cu<sub>3</sub>O<sub>y</sub> Solid Solution.** (P)  
*20th Int. Conf. on Low Temperature Physics (LT-20)* EUGENE, OR, US, 1993.08 04–11

128. **K. ROGACKI, C. SUŁKOWSKI, Z. BUKOWSKI,**  
**Superconductivity and Magnetism in  $Gd(Ba_{2-x}Gd_x)Cu_3O_y$  Solid Solution.** (P)  
*20th Int.Conf.on Low Temperature Physics (LT-20)* EUGENE, OR, US, 1993.08 04–11
129. **K. ROGACKI, C. SUŁKOWSKI, Z. BUKOWSKI,**  
**Superconductivity and Magnetism in  $Gd(Ba_{2-x}Gd_x)Cu_3O_y$  Solid Solution.** (P)  
*IV Kraj.Symp.: „Nadprzewodnictwo wysokotemperaturowe” [4th Natl.Symp.on High- $T_c$  Superconductivity]* POZNAŃ, PL, 1993.09 06–07
130. **A. RUBASZEK,**  
**Effect of Electron–Positron Correlations on Annihilation Characteristics for Positrons Trapped at the Surface of Simple Metals.** (I)  
*Int.Sch.of Physics “Enrico Fermi” Course CXXV: Positron Spectroscopy of Solids,* VARENNA, IT, 1993.07 06–16
131. **A. RUBASZEK,**  
**O stosowalności formalizmu funkcyjalu dwóch gęstości do wyznaczania krzywych korelacji kątowych kwantów anihilacyjnych w metalach.** [On the Applicability of the Two-Density Functional Theory to Calculations of Angular Correlation of Annihilation Quanta in Metals.] (L)  
*XXV Og.-pol.Semin. Anihilacji Pozytronów [27th Pol.Semin.on Positron Annihilation]* KARPACZ, PL, 1993.06 07–11
132. Yu.Rumyantseva, R.Zhbankov, R.Krus, **M. MARCHEWKA, H. RATAJCZAK,**  
**The Use of IR Spectroscopy for Comparative Analysis of the Structure of Alkali- and Thio-lignins.** (P)  
*Conf.on Vibrational Spectroscopy,* MINSK, BY, 1993.10 03–05
133. **W. RYBA-ROMANOWSKI,**  
**Disordered Nd-Doped Crystals for Diode Pumping.** (P)  
*[1st] Wint.Worksh.on Spectroscopy & Structure of Rare Earth Systems,* KARPACZ, PL, 1993.03 25–28
134. **W. RYBA-ROMANOWSKI, S. GOŁĄB, G. DOMINIĄK-DZIK,** M.Berkowski, A.Pajączkowska,  
**SrLaAlO<sub>4</sub> : Nd — nowe, nieuporządkowane kryształy laserowe.** [Neodymium-Doped SrAlO<sub>4</sub> — A New Promising Crystal for Laser Application.] (P)  
*IV Symp.Techniki Laserowej [4th Natl.Symp.on Laser Technology,* ŚWINOUJŚCIE (Szczecin) PL, 1993.09 26–30
135. **W. RYBA-ROMANOWSKI, S. GOŁĄB, G. DOMINIĄK-DZIK,** A.Pajączkowska, M.Berkowski,  
**SrLaAlO<sub>4</sub>:Nd – A New Promising Laser Crystal.** (P)  
*3rd Int.Conf.on Lasers in Materials Engineering, Medicine/Biology and PhysicsChemistry, LM<sup>2</sup>P,* LYON, FR, 1993.12 08–10
136. **W. RYBA-ROMANOWSKI, I. SOKÓLSKA, S. GOŁĄB,** M.Berkowski, S.Kück, J.P.Meyn,  
**Laser Diode End-Pumped cw BaLaGa<sub>3</sub>O<sub>7</sub>:Nd Laser.** (C)  
*3rd Int.Conf.on Lasers in Materials Engineering, Medicine/Biology and Physics/Chemistry (LM<sup>2</sup>P)* LYON, FR, 1993.12 08–10
137. **W. RYBA-ROMANOWSKI, I. SOKÓLSKA, S. GOŁĄB,** M.Berkowski, S.Kück, J.P.Meyn,  
**Charakterystyki energetyczne lasera BaLaGa<sub>3</sub>O<sub>7</sub> : Nd pompowanego laserem półprzewodnikowym.** [Characteristics of a Laser Diode Pumped BaLaGa<sub>3</sub>O<sub>7</sub> : Nd Laser.] (P)  
*IV Symp.Techniki Laserowej [4th Natl.Symp.on Laser Technology,* ŚWINOUJŚCIE (Szczecin) PL, 1993.09 26–30
138. A.D.Shengelaya, **H. DRULIS, J. KLAMUT, A. ZYGMUNT,** N.M.Sulejmanov,  
**Microwave Absorption in Non-and Hydrogenated La<sub>1.85</sub>Sr<sub>0.15</sub>CuO<sub>4</sub> High- $T_c$  Superconductor.** (P)  
*15th Conf.on Radio and Microwave Spectroscopy,* POZNAŃ, PL, 1993.04 26–30

139. A.D.Shengelaya, **H. DRULIS**, **J. KLAMUT**, **A. ZYGMUNT**, N.M.Sulejmanov,  
**High Field Microwave Absorption in Non- and Hydrogenated La<sub>1.85</sub>Sr<sub>0.15</sub>CuO<sub>4</sub> Superconductor.** (P)  
*IV Kraj.Symp.: „Nadprzewodnictwo wysokotemperaturowe” [4th Natl.Symp.on High-T<sub>c</sub> Superconductivity]* POZNAŃ, PL, 1993.09 06–07
140. L.Shlyk, **R. TROĆ**, **D. KACZOROWSKI**, H.Noël,  
**Magnetic Properties of Some Uranium Chalcogenides.** (P)  
*[1st] Eur.Conf.on Physics of Magnetism (PM’93)* POZNAŃ, PL, 1993.06 21–24
141. **P. SŁAWIŃSKI**, **Z. KLETOWSKI**,  
**Influence of the Direct COULOMB Interactions on the Resistivity in NdPb<sub>3</sub>.** (P)  
*[1st] Eur.Conf.on Physics of Magnetism (PM’93)* POZNAŃ, PL, 1993.06 21–24
142. **H. STACHOWIAK**,  
**Theory of Electron–Positron Correlation.** (I)  
*1st Int.Wksh.on High Resolution Compton Scattering as a Probe of Fermiology*, CRACOW, PL, 1993.07 03–05
143. **H. STACHOWIAK**,  
**Oddziaływanie elektron–pozytron w niejednorodnym gazie elektronowym.** [Electron–Positron Interaction in an Inhomogeneous Electron Gas.] (C)  
*XXV Og.-pol.Semin. Anihilacji Pozytonów [27th Pol.Semin.on Positron Annihilation]* KARPACZ, PL, 1993.06 07–11
144. **H. STACHOWIAK**,  
**The One-Electron Hamiltonian in a Real Metal with a Positron.** (L)  
*13th Gen.Conf.of the Condensed Matter Division of EPS*, REGENSBURG, DE, 1993.03 29 - 04- 02
145. **J. STĘPIEN-DAMM**, O.I.Bodak,  
**The Crystal Structure of M – M’–Si Ternary Compounds.** (P)  
*XXXV Konwers. Krystalograficzne [35th Polish Crystallographic Meet.]* WROCLAW, PL, 1993.06 29–30
146. **W. STRĘK**,  
**Cooperative Vibronic Transitions in Rare Earth Systems.** (I)  
*[1st] Wint.Worksh.on Spectroscopy & Structure of Rare Earth Systems*, KARPACZ, PL, 1993.03 25–28
147. **W. STRĘK**,  
**Cooperative Vibronic Transitions in Rare Earth Systems.** (I)  
*2nd Natl.Conf.on Molecular Spectroscopy [w/Int.Particip.]* WROCLAW, PL, 1993.09 27–30
148. **W. STRĘK**, **P. DEREŃ**, G.Malashkevich, E.N.Poddenezhny, I.M.Mel’nichenko,  
**Spectroscopic Properties of Cr-Containing Quartz Glasses Obtained by Sol–Gel Method.** (P)  
*2nd Natl.Conf.on Molecular Spectroscopy [w/Int.Particip.]* WROCLAW, PL, 1993.09 27–30
149. **W. STRĘK**, J.Legendziewicz, E.Huskowska, **E. ŁUKOWIAK**, **J. HANUZA**,  
**Spectroscopic Properties of Centrosymmetric Rare Earth Complexes Ln(AP<sub>6</sub>)(ClO<sub>4</sub>)<sub>3</sub>, Ln = Pr, Nd, Eu.** (P)  
*[1st] Wint.Worksh.on Spectroscopy & Structure of Rare Earth Systems*, KARPACZ, PL, 1993.03 25–28
150. **B. SUJAK-CYRUL**, **J. SZCZEPAŃSKI**, **T. TYC**,  
**Ballistic Phonons Propagation in AT-Cut Quartz.** (P)  
*XXIX Zimowa Szkoła Fizyki Teoretycznej [29th Wint.Sch.of Theoretical Physics]* KUDOWA, PL, 1993.02 15–27
151. **C. SUŁKOWSKI**, **K. ROGACKI**, W.Sadowski,  
**Anisotropy of Superconducting Properties in Nd<sub>2–x</sub>Ce<sub>x</sub>CuO<sub>4–y</sub> Single Crystals.** (P)  
*IV Kraj.Symp.: „Nadprzewodnictwo wysokotemperaturowe” [4th Natl.Symp.on High-T<sub>c</sub> Superconductivity]* POZNAŃ, PL, 1993.09 06–07

152. N.Sushko, S.Firsov, R.Zhbankov, **M. MARCHEWKA, H. RATAJCZAK**,  
**Vibrational Spectra and Structure of Heparines.** (P)  
*Conf.on Vibrational Spectroscopy*, MINSK, BY, 1993.10 03–05
153. **W. SUSKI, K. WOCHOWSKI**, T.Mydlarz,  
**High Field Magnetic Investigations of the  $UFe_{10-x}Ni_xSi_2$  System.** (P)  
*20th Rare Earth Research Conf. (RERC'93)* MONTEREY, CA, US, 1993.09 12–17
154. **W. SUSKI, K. WOCHOWSKI**, F.G.Vagizov, **H. DRULIS**, T.Mydlarz,  
**Structure, Magnetic Properties and  $^{57}Fe$  MÖSSBAUER Effect in the  $UFe_{10-x}Ni_xSi_2$  System.** (L)  
*23èmes Journées des Actinides*, BADEN-BADEN (Schwarzwald) DE, 1993.04 20–23
155. **M. SUSZYŃSKA**,  
**Diffusion of Nickel Ions in the Stress Fields of Dislocations in NaCl Crystals.** (P)  
*Coll.Int. 'DISLOCATIONS'93' Microstructures et Propriétés Physiques*, AUSSOIS, FR,  
 1993.03 31 –.04 09
156. **M. SUSZYŃSKA**,  
**Segregation of Secondary Phase Particles Near Dislocations in  $NaCl : Ni^{2+}$  Crystals.** (P)  
*Coll.Int. 'DISLOCATIONS'93' Microstructures et Propriétés Physiques*, AUSSOIS, FR,  
 1993.03 31 –.04 09
157. **A. SZMYRKA-GRZEBYK, L. LIPIŃSKI, H. MANUSZKIEWICZ**,  
**Thermometric Characteristics of ZENER Diodes in Low Temperature Range.** (P)  
*5th Int.Symp.on Temperature and Thermal Measurements in Industry and Science [TEMPMEKO'93]*  
 PRAGUE, CZ, 1993.11 09–11
158. **A. SZPRYNGER**,  
**Single Particle Excitations in  $^3He$ – $^4He$  Mixtures.** (P)  
*13th Gen.Conf.of the Condensed Matter Division of EPS*, REGENSBURG, DE, 1993.03 29 - 04- 02
159. **J. SZTUCKI**,  
**Two-Photon Vibronic Transitions in Centrosymmetric Lanthanide Systems.** (C)  
*Int.Conf.on Luminescence*, STORRS, CT, US, 1993.08 09–13
160. **J. SZTUCKI, J.Sytsma**,  
**Two-Photon Excitation of the  $4f^1 \rightarrow 5d^1$  Transition of  $Ce^{3+}$  in  $LuPO_4$  : a Comparison between Theoretical and Experimental Intensities.** (P)  
*3rd Int.Conf.on Lasers in Materials Engineering, Medicine/Biology and Physics Chemistry, LM<sup>2</sup>P*,  
 LYON, FR, 1993.12 08–10
161. Y.Tarnavski, G.A.Puchkovskaya, **J. BARAN**,  
**Phonon Dynamics and Proton Conductivity in  $MIO_3 \cdot 2HIO_3$  Crystals.** (P)  
*2nd Natl.Conf.on Molecular Spectroscopy [w/Int.Particip.]* WROCLAW, PL, 1993.09 27–30
162. **P. TEKIEL**,  
**Mixed State Excitations in Superconductors.** (L)  
*4th Max-Born-Symp. – Solid State I*, KARPACZ, PL, 1993.09 28–30
163. K.Tokhadze, Z.Mielke, N.Dubnova, M.Wierzejewska-Hnat, **H. RATAJCZAK**,  
**The Structure and Evolution of the  $\nu$  HF band of RCN Y HF Complexes on Transition from Gas to Liquid.** (P)  
*10th Int.Worksh.on Horizons in Hydrogen Bond Research*, AUTRANS, FR, 1993.09 12–17
164. **P. TOMASZEWSKI**,  
**Nieizmorficzność  $ZrO_2$  i  $HfO$  pod wysokim ciśnieniem.** [Non-Isomorphism of  $ZrO_2$  and  $HfO$  under High Pressure.] (P)  
*XXXV Konwers. Krystalograficzne [35th Polish Crystallographic Meet.]* WROCLAW, PL, 1993.06 29–30

165. **V.H. TRAN, R. TROĆ,**  
**Hybridization Effects in the Antiferromagnetic Heavy-Fermion  $UCu_{5-x}Au_x$  Compounds.** (P)  
*[1st] Eur.Conf.on Physics of Magnetism (PM'93)* POZNAŃ, PL, 1993.06 21–24
166. **V.H. TRAN, A.J. ZALESKI, R. TROĆ,**  
**Evidence of a Spin-Glass Behavior of  $UCu_xGe_y$  System, ( $0.80 < x, y < 1.00$ ).** (P)  
*23èmes Journées des Actinides,* BADEN-BADEN (Schwarzwald) DE, 1993.04 20–23
167. **R. TROĆ,**  
**Magnetism and Electronic Structure of the Uranium Ternary Intermetallics.** (I)  
*[1st] Eur.Conf.on Physics of Magnetism (PM'93)* POZNAŃ, PL, 1993.06 21–24
168. **R. TROĆ, V.H. TRAN, F.G.Vagizov, H. DRULIS,**  
**Magnetic and MÖSSBAUER Effect Study of the  $U(Fe_{1-x}M_x)Al$  ( $M = Ni, Co$ ).** (P)  
*23èmes Journées des Actinides,* BADEN-BADEN (Schwarzwald) DE, 1993.04 20–23
169. **R. TROĆ, V.H. TRAN, F.G. VAGIZOV, I.M.Reznik, L.Shlyk,**  
**Magnetism and Chemical Bonding in the Systems  $UFe_{1-x}T_xAl$ ,  $T = Co, Ni$ .** (P)  
*Int.Conf.on Highly Correlated Systems,* SAN DIEGO, CA, US, 1993.08 16–19
170. **A.M.Trzeciak, J.J.Ziółkowski, Z. JAWORSKA-GALAS, W. MIŚTA, J. WRZYSZCZ,**  
**Homogeneous and Alumina-Supported Rhodium Complex Catalyzed Hydrogenation.** (P)  
*1st Eur.Congr.on Catalysis [EUROPACAT-1]* MONTPELLIER, FR, 1993.09 12–17
171. **I. USZYŃSKI, J. JANCZAK, R. KUBIAK,**  
**Thermal Expansion of  $\alpha$ -AuCu, AuCu II and AuCu I at Low Temperature.** (P)  
*XXXV Konwers. Krystalograficzne [35th Polish Crystallographic Meet.]* WROCLAW, PL, 1993.06 29–30
172. **A. WAŚKOWSKA,**  
**Rentgenograficzne badania monokryształów pod wysokim ciśnieniem.** [X-ray Study of Single Crystal at High Pressure Conditions.] (L)  
*Konf.: „Fizyka ferroelektryków” [Natl.Conf.on Physics of Ferroelectrics]* KARPACZ, PL, 1993.09 21–25
173. **A. WAŚKOWSKA,**  
**Strukturalne uwarunkowania przemian fazowych w materiałach typu  $A_2MeX_3$  i  $A_2MeX_4$ .**  
 [Structural Conditioning of Phase Transitions in  $A_2MeX_3$  and  $A_2MeX_4$ -Type Materials.] (P)  
*XXXV Konwers. Krystalograficzne [35th Polish Crystallographic Meet.]* WROCLAW, PL, 1993.06 29–30
174. **D. WŁOSEWICZ,**  
**Specific Heat of  $REBa_2Cu_3O_y$  ( $RE = Y, Sm, Gd, Er, E u$ ).** (P)  
*IV Kraj.Symp.: „Nadprzewodnictwo wysokotemperaturowe” [4th Natl.Symp.on High- $T_c$  Superconductivity]* POZNAŃ, PL, 1993.09 06–07
175. **K. WOCHOWSKI, F.G.Vagizov, W. SUSKI, H. DRULIS, J. JANCZAK,**  
**Influence of Crystallographic Ordering on Magnetic Properties of the  $ThMn_{12}$ -Type Uranium Ternaries.** (P)  
*XXXV Konwers. Krystalograficzne [35th Polish Crystallographic Meet.]* WROCLAW, PL, 1993.06 29–30
176. **M. WOŁCYRZ, R. HORYŃ, L. KĘPIŃSKI,**  
**X-ray Powder and Electron Diffraction Studies of the Phase Transformations in  $BiSr_{3-x}La_xO_{5.5-y}$  ( $0 \leq x \leq 1$ ).** (P)  
*XXXV Konwers. Krystalograficzne [35th Polish Crystallographic Meet.]* WROCLAW, PL, 1993.06 29–30
177. **P. WRÓBEL, R.Eder,**  
**Two-Hole Bound State in the  $t$ - $J$  Model.** (P)  
*20th Int.Conf.on Low Temperature Physics (LT-20)* EUGENE, OR, US, 1993.08 04–11

178. **P. WRÓBEL**, R.Eder,  
**On the Origin of the Unconventional Two-Hole Bound State in the  $t$ - $J$  Model.** (P)  
*Int.Conf.on Highly Correlated Systems*, SAN DIEGO, CA, US, 1993.08 16–19
179. **P. WRÓBEL**, R.Eder,  
**d-Wave Two-Hole Bound State in the  $t$ - $J$  Model.** (P)  
*IV Kraj.Symp.: „Nadprzewodnictwo wysokotemperaturowe” [4th Natl.Symp.on High- $T_c$  Superconductivity]* POZNAŃ, PL, 1993.09 06–07
180. **A. WYROSTEK**,  
**Zmiany optycznych właściwości cienkich warstw polikrystalicznej miedzi wywołane transferem energii w temperaturze 77 K.** [Changes of Optical Properties of Polycrystalline Copper Thin Films Induced by Energy Transfer at 77 K.] (P)  
*Semin.nt. Powierzchni i Struktur Cienkowarstwowych [Semin.on Surface and Thin Film Structures]* RABA NIŻNA, PL, 1993.11 03–06
181. J.J.Wysłocki, **W. SUSKI**, **K. WOCHOWSKI**,  
**Magnetic Domain Structure and Domain-Wall Energy in  $UFe_8Ni_2Si_2$  and  $UFe_6Ni_4Si_2$  Intermetallic Compounds.** (P)  
*5th Eur. Magnetic Materials & Application Conf.* KOŠICE, SK, 1993.08 24–27
182. Z.Xu, **H. DRULIS**, L.E.De Long, J.W.Brill,  
**Evidence for Possible Interaction between CDW and Magnetic Vortices in  $2H-NbSe_2$  : Comparison with  $2H-NbS_2$  .** (P)  
*Int.Worksh.on Electronic Crystals*, CARRY-LE-ROUET, FR, 1993.06 02–04
183. J.Zaleski, G.Bator, R.Jakubas, **J. BARAN**,  
**Infrared Studies of  $(NH_2C(KNH)NH_3)_3Sb_2Cl_9$  .** (P)  
*2nd Natl.Conf.on Molecular Spectroscopy [w/Int.Particip.]* WROCLAW, PL, 1993.09 27–30
184. J.Zaleski, R.Jakubas, G.Bator, **J. BARAN**,  
**Dielectric Dispersion, Dilatometric and Infrared Studies of *tris*(guanidinium) Enneachloridiantimonate(III):  $C(NH_2)_3SbCl_9$  .** (P)  
*2nd Natl.Conf.on Molecular Spectroscopy [w/Int.Particip.]* WROCLAW, PL, 1993.09 27–30
185. **M. ZAWADZKI**,  
**Thermally and Mechanically Stable  $MnO_2$ -CuO System in Alumina Matrix as Potential Catalyst at Environment Protection.** (L)  
*1st Swedish-Polish Meet.on Catalysis: Oxide Catalysis and Environment*, CRACOW, PL, 1993.10 10–12
186. R.Zhbankov, I.Alimov, A.Dzhus, M.Polkhovsky, **H. RATAJCZAK**, **M. MARCHEWKA**,  
**RAMAN Spectra of Carbon Fibers.** (P)  
*Conf.on Vibrational Spectroscopy*, MINSK, BY, 1993.10 03–05
187. R.Zhbankov, V.Andrianov, **H. RATAJCZAK**, **M. MARCHEWKA**,  
**A Comparative Study of IR and RAMAN Spectra of Mono- and Polysaccharides. New Results and Prospects.** (P)  
*Conf.on Vibrational Spectroscopy*, MINSK, BY, 1993.10 03–05
188. R.Zhbankov, V.Andrianov, **H. RATAJCZAK**, **M. MARCHEWKA**,  
**A Comparative Study of IR and RAMAN Spectra of Mono- and Polysaccharides. I. D-Glucose Anomers.** (P)  
*Conf.on Vibrational Spectroscopy*, MINSK, BY, 1993.10 03–05
189. R.Zhbankov, V.Andrianov, **H. RATAJCZAK**, **M. MARCHEWKA**,  
**A Comparative Study of IR and RAMAN Spectra of Mono- and Polysaccharides. II. D-Glucose and D-Galactose  $\alpha$ -Anomers. Glucitol. Galactitol.** (P)  
*Conf.on Vibrational Spectroscopy*, MINSK, BY, 1993.10 03–05

190. R.Zhbankov, V.Andrianov, **H. RATAJCZAK, M. MARCHEWKA**,  
**A Comparative Study of IR and RAMAN Spectra of Mono- and Polysaccharides. III.  $\beta$ -Methyl-D-Glucoside;  $\alpha$ -Methyl-D-Glucoside;  $\beta$ -Methyl-D-Xyloside.** (P)  
*Conf.on Vibrational Spectroscopy*, MINSK, BY, 1993.10 03–05
191. R.Zhbankov, V.Andrianov, **H. RATAJCZAK, M. MARCHEWKA**,  
**A Comparative Study of IR and RAMAN Spectra of Mono- and Polysaccharides. IV.  $\alpha$ -Methyl-D-Glucopyranoside;  $\alpha$ -Methyl-D-Galactopyranoside;  $\beta$ -Methyl-D-Manno-Pyranoside.** (P)  
*Conf.on Vibrational Spectroscopy*, MINSK, BY, 1993.10 03–05
192. R.G.Zhbankov, V.M.Andrianov, **H. RATAJCZAK, M. MARCHEWKA**,  
**Kolebatel'nye spektry (IK i KR) i stereoizomeria uglevodov.** [Vibrational Spectra (IR and RAMAN) and Stereo-Isomers of Carbohydrates.] (P)  
*11th Semin.on Intermolecular Interactions and Conformation of Molecules*, PUSHCHA-NA-OKE, RU, 1993.10 26–28
193. R.G.Zhbankov, V.M.Andrianov, **H. RATAJCZAK, M. MARCHEWKA**,  
**Comparative Studies of IR and RAMAN Spectra of Mono- and Polysaccharides. New Results and Prospects.** (I)  
*2nd Natl.Conf.on Molecular Spectroscopy [w/Int.Particip.]* WROCLAW, PL, 1993.09 27–30
194. R.Zhbankov, E.Korolik, N.Kotelnikova, **H. RATAJCZAK, M. MARCHEWKA**,  
**A study of Vibrational Spectra of Microcrystalline Cellulose I, II, III.** (P)  
*Conf.on Vibrational Spectroscopy*, MINSK, BY, 1993.10 03–05
195. N.N.Zinov'ev, R.Fletcher, L.J.Challis, **B. SUJAK-CYRUL, A.V.Akimov, A.F.Jezierski**,  
**Far-Infrared Emission from Magnetically Quantized 2DEGs in GaAs/(AlGa)As Heterojunctions.** (P)  
*10th Int.Conf.on Electronic Properties of Two-Dimensional Systems*, NEWPORT, RI, US, 1993.05 31 –.06 04
196. **O.J. ŻOGAŁ**,  
**Transition from Spin to Atomic Diffusion in the Metal Hydrides.** (I)  
*2nd Natl.Conf.on Molecular Spectroscopy [w/Int.Particip.]* WROCLAW, PL, 1993.09 27–30
197. **O.J. ŻOGAŁ**,  
**Dyfuzja spinowa i atomowa w układach z małą ilością domieszek jonów paramagnetycznych.** [Spin and Atomic Diffusion in the Systems with Small Concentration of Paramagnetic Ions.] (I)  
*Letn.Szk. Rezonansu Magnetycznego [Summ.Sch.of Magnetic Resonance]* ZAKOPANE, PL, 1993.05 31 –.06 04
198. **O.J. ŻOGAŁ, S.Idziak**,  
**Proton Spin–Lattice Relaxation in Orthorhombic Ytterbium Hydride.** (P)  
*15th Conf.on Radio and Microwave Spectroscopy*, POZNAŃ, PL, 1993.04 26–30
199. **Z. ŻOŁNIEREK, M. DRULIS, T. PLACKOWSKI, K. ROGACKI, J. JANCZAK, A.J. ZALESKI**,  
**Magnetic Phase Transition in the  $UT_{2-x}Ga_{2+y}$  Ternaries.** (P)  
*[1st] Eur.Conf.on Physics of Magnetism (PM'93)* POZNAŃ, PL, 1993.06 21–24
200. **Z. ŻOŁNIEREK, A.Szłyk, A.J. ZALESKI, D. BADURSKI**,  
 **$UTh_2Si_2$  and  $UTh_2Ge_2$  as an Example of Actinide–Actinide Ternaries.** (P)  
*23èmes Journées des Actinides*, BADEN-BADEN (Schwarzwald) DE, 1993.04 20–23
201. **Z. ŻOŁNIEREK, A.J. ZALESKI**,  
**Magnetic Studies of the  $U_2 2M$  Ternaries.** (L)  
*23èmes Journées des Actinides*, BADEN-BADEN (Schwarzwald) DE, 1993.04 20–23



202. **A. ZYGMUNT, M. DZIAŁAK,**  
**Magnetic Investigation of HgBa<sub>2</sub>CuO<sub>4.20</sub> Superconductor.** (P)  
*IV Kraj.Symp.: „Nadprzewodnictwo wysokotemperaturowe” [4th Natl.Symp.on High-T<sub>c</sub> Superconductivity]* POZNAŃ, PL, 1993.09 06–07
203. **A. ZYGMUNT, M. DZIAŁAK, H. DRULIS,**  
**An Influence of Soft Hydrogenation on Critical Magnetization Current, Magnetic Relaxation Effects and Irreversibility Line In SmBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub>.** (P)  
*IV Kraj.Symp.: „Nadprzewodnictwo wysokotemperaturowe” [4th Natl.Symp.on High-T<sub>c</sub> Superconductivity]* POZNAŃ, PL, 1993.09 06–07
-