

LISTA PUBLIKACJI 2003
LIST of PUBLICATIONS

KSIĄŻKI, MONOGRAFIE i ARTYKUŁY PRZEGLĄDOWE
BOOKS, MONOGRAPHS & REVIEWS

1. T.Palewski, **W. SUSKI,**

Ternary Lanthanide Chalcogenides, Misfit Compounds, and Ternary Lanthanide Pnictides Containing s- or p-Electron 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. B *Pnictides and Chalcogenides* (Berlin: Springer-Vg 2003) Pt 5, 467 pp.

2. **W. SUSKI,** T.Palewski,

1:1:1 and 1:1:2 Type Compounds. [1.2.4.1. Ternary Lanthanide Pnictides (Ln-T-X).]

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. B *Pnictides and Chalcogenides* (Berlin: Springer-Vg 2003) Pt 4 α , 476 pp.

3. **W. SUSKI,** T.Palewski,

1:2:2, 1:4:12, 3:3:4 and Other Type Compounds. [1.2.4.1.2.3]

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. B *Pnictides and Chalcogenides* (Berlin: Springer-Vg 2003) Pt 4 β , 451 pp.

4. **A. SZMYRKA-GRZEBYK,**

Realizacja skali temperatury w zakresie niskich temperatur.

[Realization of Temperature Scale in Low Temperature Range].

Seria Fizyka i Chemia Ciała Stałego (Wrocław: INTiBS PAN, 2003) 214 pp. [in Polish; printed in 2004].

5. A. SZMYRKA-GRZEBYK, A. KOWAL, (Editors)

2nd International Seminar & Workshop on Low Temperature Thermometry.

Proceedings (Wrocław, Poland, Oct. 2003)

(Wrocław: Institute of Low Temperature and Structure Research 2003) 171 p.

6. **P. TOMASZEWSKI,**

Jan Czochralski i jego metoda / Jan Czochralski and His Method.

(Wrocław i Kępnia: INTiBS PAN i Oficyna Wydawnicza ATUT, 2003) 93 p. [in Polish and English].

ARTYKUŁY W CZASOPISMACH NAUKOWYCH
ARTICLES IN SCIENTIFIC JOURNALS

7. T.Aitasalo, **P. DEREŃ**, J.Hölsä, H.Jungner, J.-C.Krupa, M.Lastusaari, J.Legendziewicz, J.Niittykoski, **W. STRĘK**,
Persistent Luminescence Phenomena in Materials Doped with Rare Earth Ions.
J. Solid State Chem. **171**_{1/2} (2003) 114–22. [\[DOI\]](#)
23th Rare-Earth Research Conf., DAVIS, CA, US, 2002.07 13–18
8. T.K.Anh, L.Q.Minh, N.Vũ, T.T.Huong, N.T.Huong, C.Barthou, **W. STRĘK**,
Nanomaterials Containing Rare-Earth Ions Tb, Eu, Er and Yb: Preparation, Optical Properties and Application Potential.
J. Lumin. **102/103** (2003.05) 391–4. [\[DOI\]](#)
Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'02) BUDAPEST, HU, 2002.08 24–29
9. L.M.Babkov, **J. BARAN**, N.A.Davydova, J.I.Kukielski, S.V.Trukhachev,
Vibrational Spectra and Structure Model of 2-Biphenylmethanol Molecule.
J. Mol. Struct. **661/662** (2003.12 16) 41–8. [\[DOI\]](#)
10. M.Baenitz, A.Rabis, S.Paschen, N.Senthilkumaran, F.Steglich, **V.H. TRAN**, P.de V.du Plessis, A.M.Strydom,
Gap Formation in the Semimetal U₂Ru₂Sn: Evidence from ¹¹⁹Sn NMR Investigations.
Physica B **329-33** (2003.05) 545–6 [pt II]. [\[DOI\]](#)
23rd Int.Conf.on Low Temperature Physics (LT-23) HIROSHIMA, JP, 2002.08 20–27
11. A.Barabash, **J. BARAN**, T.Gavrillo, G.Puchkovskaya, H. RATAJCZAK, Yu.Tarnavski,
Structure and Lattice Dynamics of NH₄IO₃ · 2HIO₃ Crystal as Derived from IR, RAMAN and ¹²⁷I NQR Data.
Pol. J. Chem. **77**₁₁ (2003) 1547–59.
12. **J. BARAN**, **M. DROZD**, **A.PIETRASZKO**, **M. TRZEBIATOWSKA**, H. RATAJCZAK,
Crystal Structure and Vibrational Studies of Glycine–LiNO₃ and Glycine–NaNO₃ Crystals.
Pol. J. Chem. **77**₁₁ (2003) 1561–77.
13. **A.BASZCZUK**, **M. WOŁCYRZ**, **A.ZYGMUNT**,
Ba₄In_{2-x}(CO₃)_{1+x}O_{6-2.5x} and Ba₄In_{0.8}Cu_{1.6}(CO₃)_{0.6}O_{6.2} – New Indium Oxycarbonates Closely Related to n = 3 RUDDLESDEN–POPPER Phases.
J. Alloy. Compd. **360**_{1/2} (2003) 1–10. [\[DOI\]](#)
14. W.Bażela, E.Wawrzyńska, B.Penc, N.Stüfker, A.Szytuła, **A.ZYGMUNT**,
Magnetic Structures of R₂RhSi₃ (R = Ho, Er) Compounds.
J. Alloy. Compd. **360**_{1/2} (2003) 76–80. [\[DOI\]](#)
15. **A.BEDNARKIEWICZ**, **D. HRENIAK**, **P. DEREŃ**, **W. STRĘK**,
Hot Emission in Nd³⁺/Yb³⁺:YAG Nanocrystalline Ceramics.
J. Lumin. **102/103** (2003.05) 438–44. [\[DOI\]](#)
Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'02) BUDAPEST, HU, 2002.08 24–29
16. **A.BEDNARKIEWICZ**, **D. HRENIAK**, **W. STRĘK**,
Cooperative Processes in Nd³⁺/Yb³⁺ Co-Doped YAG Nanocrystallites.
Radiat. Eff. Def. Solids **158**₁₋₆ (2003) 31–7. [\[DOI\]](#)
9th Eur.Conf.on Defects in Insulating Materials, WROCŁAW, PL, 2002.07 01–05
17. **A.BEDNARKIEWICZ**, J.Kalisky, **W. STRĘK**,
Medium-Power Ytterbium Lasers.
Proc. SPIE **5230** (2003.10) 139–42. [\[DOI\]](#)
7th Symp.on Laser Technology: Progress in Lasers, SZCZECIN & ŚWINOUJŚCIE, PL, 2002.09 23–27

18. **A.BEDNARKIEWICZ**, A.N.Kuzmin, **W. STRĘK**, **P.J. DEREŃ**,
Comparison of CW and Q-Switched Laser Action in Yb-Doped KYW and KGdW Crystals.
Proc. SPIE **5230** (2003.10) 127–31. [\[DOI\]](#)
7th Symp.on Laser Technology, SZCZECIN & ŚWINOUJŚCIE, PL, 2002.09 23–27
19. T.Bezrodna, G.Puchkovska, V.Shimanovska, I.Chashechnikova, T.Khalyavka, **J. BARAN**,
Pyridine–TiO₂ Surface Interaction as a Probe for Surface Active Centers Analysis.
Appl. Surf. Sci. **214**_{1–4} (2003) 222–31. [\[DOI\]](#)
20. D.Biały, A.Derkacz, M.Wawrzyńska, **A.BEDNARKIEWICZ**, P.Ziółkowski, H.Nowosad, **W. STRĘK**,
**In vitro Photodynamic Diagnosis of Atherosclerotic Wall Changes with the Use
of Mono-L-Aspartyl Chlorin e6. A Preliminary Report.**
[Diagnostyka *in vitro* zmian miażdżycowych w naczyniach krwionośnych. Wykorzystanie fluorescencji
indukowanej przy użyciu mono-L-aspartyl chlorinu e6. Doniesienie wstępne.]
Pol. Heart J. **59**₁₀ (2003) 293–301.
21. D.Biały, A.Derkacz, M.Wawrzyńska, **A.BEDNARKIEWICZ**, P.Ziółkowski, H.Nowosad, **W. STRĘK**,
M.Protasiewicz,
**In vitro Human Atherosclerotic Plaque Recognition by Photosensitizer Mono-L-Aspartyl
Chlorin e6 Assisted Light Induced Fluorescence (PALIF).**
Proc. SPIE **5229** (2003.10) 127–31. [\[DOI\]](#)
7th Symp.on Laser Technology, SZCZECIN & ŚWINOUJŚCIE, PL, 2002.09 23–27
22. D.Biały, A.Derkacz, M.Wawrzyńska, A.Smereka, **A.BEDNARKIEWICZ**, **W. STRĘK**, P.Ziółkowski,
**Diagnostyka fotodynamiczna in vitro zmian miażdżycowych w naczyniach krwionośnych
z użyciem mono-L-aspartyl chlorinu e6.** Doniesienie wstępne. [Photodynamic Diagnosis *in vitro* of
Blood Vessels Atherosclerotic Plaques with Use of Mono-L-Aspartyl Chlorin e6. Preliminary report.]
Act. Bio-Opt. Inform. Med. **9**_{3/4} (2003) 141–46 [in Polish].
23. M.Biasini, G.Ferro, **A.CZOPNIK**,
FERMI-Surface Topology of the Heavy-Fermion Antiferromagnetic Superconductor CeIn₃.
Phys. Rev. B **68** (2003) 09 4513(5). [\[DOI\]](#)
24. M.Biasini, **R. TROĆ**,
Study of the FERMI Surface of UGe₂ in the Paramagnetic Phase.
Phys. Rev. B **68** (2003) 24 5118(6). [\[DOI\]](#)
25. T.Bodziony, J.Typek, M.Orłowski, J.Majszczyk, M.Wabia, M.Berkowski, **W. RYBA-ROMANOWSKI**,
N.Guskos, V.Likodimos, E.A.Anagnostakis,
**Magnetic Resonance and Dielectric Studies of a Nonlinear La₃Ga_{5.5}Ta_{0.5}O₁₄ Single Crystal
Doped with Erbium.**
Acta Phys. Pol. A **103**_{2/3} (2003) 315–22.
6th Int.Worksh.on Nonlinear Optics Applications (NOA'02) ŁUKĘCIN, PL, 2002.09 05–08
26. В.Н.Богомолов, Н.Ф.Картенко, Д.А.Курдюков, Л.С.Парфеньева, В.В.Попов, Л.М.Сорокин,
И.А.Смирнов, **Н. MISIOREK**, **А. JEŻOWSKI**, J.Hutchison,
Теплопроводность HgSe, введенного в решетку пустот монокристалла синтетического опала.
[Thermal Conductivity of HgSe Loaded in the Pore Lattice of a Synthetic Opal Single Crystal.]
Физ. Тверд. Тела **45**₃ (2003) 535–41 [in Russian]. Engl. in: *Phys. Solid State* **45**₃ (2003) 566–72. [\[DOI\]](#)
27. В.Н.Богомолов, Н.Ф.Картенко, Д.А.Курдюков, Л.С.Парфеньева, И.А.Смирнов,
Н.В.Шаренкова, **Н. MISIOREK**, **А. JEŻOWSKI**,
Теплопроводность нанокompозита опал + эпоксидная смола.
[Thermal Conductivity of the Opal–Epoxy Resin Nanocomposite.]
Физ. Тверд. Тела **45**₅ (2003) 910–3 [in Russian]. Engl. in: *Phys. Solid State* **45**₅ (2003) 957–60. [\[DOI\]](#)
28. A.Borsowska, S.Szarska, M.Jasierski, **K. MARUSZEWSKI**, **W. STRĘK**,
Optical and Structural Properties of Sol–Gel Derived Bioactive Glasses.
Opt. Applic. **33**₁ (2003) 107–14.
6th Semin.on Porous Glasses & Special Glasses (PGL 2002) SZKLARSKA PORĘBA, PL, 2002.09 22–26

29. R.Burtovyy, **D. WŁOSEWICZ**, **A.CZOPNIK**, M.Tkacz,
Heat Capacity of Copper Hydride.
Thermochim. Acta **400**_{1/2} (2003) 121–9. [\[DOI\]](#)
30. G.Chelkowska, J.A.Morkowski, A Szajek, **J. STĘPIEŃ-DAMM**, **R. TROĆ**,
Electronic Structure and Photoemission Studies on KONDO Semimetal U₂Ru₂Sn.
Eur. Phys. J. B **35**₃ (2003) 349–55. [\[DOI\]](#)
31. J.Chrzanowski, H.Teterycz, **R. KLIMKIEWICZ**,
Exoelectron Emission from Tin Oxide Materials.
J. Electrochem. Soc. **150**₆ (2003) H140–6. [\[DOI\]](#)
32. **T. CICHOREK**, H.Aoki, J.Custers, P.Gegenwart, F.Steglich, **Z. HENKIE**, E.D.Bauer, M.B.Maple,
ThAsSe Diamagnet: Evidence for a KONDO Effect Derived From Structural Two-Level Systems.
Phys. Rev. B **68** (2003) 14 4411(7). [\[DOI\]](#)
33. **T. CICHOREK**, E.D.Bauer, **A.WOJAKOWSKI**, **Z. HENKIE**, M.B.Maple, F.Steglich,
**Interaction between TLS and the Conduction Electrons in Actinide Arsenoselenides:
A High-Pressure Study.**
phys. stat. sol. (b) **236**₂ (2003) 351–5. [\[DOI\]](#)
10th Eur.Conf.on Physics of Magnetism, POZNAŃ, PL, 2002.07 01–05
34. **T. CICHOREK**, **R. WAWRYK**, **A.WOJAKOWSKI**, **Z. HENKIE**, F.Steglich,
Non-Magnetic KONDO-Like Scattering in UPS and UAsSe Ferromagnets.
Acta Phys. Pol. B **34**₂ (2003) 1339–44 [pt II].
Int.Conf.on Strongly Correlated Electron Systems (SCES'2002) CRACOW, PL, 2002.07 10–13
35. **M. CISZEK**, O.Tsukamoto, J.Ogawa, M.Shiokawa,
**Energy Loss in YBCO-123 Coated Conductor Due to AC/DC Transport Current
and AC External Perpendicular Magnetic Field.**
Physica C **387**_{1/2} (2003) 230–3. [\[DOI\]](#)
3rd Int.Worksh.on Magnetism & Superconductivity of Advanced Materials (PLUS-03) ŁAŃDEK Zdrój, PL, 2002.07 14–19
36. Z.Czapla, S.Dacko, **A. WAŚKOWSKA**,
**Ferroelectric Phase Transition in Hydrogen-Bonded 2-Aminopyridine Phosphate
(NC₄H₄NH₂)·H₃PO₄.**
J. Phys. Cond. Matt. **15**₂₂ (2003) 3793–803. [\[DOI\]](#)
37. N.A.Davydova, V.I.Mel'nik, **J. BARAN**, **M. DROZD**,
Dynamics of Glassy and Supercooled Liquid Benzophenone Near and Below Glass Transition.
J. Mol. Struct. **651-3** (2003.06 01) 171–5. [\[DOI\]](#)
26th Eur.Congr.on Molecular Spectroscopy, VILLENEUVE d'ASCQ (Lille) FR, 2002.09 01–06
38. S.Debrus, M.May[†], J.Barycki, T.Głowiak, A.J.Barnes, H. RATAJCZAK, D.Xue,
**Crystal Structure, Vibrational Spectra and Nonlinear Optical Properties of the Orthoarsenic
Acid-tris-(Hydroxymethyl)-Aminomethane Crystal.**
J. Mol. Struct. **661/662** (2003.12 16) 595–601. [\[DOI\]](#) See also Erratum: *ibid.*, **689**_{1/2} (2004) 175. [\[DOI\]](#)
39. **P.J. DEREŃ**, **A.BEDNARKIEWICZ**, R.Mahiou, **W. STRĘK**,
On Spectroscopic Properties of the KYb(WO₄)₄:Pr³⁺ Crystal.
Mol. Phys. **101**₇ (2003) 951–60. [\[DOI\]](#)
40. **P.J. DEREŃ**, J.-C.Krupa,
Spectroscopic Investigations of LaAlO₃:Eu³⁺.
J. Lumin. **102/103** (2003.05) 386–90. [\[DOI\]](#)
Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'02) BUDAPEST, HU, 2002.08 24–29

41. В.М.Дмитриев, Н.Н.Пренцлау, И.В.Золочевскы, Л.А.Ищенко, Б.Я.Котур, **W. SUSKI**, E.Talik, A.B.Терехов,
Сверхпроводимость, отрицательное магнитосопротивление и анизотропия электропроводности монокристаллов YFe_4Al_8 и ScFe_4Al_8 в диапазоне частот $0\text{--}10^8$ Гц.
 [Superconductivity, Negative Magnetoresistance and Electrical Conduction Anisotropy in YFe_4Al_8 and ScFe_4Al_8 Single Crystals in the Frequency Range $0\text{--}10^8$ Hz.]
Физ. Низк. Темп. **29**₁₁ (2003) 1189–99 [in Russian]. Engl. in: *Low Temp. Phys.* **29**₁₁ (2003) 901–9. [DOI]
42. **G. DOMINIAK-DZIK, P. SOLARZ, W. RYBA-ROMANOWSKI**, E.Beregi, L.Kovács,
Dysprosium-Doped $\text{YAl}_3(\text{BO}_3)_4$ (YAB) Crystals: An Investigation of Radiative and Non-Radiative Processes.
J. Alloy. Compd. **359** (2003. 09 22) 51–8. [DOI]
43. **H. DRULIS, W. IWASIECZKO**, V.Zaremba,
Magnetic Properties of ZnNi_{5-x} ($0 \leq x \leq 1$) Ternary System.
J. Magn. Magn. Mater. **256**_{1–3} (2003) 139–44. [DOI]
44. **A. DRZEWIŃSKI**, E.Carlon, J.M.J.van Leeuwen,
Pulling Reptating Polymers by One End: Magnetophoresis in the RUBINSTEIN–DUKE Model.
Phys. Rev. E **68** (2003) 06 1801(7). [DOI]
45. T.Dziembowska, M.Szafran, E.Jagodzińska, I.Natkaniec, A.Pawlukojć, J.S.Kwiatkowski, **J. BARAN**,
DFT Studies of the Structure and Vibrational Spectra of 8-Hydroxyquinoline *n*-Oxide.
Spectrochim. Acta A **59**₉ (2003) 2175–89. [DOI]
46. I.Földvári, E.Beregi, A.Baraldi, R.Capelletti, **W. RYBA-ROMANOWSKI, G. DOMINIAK-DZIK**, A.Munoz, R.Sosa,
Growth and Spectroscopic Properties of Rare-Earth Doped $\text{YAl}_3(\text{BO}_3)_4$ Single Crystals.
J. Lumin. **102/103** (2003. 05) 395–401. [DOI]
Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'02) BUDAPEST, HU, 2002.08 24–29
47. P.Gaczyński, I.S.Tereshina, V.S.Rusakov, S.A.Nikitin, **H. DRULIS**,
⁵⁷**Fe MÖSSBAUER Effect of $\text{ErFe}_{11}\text{Ti}$ and $\text{ErFe}_{11}\text{TiH}$ Compounds.**
Nukleonika **48** Suppl. 1 (2003) S25–9.
Polish Semin.on MÖSSBAUER Spectroscopy, GONIADZ, PL, 2002.06 09–12
48. V.E.Gaishun, Y.A.Potapenok, O.I.Tulenкова, S.V.Pakhovtchyshin, **W. STRĘK**,
Rheology of Silica Suspensions Stabilized by Ethylenediamine.
Mater. Sci. (Poland) **21**₄ (2003) 481–5.
2nd Int.Conf.on Sol-Gel Materials, SZKLARSKA POREBA, PL, 2003.06 15–20
49. **E. GAŁDECKA**, Z.Gałdecki[†], J.Cybińska, R.J.Wiglusz, V.Amirkhanov, J.Legendziewicz,
Crystal Structure, Spectroscopy and Magnetism of Binuclear Complexes of Mercury and Lanthanides: the $\text{Ln}(\text{NCS})(\text{HMPA})_4(\mu\text{-SCN})_2\text{HgCl}(\text{SCN})$ Type.
Mol. Phys. **101**₇ (2003) 1015–27. [DOI]
50. T.Gavrillo, I.Gnatyuk, G.Puchkovska, **J. BARAN, M. MARCHEWKA, T. MORAWSKA-KOWAL**,
Application of NIR Spectroscopic Method to the Study of Porous Glasses Filled with Liquid Crystals.
Opt. Applic. **33**₁ (2003) 23–32.
6th Semin.on Porous Glasses & Special Glasses (PGL 2002) SZKLARSKA POREBA, PL, 2002.09 22–26
51. A.Gil, B.Penc, S.Baran, J.Hernández-Velasco, A.Szytuła, **A. ZYGMUNT**,
Magnetic Structures of RNi_xSn_2 ($R = \text{Tb, Ho}$) Compounds.
J. Alloy. Compd. **361**_{1/2} (2003) 32–5. [DOI]

52. B.A.Glowacki, A.Gilewski, **K. ROGACKI**, A.Kursumovic, J.E.Evetts, H.Jones, R.Henson, O.Tsukamoto,
Characterisation of an Optimised High Current MgO/Bi₂Sr₂CaCu₂O_{8.21} Composite Conductor Using Pulsed Transport Currents with Pulsed Magnetic Fields.
Physica C **384**_{1/2} (2003) 205–10. [\[DOI\]](#)
53. **K. GOFRYK, D. KACZOROWSKI**,
Magnetic and Transport Properties of the Pseudobinary System UGa_{3-x}Ge_x.
Acta Phys. Pol. B **34**₂ (2003) 1213–6 [pt II].
Int.Conf.on Strongly Correlated Electron Systems (SCES'2002) CRACOW, PL, 2002.07 10–13
54. Ł.Gondek, B.Penc, N.Stüßer, A.Szytuła, **A.ZYGMUNT**,
Magnetic Structures and Phase Transitions in TbRhSi, DyRhSi and HoRhSi.
phys. stat. sol. (a) **196**₁ (2003) 305–8. [\[DOI\]](#)
10th Eur.Conf.on Physics of Magnetism, POZNAŃ, PL, 2002.07 01–05
55. Ł.Gondek, B.Penc, A.Szytuła, A.Jeziński, **A.ZYGMUNT**,
Electronic Structure and Magnetic Properties of CeTIn (T = Ni, Au) Compounds.
Acta Phys. Pol. B **34**₂ (2003) 1209–12 [pt II].
Int.Conf.on Strongly Correlated Electron Systems (SCES'2002) CRACOW, PL, 2002.07 10–13
56. Ł.Gondek, A.Szytuła, B.Penc, J.Hernández-Velasco, **A.ZYGMUNT**,
Magnetic Structures of RTIn (R = Ce, Er; T = Au, Ni) Compounds.
J. Magn. Magn. Mater. **262**₂ (2003) L177–80. [\[DOI\]](#)
57. **H. GRABOWSKA, R. KLIMKIEWICZ**, W.Tylus, P.J.Godowski,
A Search for Reason for Deactivation of Alkylation Iron Catalyst.
Appl. Catal. A **240**_{1/2} (2003) 111–7. [\[DOI\]](#)
58. **H. GRABOWSKA, W. MIŚTA, M. ZAWADZKI, J. WRZYSZCZ**,
Catalytic Properties of Fe₂O₃/ZnAl₂O₄ System in Alkylation Reactions of Chosen Hydroxyarenes with Methanol.
Pol. J. Chem. Technol. **5**₃ (2003) 32–4.
59. **H. GRABOWSKA, H. Teterycz, R. KLIMKIEWICZ**,
Application of Zr–Mg–Y Oxide Catalyst for Phenol Methylation.
Ann. Pol. Chem. Soc. **2** (2003) 1220–4 [pt III].
46th Congr. Pol.Chem.Soc. and Assoc.Eng.& Techn.Chem.Ind., LUBLIN, PL, 2003.09 15–18
60. **H. GRABOWSKA, M. ZAWADZKI, J. WRZYSZCZ**,
Catalytic Performance of CuO/ZnAl₂O₄–Al₂O₃ Catalysts in n-Hexanol Conversion.
Pol. J. Chem. **77**₆ (2003) 779–87.
61. M.Grinberg, J.Barzowska, Y.R.Shen, K.L.Bray, **P. DEREŃ, J. HANUZA**,
High-Pressure Spectroscopy Characterization of LiSc(WO₄)₂ Crystals Doped with Trivalent Chromium.
J. Lumin. **102/103** (2003. 05) 699–704. [\[DOI\]](#)
Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'02) BUDAPEST, HU, 2002.08 24–29
62. A.Górniak, A.Wojakowska, **A. WOJAKOWSKI**,
Thermodynamic Activities in Molten Mixtures of Zinc Halides with Silver Halides.
Ann. Pol. Chem. Soc. **2** (2003) 516–21 [pt II].
46th Congr. Pol.Chem.Soc. and Assoc.Eng.& Techn.Chem.Ind., LUBLIN, PL, 2003.09 15–18
63. **T.R.E. HAMMAD, R. HORYŃ, E. BUKOWSKA, A. ZALESKI**,
On the Problem of Holes and Electrons in Ce-Doped Nd₂CuO₄.
Physica C **387**_{1/2} (2003) 208–10. [\[DOI\]](#)
3rd Int.Worksh.on Magnetism & Superconductivity of Advanced Materials (PLUS-03) ŁAĐEK Zdrój, PL, 2002.07 14–19

64. **Z. HENKIE, T. CICHOREK, R. WAWRYK, A. WOJAKOWSKI, A. PIETRASZKO, F. Steglich,**
Unusual Transport Properties of USbTe Ferromagnet.
phys. stat. sol. (a) **196**₁ (2003) 352–5. [\[DOI\]](#)
 10th Eur. Conf. on Physics of Magnetism, POZNAŃ, PL, 2002.07 01–05
65. **Z. HENKIE, R. WAWRYK, A. WOJAKOWSKI, A. PIETRASZKO, T. CICHOREK, F. Steglich,**
**Transport Properties of $UX_{1-x}Y_{1+x}$ ($X = P, As, Sb; Y = S, Se, Te$) Ferromagnet: Is There an
 Analogy between the Nonmagnetic KONDO-Like System and the Classical Heavy Fermion One?**
Acta Phys. Pol. B **34**₂ (2003) 1323–6 [pt II].
 Int. Conf. on Strongly Correlated Electron Systems (SCES'2002) CRACOW, PL, 2002.07 10–13
66. **Z. HENKIE, A. WOJAKOWSKI, T. CICHOREK, R. WAWRYK, M.B. Maple, E.D. Bauer, F. Steglich,**
**On Evaluation of KONDO-Like Electron Transport Characteristics of TLS-KONDO Ferromagnets:
 Uranium Pnictochalcogenides.**
Physica C **387**_{1/2} (2003) 113–6. [\[DOI\]](#)
 3rd Int. Worksh. on Magnetism & Superconductivity of Advanced Materials (PLUS-03) ŁĄDEK Zdrój, PL, 2002.07 14–19
67. **V. Hlukhyy, V. Zaremba, J. STEPIEŃ-DAMM, R. TROĆ,**
Crystal Structure of the New Ternary Thorium Indide $Th_4Pd_{10}In_{21}$.
J. Alloy. Compd. **352**_{1/2} (2003) 123–7. [\[DOI\]](#)
68. **R. HORYŃ, A. SIKORA, E. BUKOWSKA,**
**Polymorphic Forms and Defect Structure Formation within Homogeneity Domain of $LaMnO_3$
 Phase.**
J. Alloy. Compd. **353**_{1/2} (2003) 153–69. [\[DOI\]](#)
69. **R. HORYŃ, A. SIKORA, E. BUKOWSKA,**
Crystallochemical Features of $La_{1-2x}Na_xK_xMnO_{3+\delta}$ Solid Solution.
Physica C **387**_{1/2} (2003) 277–9. [\[DOI\]](#)
 3rd Int. Worksh. on Magnetism & Superconductivity of Advanced Materials (PLUS-03) ŁĄDEK Zdrój, PL, 2002.07 14–19
70. **R. HORYŃ, A. J. ZALESKI, C. SUŁKOWSKI, E. BUKOWSKA, A. SIKORA,**
Magnetic Features of $La_{1-2x}Na_xK_xMnO_{3+\delta}$ Solid Solution.
Physica C **387**_{1/2} (2003) 280–3. [\[DOI\]](#)
 3rd Int. Worksh. on Magnetism & Superconductivity of Advanced Materials (PLUS-03) ŁĄDEK Zdrój, PL, 2002.07 14–19
71. **D. HRENIAK, M. Jasiorski, A. Hreniak, W. Dudziński, K. MARUSZEWSKI, W. STRĘK,**
**Preparation and Optical Properties of Submicron SiO_2 Spheres Doped with $YAG:Nd^{3+}$
 Nanocrystallites.**
J. Sol-Gel Sci. Technol. **26**_{1–3} (2003) 971–6. [\[DOI\]](#)
 11th Int. Worksh. on Glasses, Ceramics, Hybrids and Nanocomposites from Gels, ABANO Terme (Padova) IT,
 2001.09 16–21
72. **D. HRENIAK, W. STRĘK, J. WRZYSZCZ,**
**Preparatyka i właściwości luminescencyjne nanomateriałów dielektrycznych domieszkowanych
 jonami ziem rzadkich. [Preparation and Luminescence Properties of Dielectric Nanomaterials Doped with
 Rare-Earth Ions.]**
Arch. Mater. Sci. **24**₄ (2003) 611–25 [in Polish].
73. **D. HRENIAK, E. Zych, L. KĘPIŃSKI, W. STRĘK,**
**Structural and Spectroscopic Studies of Lu_2O_3/Eu^{3+} Nanocrystallites Embedded in SiO_2
 Sol-Gel Ceramics.**
J. Phys. Chem. Solids **64**₁ (2003) 111–19. [\[DOI\]](#)
74. **J. M. JABŁOŃSKI, J. OKAL, D. POTOCZNA-PETRU, L. KRAJCZYK,**
**High Temperature Reduction with Hydrogen, Phase Composition, and Activity of Cobalt/Silica
 Catalysts.**
J. Catal. **220**₁ (2003) 146–60. [\[DOI\]](#)

75. **J. JANCZAK**,
Synthesis, Structural Investigation, and Solid-State Properties of Iodine-Doped Zirconium Diphthalocyanine, $[\text{ZrPc}_2]\text{I}_3 \cdot \text{I}_2$.
Inorg. Chem. **42**₁₁ (2003) 3549–58. [\[DOI\]](#)
76. **J. JANCZAK**, Y.M.Idemori,
Synthesis, Crystal Structure and Characterisation of Aquamagnesium Phthalocyanine – $\text{MgPc}(\text{H}_2\text{O})$. The Origin of an Intense Near-IR Absorption of Magnesium Phthalocyanine Known as “X-Phase”.
Polyhedron **22**₉ (2003) 1167–81. [\[DOI\]](#)
77. **J. JANCZAK**, **R. KUBIAK**,
Bis[phthalocyaninato(2-) Arsenic(III)] Tetradeca-iodine Tetraarsenic(III) Complex.
Acta Cryst. C **59**₂ (2003) m70–2. [\[DOI\]](#)
78. **J. JANCZAK**, **R. KUBIAK**,
Two Isomorphous Complexes: Dichloro [Phthalocyaninato(2-)]Tin(IV) and Dichloro [Phthalocyaninato(2-)]Germanium(IV).
Acta Cryst. C **59**₆ (2003) m237–40. [\[DOI\]](#)
79. **J. JANCZAK**, **R. KUBIAK**,
2-(3-Pyridyl)–1,3,8-Triazanaphthalene, A Product of Catalytic Transformation of 3-Cyanopyridine.
Acta Cryst. C **59**₉ (2003) o506–8. [\[DOI\]](#)
80. **J. JANCZAK**, **R. KUBIAK**,
Stereochemistry and Properties of the M(II)–N(py) Coordination Bond in the Low-Spin Dipyridinated Iron(II) and Cobalt(II) Phthalocyanines.
Inorg. Chim. Acta **342** (2003.01 01) 64–76. [\[DOI\]](#)
81. **J. JANCZAK**, **R. KUBIAK**,
From 1,3-Dicyanobenzene to 3-Cyanobenzamide – Its Molecular Structure in the Gas-Phase and in the Crystal.
J. Mol. Struct. **644**_{1–3} (2003) 13–21. [\[DOI\]](#)
82. **J. JANCZAK**, **R. KUBIAK**,
Sandwich-Type Niobium(V) Diphthalocyaninato Complexes “Stapled” by Two Inter-Ligand C–C σ -Bonds. Synthesis and Structural Investigation of Two New Phthalocyaninato Complexes: $[\text{NbPc}_2](\text{IBr}_2)$ and $[\text{NbPc}_2](\text{IBr}_2) \cdot \text{I}_2$.
Polyhedron **22**₂ (2003) 313–22. [\[DOI\]](#)
83. **J. JANCZAK**, **R. KUBIAK**, **M. ŚLEDŹ**, H.Borrmann, Y.Grin,
Synthesis, Structural Investigation and Magnetic Properties of Dipyridinated Manganese Phthalocyanine, $\text{MnPc}(\text{py})_2$.
Polyhedron **22**₁₉ (2003) 2689–97. [\[DOI\]](#)
84. **J. JANCZAK**, G.J.Perpétuo,
Bis(Melaminium) DL-Malate Tetrahydrate.
Acta Cryst. C **59**₆ (2003) o349–52. [\[DOI\]](#)
85. **J. JANCZAK**, **M. ŚLEDŹ**, **R. KUBIAK**,
Catalytic Trimerization of 2- and 4-Cyanopyridine Isomers to the Triazine Derivatives in Presence of Magnesium Phthalocyanine.
J. Mol. Struct. **659**_{1–3} (2003) 71–79. [\[DOI\]](#)
86. **A. JEŻOWSKI**, B.A.Danilchenko, M.Boćkowski, I.Grzegory, S.Krukowski, T.Suski, T.Paszkiwicz,
Thermal Conductivity of GaN Crystals in 4.2–300 K Range.
Solid State Commun. **128**_{2/3} (2003) 69–73. [\[DOI\]](#)

87. **A. JEŻOWSKI, P. STACHOWIAK, T. PLACKOWSKI, T. Suski, S. Krukowski, M. Boćkowski, I. Grzegory, B. Danilchenko, T. Paszkiewicz,**
Thermal Conductivity of GaN Crystals Grown by High Pressure Method.
phys. stat. sol. (b) **240**₂ (2003) 447–50. [DOI]
 5th Int. Conf. on Nitride Semiconductors (ICNS-5) NARA, JP, 2003.05 25–30
88. **A. JEŻOWSKI, P. STACHOWIAK, T. Suski, S. Krukowski, M. Boćkowski, I. Grzegory, B. Danilchenko,**
Thermal Conductivity of Bulk GaN Single Crystals.
Physica B **329-33** (2003.05) 1531–2 [pt II]. [DOI]
 23rd Int. Conf. on Low Temperature Physics (LT-23) HIROSHIMA, JP, 2002.08 20–27
89. **D. KACZOROWSKI, A. Leithe-Jasper, T. CICHOREK, K. Tenya, J. Custers, P. Gegenwart, Yu. Grin,**
Possible Heavy-Fermion Behavior in a HEUSLER-Type Compound YbPd₂Sb.
Acta Phys. Pol. B **34**₂ (2003) 1253–6 [pt II].
 Int. Conf. on Strongly Correlated Electron Systems (SCES'2002) CRACOW, PL, 2002.07 10–13
90. **D. KACZOROWSKI, Ya. Mudryk, P. Rogl, L. Romaka, Yu. Gorelenko,**
Magnetic and Electrical Properties of the Stannides RE₃Co₆Sn₅ (RE = Sm, Gd, Tb and Dy).
J. Phys. Cond. Matt. **15**₁₇ (2003) 2515–22. [DOI]
91. E. Kalecińska, **J. KALECIŃSKI, M. Krowicka,**
The Decomposition Yields and Reactivity of Metal Tetrasulfophthalocyanines in Aqueous–Alcohol System.
Radiat. Phys. Chem. **67**_{3/4} (2003) 301–4. [DOI]
 10th Tihany Symp. on Radiation Chemistry, SOPRON, HU, 2002.08 31 –.09 05
92. **J. KALECIŃSKI, E. Kalecińska, M. Krowicka,**
Scavenging of Electrons by Metal Tetrasulfophthalocyanines in Liquid and Frozen Glasses.
Radiat. Phys. Chem. **67**_{3/4} (2003) 297–9. [DOI]
 10th Tihany Symp. on Radiation Chemistry, SOPRON, HU, 2002.08 31 –.09 05
93. A. A. Kaminskiĭ, P. Becker, L. Bohaty, S. N. Bagaev, H. J. Eichler, K. Ueda, **J. HANUZA, H. Rhee, H. Yoneda, K. Takaichi, I. Terashima, M. MAĆZKA,**
Nonlinear ($\chi^{(3)} + \chi^{(2)}$) Effects in Novel Borate Crystal LiGeBO₄ under Picosecond Laser Excitation: High-Order STOKES and Anti-STOKES Generation and Self-Sum-Frequency Mixing.
Laser Phys. **13**₁₁ (2003) 1385–98.
94. M. Karbowski, E. Zych, **P. DEREŃ, J. Drożdżyński,**
Analysis of the Absorption and Luminescence Spectra of U³⁺:Cs₂NaYBr₆ Single Crystals.
Chem. Phys. **287**₃ (2003) 365–75. [DOI]
95. **L. KĘPIŃSKI, M. WOŁCYRZ,**
Nanocrystalline Rare Earth Silicates: Structure and Properties.
Mater. Chem. Phys. **81**_{2/3} (2003) 396–400. [DOI]
 11th Int. Conf. on Electron Microscopy of Solids (EMC 2002) KRYNICA, PL, 2002.05 19–23
96. D. D. Khalyavin, M. Pekała, G. L. Bychkov, S. V. Shiryaev, S. N. Barilo, I. O. Troyanchuk, **J. MUCHA, H. MISIOREK, R. Szymczak, M. Baran, H. Szymczak,**
Magnetotransport Properties of Flux Melt Grown Single Crystals of Co-Substituted Manganites with Perovskite Structure.
J. Phys. Cond. Matt. **15**₆ (2003) 925–36. [DOI]
97. L. Kirpichnikova, M. Połomska, **A. PIETRASZKO, B. Hilczer, L. Szcześniak,**
Domain Structure in [(NH₄)_{1-x}Rb_x]₃·H(SO₄)₂ Mixed Crystals in the Vicinity of Ferroelastic–Superprotonic Transition.
Ferroelectrics **290**₁₋₄ (2003) 61–9. [DOI]
 7th Int. Symp. on Ferroic Domains and Mesoscopic Structures, GIENS (Toulon) FR, 2002.09 15–17

98. **P.W. KLAMUT**, B.Dabrowski, S.M.Mini, M.Maxwell, J.Mais, I.Felner, U.Asaf, F.Ritter, A.Shengelaya, R.Khasanov, I.M.Savić, H.Keller, A.Wiśniewski, R.Puźniak, I.M.Fita, **CZ. SUŁKOWSKI**, **M. MATUSIAK**,
On the Effect of Heterovalent Substitutions in Ruthenocuprates.
Physica C **387**_{1/2} (2003) 33–9. [\[DOI\]](#)
3rd Int.Worksh.on Magnetism & Superconductivity of Advanced Materials (PLUS-03) ŁĄDEK Zdrój, PL, 2002.07 14–19
99. **Z. KLETOWSKI**,
High-Field DE HAAS – VAN ALPHEN Effect in GdIn₃.
phys. stat. sol. (a) **196**₁ (2003) 356–8. [\[DOI\]](#)
10th Eur.Conf.on Physics of Magnetism, POZNAŃ, PL, 2002.07 01–05
100. **Z. KLETOWSKI**, **J. MUCHA**, **H. MISIOREK**,
Thermal Conductivity of LaSn₃.
Acta Phys. Pol. B **34**₂ (2003) 1101–4 [pt II].
Int.Conf.on Strongly Correlated Electron Systems (SCES'2002) CRACOW, PL, 2002.07 10–13
101. T.Klimczuk, **T. PŁACKOWSKI**, W.Sadowski, M.Plebańczyk,
A Resistivity Peak Close to T_c in Nd_{2-x}Ce_xCuO_{4-y} Single Crystals.
Physica C **387**_{1/2} (2003) 203–7. [\[DOI\]](#)
3rd Int.Worksh.on Magnetism & Superconductivity of Advanced Materials (PLUS-03) ŁĄDEK Zdrój, PL, 2002.07 14–19
102. **R. KLIMKIEWICZ**, **H. GRABOWSKA**, L.Syper,
Парофазное превращение эфиров в кетоны в присутствии Sn, Ce, Rh-содержащего оксидного катализатора. [Vapor-Phase Conversion of Esters into Ketones in the Presence of an Sn-, Ce-, and Rh-Containing Oxide Catalyst.]
Кинет. Катализ **44**₂ (2003) 307–10 [in Russian]. Engl. in: *Kinet. Catal.* **44**₂ (2003) 283–6. [\[DOI\]](#)
103. **R. KLIMKIEWICZ**, **H. GRABOWSKA**, L.Syper,
Metameric Esters Ketonization in the Vapor Phase over Solid Catalyst.
Res. Chem. Intermed. **29**₁ (2003) 83–90. [\[DOI\]](#)
104. **R. KLIMKIEWICZ**, **H. GRABOWSKA**, H.Teterycz,
Sn–Ce–Rh–O Monophase System as a New Type of *ortho*-Selective Catalyst for Phenol Alkylation.
Appl. Catal. A **246**₁ (2003) 125–36. [\[DOI\]](#)
105. **R. KLIMKIEWICZ**, **H. GRABOWSKA**, H.Teterycz,
Application of Zr–Mg–Y–O Catalyst for Ketonization of Ester and Alcohol Type Industrial Wastes.
Pol. J. Envir. Stud. **12**₁ (2003) 67–71.
106. **R. KLIMKIEWICZ**, I.Morawski, L.Syper, A.Biskupski, H.Teterycz,
Aldehyd izomasłowy potencjalnym surowcem do ketonizacji. [Isobutyraldehyde – a Potential Material for Ketonization.]
Przem. Chem. **82**_{8/9} (2003) 608–10 [pt I; in Polish].
107. U.Kolitsch, **M. MAĆZKA**, **J. HANUZA**,
NaAl(MoO₄)₂ : a Rare Structure Type among Layered Yavapaiite-Related AM(XO₄)₂ Compounds.
Acta Cryst. E **59**₂ (2003) i10–3. [\[DOI\]](#)
108. J.Konopka, A.Konopka, P.Waldow, R.Jose, **M. WOŁCYRZ**,
Dielectric Properties of Nanoparticulate Ba₂EuZrO_{5.5} Perovskite at Microwave Frequencies.
J. Appl. Phys. **94**₅ (2003) 3451–56. [\[DOI\]](#)
109. **G. KONTRYM-SZNAJD**,
Tomografia pozytonowa w fizyce i medycynie. [Positron Tomography in Physics and Medicine.]
Act. Bio-Opt. Inform. Med. **9**_{1/2} (2003) 19–26 [in Polish].

110. **G. KONTRYM-SZNAJD, M. SAMSEL-CZEKAŁA, S. Huotari, K. Hämäläinen, S. Manninen,**
FERMI-Surface Mapping from Compton Profiles: Application to Beryllium.
Phys. Rev. B **68** (2003) 15 5106 (6). [\[DOI\]](#)
111. **T.K. KOPEĆ,**
Effect of Phase Fluctuations on the Penetration Depth in Local-Pair Superconductors.
Physica C **387**_{1/2} (2003) 89–92. [\[DOI\]](#)
3rd Int. Worksh. on Magnetism & Superconductivity of Advanced Materials (PLUS-03) ŁĄDEK Zdrój, PL, 2002.07 14–19
112. **T.K. KOPEĆ,**
Optical Sum Rule Violation and the Kinetic Energy Change at the Phase Coherence Transition in Superconductors with Pseudogap.
Phys. Rev. B **67** (2003) 01 4520 (5). [\[DOI\]](#)
113. **T.K. KOPEĆ, T.P. POLAK,**
Superconducting–Insulating Transition in Quantum Three-Dimensional JOSEPHSON Junction Arrays with Magnetic and Charge Frustration.
Phys. Rev. B **67** (2003) 21 4505 (5). [\[DOI\]](#)
114. **T.K. KOPEĆ, T.A. ZALESKI,**
Quantum Criticality in the SO(5) Theory of Antiferromagnetism and Superconductivity.
Physica C **387**_{1/2} (2003) 65–8. [\[DOI\]](#)
3rd Int. Worksh. on Magnetism & Superconductivity of Advanced Materials (PLUS-03) ŁĄDEK Zdrój, PL, 2002.07 14–19
115. B. Kosturek, Z. Czapla, **A. WAŚKOWSKA,**
Structure and Phase Transition of [(CH₂OH)₃CNH₃]₂SiF₆.
Z. Naturforsch. (a) **58**_{2/3} (2003) 121–25.
116. L. Kovács, K. Lengyel, A. Baraldi, R. Capelletti, M. Berkowski, **W. RYBA-ROMANOWSKI,**
Hydroxyl Ion Absorption in LaGaO₃ Single Crystals.
J. Phys. Chem. Solids **64**₅ (2003) 741–7. [\[DOI\]](#)
117. R. Kraft, R. Pöttgen, **D. KACZOROWSKI,**
Magnetic and Electrical Behavior in CeMgGa.
Chem. Mater. **15**₁₅ (2003) 2998–3002. [\[DOI\]](#)
118. **L. KRAJCZYK, M. SUSZYŃSKA,**
The Microstructure of Soda–Lime Silicate Glasses Detected by Electron Microscopy.
Radiat. Eff. Def. Solids **158**_{1–6} (2003) 399–402. [\[DOI\]](#)
9th Eur. Conf. on Defects in Insulating Materials, WROCŁAW, PL, 2002.07 01–05
119. **J. KRAWCZYK, A. PIETRASZKO, R. KUBIAK, K. ŁUKASZEWICZ,**
Diffuse Scattering and Short-Range Order in Uranium Iodine Phthalocyanine [U_{1–x}Pc₂]I_{2–y} and the X-ray Structure Analysis of the Crystals with Diffuse Superstructure Reflections.
Acta Cryst. B **59**₃ (2003) 384–92. [\[DOI\]](#)
120. A.I. Krivchikov, V.V. SUMAROKOV, **J. MUCHA, P. STACHOWIAK, A. JEŻOWSKI, O.A. Korolyuk,**
Thermal Conductivity of Solid Parahydrogen with Methane Admixtures.
Fiz. Nizk. Temp. **29**₆ (2003) 706–9.
 Also in: *Low Temp. Phys.* **29**₆ (2003) 527–9; [\[DOI\]](#) with Erratum: *ibid.*, Nr 11, pp. 967–9. [\[DOI\]](#)
3rd Int. Worksh. on Low Temperature Microgravity Physics, CHERNOGOLOVKA, RU, 2002.08 12–18
121. **T. KRZYSZTOŃ,**
Magnetic Flux Penetration and Motion in Antiferromagnetic Superconductors.
J. Low Temp. Phys. **130**_{3/4} (2003) 237–60. [\[DOI\]](#)
NATO Adv. Res. Worksh. on Vortex Dynamics in High Temperature Superconductors, TASHKENT, UZ, 2002.05 17–22

122. **T. KRZYSZTOŃ,**
Two-Step Flux Penetration in Layered Antiferromagnetic Superconductor.
Physica C **383**₄ (2003) 457–64. [\[DOI\]](#)
123. **R. KUBIAK, A. WAŚKOWSKA,**
From In₂Pc₃ to [(InPc)₂(μ-OH)₂·4-Me[thyl]py[ridine] and InPc₂H and H₂Pc. Determining Role of Water.
J. Mol. Struct. **649**_{1/2} (2003) 55–60. [\[DOI\]](#)
124. S.Küick, **I. SOKÓLSKA,**
Room Temperature Emission from the Pr³⁺ ¹S₀-Level in PrF₃.
Appl. Phys. A **77**_{3/4} (2003) 469–74. [\[DOI\]](#)
125. S.Küick, **I. SOKÓLSKA,** M.Henke, M.Döring, T.Scheffler,
Photon Cascade Emission in Pr³⁺-Doped Fluorides.
J. Lumin. **102/103** (2003.05) 176–81. [\[DOI\]](#)
Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'02) BUDAPEST, HU, 2002.08 24–29
126. Ю.А.Кумзеров, Л.С.Парфеньева, И.А.Смирнов, **Н. MISIOREK, J. MUCHA, A. JEŻOWSKI,**
Теплопроводность кристаллического хризотилового асбеста.
 [Thermal Conductivity of Crystalline Chrysotile Asbestos.]
Физ. Твёрд. Тела **45**₁ (2003) 56–9 [in Russian]. Engl.in: *Phys. Solid State* **45**₁ (2003) 57–60. [\[DOI\]](#)
127. G.M.Kuz'micheva, A.S.Andreenko, I.E.Kostyleva, **A. ZALESKI, J. Warchulska,**
Synthesis, Structure, Superconducting and Magnetic Properties of (Ru_{1-x}⁵⁺Mo_x⁶⁺)(Sr,Gd)₂(Gd_{0.7}Ce_{0.3})₂Cu₂O_{10-δ} (x = 0.0, 0.25, 0.50, 0.75, 1.0).
Physica C **400**_{1/2} (2003) 7–18. [\[DOI\]](#)
128. Z.Latajka, G.Gajewski, H. RATAJCZAK, J.Venturini,
Hyperpolarizabilities of Pyridine Derivatives and Their Protonated Species: *Ab initio* Studies.
Bull. Pol. Ac. Chem. **51**₁ (2003) 1–4.
129. **R. LEMAŃSKI, Z. GAJEK,**
Doping-Induced Transition from an Antiferro-Type Order to Phase Separation.
Acta Phys. Pol. B **34**₂ (2003) 807–10 [pt I].
Int.Conf.on Strongly Correlated Electron Systems (SCES 2002) CRACOW, PL, 2002.07 10–13
130. **R. LEMAŃSKI, J. Wojtkiewicz,**
Ground States of the Spin-1/2 FALICOV–KIMBALL Model.
phys. stat. sol. (b) **236**₂ (2003) 408–11. [\[DOI\]](#)
10th Eur.Conf.on Physics of Magnetism, POZNAŃ, PL, 2002.07 01–05
131. K.Lengyel, L.Kovács, A.Baraldi, R.Capelletti, M.Berkowski, **W. RYBA-ROMANOWSKI,**
The Stretching Vibration of Hydroxyl Ions in LaGaO₃.
Radiat. Eff. Def. Solids **158**_{1–6} (2003) 61–5. [\[DOI\]](#)
9th Eur.Conf.on Defects in Insulating Materials, WROCLAW, PL, 2002.07 01–05
132. **L. LIPIŃSKI, A. SZMYRKA-GRZEBYK,**
Temperature Fixed Points in Low Temperature Thermometry.
Metrol. Meas. Syst. **10**₂ (2003) 205–15.
133. **B. MACALIK,**
Optical Properties of Gamma Irradiated Soda–Lime Silicate Glasses Exchanged with Copper.
Radiat. Eff. Def. Solids **158**_{1–6} (2003) 403–6. [\[DOI\]](#)
9th Eur.Conf.on Defects in Insulating Materials, WROCLAW, PL, 2002.07 01–05

134. M. MAĆZKA, J. HANUZA, J.-H.Ko, S.Kojima,
High-Resolution Broadband BRILLOUIN Scattering Study of Antiferroelectric Phase Transition in CsBi(MoO₄)₂.
Phys. Rev. B **68** (2003) 17 4101(8). [\[DOI\]](#)
135. M. MAĆZKA, J. HANUZA, A.WAŚKOWSKA,
Vibrational Studies of Alkali Metal Hexatungstates.
J. Raman Spectr. **34**₆ (2003) 432–7. [\[DOI\]](#)
136. M. MAĆZKA, J.-H.Ko, D.S.Kojima, J. HANUZA, A.Majchrowski,
BRILLOUIN Scattering in RbNbWO₆.
J. Appl. Phys. **94**₆ (2003) 3781–4. [\[DOI\]](#)
137. M. MAĆZKA, J.-H.Ko, S.Kojima, A.Majchrowski, J. HANUZA,
BRILLOUIN Study of Phase Transitions in KNbW₂O₉ Bronze.
J. Raman Spectr. **34**₅ (2003) 371–4. [\[DOI\]](#)
138. M. MAĆZKA, A.G.Souza Filho, P.T.C.Freire, J.Mendes Filho, S.Kojima, J. HANUZA, A.Majchrowski,
Pressure- and Temperature-Dependent RAMAN Studies of KNbW₂O₉ Hexagonal Tungsten Bronze.
J. Raman Spectr. **34**₃ (2003) 199–204. [\[DOI\]](#)
139. M.K. MARCHEWKA,
Infrared and RAMAN Spectra of Melaminium bis(4-Hydroxybenzenesulfonate) Dihydrate.
Acta Chim. Sloven. **50**₂ (2003) 239–51.
140. M.K. MARCHEWKA,
Infrared and RAMAN Spectra of bis(Melaminium) Sulfate Dihydrate.
J. Chem. Res. S Nr 8 (2003) 518–21.
141. M.K. MARCHEWKA, J. BARAN, A.PIETRASZKO, A.HAZNAR, S.Debrus, H. RATAJCZAK,
Crystal Structure, Vibrational Spectra and Nonlinear Optical Properties of New Melaminium Salt: 2,4,6-Triamino-1,3,5-Triazin-1,3-ium Tartrate Monohydrate.
Solid State Sci. **5**₃ (2003) 509–18. [\[DOI\]](#)
142. M.K. MARCHEWKA, J. BARAN, H. RATAJCZAK,
Polarized Infrared and RAMAN Studies of K₄LiH₃(SO₄)₄ Single Crystal. Part 1. Room Temperature Experiments.
Vibr. Spectr. **33**_{1/2} (2003) 93–104. [\[DOI\]](#)
143. M.K. MARCHEWKA, S.Debrus, M. DROZD, J. BARAN, A.J.Barnes, D.Xue, H. RATAJCZAK,
Vibrational Spectra, Phase Transition and Nonlinear Optical Properties of Anilinium Perchlorate Molecular-Ionic Solid.
Pol. J. Chem. **77**₁₁ (2003) 1625–36.
144. M.K. MARCHEWKA, S.Debrus, A.PIETRASZKO, A.J.Barnes, H. RATAJCZAK,
Crystal Structure, Vibrational Spectra and Nonlinear Optical Properties of L-Histidinium-L-Tartrate Hemihydrate.
J. Mol. Struct. **656**_{1–3} (2003) 265–73. [\[DOI\]](#)
145. M.K. MARCHEWKA, S.Debrus, H. RATAJCZAK,
Vibrational Spectra and Second Harmonic Generation in Molecular Complexes of L-Lysine with L-Tartaric, D,L-Malic, Acetic, Arsenous, and Fumaric Acids.
Cryst. Growth Des. **3**₄ (2003) 587–92. [\[DOI\]](#)
146. M.K. MARCHEWKA, M. DROZD, A.PIETRASZKO,
Structure, Spectra and Phase Transition in p-Nitroanilinium Perchlorate Crystal.
Mater. Sci. Eng. B **100**₃ (2003) 225–33. [\[DOI\]](#)

147. M.K. MARCHEWKA, J. JANCZAK, S. Debrus, J. BARAN, H. RATAJCZAK,
Crystal Structure, Vibrational Spectra and Nonlinear Optical Properties of Tetrakis(2,4,6-Triamino-1,3,5-Triazin-1-ium) bis(Selenate)Trihydrate Crystal.
Solid State Sci. **5**₄ (2003) 643–52. [DOI]
148. M.K. MARCHEWKA, A. PIETRASZKO,
Structure and Spectra of Melaminium Citrate.
J. Phys. Chem. Solids **64**₁₁ (2003) 2169–81. [DOI]
149. M.K. MARCHEWKA, H. RATAJCZAK, S. Debrus,
Infrared Spectrum and Nonlinear Optical Properties of *p*-Nitroaniline-L-Tartaric Acid (2:1) Molecular Complex.
J. Nonlin. Opt. Phys. Mater. **12**₁ (2003) 113–21. [DOI]
150. K. MARUSZEWSKI, A. Hreniak, J. Czyżewski, W. STRĘK,
Electroreduction of Methyl Viologen in Methanol and Silicate Thin Films Prepared by the Sol–Gel Method.
Opt. Mater. **22**₃ (2003) 221–5. [DOI]
151. K. MARUSZEWSKI, M. Jasiorski, D. HRENIAK, W. STRĘK, K. HERMANOWICZ, K. Heiman,
RAMAN Spectra of Molecules Adsorbed on Ag Centers in Sol–Gel Matrices.
J. Sol–Gel Sci. Technol. **26**_{1–3} (2003) 83–8. [DOI]
11th Int. Worksh. on Glasses, Ceramics, Hybrids and Nanocomposites from Gels, ABANO Terme (Padova) IT, 2001.09 16–21
152. K. MARUSZEWSKI, W. STRĘK, M. Jasiorski, A. Ucyk,
Technology and Applications of Sol–Gel Materials.
Radiat. Eff. Def. Solids **158**_{1–6} (2003) 439–50. [DOI]
9th Eur. Conf. on Defects in Insulating Materials, WROCŁAW, PL, 2002.07 01–05
153. M. MATUSIAK, T. PLACKOWSKI, CZ. SUŁKOWSKI,
A Direct Correlation between T_c and EDOS for 1-2-3 Type $(Ca_{0.1}La_{0.9})(Ba_{1.65}La_{0.35})Cu_3O_y$ Superconductor.
Physica C **387**_{1/2} (2003) 183–6. [DOI]
3rd Int. Worksh. on Magnetism & Superconductivity of Advanced Materials (PLUS-03) LADEK Zdrój, PL, 2002.07 14–19
154. M. MATUSIAK, T. PLACKOWSKI, C. SUŁKOWSKI, H. MISIOREK,
Thermomagnetic Properties of the Overdoped $La_{1.7}Sr_{0.3}CuO_4$ Superconductor.
Physica C **384**₃ (2003) 237–46. [DOI]
155. H. MISIOREK, J. MUCHA, A.V. Golubkov, L.S. Parfen'eva, I.A. Smirnov, W. Assmus, F. Ritter,
Transport Properties of Heavy Fermion Compounds: $YbIn_{1-y}Cu_{4+y}$ and $YbIn_{1-x}Ag_xCu_4$.
Int. J. Thermophys. **24**₅ (2003) 1415–26 [SI]. [DOI]
16th Eur. Conf. on Thermophysical Properties, LONDON, E, UK, 2002.09 01–04
156. W. MIŚTA, M. ZAWADZKI, H. GRABOWSKA,
Hydrothermal Preparation of $CuO-ZnAl_2O_4$ Catalyst for Phenol *ortho*-Alkylation with Methanol: Effect of the Calcination Temperature on the Catalytic Performance.
Res. Chem. Intermed. **29**₂ (2003) 137–46. [DOI]
157. W. MIŚTA, J. Ziaja, A. Gubański,
Wpływ temperatury wygrzewania na mikrostrukturę cienkich warstw Zn–Bi–O.
 [Influence of Heat-Treatment on Microstructure of Zn–Bi–O Thin Films.]
Pr. Nauk. IPPEE Polit. Wrocl. Nr 38, Ser. Konf. Nr 13 (2003) 225–7.
V Konf. "Postępy w elektrotechnologii" [5th Conf. on Advances in Electrotechnology] JAMROZOWA POLANA, PL, 2003.09 08–10

158. **J. MUCHA, H. MISIOREK**, A.V.Golubkov, L.S.Parfen'eva, I.A.Smirnov,
Thermal Conductivity Sm_3S_4 – System with Mixed Valence of Sm Ions.
Int. J. Thermophys. **24**₃ (2003) 859–65. [\[DOI\]](#)
 16th Eur.Conf.on Thermophysical Properties, LONDON, E, UK, 2002.09 01–04
159. **J. MUCHA, M. Pękała, J. Szydłowska, W. Gadomski, J. Akimitsu, J.-F. Fagnard, P. Vanderbemden, R. Cloots, M. Ausloos,**
Magnetotransport Study of MgB_2 Superconductor.
Supercond. Sci. Technol. **16**₁₀ (2003) 1167–72. [\[DOI\]](#)
160. **J. MULAŁ,**
The Minimal Number of Parameters in Triclinic Crystal-Field Potentials.
Physica B **337**_{1–4} (2003) 173–9. [\[DOI\]](#)
161. **J. MULAŁ,**
On Crystal-Field Parametrization in a Uniformly Strained Crystal Lattice.
phys. stat. sol. (b) **239**₂ (2003) 316–29. [\[DOI\]](#)
162. Y.Nakamura, P.Vajda, **O.J. ŻOGAŁ,** E.Akiba,
Structural Investigation of Hydrogen Solubility in Y_yR_{1-y} Alloys ($\text{R} = \text{Tb}$ and Gd).
J. Alloy. Compd. **356/357** (2003.08 11) 105–8. [\[DOI\]](#)
 8th Int.Symp.on Metal–Hydrogen Systems, Fundamentals and Applications (MH2002) ANNECY, FR, 2002.09 02–06
163. S.A.Nikitin, I.S.Tereshina, N.Yu.Pankratov, T.Palewski, **H. DRULIS,** M.V.Makarova,
 Yu.G.Pastushenkov,
Effect of Hydrogen on the Magnetic Characteristics of $\text{Nd}_2\text{Fe}_{14}\text{B}$ Single Crystal.
phys. stat. sol. (a) **196**₁ (2003) 317–20. [\[DOI\]](#)
 10th Eur.Conf.on Physics of Magnetism, POZNAŃ, PL, 2002.07 01–05
164. K.Nishidate, M.Baba, S.Sarjono, M.Hasegawa, K.Nishikawa, **I. SOKÓLSKA,**
W. RYBA-ROMANOWSKI,
First-Principles Study on the Energetics and Vibrational Properties of the S_2^- Impurity in Alkali–Halide Crystals.
Phys. Rev. B **68** (2003) 22 4307(6). [\[DOI\]](#)
165. J.Ogawa, M.Shiokawa, **M. CISZEK,** O.Tsukamoto,
AC Losses in YBCO-Coated Conductors Carrying ACV Transport Currents in Perpendicular AC External Magnetic Field.
IEEE Tr. Appl. Superc. **13**₂ (2003) 1735–38 [pt II]. [\[DOI\]](#)
 Applied Superconductivity Conf. 2002, HOUSTON, TX, US, 2002.08 04–09
166. **J. OKAŁ, L. KĘPIŃSKI, L. KRAJCZYK,** W.Tylus,
Oxidation and Redispersion od a Low-Loaded $\text{Re}/\gamma\text{-Al}_2\text{O}_3$ Catalyst.
J. Catal. **219**₂ (2003) 362–71. [\[DOI\]](#)
167. A.Opalińska, **D. HRENIAK,** W.Łojkowski, **W. STRĘK,** A.Presz, E.Grzanka,
Structure, Morphology and Luminescence Properties of Pr-Doped Nanocrystalline ZrO_2 Obtained by Hydrothermal Method.
Solid State Phenom. **94** (2003) 141–4.
 Symp.on Interfacial Effects in Nanostructured Materials, WARSAW, PL, 2002.09 14–18
168. B.Pantchev, P.Danesh, K.Antonova, B.Schmidt, D.Grambole, **J. BARAN,**
Effect of Film Thickness on Hydrogen Content in $\alpha\text{-Si:H}$.
J. Mater. Sci. Mater. Electron. **14**_{10–12} (2003) 751–2. [\[DOI\]](#)
 12th Int.Sch.on Condensed Matter Physics: Contemporary Trends in Condensed Matter Physics and Technology, VARNA, BG, 2002.09 01–06

169. Л.С.Парфеньева, А.И.Шелых, И.А.Смирнов, А.В.Прокофьев, W.Assmus, **Н. MISIOREK, J. MUCHA, А. JEŻOWSKI**, И.Г.Василева,
Перенос тепла по немагнитным литиевым цепочкам в новом одномерном суперионике LiCuVO_4 . [Heat Transport over Nonmagnetic Lithium Chains in LiCuVO_4 , a New One-Dimensional Superionic Conductor.]
Физ. Твёрд. Тела **45**₁₁ (2003) 1991–6 [in Russian]. Engl.in: *Phys. Solid State* **45**₁₁ (2003) 2093–8. [\[DOI\]](#)
170. Л.С.Парфеньева, И.А.Смирнов, А.В.Фокин, **Н. MISIOREK, J. MUCHA, А. JEŻOWSKI**,
Рассеяние фононов на границах малых кристаллов, помещенных в диэлектрическую матрицу пористого стекла. [Phonon Scattering from the Boundaries of Small Crystals Embedded in a Dielectric Porous-Glass Matrix.]
Физ. Твёрд. Тела **45**₂ (2003) 359–63 [in Russian]. Engl.in: *Phys. Solid State* **45**₂ (2003) 381–5. [\[DOI\]](#)
171. S.Paschen, **V.H. TRAN**, N.Senthilkumaran, M.Baenitz, F.Steglich, A.M.Strydom, P.de V. Du Plessis, G.Motoyama, N.K.Sato,
First Results on $\text{U}_2\text{Ru}_2\text{Sn}$ Single Crystals.
Physica B **329-33** (2003.05) 549–50 [pt II]. [\[DOI\]](#)
23rd Int. Conf. on Low Temperature Physics (LT-23) HIROSHIMA, JP, 2002.08 20–27
172. **S. PASZKOWSKI**,
Convergence Acceleration of Some Continued Fractions.
Numer. Algorithms **32**_{2–4} (2003) 193–247. [\[DOI\]](#)
173. M.Peękała, **J. MUCHA**, R.Cloots, J.-F.Fagnard, Ph.Vanderbemdown, M.Ausloos,
Magneto-Transport Study of Nb-Doped Bi/Pb2223 Superconductor.
Physica C **387**_{1/2} (2003) 191–7. [\[DOI\]](#)
3rd Int. Worksh. on Magnetism & Superconductivity of Advanced Materials (PLUS-03) LADEK Zdrój, PL, 2002.07 14–19
174. B.Penc, A.Szytuła, J.Hernández-Velasco, **A. ZYGMUNT**,
Antiferromagnetic Properties of Ternary Galides RRhGa ($R = \text{Tb, Ho}$ and Er).
J. Magn. Magn. Mater. **256**_{1–3} (2003) 373–80. [\[DOI\]](#)
175. G.J.Perpétuo, **J. JANCZAK**,
Anilinium Monohydrogen DL-Malate.
Acta Cryst. C **59**₁₂ (2003) o709–11. [\[DOI\]](#)
176. G.J.Perpétuo, **J. JANCZAK**,
Three-Dimensional Self-Assembly Supramolecular Structure of Hydrogen Bonded Melaminium Citrate.
Pol. J. Chem. **77**₁₀ (2003) 1323–37.
177. G.J.Perpétuo, M.R.L.Oliveira, **J. JANCZAK**, H.P.Vieira, F.F.Amaral, V.M.De Bellis,
Syntheses, Crystal Structure and Spectroscopic Characterization of Novel N-R-Sulfonyldithiocarbimate Zinc(II) Complexes.
Polyhedron **22**_{25/26} (2003) 3355–62. [\[DOI\]](#)
178. **A.P. PIKUL, D. KACZOROWSKI**, H.Michor, P.Rogl, E.Bauer, G.Hilscher, Yu.Grin,
On the Magnetic, Electrical and Thermodynamic Properties of Ce_3NiGe_2 .
J. Phys. Cond. Matt. **15**₅₀ (2003) 8837–51. [\[DOI\]](#)
179. **A.P. PIKUL, D. KACZOROWSKI**, H.Michor, P.Rogl, **A. CZOPNIK**, Yu.Grin, E.Bauer, G.Hilscher,
Low-Temperature Specific Heat of Ce–Ni–Ge Compounds and Their Nonmagnetic Analogues.
Acta Phys. Pol. B **34**₂ (2003) 1235–8 [pt II].
Int. Conf. on Strongly Correlated Electron Systems (SCES 2002) CRACOW, PL, 2002.07 10–13
180. **A.P. PIKUL, D. KACZOROWSKI, T. PLACKOWSKI, A. CZOPNIK**, H.Michor, E.Bauer, G.Hilscher, P.Rogl, Yu.Grin,
KONDO Behavior in Antiferromagnetic CeNiGe_3 .
Phys. Rev. B **67** (2003) 22 4417(10). [\[DOI\]](#)

181. **A.P. PIKUL, D. KACZOROWSKI**, P.Rogl, Yu.Grin,
KONDO Effect in the Presence of Crystal-Field in Ce–Ni–Ge Compounds.
phys. stat. sol. (b) **236**₂ (2003) 364–7. [\[DOI\]](#)
 10th Eur.Conf.on Physics of Magnetism, POZNAŃ, PL, 2002.07 01–05
182. J.Pisarska, M.Ślęzok, M.Żelechower, W.A.Pisarski, T.Goryczka, **W. RYBA-ROMANOWSKI**,
Physical Properties of InF₃-Based Glasses.
Opt. Applic. **33**₁ (2003) 133–9.
 6th Semin.on Porous Glasses & Special Glasses (PGL 2002) SZKLARSKA POREĘBA, PL, 2002.09 22–26
183. J.Pisarska, M.Ślęzok, M.Żelechower, S.Serkowski, T.Goryczka, W.A.Pisarski,
W. RYBA-ROMANOWSKI,
Some Properties of InF₃-Based Fluoride Glasses Doped with Tm³⁺ and Tm³⁺–Tb³⁺ Ions.
Proc. SPIE **5028** (2003.04) 181–5. [\[DOI\]](#)
 8th Semin.on Optical Fibers and Their Applications, BIAŁOWIEŻA, PL, 2002.01 23–26
184. W.A.Pisarski, J.Pisarska, **W. RYBA-ROMANOWSKI**,
Effect of Erbium Concentration on Physical Properties of Fluorindate Glass.
Chem. Phys. Lett. **380**_{5/6} (2003) 604–8. [\[DOI\]](#)
185. W.A.Pisarski, J.Pisarska, **W. RYBA-ROMANOWSKI**,
JUDD–OFELT Analysis and Emission Properties of Eu³⁺ Ions in Fluorindate Glasses.
Proc. SPIE **5028** (2003.04) 225–30. [\[DOI\]](#)
 8th Semin.on Optical Fibers and Their Applications, BIAŁOWIEŻA, PL, 2002.01 23–26
186. **T. PLACKOWSKI**, A.Junod, F.Bouquet, I.Sheikin, Y.Wang, **A. JEŻOWSKI**, K.Mattenberger,
Specific Heat and Isothermal Magnetocaloric Effect for Single-Crystal UAs.
Phys. Rev. B **67** (2003) 18 4406(13). [\[DOI\]](#)
187. **T.P. POLAK, T.K. KOPEĆ**,
Charging and Magnetic Field Effects in Three-Dimensional JOSEPHSON Junction Arrays.
Physica C **387**_{1/2} (2003) 102–4. [\[DOI\]](#)
 3rd Int.Worksh.on Magnetism & Superconductivity of Advanced Materials (PLUS-03) LADEK Zdrój, PL, 2002.07 14–19
188. **T.P. POLAK, T.K. KOPEĆ**,
Zero-Temperature Phase Diagram of Charge and Magnetically Frustrated Two-Dimensional Quantum JOSEPHSON Junction Arrays.
Physica C **387**_{1/2} (2003) 105–8. [\[DOI\]](#)
 3rd Int.Worksh.on Magnetism & Superconductivity of Advanced Materials (PLUS-03) LADEK Zdrój, PL, 2002.07 14–19
189. **D. POTOCZNA-PETRU, L. KRAJCZYK**,
Spreading of Cobalt Phase and Silicate Formation in Co/SiO₂ Model Catalyst.
Catal. Lett. **87**_{1/2} (2003) 51–6. [\[DOI\]](#)
190. М.К.Рабаданов, **A.PIETRASZKO**, В.В.Киреев, А.К.Иванов-Считз, В.И.Симонов,
Атомная структура и механизм ионной проводимости монокристаллов Li_{3.31}Ge_{0.31}P_{0.69}O₄.
 [Atomic Structure and Mechanism of Ionic Conductivity of Li_{3.31}Ge_{0.31}P_{0.69}O₄ Single Crystals.]
Кристаллография **48**₅ (2003) 802–8 [in Russian]. Engl.in: *Crystallogr. Rep.* **48**₅ (2003) 744–9. [\[DOI\]](#)
191. K.Rećko, L.Dobrzyński, K.Szymański, D.Satuła, K.Perzyńska, M.Biernacka, J.Waliszewski, P.Zaleski,
W. SUSKI, K. WOCHOWSKI, M.Hofmann, D.Hohlwein,
Magnetic Properties of ThFe_xAl_{12–x} Alloys.
phys. stat. sol. (a) **196**₁ (2003) 344–7. [\[DOI\]](#)
 10th Eur.Conf.on Physics of Magnetism, POZNAŃ, PL, 2002.07 01–05

192. K.Rećko, K.Szymański, L.Dobrzynski, D.Satuła, B.C.Hauback, **W. SUSKI**, B.Yu.Kotur,
Crystallochemical and Magnetic Behavior of Sc(FeAl₁₂) Samples by Powder Diffraction and MÖSSBAUER Techniques.
Mol. Phys. Rep. **38** (2003) 113–7.
Summ.Sch.on New Magnetics, BĘDLEWO (Poznań) PL, 2003.09 15–19
193. P.Reng, M.B.Zapart, **J. HANUZA**, **M. MAĆZKA**,
Phase Transition in KSc(WO₄)₂.
Mol. Phys. Rep. **37** (2003) 123–6.
20th Int.Conf.on Radio- and Microwave Spectroscopy (RAMIS'03) POZNAŃ, PL, 2003.04 24–26
194. **K. ROGACKI**,
Unusual Behavior of Antiferromagnetic Superconductors in Low Magnetic Fields.
Physica C **387**_{1/2} (2003) 175–82. [DOI]
3rd Int.Worksh.on Magnetism & Superconductivity of Advanced Materials (PLUS-03) ŁĄDEK Zdrój, PL, 2002.07 14–19
195. **K. ROGACKI**,
Evidence for an Interplay between Superconductivity and Antiferromagnetism of Rare-Earth Ions in Gd_{1+x}Ba_{2-x}Cu₃O_{7-δ}.
Phys. Rev. B **68** (2003) 10 0507R (4). [DOI]
196. **W. RYBA-ROMANOWSKI**,
YVO₄ Crystals — Puzzles and Challenges.
Cryst. Res. Technol. **38**₃₋₅ (2003) 225–36. [DOI]
Int.Conf.on Solid State Crystals, ZAKOPANE, PL, 2002.09 10–15
197. **W. RYBA-ROMANOWSKI**, **G. DOMINIAK-DZIK**, **P. SOLARZ**, M.Berkowski,
Optical Study of Erbium-Doped La₃Ga_{5.5}Ta_{0.5}O₁₄ Single Crystal.
Mol. Phys. **101**₇ (2003) 1067–72. [DOI]
198. **W. RYBA-ROMANOWSKI**, **P. SOLARZ**,
Unusual Electron–Phonon Coupling in K₅Li₂SmF₁₀.
Chem. Phys. Lett. **377**_{1/2} (2003) 27–31. [DOI]
199. **M. SAMSEL-CZEKAŁA**, **G. KONTRYM-SZNAJD**, G.Döring, W.Schülke, J.Kwiatkowska,
F.Maniawski, S.Kaprzyk, A.Bansil,
Electron Momentum Density in Cu_{0.1}Al_{0.9}.
Appl. Phys. A **76**₁ (2003) 87–92. [DOI]
200. G.D.Saraiva, **M. MAĆZKA**, P.T.C.Freire, J.Mendes Filho, F.E.A.Melo, **J. HANUZA**, T.Morioka,
A.G.Souza Filho,
Pressure-Induced Irreversible Phase Transition in KSc(MoO₄)₂.
Phys. Rev. B **67** (2003) 22 4108(7). [DOI]
201. V.A.Sidorov, **A. WAŚKOWSKA**, **D. BADURSKI**,
V₃O₅ at High Pressure: Possible Heavy Fermion 3d-Metal Oxide.
Solid State Commun. **125**_{7/8} (2003) 359–63. [DOI]
202. **P. SOLARZ**, **W. RYBA-ROMANOWSKI**,
Effect of Temperature and Activator Concentration on Relaxation of Excited States of Eu³⁺ in K₅Li₂Ln_{1-x}Eu_xF₁₀ Crystals.
J. Phys. Chem. Solids **64**₈ (2003) 1289–96. [DOI]
203. **P. STACHOWIAK**, V.V.SUMAROKOV, **J. MUCHA**, **A. JEŻOWSKI**,
Excess Thermal Resistivity in N₂–CO Solid Solution at Low Carbon Monoxide Concentration.
Fiz. Nizk. Temp. **29**_{9/10} (2003) 989–91. Also in: *Low Temp. Phys.* **29**_{9/10} (2003) 744–5. [DOI]
4th Int.Conf.on Cryocrystals and Quantum Crystals, FREISING, DE, 2002.10 27–31

204. **P. STACHOWIAK**, V.V. SUMAROKOV, **J. MUCHA**, **A. JEŻOWSKI**,
High Thermal Conductivity of Solid Nitrous Oxide at Low Temperatures.
Phys. Rev. B **67** (2003) 17 2102(4). [DOI]
205. **W. STREK**, **D. HRENIAK**, G.Boulon, Y.Guyot, R.Pązik,
Optical Behavior of Eu³⁺-Doped BaTiO₃ Nanocrystallites Prepared by Sol–Gel Method.
Opt. Mater. **24**_{1/2} (2003) 15–22. [DOI]
 5th Israeli-French Worksh.on Optical Properties of Inorganic Materials, VILLEURBANNE (Lyon) FR, 2002.12 08–12
206. A.M.Strydom, **A.P. PIKUL**, **D. KACZOROWSKI**,
Electronic and Magnetic Properties of Ce₃Pd₅Si.
J. Alloy. Compd. **351**_{1/2} (2003) 54–8. [DOI]
207. A.M.Strydom, **R. TROĆ**,
Single-Crystal Magnetoresistivity and Magnetic Susceptibility of the KONDO Semimetal U₂Ru₂Sn.
Solid State Commun. **126**₄ (2003) 207–12. [DOI]
208. **C. SUŁKOWSKI**, **D. WŁOSEWICZ**, **M. MATUSIAK**, **T. PLACKOWSKI**, **A. SIKORA**, **R. HORYŃ**,
Superconducting and Transport Properties of TmBa₂Cu₃O_{7-δ} and Comparison to YBa₂Cu₃O_{7-δ}.
Physica C **387**_{1/2} (2003) 187–90. [DOI]
 3rd Int.Worksh.on Magnetism & Superconductivity of Advanced Materials (PLUS-03) ŁĄDEK Zdrój, PL, 2002.07 14–19
209. N.S.Sullivan, **P. STACHOWIAK**, C.Parks,
Nuclear Spin–Spin Relaxation in ³He–Ne Films.
Physica B **329-33** (2003.05) 140–1 [pt I]. [DOI]
 23rd Int.Conf.on Low Temperature Physics (LT-23) HIROSHIMA, JP, 2002.08 20–27
210. V.V. SUMAROKOV, **P. STACHOWIAK**, **A. JEŻOWSKI**,
Low-Temperature Thermal Conductivity of Solid Carbon Dioxide.
Fiz. Nizk. Temp. **29**₅ (2003) 603–5. Also in: *Low Temp.Phys.* **29**₅ (2003) 449–50. [DOI]
211. **W. SUSKI**, B.Belan, A.Gilewski, T.Mydlarz, **K. WOCHOWSKI**,
Magnetic Properties of the RMn_{12-x}T_x Alloys in High Magnetic Field.
Mater. Sci. (Poland) **21**₁ (2003) 107–13.
 7th Korean-Polish Joint Semin.on Physical Properties of Magnetic Materials, WARSAW, PL, 2002.12 01–05
212. **W. SUSKI**, **A. CZOPNIK**, **K. WOCHOWSKI**, **A.M. SOŁYGA**,
Specific Heat of the UCu_{4+x}Al_{8-x} Derivatives.
Acta Phys. Pol. B **34**₂ (2003) 621–4 [pt I].
 Int.Conf.on Strongly Correlated Electron Systems (SCES 2002) CRACOW, PL, 2002.07 10–13
213. **W. SUSKI**, **K. WOCHOWSKI**, T.Mydlarz, B.Belan,
Magnetic Properties of SmMn_{12-x}Ni_x System.
phys. stat. sol. (a) **196**₁ (2003) 290–3. [DOI]
 10th Eur.Conf.on Physics of Magnetism, POZNAŃ, PL, 2002.07 01–05
214. **M. SUSZYŃSKA**, **L. KRAJCZYK**, R.Capelletti, A.Baraldi, K.J.Berg,
Microstructure and Silver Nanoparticles in Ion-Exchanged and Deformed Soda–Lime Silicate Glasses.
J. Non-Cryst. Solids **315**_{1/2} (2003) 114–23. [DOI]
215. **M. SUSZYŃSKA**, **L. KRAJCZYK**, **B. MACALIK**,
Structural and Optical Characterization of Hydrogenated Soda–Lime Silicate Glasses Doped with Silver and Copper
Acta Phys. Pol. A **104**₆ (2003) 559–69.

216. **M. SUSZYŃSKA, L. KRAJCZYK, Z. MAZURKIEWICZ,**
TEM Studies of Silver Nanoparticles in Phase-Separated Soda–Lime Silicate Glasses.
Mater. Chem. Phys. **81**_{2/3} (2003) 404–6. [\[DOI\]](#)
11th Int. Conf. on Electron Microscopy of Solids (EMC 2002) KRYNICA, PL, 2002.05 19–23
217. B.Świątek-Tran, H.A.Kołodziej, **V.H. TRAN**, M.Baenitz, A.Vogt,
Magnetism of $\text{Co}(\text{C}_3\text{H}_4\text{N}_2)_2 \cdot \text{CO}_3 \cdot (\text{H}_2\text{O})_2$.
phys. stat. sol. (a) **196**₁ (2003) 232–5. [\[DOI\]](#)
10th Eur. Conf. on Physics of Magnetism, POZNAŃ, PL, 2002.07 01–05
218. **J. SZNAJD,**
Antiferromagnetic Chains Coupled by Weak Ferromagnetic Interchain Interactions.
Phys. Rev. B **68** (2003) 17 4420(7). [\[DOI\]](#)
219. **A. SZPRYNGER**, M.Lücke,
Noise Sensitivity of Sub- and Supercritically Bifurcating Patterns with Group Velocities Close to the Convective–Absolute Instability.
Phys. Rev. E **67** (2003) 04 6301(8) [pt II]. [\[DOI\]](#)
220. A.Szytuła, A.Jezierski, B.Penc, A.Winiarski, A.Leithe-Jasper, **D. KACZOROWSKI,**
Electronic Structure of YbTX Compounds.
J. Alloy. Compd. **360**_{1/2} (2003) 41–6. [\[DOI\]](#)
221. A.Szytuła, E.Wawrzyńska, B.Penc, N.Stüßer, **A. ZYGMUNT,**
Magnetic Properties of $\text{R}_3\text{Cu}_4\text{X}_4$ ($\text{R} = \text{Gd–Er}$; $\text{X} = \text{Ge, Sn}$) Compounds.
Physica B **327**_{2–4} (2003) 167–70. [\[DOI\]](#)
222. E.Talik, M.-E.Lucas, **W. SUSKI, R. TROĆ,**
XPS Spectra of the AFe_4Al_8 Compounds with $\text{A} = \text{Y, Sc, U}$ and Th .
J. Alloy. Compd. **350**_{1/2} (2003) 72–6. [\[DOI\]](#)
223. M.B.Tchoula Tchokonté, P.de V.Du Plessis, **D. KACZOROWSKI,**
Electrical Transport and Magnetic Properties of $(\text{Ce}_{1-x}\text{Gd}_x)\text{Pt}_2\text{Si}_2$ ($0 \leq x \leq 1$).
J. Phys. Cond. Matt. **15**₂₂ (2003) 3767–77. [\[DOI\]](#)
224. M.B.Tchoula Tchokonté, P.de V.Du Plessis, A.M.Strydom, **A. CZOPNIK, D. KACZOROWSKI,**
KONDO Properties in $(\text{Ce}_{1-x}\text{La}_x)\text{Cu}_5\text{In}$.
Acta Phys. Pol. B **34**₂ (2003) 1309–12 [pt II].
Int. Conf. on Strongly Correlated Electron Systems (SCES 2002) CRACOW, PL, 2002.07 10–13
225. I.S.Tereshina, S.A.Nikitin, G.A.Bezkorovainaya, **W. SUSKI, D. BADURSKI,**
Specific Features in Magnetic Resistivity of RFe_{11}Ti Single Crystals.
phys. stat. sol. (b) **236**₂ (2003) 462–5. [\[DOI\]](#)
10th Eur. Conf. on Physics of Magnetism, POZNAŃ, PL, 2002.07 01–05
226. I.S.Tereshina, S.A.Nikitin, **J. STEPIEŃ-DAMM, W. SUSKI**, A.A.Salamova, V.N.Verbitsky,
Structure and Magnetic Properties of $\text{Ho}_2\text{Fe}_{17}\text{H}_x$ ($x = 0; 3$) Single Crystals.
J. Magn. Magn. Mater. **258/259** (2003.03) 427–9. [\[DOI\]](#)
2nd Moscow Int. Symp. on Magnetism, MOSCOW, RU, 2001.06 20–24
227. H.Tetrycz, **R. KLIMKIEWICZ**, M.Łaniecki,
The Role of LEWIS Acidic Centers in Stabilized Zirconium Dioxide.
Appl. Catal. A **249**₂ (2003) 313–26. [\[DOI\]](#)
228. A.Tomkiewicz, **A. ZYGMUNT**, J.Mroziński,
Ferrimagnetic, Bimetallic Chain Systems: $[\text{Cu}(\text{tren})]\text{ReCl}_6$ and $[\text{Cu}(\text{tren})]\text{ReCl}_6 \cdot 2\text{CH}_3\text{OH}$, where $\text{tren} = \text{tris}(2\text{-Aminoethyl})\text{Amine}$.
J. Mol. Struct. **644**_{1–3} (2003) 97–103. [\[DOI\]](#)

229. O.Tougait, **J. STĘPIEŃ-DAMM**, V.Zaremba, H.Noël, **R. TROĆ**,
Synthesis, Crystal Structure and Magnetic Properties of $U_2Co_6Al_{19}$.
J. Solid State Chem. **174**₁ (2003) 152–8. [DOI]
- **V.H. Tran**, S.Paschen, A.Rabis, N.Senthilkumaran, M.Baenitz, F.Steglich, P.de V.Du Plessis, A.M.Strydom,
Magnetic, Thermodynamic, NMR, and Transport Properties of the Heavy-Fermion Semiconductor U_2Ru_2Sn .
Phys. Rev. B **67** (2003) 07 5111 (7). [DOI]
230. **V.H. TRAN**, **R. TROĆ**, G.André, F.Bourée, M.Baenitz,
Ferromagnetic Ordering in $UFe_{0.5}Ni_{0.5}Al$.
phys. stat. sol. (b) **236**₂ (2003) 356–9. [DOI]
10th Eur.Conf.on Physics of Magnetism, POZNAŃ, PL, 2002.07 01–05
231. **V.H. TRAN**, **R. TROĆ**, **A.CZOPNIK**, **Z. HENKIE**, **A.JEŻOWSKI**, **D. WŁOSEWICZ**, F.Steglich,
Thermodynamic and Transport Properties of the Heavy-Fermion Ferrimagnet UCu_5Sn .
Acta Phys. Pol. B **34**₂ (2003) 1133–6 [pt II].
Int.Conf.on Strongly Correlated Electron Systems (SCES 2002) CRACOW, PL, 2002.07 10–13
232. N.V.Tristan, T.Palewski, **H. DRULIS**, **L. FOLCIK**, S.A.Nikitin,
Hydrogenation Process of the Gd_3Ni Compound.
Mater. Sci. (Poland) **21**₃ (2003) 357–62.
233. **R. TROĆ**,
Magnetic Fluctuations in the Ordered State of the Ferromagnetic Superconductor UGe_2 .
Acta Phys. Pol. B **34**₂ (2003) 407–18 [pt I].
Int.Conf.on Strongly Correlated Electron Systems (SCES 2002) CRACOW, PL, 2002.07 10–13
234. **R. TROĆ**, A.M.Strydom, P.de V.du Plessis, **V.H. TRAN**, **A.CZOPNIK**, J.K.Cockroft,
Gap Closure in Semiconducting $APtSn$ Cubic Compounds ($A = U, Th, Zr$).
Phil. Mag. **83**₁₀ (2003) 1235–53. [DOI]
235. ZhongWu Wang, R.T.Downs, V.Pischedda, R.Shetty, S.K.Saxena, C.S.Zha, Y.S.Zhao, D.Schiferl,
A. WAŚKOWSKA,
High-Pressure X-ray Diffraction and RAMAN Spectroscopic Studies of the Tetragonal Spinel $CoFe_2O_4$.
Phys. Rev. B **68** (2003) 09 4101(6). [DOI]
236. **A. WAŚKOWSKA**, S.Dacko, Z.Czapla,
Structure and Properties of $[(CH_2OH)_3CNH_3]H_2AsO_4$.
Z. Naturforsch. (a) **58**₁₂ (2003) 722–6.
237. E.Wawrzyńska, J.Hernández-Velasco, B.Penc, W.Sikora, A.Szytuła, **A.ZYGMUNT**,
Magnetic Ordering of $R_3Cu_4Sn_4$ ($R = Tb, Dy, Ho$ and Er).
J. Phys. Cond. Matt. **15**₃₀ (2003) 5279–96. [DOI]
238. E.Wawrzyńska, J.Hernández-Velasco, B.Penc, A.Szytuła, **A.ZYGMUNT**,
Magnetic Structures of $R_3Cu_4Ge_4$ ($R = Tb, Dy, Ho, Er$).
J. Magn. Magn. Mater. **264**_{2/3} (2003) 192–201. [DOI]
239. E.Wawrzyńska, B.Penc, J.Hernández-Velasco, A.Szytuła, **A.ZYGMUNT**,
Neutron Diffraction Studies of the Magnetic Structure of $Ho_3Pd_4Ge_4$.
J. Alloy. Compd. **350**_{1/2} (2003) 68–71. [DOI]
240. A.Wojakowska, A.Górniak, A.Yu.Kuznetsov, **A. WOJAKOWSKI**, J.Josiak,
Phase Diagram of the System Copper(I) Iodide + Caesium Iodide.
J. Chem. Eng. Data **48**₃ (2003) 468–71. [DOI]
17th IUPAC Conf.on Chemical Thermodynamics, ROSTOCK, DE, 2002.07 28 –08 02

241. A.Wojciechowska, Z.Staszak, W.Bronowska, **A.PIETRASZKO**, M.Cieślak-Golonka,
**Crystal Structure and 4.2 K Electronic Spectrum of $[\text{Co}(\text{bpy})_3](\text{CrO}_4)_{0.5}\text{NO}_3 \cdot 7\text{H}_2\text{O}$,
a Double Salt Containing Uncoordinated Chromate Ion.**
J. Mol. Struct. **654**₁₋₃ (2003) 197-204. [\[DOI\]](#)
242. M.Wojtaś, G.Bator, **J. BARAN**,
**Vibrational Study of the Structural Phase Transitions in $[(\text{CH}_3)_2\text{NH}_2]\text{Bi}_2\text{Cl}_9$
and $[(\text{CH}_3)_2\text{NH}_2]_3\text{As}_2\text{Cl}_9$ Crystals.**
Vibr. Spectr. **33**_{1/2} (2003) 143-52. [\[DOI\]](#)
243. M.Wojtaś, G.Bator, R.Jakubas, J.Zaleski, B.Kosturek, **J. BARAN**,
Crystal Structure, Phase Transitions and Ferroelastic Properties of $[(\text{CH}_3)_2\text{NH}_2]_3[\text{Bi}_2\text{Cl}_9]$.
J. Solid State Chem. **173**₂ (2003) 425-34. [\[DOI\]](#)
244. **M. WOŁCYRZ**, **R. HORYŃ**, F.Bourée, **E. BUKOWSKA**,
Structural Defects in LaMnO_3 Phase Studied by Neutron Diffraction.
J. Alloy. Compd. **353**_{1/2} (2003) 170-4. [\[DOI\]](#)
245. **P. WRÓBEL**, R.Eder,
Excitons in the Upper HUBBARD Band.
phys. stat. sol. (b) **236**₂ (2003) 347-50. [\[DOI\]](#)
10th Eur.Conf.on Physics of Magnetism, POZNAŃ, PL, 2002.07 01-05
246. **P. WRÓBEL**, R.Eder, P.Fulde,
Pairing-Induced Kinetic Energy Lowering in Doped Antiferromagnets.
J. Phys. Cond. Matt. **15**₃₈ (2003) 6599-16. [\[DOI\]](#)
247. **P. WRÓBEL**, R.Eder, R.Micnas,
Pairing and Pseudogap in Doped Antiferromagnets.
Acta Phys. Pol. B **34**₂ (2003) 519-22 [pt I].
Int.Conf.on Strongly Correlated Electron Systems (SCES 2002) CRACOW, PL, 2002.07 10-13
248. **P. WRÓBEL**, R.Eder, R.Micnas,
**Kinetic Energy Driven Superconductivity and the Pseudogap Phase in Weakly Doped
Antiferromagnets.**
J. Phys. Cond. Matt. **15**₁₇ (2003) 2755-70. [\[DOI\]](#)
249. D.Xue, H. RATAJCZAK,
Predicting Optical Properties of Potassium Hydrogen bis-Trichloroacetate Crystal.
Bull. Pol. Ac. Chem. **51**₂ (2003) 71-5.
250. D.Xue, H. RATAJCZAK,
Ab initio Study of Urea Crystal.
Bull. Pol. Ac. Chem. **51**_{3/4} (2003) 143-53.
251. D.F.Xue, H. RATAJCZAK,
**Constituent Chemical Bonds and Nonlinear Optical Coefficients of $\text{Na}_2\text{SeO}_4 \cdot \text{H}_2\text{SeO}_3 \cdot \text{H}_2\text{O}$
Molecular Crystal.**
Chem. Phys. Lett. **371**_{5/6} (2003) 601-7. [\[DOI\]](#)
252. **T.A.ZALESKI**, **T.K. KOPEĆ**,
SO(5) Superconductor in a ZEEMAN Magnetic Field.
Physica C **387**_{1/2} (2003) 93-6. [\[DOI\]](#)
3rd Int.Worksh.on Magnetism & Superconductivity of Advanced Materials (PLUS-03) ŁAŻDEK Zdrój, PL, 2002.07 14-19

253. V.I.Zaremba, U.Ch.Rodewald, Ya.M.Kalychak, Ya.V.Galadzhun, **D. KACZOROWSKI**, R.D.Hoffmann, R.Pöttgen,
Ternary Indides $RE_4Pd_{10}In_{21}$ ($RE = La, Ce, Pr, Nd, Sm$) – Synthesis, Structure, and Physical Properties.
Z. anorg. allg. Chem. **629**₃ (2003) 434–42. [DOI]
254. **M. ZAWADZKI, D. HRENIAK, J. WRZYSZCZ, W. MIŚTA, H. GRABOWSKA, O.L.Malta, W. STRĘK,**
Photoluminescence and Cathodoluminescence of Tb-Doped Al_2O_3 – ZrO_2 Nanostructures Obtained by Sol–Gel Method.
Chem. Phys. **291**₃ (2003) 275–85. [DOI]
255. R.G.Zhbankov, S.P.Firsov, D.D.Grinshpan, **J. BARAN, M.K. MARCHEWKA, H. RATAJCZAK,**
Vibrational Spectra and Non-covalent Interactions of Carbohydrates Molecules.
J. Mol. Struct. **645**₁ (2003) 9–16. [DOI]
256. R.G.Zhbankov, S.P.Firsov, T.E.Kolosova, L.K.Prihodchenko, D.D.Grinshpan, **J. BARAN, M.K. MARCHEWKA, H. RATAJCZAK,**
FOURIER-Transform RAMAN Spectroscopy of Biological Molecules: Weak Intermolecular Interactions.
J. Mol. Struct. **656**_{1–3} (2003) 275–86. [DOI]
257. E.Zych, J.Trojan-Piegza, **D. HRENIAK, T.Lis, W. STRĘK, W.Mielcarek,**
Spectroscopy and Structure of Eu-Doped Nanostructured Lu_2O_3 .
Radiat. Eff. Def. Solids **158**_{1–6} (2003) 319–24. [DOI]
9th Eur.Conf.on Defects in Insulating Materials, WROCLAW, PL, 2002.07 01–05
258. E.Zych, J.Trojan-Piegza, **D. HRENIAK, W. STRĘK,**
Properties of Tb-Doped Vacuum-Sintered Lu_2O_3 Storage Phosphor.
J. Appl. Phys. **94**₃ (2003) 1318–24. [DOI]

PUBLIKACJE W MATERIAŁACH KONFERENCYJNYCH
 PUBLICATIONS IN CONFERENCE MATERIALS

259. D.Biały, A.Derkacz, M.Wawrzyńska, M.Kwaśny, **A. BEDNARKIEWICZ, W. STRĘK,**
***In vitro* Photodynamic Diagnosis of Coronary Artery Atherosclerosis.**
 In: *Proc. 5th International Congress on Coronary Artery Disease*, (Firenze: Monduzzi Editore S.p.A. – MEDIMOND, 2003) pp. 115–19.
5th Int.Congr.on Coronary Artery Disease, FLORENCE, IT, 2003.10 19–22
260. **E. BOROŃSKI, S.Siljamäki,**
Monte Carlo Calculation of Positron Annihilation Parameters in Electron Gas.
 In: *Proc. 34th Seminar on Positron Annihilation* ed. by K. Jerie (Wrocław i Opole: Instytut Fizyki [Doświadczalnej] Uniwersytetu 2003) pp. 7–15.
34th Polish Semin.on Positron Annihilation, TURAWA, PL, 2002.06 16–21
261. B.Fellmuth, D.Berger, L.Wolber, M.de Groot, D.Head, Y.Hermier, Y.Z.Mao, T.Nakano, F.Pavese, V.Shkraba, A.G.Steele, P.P.M.Steur, **A. SZMYRKA-GRZEBYK, W.L.Tew, L.Wang, D.R.White,**
An International Star Intercomparison of Low-Temperature Fixed Points Using Sealed Triple-Point Cells.
 In: *Temperature, Its Measurement and Control in Science and Industry, Vol. 7*, ed. by D.C. Ripple [AIP Conf.Proc. **684**] (Melville, NY: Amer.Inst.Phys. 2003) Part II, pp. 885–90.
8th Int. Temperature Symp., CHICAGO, IL, US, 2002.10 21–24

262. P.Fotowicz, **A. SZMYRKA-GRZEBYK, L. LIPIŃSKI**,
Obliczanie niepewności przy wzorcowaniu termometru oporowego w punkcie potrójnym wodoru.
 [Uncertainty Calculation at Calibration of a Resistance Thermometer at the Triple Point of Hydrogen.]
 In: *Podstawowe Problemy Metrologii (PPM'03) Ustroń 2003*, ed. by D.Gonszcz & A.Skórkowski
 (Katowice: Komisja Metrologii PAN 2003) pp. 467–74 [in Polish].
Krajowa Konf.nt. „Podstawowe problemy metrologii” [Polish Conf.on Fundamental Problems of Metrology]
 USTROŃ, PL, 2003.05 12–14
263. Y.Hermier, L.Pitre, C.Geneville, A.Vergé, G.Bonnier, D.Head, B.Fellmuth, L.Wolber,
A. SZMYRKA-GRZEBYK, L. LIPIŃSKI, M.de Groot, A.Peruzzi,
A New Generation of Multicells for Cryogenic Fixed Points at BNM/INM.
 In: *Temperature, Its Measurement and Control in Science and Industry, Vol. 7*, ed. by D.C. Ripple
 [AIP Conf.Proc. **684**] (Melville, NY: Amer.Inst.Phys. 2003) Part I, pp. 179–84.
8th Int. Temperature Symp., CHICAGO, IL, US, 2002.10 21–24
264. M.J.Korczyński, A.Hetman, **A. SZMYRKA-GRZEBYK**, P.Fotowicz,
Evaluation of Accuracy of Standard Platinum Resistance Thermometer at National Laboratory Level.
 In: *Proc. 2nd International Seminar and Workshop on Low Temperature Thermometry*, ed. by
 A. SZMYRKA-GRZEBYK & A. KOWAL (Wrocław: Institute of Low Temperature & Structure Research
 2003) pp. 127–33.
2nd Int.Semin.& Worksh.on Low Temperature Thermometry, WROCŁAW, PL, 2003.10 06–08
265. **A. KOWAL, L. LIPIŃSKI, A. SZMYRKA-GRZEBYK, H. MANUSZKIEWICZ**,
System pomiarowy do realizacji Międzynarodowej Skali Temperatury z 1990 r. [Measurement Set-up
 for Realization of 1990 International Temperature Scale.]
 In: *Metrologia Wspomagana Komputerowo (MWK 2003)* (Warszawa: Instytut Podstaw Elektroniki
 2003) vol. II, pp. 253–58 [in Polish].
6th Sch.-Conf.on Computer-Aided Metrology, WAPLEWO, PL, 2003.05 26–29
266. J.Krasoń, **J.M. JABŁOŃSKI, W. MIŚTA**, A.Miecznikowski,
Sorption Studies of CO₂ and N₂ by Clinoptilolite-Rich Zeolite.
 In: *3er. Congreso Mexicano de Zeolitas Naturales*, ed. by ? (Azcapotzalco: Univers. Autonoma
 Metropolitana, 2003) pp. 35–39.
3rd Mexican Congr.on Natural Zeolites, ZACATECAS, Zac, MX, 2003.11 09–12
267. **L. LIPIŃSKI, A. KOWAL, A. SZMYRKA-GRZEBYK, H. MANUSZKIEWICZ**, P.P.M.Steur, I.Peroni,
 F.Sparasci, D.Ferri,
Accurate Heat Capacity Measurements of Oxygen at the α - β Transition.
 In: *Proc. 2nd International Seminar and Workshop on Low Temperature Thermometry*, ed. by
 A. SZMYRKA-GRZEBYK & A. KOWAL (Wrocław: Institute of Low Temperature & Structure Research
 2003) pp. 119–26.
2nd Int.Semin.& Worksh.on Low Temperature Thermometry, WROCŁAW, PL, 2003.10 06–08
268. **L. LIPIŃSKI, A. SZMYRKA-GRZEBYK**,
Punkty stałe temperatury w termometrii niskotemperaturowej. [Temperature Fixed Points
 in Low-Temperature Thermometry.]
 In: *Podstawowe Problemy Metrologii (PPM'03) Ustroń 2003*, ed. by D.Gonszcz & A.Skórkowski
 (Katowice: Komisja Metrologii PAN, 2003) pp. 129–40 [in Polish].
Krajowa Konf.nt. „Podstawowe problemy metrologii” [Polish Conf.on Fundamental Problems of Metrology]
 USTROŃ, PL, 2003.05 12–14
269. **H. MANUSZKIEWICZ**, B.Fellmuth, D.Head, Y.Hermier, **L. LIPIŃSKI**, F.Pavese, A.Peruzzi,
A. SZMYRKA-GRZEBYK, L.Zanin,
**Investigation of New Generation Multi-Compartment Triple-Point Cells and a Sealed Lambda
 Point Cell at INTiBS in the Framework of the European Project MULTICELLS.**
 In: *Proc.Semin. TEMPERATUR 2003 – Verfahren und Geräte in der Temperatur- und
 Feuchtmessetechnik* (VDI-Berichte Nr 1784) (Berlin: Beuth Vg 2003) pp. 43–48.
Int.Semin. TEMPERATUR 2003, BERLIN, DE, 2003.09 08–09

270. **H. MANUSZKIEWICZ, L. LIPÍŃSKI, A. SZMYRKA-GRZEBYK, A. KOWAL**, W.Roszkowski, R.Kuna, M.Tichy,
Bilateral Comparison of the Water Triple Point at GUM and INTiBS in Poland.
 In: *Proc. 2nd International Seminar and Workshop on Low Temperature Thermometry*, ed. by A. SZMYRKA-GRZEBYK & A. KOWAL (Wrocław: Institute of Low Temperature & Structure Research 2003) pp. 56–61.
2nd Int.Semin.& Worksh.on Low Temperature Thermometry, WROCLAW, PL, 2003.10 06–08
271. F.Pavese, B.Fellmuth, D.Head, Y.Hermier, A.Peruzzi, **A. SZMYRKA-GRZEBYK, L.Zanin**,
MULTICELLS: A European Project on Cryogenic Temperature Fixed Points in Sealed Cells.
 In: *Temperature, Its Measurement and Control in Science and Industry, Vol. 7*, ed. by D.C. Ripple [AIP Conf.Proc. **684**] (Melville, NY: Amer.Inst.Phys. 2003) Part I, pp. 161–66.
8th Int. Temperature Symp., CHICAGO, IL, US, 2002.10 21–24
272. F.Pavese, D.Ferri, I.Peroni, A.Pugliese, P.P.M.Steur, B.Fellmuth, D.Head, **L. LIPÍŃSKI, A.Peruzzi, A. SZMYRKA-GRZEBYK, L.Wolber**,
Cryogenic Temperature Sealed Fixed Points: a New-Generation of Modular Cells at IMGC.
 In: *Temperature, Its Measurement and Control in Science and Industry, Vol. 7*, ed. by D.C. Ripple [AIP Conf.Proc. **684**] (Melville, NY: Amer.Inst.Phys. 2003) Part I, pp. 173–78.
8th Int. Temperature Symp., CHICAGO, IL, US, 2002.10 21–24
273. P.Reng, M.B.Zapart, **J. HANUZA, M. MAĆZKA**,
Temperaturowe badania $KSc(WO_4)_2$ metodą EPR jonu Cr^{3+} . [Temperature Studies of $KSc(WO_4)_2$ by EPR of Gd^{3+} Ions.]
 In: *Nowe technologie i osiągnięcia w metalurgii i inżynierii materiałowej [New Technologies and Progress in Metallurgy and Materials Engineering]* (Częstochowa: Politechnika, 2003) pp. 520–53 [in Polish].
4th Conf.on New Technologies and Progress in Metallurgy and Materials Engineering, CZĘSTOCHOWA, PL, 2003.** **_**
274. **H. STACHOWIAK, E. BOROŃSKI**,
Influence of the Zero Motion of a Positron on Positron Lifetime in a Metal Lattice.
 In: *Proc. 34th Seminar on Positron Annihilation* ed. by K. Jerie (Wrocław i Opole: Instytut Fizyki [Doświadczalnej] Uniwersytetu 2003) pp. 75–83.
34th Polish Semin.on Positron Annihilation, TURAWA, PL, 2002.06 16–21
275. **A. SZMYRKA-GRZEBYK, L. LIPÍŃSKI, H. MANUSZKIEWICZ, A. KOWAL**,
The National Temperature Standard between 13.8033 K and 273.16 K at INTiBS PAN.
 In: *Proc. 2nd International Seminar and Workshop on Low Temperature Thermometry*, ed. by A. SZMYRKA-GRZEBYK & A. KOWAL (Wrocław: Institute of Low Temperature & Structure Research 2003) pp. 79–85.
2nd Int.Semin.& Worksh.on Low Temperature Thermometry, WROCLAW, PL, 2003.10 06–08
276. **J. SZNAJD**,
Introduction to the Modern Theory of Phase Transitions.
 In: *Patterns of Symmetry Breaking*, ed. by H. Arodz *et al.* (Dordrecht: Kluwer 2003) pp. 139–59.
NATO Adv.Study Inst. & COSLAB School, CRACOW, PL, 2002.09 15–29
277. H.Teterycz, **R. KLIMKIEWICZ**, M.Łaniecki, B.W.Licznarski,
Possibility to Modify Active Centres on Gas Sensitive Materials.
 In: *Proc. 26th International Spring Seminar on Electronics Technology*, ed. by A.Petřiková & J.Urbaničik (Košice: IEEE & Technol. University Košice 2003) pp. 375–78.
26th Int.Spring Semin.on Electronics Technology, STARÁ LESNÁ (High Tatras) SK, 2003.05 08–11
278. H.Teterycz, **R. KLIMKIEWICZ**, B.W.Licznarski,
The Behaviour of Gas Sensitive Materials in the Atmosphere with Oxygen Shortage.
 In: *Proc. 26th International Spring Seminar on Electronics Technology*, ed. by A.Petřiková & J.Urbaničik (Košice: IEEE & Technol. University Košice 2003) pp. 375–8.
26th Int.Spring Semin.on Electronics Technology, STARÁ LESNÁ (High Tatras) SK, 2003.05 08–11

279. H.Tetrycz, **R. KLIMKIEWICZ**, B.W.Licznanski, I.Kocemba,
The Influence of Admixtures on Reducibility of Gas Sensitive Materials.
In: *Proc. 26th International Spring Seminar on Electronics Technology*, ed. by
A.Petřiková & J.Urbaničik (Košice: IEEE & Technol. University Košice 2003) pp. 375–78.
26th Int.Spring Semin.on Electronics Technology, STARÁ LESNÁ (High Tatras) SK, 2003.05 08–11

LISTA PREZENTACJI KONFERENCYJNYCH
LIST OF CONFERENCE PRESENTATIONS

1. T.Aitasalo, **P. DEREŃ**, J.Hölsä, H.Junger, M.Lastusaari, J.Nittykoski, **W. STRĘK**,
Annihilation of the Persistent Luminescence of $MAI_2O_4:Eu^{2+}$ by Sm^{3+} Co-Doping. (L)
5th Eur.Conf.on Luminescent Detectors and Transformers of Ionizing Radiation (LumDeTr),
PRAGUE, CZ, 2003.09 01–05
2. T.K.Anh, T.T.Huong, N.T.Huong, C.Barthou, M.Dumont, **W. STRĘK**, L.Q.Minh,
Fabrication and Luminescence Characterization of Silica/Zirconia/(X)Alumina Doped with Erbium Ion Prepared by Sol–Gel Process. (L)
2nd Int.Conf.on Sol–Gel Materials, Research, Technology, Applications, SZKLARSKA PORĘBA, PL,
2003.06 15–20
3. E.Antic-Fidancev, **P.J. DEREŃ**, J-C.Krupa,
Energy Levels and Crystal Field Calculations of Er^{3+} in $LaAlO_3$. (P)
4th Int.Spr.Worksh.on Spectroscopy, Structure & Synthesis of Rare Earth Systems, LADEK-Zdrój, PL,
2003.06 21–25
4. L.M.Babkov, **J. BARAN**, N.A.Davydova, P.M.Elkin, J.I.Kukielski, K.E.Uspensky,
Quantum Chemical Investigation of 2-Biphenylmethanol Molecule. (P)
7th Int.Conf.on Molecular Spectroscopy, LADEK-Zdrój, PL, 2003.09 11–14
5. L.M.Babkov, **J. BARAN**, N.A.Davydova, S.V.Truchkachev,
The Effect of the Hydrogen Bond on the Molecule Conformation in 2-Biphenylmethanol. (P)
15th Int.Conf.on Horizons in Hydrogen Bond Research, BERLIN, DE, 2003.09 16–21
6. **J. BARAN**, **M. TRZEBIATOWSKA**, **H. RATAJCZAK**,
Polarized IR and RAMAN Spectra of Monoglycine Dihydrogenphosphate Single Crystal. (P)
15th Int.Conf.on Horizons in Hydrogen Bond Research, BERLIN, DE, 2003.09 16–21
7. G.Bednarek, **E. GALDECKA**, J.Kusz,
Wpływ metody analizy profili refleksów na parametry wyznaczonej struktury. [Influence of the
Method of Profile Analysis on the Parameters of the Resolved Structure.] (P)
XLV Konwers. Krystalograficzne [45th Polish Crystallographic Meet.] WROCLAW, PL, 2003.06 26–27
8. **A.BEDNARKIEWICZ**, **D. HRENIAK**,
Main Topics of Interests in the Area of Luminescence Materials. (C)
*NATO Adv.Study Inst.on Frontiers of Optical Spectroscopy: Investigating Extreme Physical Conditions
with Advanced Optical Techniques*, ERICE (Sicily) IT, 2003.05 16 –.06 01
9. **A.BEDNARKIEWICZ**, A.Mech, M.Karbowiak, **P.J. DEREŃ**, **W. STRĘK**,
Spectral Properties of Eu^{3+} - and Nd^{3+} -Doped Gadolinium Fluoride Powders. (P)
4th Int.Spr.Worksh.on Spectroscopy, Structure & Synthesis of Rare Earth Systems, LADEK-Zdrój, PL,
2003.06 21–25
10. **A.BEDNARKIEWICZ**, **W. STRĘK**,
Energy Transfer in Nd^{3+} and Yb^{3+} Doped Nanometric YAG Ceramics. (P)
*NATO Adv.Study Inst.on Frontiers of Optical Spectroscopy: Investigating Extreme Physical Conditions
with Advanced Optical Techniques*, ERICE (Sicily) IT, 2003.05 16 –.06 01
11. **A.BEDNARKIEWICZ**, **W. STRĘK**, **P.J. DEREŃ**,
**Energy Transfer and Luminescence Properties of Nd^{3+} - and Yb^{3+} -Codoped $KY(WO_4)_2$
Crystals.** (P)
4th Int.Spr.Worksh.on Spectroscopy, Structure & Synthesis of Rare Earth Systems, LADEK-Zdrój, PL,
2003.06 21–25

12. B.Belan, **J. STEPIEŃ-DAMM**, O.Bodak,
The Crystal Structure of the $\text{EuCu}_{0.76}\text{Si}_{1.24}$. (L)
IX Lwowskie Lekcje Chemiczne, Uniwersytet Lwowski, [9th L'viv Chemistry Lessons, Lviv Univ.]
 L'VOV, UA, 2003.05
13. T.Bezrodna, T.Gavrilko, I.Gnatyuk, V.Grygorjev, G.Puchkovska, **H. RATAJCZAK**,
Effect of Pore Surface Treatment and Liquid Crystal Capsulation on Dehydration Processes in MCM-41 Molecular Sieves. (C)
15th Int.Conf.on Horizons in Hydrogen Bond Research, BERLIN, DE, 2003.09 16–21
14. T.Bezrodna, G.Puchkovska, V.Shymanovska, **J. BARAN**, **H. RATAJCZAK**,
IR-Analysis of H-Bonded H_2O on the Pure TiO_2 Surface. (P)
15th Int.Conf.on Horizons in Hydrogen Bond Research, BERLIN, DE, 2003.09 16–21
15. T.Bezrodna, V.Melnyk, V.Shymanovska, V.Vorob'ev, **J. BARAN**, **H. RATAJCZAK**,
Low-Temperature Effects in Two-Component Systems Based on TiO_2 Cation-Modified Nanoparticles Loaded into Benzophenone. (P)
16th Int.Sch.-Semin.on Spectroscopy of Molecules and Crystals, SEVASTOPOL (Crimea) UA, 2003.05 25 –.06 01
16. T.Bezrodna, V.Shymanovska, V.Melnyk, **J. BARAN**, **H. RATAJCZAK**,
Phosphorescence and IR-Spectroscopic Analysis of Benzophenone Interaction with Fe- and Cu-Modified TiO_2 Surface. (P)
7th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2003.09 11–14
17. D.Biały, A.Derkacz, M.Wawrzyńska, M.Kwaśny, **A.BEDNARKIEWICZ**, **W. STRĘK**,
In vitro Photodynamic Diagnosis of Coronary Artery Atherosclerosis. (P)
5th Int.Congr.on Coronary Artery Disease, FLORENCE, IT, 2003.10 19–22
18. M.Biasini, G.Ferro, **A.CZOPNIK**,
The FERMI Surface Topology of the Heavy Fermions CeIn_3 and UGa_3 . (P)
16th Int.Conf.on Magnetism, ROME, IT, 2003.07 27 –.08 01
19. B.Bielak, T.Rzadki, J.Trawczyński, **W. MIŚTA**, **M. ZAWADZKI**,
Soot Oxidation on Perovskite Type Oxides. (C)
Dor.Semin.JUMELAGE CNRS–PAN: Materiały węglowe i katalizatory w ochronie środowiska [Semin.Ann.JUMELAGE CNRS–APS: Matériaux Carbonés et Catalytiques pour L'Environnement]
 ZAKOPANE, PL, 2003.09 25–30
20. W.Bronowska, **A.PIETRASZKO**,
High-Temperature Phenomena in RbD_2PO_4 Crystals. (P)
XLV Konwers. Krystalograficzne [45th Polish Crystallographic Meet.] WROCLAW, PL, 2003.06 26–27
21. **Z. BUKOWSKI**,
Otrzymywanie monokryształów potrójnych międzymetalicznych związków uranu i ceru.
 [Preparation of Single Crystals of Uranium and Cerium Ternary Intermetallic Compounds.] (P)
XLV Konwers. Krystalograficzne [45th Polish Crystallographic Meet.] WROCLAW, PL, 2003.06 26–27
22. **T. CICHOREK**, **Z. HENKIE**, J.Custers, P.Gegenwart, F.Steglich,
TLS KONDO Effect in Structurally Disordered ThAsSe . (P)
16th Int.Conf.on Magnetism, ROME, IT, 2003.07 27 –.08 01
23. H.Ciurla, J.Michalski, **J. HANUZA**, T.Talik, Z.Talik,
Molecular Structure, IR, RAMAN and Electron Absorption Spectra as Well as DFT Chemical Calculations of the Energy Levels for Alkylaminoacetylureas — New Cu(II) Complexing Ligands. (P)
7th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2003.09 11–14

24. Z.Czapla, S.Dacko, **A. WAŚKOWSKA**,
The Effect of Hydrogen Bonding on the Physical Properties of $[\text{NH}_3\text{C}(\text{CH}_2\text{OH})_3]^+ \text{H}_2\text{AsO}_4^-$ and $(\text{NC}_4\text{H}_4\text{NH}_2) \text{H}_3\text{PO}_4$. (P)
XLV Konwers. Krystalograficzne [45th Polish Crystallographic Meet.] WROCLAW, PL, 2003.06 26–27
25. M.Daszkiwicz, A.Wojciechowska, W.Bronowska, **A.PIETRASZKO**, Z.Staszak, M.Cieślak-Golonka,
Chromate Ion as a Determinant of Supramolecular Structure in Cu^{II} and Co^{II} Complexes. (P)
XLV Konwers. Krystalograficzne [45th Polish Crystallographic Meet.] WROCLAW, PL, 2003.06 26–27
26. N.A.Davydova, V.I.Lukashenko, **J. BARAN**, **M. DROZD**,
Relaxation Effects in 2-Biphenylmethanol Glass. (P)
7th Int.Conf.on Molecular Spectroscopy, LADEK-Zdrój, PL, 2003.09 11–14
27. **P. DEREŃ**,
Strong and Weak Up-Conversion Rate in $\text{LaCl}_3:\text{U}^{3+}$ Single Crystal. (L)
4th Int.Spr.Worksh.on Spectroscopy, Structure & Synthesis of Rare Earth Systems, LADEK-Zdrój, PL, 2003.06 21–25
28. **P. DEREŃ**,
Lasers and Medicine. (L)
The European Materials Research Society 2003 Fall Meet. WARSAW, PL, 2003.09 15–19
29. **P.J. DEREŃ**, S.Popieniuk, J.-C.Krupa,
Spectroscopic Properties of LaAlO_3 Doped with Ho^{3+} . (P)
4th Int.Spr.Worksh.on Spectroscopy, Structure & Synthesis of Rare Earth Systems, LADEK-Zdrój, PL, 2003.06 21–25
30. V.M.Dmitriev, N.N.Prentslau, L.F.Rybaltchenko, A.G.M.Jansen, **W. SUSKI**, P.Wyder,
Evidence for Superconductivity in the Ternary Rare Earth Magnetic Compounds with ThMn_{12} Type of Structure. (P)
7th Int.Conf.on Materials and Mechanisms of Superconductivity and High Temperature Superconductors, RIO DE JANEIRO, BR, 2003.05 25–30
31. V.M.Dmitriev, **J. STEPIEŃ-DAMM**, **W. SUSKI**, E.Talik, N.N.Prentslau,
Possible Coexistence of Antiferromagnetism, Spin-Glass, and Superconductivity in ScFe_4Al_8 and YFe_4Al_8 Single Crystals. (P)
16th Int.Conf.on Magnetism, ROME, IT, 2003.07 27 –.08 01
32. V.M.Dmitriev, **J. STEPIEŃ-DAMM**, **W. SUSKI**, E.Talik, N.N.Prentslau,
Possible Coexistence of Antiferromagnetism, Spin-Glass, and Superconductivity in ScFe_4Al_8 and YFe_4Al_8 Single Crystals. (P)
Int.Conf.on Magnetic and Superconducting Materials, MONASTIR, TN, 2003.09 01–04
33. M.Doerr, **P. WIŚNIEWSKI**, M.Rotter, M.Loewenhaupt, **Z. HENKIE**,
Magnetostriction of the Ferromagnetic Uranium Compounds U_3P_4 and U_3As_4 . (P)
Frühjahrstagung der Deutschen Physikalischen Gesellschaft, DRESDEN, DE, 2003.03 24–28
34. **G. DOMINIAK-DZIK**, **R. LISIECKI**, T.Łukasiewicz, **W. RYBA-ROMANOWSKI**,
Spectroscopic Properties of Praseodymium-Doped YVO_4 Crystal Grown by the CZOCHRALSKI Technique. (P)
4th Int.Spr.Worksh.on Spectroscopy, Structure & Synthesis of Rare Earth Systems, LADEK-Zdrój, PL, 2003.06 21–26
35. **G. DOMINIAK-DZIK**, **W. RYBA-ROMANOWSKI**, L.Kovács, E.Beregi,
Effect of Temperature on Luminescence and VUV to Visible Conversion in the $\text{YAl}_3(\text{BO}_3)_4:\text{Dy}^{3+}$ (YAB:Dy) Crystal. (P)
5th Eur.Conf.on Luminescent Detectors and Transformers of Ionizing Radiation (LumDeTr), PRAGUE, CZ, 2003.09 01–05

36. **G. DOMINIĄK-DZIK, W. RYBA-ROMANOWSKI, M.N.Palatnikov, N.V.Sidorov,**
Dysprosium-Doped LiNbO₃ Crystal. Optical Properties and Effect of Temperature on Fluorescence Dynamics. (P)
7th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2003.09 11–14
37. **M. DROZD, J. BARAN,**
The Guanidinium Ion Structure – Theoretical *ab initio* Calculation by GAMESS Program. (P)
7th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2003.09 11–14
38. **M. DROZD, J. BARAN, A.PIETRASZKO,**
New Molecular Complex: Guanidine with Selenic Acid. Crystal Structure, DSC and IR Study. (P)
7th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2003.09 11–14
39. **M. DROZD, J. BARAN, A.PIETRASZKO, J.van der Maas,**
New Molecular Complexes: Guanidine with Sulphuric Acis and Guanidine with Selenic Acid. Crystal Structure, and Monocrystalline Vibrational Investigations by IR Microscope Using Polarized Light. (P)
7th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2003.09 11–14
40. **M. DROZD, M. MARCHEWKA,**
The Melamine and Mono-Protonated Melamine – Theoretical *ab initio* Calculation by GAMESS Program. (P)
7th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2003.09 11–14
41. Z.Drzazga, J.Habdas, **D. KACZOROWSKI, A.Winiarska,**
Magnetic Properties of Some Meso-Tolyl- and Meso-Pirydul-Porphyrins and Their Metal Derivatives. (P)
16th Int.Conf.on Magnetism, ROME, IT, 2003.07 27 –.08 01
42. P.Fotowicz, **A.SZMYRKA-GRZEBYK, L. LIPIŃSKI,**
Obliczanie niepewności przy wzorcowaniu termometru oporowego w punkcie potrójnym wodoru.
 [Uncertainty Calculation at Calibration of a Resistance Thermometer at the Triple Point of Hydrogen.] (P)
[Kraj.Konf.nt.] Podstawowe Problemy Metrologii [Natl.Conf.on Fundamental Problems of Metrology] USTROŃ, PL, 2003.05 12–14
43. P.T.C.Freire, W.Paraguassu, A.G.Souza Filho, F.E.A.Melo, J.Mendes Filho, **M. MĄCZKA, J. HANUZA, Y.Morioka,**
Pressure-Induced Reversible Amorphization in Sc₂(MoO₄)₃ Molybdate. (L)
Joint 19th AIRAPT & 41st EHPRG Int.Conf.on High Pressure Science and Technology, BORDEAUX, FR, 2003.07 07–11
44. **A.GĄGOR, A.PIETRASZKO, P.Kurek,**
X-ray Single Crystal Study of BiMeVO_x (Me = Ni, Mg, Zn) – Fast Oxide Ion Conductors. (P)
XLV Konwers. Krystalograficzne [45th Polish Crystallographic Meet.] WROCLAW, PL, 2003.06 26–27
45. V.E.Gaishun, D.L.Kovalenko, **W. STRĘK,**
Sol–Gel Preparation and Properties of Different Materials for Application in Microelectronics. (L)
2nd Int.Conf.on Sol–Gel Materials, Research, Technology, Applications, SZKLARSKA PORĘBA, PL, 2003.06 15–20
46. V.E.Gaishun, E.N.Poddenezhny, A.A.Boiko, V.V.Syt'ko, L.Y.Sudnik, **W. STRĘK,**
Sol–Gel Preparation and Spectral-Fluorescent Properties of Doped Erbium SBS Glasses for Optoelectronics. (P)
4th Int.Spr.Worksh.on Spectroscopy, Structure & Synthesis of Rare Earth Systems, ŁĄDEK-Zdrój, PL, 2003.06 21–25

47. V.E.Gaishun, Y.A.Potapenok, O.I.Tulenkova, S.V.Pakhovtchyshin, **W. STREK**,
Rheology of Silica Suspensions Stabilized by Ethylenediamine. (P)
2nd Int.Conf.on Sol-Gel Materials, Research, Technology, Applications, SZKLARSKA PORĘBA, PL,
 2003.06 15–20
48. **Z. GAJEK, R. LEMAŃSKI**,
**Influence of the Inter-Ion Interaction on the Phase Diagrams of the 1D FALICOV–KIMBALL
 System.** (P)
16th Int.Conf.on Magnetism, ROME, IT, 2003.07 27 –.08 01
49. **E. GAŁDECKA**,
**Co nowego w pomiarach parametrów sieci krystalicznej? [What's New in Crystal Lattice Parameter
 Measurements?]** (C)
XLV Konwers. Krystalograficzne [45th Polish Crystallographic Meet.] WROCLAW, PL, 2003.06 26–27
50. J.Garbarczyk, **A.PIETRASZKO**, D.Glaser,
Badanie zjawiska nukleacji formy β w izotaktycznym polipropylenie. [*] (L)
XLV Konwers. Krystalograficzne [45th Polish Crystallographic Meet.] WROCLAW, PL, 2003.06 26–27
51. T.Gavrilko, R.Fedorovich, G.Dovbeshko, A.Marchenko, A.Naumovets, V.Nechytaylo, G.Puchkovska,
 L.Viduta, **J. BARAN, H. RATAJCZAK**,
**FTIR Spectroscopic and STM Studies of Vacuum Deposited Aluminium (III)
 8-Hydroxyquinoline Thin Films.** (P)
7th Int.Conf.on Molecular Spectroscopy, LADEK-Zdrój, PL, 2003.09 11–14
52. T.Gavrilko, R.Fedorovich, A.Naumovets, V.Nechytaylo, G.Puchkovska, L.Viduta, Yu.Posudievskii,
J. BARAN, H. RATAJCZAK,
**Structure and Electroluminescent Properties of Planar Nanocomposites Built from Organics
 and Metal Island Film.** (P)
16th Int.Sch.-Semin.on Spectroscopy of Molecules and Crystals, SEVASTOPOL (Crimea) UA,
 2003.05 25 –.06 01
53. P.Gawryszewska, **E. GAŁDECKA**, J.Legendziewicz,
**Synthesis, Structure and Spectroscopy of 3d–4f Heteronuclear Complexes with $[\text{Ln}(\text{dipic})_3]^{3+}$
 Anion.** (P)
4th Int.Spr.Worksh.on Spectroscopy, Structure & Synthesis of Rare Earth Systems, LADEK-Zdrój, PL,
 2003.06 21–26
54. P.Gawryszewska, **E. GAŁDECKA**, J.Legendziewicz,
**Synthesis, Structure and Spectroscopy of 3d–4f Heteronuclear Complexes with $[\text{Ln}(\text{dipic})_3]^{3+}$
 Anion.** (P)
5th Int.Conf.on f-Elements (ICFE-5) GENÈVE, CH, 2003.08 24–29
55. M.Glice, A.Leś, **A.PIETRASZKO**, M.J.Nowak, K.Bajdor,
**Vibrational Spectroscopy and Crystallographic Studies of 2,2-Dimethylglutarimid – from Single
 Molecule to Crystal.** (P)
7th Int.Conf.on Molecular Spectroscopy, LADEK-Zdrój, PL, 2003.09 11–14
56. Yu.Gnatyuk, S.Makarenko, G.Puchkovska, E.Kotelnikova, S.Filatov, **J. BARAN, M. DROZD,**
H. RATAJCZAK,
Phase Transitions and Rotary Phases in Long Chain Aliphatic Compounds. (L)
7th Int.Conf.on Molecular Spectroscopy, LADEK-Zdrój, PL, 2003.09 11–14
57. P.Godlewska, H.Ban-Oganowska, **L. MACALIK, J. HANUZA, W. OGANOWSKI**,
**Vibrational Spectra and Molecular Structure of Lanthanide(III) Complexes with
 3-Bromo-4-Methoxy-Pyridine N-Oxide: $\text{LnCl}_3(3\text{Br } 4\text{CH}_3\text{OC}_7\text{H}_7\text{NO})_3$.** (P)
4th Int.Spr.Worksh.on Spectroscopy, Structure & Synthesis of Rare Earth Systems, LADEK-Zdrój, PL,
 2003.06 21–25

58. P.Godlewska, H.Ban-Oganowska, **L. MACALIK, J. HANUZA, W. OGANOWSKI**, S.Roszak, P.Lipkowski,
Normal Coordinate Analysis and Chemical Quantum Calculations of the Vibrational Levels for Lanthanide(III) Complexes with 3-Bromo-4-Methoxy-Pyridine N-Oxide, $\text{LnCl}_3(\text{3Br}_4\text{CH}_3\text{OC}_7\text{H}_7\text{NO})_3$. (P)
7th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2003.09 11–14
59. **K. GOFRYK, D. KACZOROWSKI**,
Magnetic and Electrical Transport Properties of UPdSb and UPd₂Sb. (P)
33mes Journées des Actinides, PRAGUE, CZ, 2003.04 27–29
60. **K. GOFRYK**, A.Leithe-Jasper, **D. KACZOROWSKI**, Yu.Grin,
Magnetic and Electrical Properties of Rare-Earth-Based Heusler Phases REPdSb and REPd_2Sb . (P)
16th Int.Conf.on Magnetism, ROME, IT, 2003.07 27 –.08 01
61. A.Górniak, A.Wojakowska, **A.WOJAKOWSKI**,
Thermodynamic Activities in Molten Mixtures of Zinc Halides with Silver Halides. (P)
XLVI Zjazd PTChem. i SITPChem. [46th Congr.of Pol.Chem.Soc.& Assoc.Eng.& Techn.of Chem.Industry] LUBLIN, PL, 2003.09 15–18s
62. **H. GRABOWSKA, W. MIŚTA, M. ZAWADZKI, J. WRZYSZCZ**,
Katalityczne własności układu $\text{Fe}_2\text{O}_3/\text{ZnAl}_2\text{O}_4$ w reakcjach alkilacji wybranych hydroksyarenów metanolem. [Catalytic Properties of $\text{Fe}_2\text{O}_3/\text{ZnAl}_2\text{O}_4$ System in the Reactions of Selected Hydroxyarenes Alkylation with Methanol.] (P)
IV Kongr. Technologii Chemicznej [4th Congr.of Chemical Technology] ŁÓDŹ, PL, 2003.09 08–12
63. **H. GRABOWSKA**, H.Teterycz, **R. KLIMKIEWICZ**,
Zastosowanie tlenkowego katalizatora Zr–Mg–Y do metylacji fenolu. [Application of Zr–Mg–Y Oxide Catalyst for Phenol Methylation.] (P)
XLVI Zjazd PTChem. i SITPChem. [46th Congr.of Pol.Chem.Soc.& Assoc.Eng.& Techn.of Chem.Industry] LUBLIN, PL, 2003.09 15–18
64. A.Gubański, J.Ziaja, **W. MIŚTA**,
Thermally Stimulated Currents of Zn–Bi–O Thin Film Arresters. (P)
Int.Sci.& Pract.Conf.on Spectroscopy in Special Applications, KIEV, UA, 2003.06 18–21
65. E.Guziewicz, T.Durakiewicz, M.T.Butterfield, C.G.Olson, J.J.Joyce, A.J.Arko, J.L.Sarrao, **A.WOJAKOWSKI, T. CICHOREK**,
Electronic Structure of UAsSe and USb_2 Compounds: The 5f-Photoemission. (P)
Materials Research Society 2004 Fall Meet. (Symp.DD) BOSTON, MA, US, 2003.12 01–05
66. **J. HANUZA, M. MAĆZKA, W. SĄSIĄDEK, S. ROSZAK, A.A.KAMINSKI, E. HAUSSÜHL, J. HULLIGER, P. LIPKOWSKI**,
IR and Polarized RAMAN Spectra as well as DFT Chemical Quantum Calculations of the Vibrational Levels of bis(Guanidinium) Zirconium bis(Nitrilotriacetate) Hydrate, $[\text{C}(\text{NH}_2)_3]_2\{\text{Zr}[\text{N}(\text{CH}_2\text{COO})_3]_2\}(\text{H}_2\text{O})$ – New Laser RAMAN Converter. (P)
7th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2003.09 11–14
67. **R. HORYŃ, A.J. ZALESKI, E. BUKOWSKA, A. SIKORA**,
On Magnetic Properties of $\text{LaMnO}_{3\pm\delta}$ Phase within Its Domain. (P)
14th Int.Conf.on Solid Compounds of Transition Elements, LINZ, AT, 2003.07 06–11
68. A.Hreniak, **K. MARUSZEWSKI**, J.Rybka, A.Gamian,
Thin-Film Luminescent Biosensor Prepared by the Sol–Gel Method. (P)
2nd Int.Conf.on Sol–Gel Materials, Research, Technology, Applications, SZKLARSKA POREBA, PL, 2003.06 15–20

69. A.Hreniak, M.Nyk, **W. STRĘK**, **D. HRENIAK**, **K. MARUSZEWSKI**, J.Misiewicz,
Optical Properties of Europium(III)-Doped Nanocrystalline Films of TiO₂ . (P)
2nd Int.Conf.on Sol-Gel Materials, Research, Technology, Applications, SZKLARSKA POREBA, PL,
 2003.06 15–20
70. **D. HRENIAK**,
Influence of Grains Size on Luminescence Properties of Tb-Doped Nanostructured Materials Prepared by the Sol-Gel Method. (P)
12th Int.Worksh.on Sol-Gel Science and Technology, SYDNEY, NSW, AU, 2003.08 24–29
71. **D. HRENIAK**, **W. STRĘK**, G.Boulon, R.Pązik,
The Size-Effect and Phase Transitions-Effect on Luminescence Properties of BaTiO₃ : Eu Nanocrystallites Prepared by the Sol-Gel Method. (P)
NATO Adv.Study Inst.on Frontiers of Optical Spectroscopy: Investigating Extreme Physical Conditions with Advanced Optical Techniques, ERICE (Sicily) IT, 2003.05 16 –.06 01
72. **D. HRENIAK**, **W. STRĘK**, G.Boulon, R.Pązik,
The Annealing Temperature on Luminescence Properties of BaTiO₃ : Eu³⁺ Nanocrystalline Powder Prepared by the Sol-Gel Method. (P)
4th Int.Spr.Worksh.on Spectroscopy, Structure & Synthesis of Rare Earth Systems, LADEK-Zdrój, PL,
 2003.06 21–25
73. **D. HRENIAK**, **W. STRĘK**, R.Pązik, G.Boulon,
Luminescence Behavior [of] BaTiO₃ Nanocrystallites Doped with RE Ions Prepared by the Sol-Gel Method. (L)
The European Materials Research Society 2003 Fall Meet. WARSAW, PL, 2003.09 15–19
74. M.M.Ilczyzyn, M.Ilczyzyn, **J. BARAN**,
Determination of RAMAN Tensor from Amino-Acid Single Crystal RAMAN Spectra. (P)
7th Int.Conf.on Molecular Spectroscopy, LADEK-Zdrój, PL, 2003.09 11–14
75. **J.M. JABŁOŃSKI**, **J. OKAL**, **D. POTOCZNA-PETRU**, **L. KRAJCZYK**,
Wpływ temperatury redukcji na skład fazowy i dyspersję kobaltu w katalizatorach Co/SiO₂ .
 [Influence of Reduction Temperature on the Phase Composition and Dispersion of Cobalt in Co/SiO₂ Catalyst.] (P)
XXXV Og.-pol. Kolokwium Katalityczne [35th All.-Pol.Coll.on Catalysis] CRACOW, PL, 2003.04 02–04
76. **J. JANCZAK**,
Synthesis, Structural Investigation and Solid-State Properties of Iodine-Doped Zirconium Diphthalocyanine – [ZrPc₂]I₃·I₂ . (P)
XLV Konwers. Krystalograficzne [45th Polish Crystallographic Meet.] WROCLAW, PL, 2003.06 26–27
77. **J. JANCZAK**, Y.M.Idemori,
One-Dimensional Assembling of Diiodo[Phthalocyaninato(1-)] Chromate Molecules through Neutral I₂ Molecules. Alternating Ferro–Antiferromagnetic Interactions in the Metal–Radical System. (P)
XLV Konwers. Krystalograficzne [45th Polish Crystallographic Meet.] WROCLAW, PL, 2003.06 26–27
78. **J. JANCZAK**, **R. KUBIAK**,
Sandwich-Type Niobium(V) Diphthalocyaninato Complexes “Stapled” by Two Inter-Ligand C—C σ-Bonds. Synthesis and Structural Investigations of Two New Phthalocyaninato Complexes: [NbPc₂](IBr₂) and [NbPc₂](IBr₂)·I₂ . (P)
XLV Konwers. Krystalograficzne [45th Polish Crystallographic Meet.] WROCLAW, PL, 2003.06 26–27
79. **J. JANCZAK**, **R. KUBIAK**,
Catalytic Trimerization of 2- and 4-Cyanopyridine Isomers to Triazine Derivatives in Presence of Magnesium Phthalocyanine. (P)
7th Int.Conf.on Molecular Spectroscopy, LADEK-Zdrój, PL, 2003.09 11–14

80. V.Janovec, **P. TOMASZEWSKI**, L.Richterova, Z.Kluiber,
Inverse Database of Phase Transitions in Crystals with a Single Phase Transition. (P)
10th Eur.Meet.on Ferroelectricity, CAMBRIDGE, England, UK, 2003.08 03–08
81. **A.JEŻOWSKI**, B.A.Danilchenko, M.Boćkowski, I.Grzegory, S.Krukowski, T.Suski, T.Paszkwicz,
Thermal Conductivity of GaN Crystals in 4.2–300 K Range. (P)
32nd Int.Sch.on the Physics of Semiconducting Compounds, JASZOWIEC, PL, 2003.05 30 –.06 06
82. **A.JEŻOWSKI**, **P. STACHOWIAK**, **T. PLACKOWSKI**, T.Suski, S.Krukowski, M.Boćkowski, I.Grzegory,
B.Danilchenko, T.Paszkwicz,
Thermal Conductivity of GaN Crystals Grown by High Pressure Method. (P)
5th Int.Conf.on Nitride Semiconductors, NARA, JP, 2003.05 25–30
83. B.Jäger, S.Paluch, W.Wolf, P.Herzig, **O.J. ŻOGAŁ**, N.Shitsevalova, Y.Paderno,
**Characterization of the Electronic Properties of YB₄ and YB₆ Using ¹¹B NMR
and First-Principles Calculations.** (L)
14th Int.Conf.on Solid Compounds of Transition Elements, LINZ, AT, 2003.07 06–11
84. **D. KACZOROWSKI**,
Strong Electronic Correlations in Ytterbium Intermetallics. (I)
14th Int.Conf.on Solid Compounds of Transition Elements, LINZ, AT, 2003.07 06–11
85. **D. KACZOROWSKI**, O.Tougait, **A.CZOPNIK**, **CZ. MARUCHA**, H.Noël,
Non-FERMI Liquid Behavior in Ce₂Co₆Al₁₉. (P)
16th Int.Conf.on Magnetism, ROME, IT, 2003.07 27 –.08 01
86. E.Kalecińska, **J. KALECIŃSKI**,
**Radiation Decomposition of Tetrasulfophthalocyanine and Nickel Tetrasulfophthalocyanine
in Aqueous–Methanol Solutions.** (P)
23rd MILLER Conf.on Radiation Chemistry, BIAŁOWIEŻA, PL, 2003.09 06–12
87. **J. KALECIŃSKI**, E.Kalecińska,
Gamma Radiolysis of Some Phthalocyanines in Water–Dimethylformamide Solutions. (P)
23rd MILLER Conf.on Radiation Chemistry, BIAŁOWIEŻA, PL, 2003.09 06–12
88. M.Karbowiak, A.Mech, **W. STREK**, **L. KĘPIŃSKI**,
**Structural and Luminescent Properties of KGdF₄:Eu³⁺ Synthesized by Coprecipitation
Method.** (P)
4th Int.Spr.Worksh.on Spectroscopy, Structure & Synthesis of Rare Earth Systems, ŁĄDEK-Zdrój, PL,
2003.06 21–25
89. V.Kavečanský, P.Rogl, H.Noël, M.Mihalik, **K. WOCHOWSKI**, **R. TROĆ**,
X-ray Investigation of Th₃M₂M₃ Alloys. (P)
33mes Journées des Actinides, PRAGUE, CZ, 2003.04 27–29
90. **L. KĘPIŃSKI**,
Nanokrystalografia elektronowa. [Electron Nanocrystallography.] (L)
XLV Konwers. Krystalograficzne [45th Polish Crystallographic Meet.] WROCLAW, PL, 2003.06 26–27
91. L.Kirpichnikova, V.Shakhmatov, M.Połomska, B.Hilczler, **A.PIETRASZKO**,
**Ferroelastic Domain Structure and XRD Studies of [(NH₄)_{1-x}Rb_x]₃H(SO₄)₂ Mixed Crystals:
Phenomenological Description.** (?)
8th Int.Conf.of Superionic Materials, CAMBRIDGE, E, UK, 2003.07 **_**
92. **Z. KLETOWSKI**,
Thermoelectric Power of the RESn₃ Compounds (RE = La, Pr, Nd, and Gd). (P)
14th Int.Conf.on Solid Compounds of Transition Elements, LINZ, AT, 2003.07 06–11

93. **Z. KLETOWSKI, J. MUCHA, H. MISIOREK, Y. Onuki, B. Coqblin,**
KONDO Effect Behavior in Thermal Conductivity of PrSn₃. (P)
14th Int. Conf. on Solid Compounds of Transition Elements, LINZ, AT, 2003.07 06–11
94. **Z. KLETOWSKI, J. MUCHA, H. MISIOREK, Y. Onuki, B. Coqblin,**
Evidence of KONDO Effect in Thermal Conductivity of PrSn₃. (P)
16th Int. Conf. on Magnetism, ROME, IT, 2003.07 27 –.08 01
95. **B. Klimesz, G. DOMINIAK-DZIK, P. SOLARZ, M. Żelechower, W. RYBA-ROMANOWSKI,**
Pr³⁺ and Tm³⁺ Containing Transparent Glass Ceramics in the GeO₂–PbO–PbF₂–LnF₃
System. (P)
The European Materials Research Society 2003 Fall Meet. WARSAW, PL, 2003.09 15–19
96. **R. KLIMKIEWICZ, E. Beran, H. Tetrycz, P. Malinowski,**
Zastosowanie katalizatora heterogenicznego do ketonizacji frakcji poodpadowej kwasów
monokarboksylowych C4–C6. [Application of Heterogeneous Catalyst for Ketonization of Waste Fraction
of Monocarboxylic Acids C4–C6.] (P)
I Konf. nt. Zielonej Chemii, EkoChemTech'03, WROCLAW, PL, 2003.06 27–28
97. **R. KLIMKIEWICZ, E. Draj,**
Carbon in Zeolite from Halloysite – A New Example of Catalytic Activity. (P)
12th Int. Symp. on Intercalation Compounds, POZNAŃ, PL, 2003.06 01–05
98. **R. KLIMKIEWICZ, C. Dziubak, A. Biskupski,**
Pigment Zr–V–(Y)–O zastosowany jako katalizator przemian *n*-butanolu.
[Zr–V–(Y)–O Pigment Applied as Catalyst for *n*-Butanol Transformations.] (P)
IV Kongr. Technologii Chemicznej [4th Congr. of Chemical Technology] ŁÓDŹ, PL, 2003.09 08–12
99. **R. KLIMKIEWICZ, I. Morawski, L. Syper, A. Biskupski, H. Tetrycz,**
Nadmiarowy aldehyd izomasłowy potencjalnym surowcem do ketonizacji.
[Redundant Isobutyraldehyde – A Potential Material for Ketonization.] (C)
IV Kongr. Technologii Chemicznej [4th Congr. of Chemical Technology] ŁÓDŹ, PL, 2003.09 08–12
100. **R. KLIMKIEWICZ, H. Tetrycz, W. Tylus, P. J. Godowski,**
Zastosowanie XPS w badaniach katalizatorów cynowych.
[Application of XPS for Tin Catalysts Research.] (P)
XXXV Og.-pol. Kolokwium Katalityczne [35th All.-Pol. Coll. on Catalysis] CRACOW, PL, 2003.04 02–04
101. **G. KONTRYM-SZNAJD,**
Different Ways of Dealing with COMPTON Scattering and Positron Annihilation Data. (I)
15th Int. Summ. Sch. of Condensed Matter Physics, BIAŁOWIEŻA, PL, 2003.06 29 –.07 06
102. **T. K. KOPEĆ,**
Phase Fluctuations in Strongly Correlated Superconductors. (P)
Korrelationstage 2003 Worksh. at MPI CPfS DRESDEN, DE, 2003.02 24–28
103. **T. K. KOPEĆ,**
Effect of Phase Fluctuations in Local-Pair Superconductors. (P)
Semin. & Worksh. on Quantum Phase Transitions, at MPI CPfS DRESDEN, DE, 2003.07 10–12
104. **K. Korczak, A. PIETRASZKO, M. Gawryś, H. Beczkowicz, W. J. Szczepek, D. Samson-Łazińska,**
B. Zagrodzki,
Struktura krystaliczna polimorfów ‘alfa’ i ‘beta’ oraz właściwości związku
4-(metylopiperazyn-1-ylometylo)-*N*-[4-metylo-3-(4-pirydyn-
3-ylo)pirymidyn-2-yloamino] fenylo] benzamid. [Crystal Structure and Properties of α and β Polimorphs
of 4-(Metylopiperazyn-1-ylometylo)-*N*-[4-Metylo-3-(4-Pirydyn-3-ylo) Pirymidyn-2-
yloamino] Fenylo] Benzamide.] (P)
XLV Konwers. Krystalograficzne [45th Polish Crystallographic Meet.] WROCLAW, PL, 2003.06 26–27

105. M.J.Korczyński, A.Hetman, **A.SZMYRKA-GRZEBYK**, P.Fotowicz,
Evaluation of Accuracy of Standard Platinum Resistance Thermometer at National Laboratory Level. (P)
6th Int.Conf.on Advanced Mathematical and Computational Tools in Metrology (AMCTM 2003)
 TORINO, IT, 2003.09 08–11
106. M.J.Korczyński, A.Hetman, **A.SZMYRKA-GRZEBYK**, P.Fotowicz,
Evaluation of Accuracy of Standard Platinum Resistance Thermometer at National Laboratory Level. (C)
2nd Int.Semin.& Worksh.on Low Temperature Thermometry, WROCLAW, PL, 2003.10 06–08
107. R.Kornak, **K. MARUSZEWSKI**, **W. STREK**, A.A.Vogt, H.A.Kołodziej, K.Haimann,
Electric and Magnetic Properties of Sol–Gel Derived Silica-Coated Ferrofluid Powders. (P)
2nd Int.Conf.on Sol–Gel Materials, Research, Technology, Applications, SZKLARSKA POREBA, PL,
 2003.06 15–20
108. E.A.Korolenko, E.V.Korolik, S.P.Firsov, R.G.Zhbankov, A.I.Ivanov, **M.K. MARCHEWKA**,
H. RATAJCZAK,
Investigation of Features of the Structure of Human Serum Albumin in the Case of Liver Cirrhosis. (P)
7th Int.Conf.on Molecular Spectroscopy, LADEK-Zdrój, PL, 2003.09 11–14
109. **A.KOWAL**, **L. LIPIŃSKI**, **A.SZMYRKA-GRZEBYK**, **H. MANUSZKIEWICZ**,
System pomiarowy do realizacji Międzynarodowej Skali Temperatury z 1990 r.
 [Measurement Set-up for Realization of 1990 International Temperature Scale.] (C)
VI Szk.-Konf. „Metrologia Wspomagana Komputerowo” [6th Sch.-Conf.on Computer-Aided Metrology]
 WAPLEWO, PL, 2003.05 26–29
110. J.Krasoń, J.M.Jabłoński, **W. MIŚTA**, A.Miecznikowski,
Sorption of CO₂ by Clinoptilolite-Rich Zeolite. (C)
3er Congr.Mexic.de Zeolitas Naturales [3rd Mexican Congr.on Natural Zeolites] ZACATECAS, Zac, MX,
 2003.11 09–12
111. **R. KUBIAK**, **J. JANCZAK**,
Stereochemistry of Halogenidoderivatives of Metallophthalocyanines. (I)
IX Lwowskie Lekcje Chemiczne, Uniwersytet Lwowski [9th Lviv Chemistry Lessons, L’viv Univ.]
 L’VOV, UA, 2003.05 **_**
112. E.Kucharska, **J. HANUZA**, **M. MAĆZKA**, Z.Talik,
Vibrational Spectra, DFT Chemical Quantum Calculations and Conformation of the Azo- and Hydrazo-Bonds in Nitro- and Methylnitro-Derivatives of 2,2’-Hydrazo- and Azo-Pyridines . (P)
7th Int.Conf.on Molecular Spectroscopy, LADEK-Zdrój, PL, 2003.09 11–14
113. B.Kulicka, R.Jakubas, Z.Ciunik, **J. BARAN**,
Phase Transition in bis(4-Ethylpyridinium) Pentachloroantimonate(III). (P)
7th Int.Conf.on Molecular Spectroscopy, LADEK-Zdrój, PL, 2003.09 11–14
114. **L. LIPIŃSKI**, **A.KOWAL**, **A.SZMYRKA-GRZEBYK**, **H. MANUSZKIEWICZ**, P.P.M.Steur, I.Peroni,
 F.Sparasci, D.Ferri,
Accurate Heat Capacity Measurements of Oxygen at the $\alpha - \beta$ Transition. (C)
2nd Int.Semin.& Worksh.on Low Temperature Thermometry, WROCLAW, PL, 2003.10 06–08
115. **L. LIPIŃSKI**, **A.SZMYRKA-GRZEBYK**,
Punkty stałe temperatury w termometrii niskotemperaturowej. [Temperature Fixed Points
 in Low-Temperature Thermometry.] (P)
[Kraj.Konf.nt.] Podstawowe Problemy Metrologii [Natl.Conf.on Fundamental Problems of Metrology]
 USTROŃ, PL, 2003.05 12–14

116. **R. LISIECKI, G. DOMINIAK-DZIK, T. Łukasiewicz, W. RYBA-ROMANOWSKI,**
Conversion of Infrared Radiation into Red and Blue Emission in $\text{YVO}_4:\text{Yb, Tm}$. (P)
7th Int. Conf. on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2003.09 11–14
117. W. Łojkowski, A. Opalińska, T. Strachowski, R. Fedyk, D. Millers, L. Grigorieva, **D. HRENIAK, W. STRĘK,**
Microwave Driven Hydrothermal Synthesis of Nanocrystalline Powders and Their Optoelectronic Properties. (L)
Int. Worksh. on Processing and Characterization of Nanomaterials, WARSAW, PL, 2003.10 08–10
118. D.O. Louchev, E.A. Tereshina, S.A. Nikitin, A.G. Kuchin, I.S. Tereshina, **W. IWASIECZKO, H. DRULIS,**
Magnetic Properties of $\text{Ce}_2\text{Fe}_{17-x}\text{Mn}_x\text{H}_y$ Hydrides. (?)
14th Int. Conf. on Permanent Magnets, SUZDAL, RU, 2003.09 22–26
119. **K. ŁUKASZEWICZ, A. PIETRASZKO, R. KUBIAK, J. Krawczyk,**
Niejednoznaczność analizy rentgenograficznej kryształów z rozmytymi refleksami nadstruktury i nowe spojrzenie na strukturę krystaliczną z uporządkowaniem bliskiego zasięgu w skali nanodomenujowej. [Non-uniqueness of an X-ray Analysis of Crystals with Diffuse Superstructure Reflections and a New View on Crystal Structures with Nano-Domain Scale of Close-Range Order.] (L)
XLV Konwers. Krystalograficzne [45th Polish Crystallographic Meet.] WROCŁAW, PL, 2003.06 26–27
120. A. Łukowiak, **E. ŁUKOWIAK, M. Jasiorski, K. MARUSZEWSKI, W. STRĘK,**
Influence of γ Radiation on Neodymium Bisphthalocyanine. (P)
2nd Int. Conf. on Sol–Gel Materials, Research, Technology, Applications, SZKLARSKA PORĘBA, PL, 2003.06 15–20
121. **L. MACALIK, J. HANUZA, M. MAĆZKA, A. BEDNARKIEWICZ, D. HRENIAK, W. STRĘK,**
A. Majchrowski,
Near-Infrared Luminescence, Structure and Spectral Anomalies in $\text{K}_4\text{RE}_{0.01}\text{W}_{10.99}\text{O}_{35}$ Hexatungstate-Like Bronzes, where $\text{RE} = \text{Er}^{3+}$ and Eu^{3+} . (P)
4th Int. Spr. Worksh. on Spectroscopy, Structure & Synthesis of Rare Earth Systems, ŁĄDEK-Zdrój, PL, 2003.06 21–25
122. **L. MACALIK, M. MAĆZKA, J. HANUZA, A. BEDNARKIEWICZ, D. HRENIAK,** A. Majchrowski,
Structure and Properties of the KNbW_2O_9 Hexagonal Bronze Doped with Er^{3+} Ions as an Optically Active Probe. (P)
4th Int. Spr. Worksh. on Spectroscopy, Structure & Synthesis of Rare Earth Systems, ŁĄDEK-Zdrój, PL, 2003.06 21–25
123. A. Maciołek, **A. DRZEWIŃSKI, P. Bryk,**
Solvation Force for the Long-Ranged Wall–Fluid Potential. (P)
28th Conf. of the Middle European Cooperation in Statistical Physics, SAARBRÜCKEN, DE, 2003.03 20–22
124. T. Maksimova, **K. HERMANOWICZ, U. Happek, J. HANUZA, V. Hizhniakov,**
Electronic and Photon Processes in MnO_4 Nanoclusters in Ionic Crystals. (P)
4th Int. Spr. Worksh. on Spectroscopy, Structure & Synthesis of Rare Earth Systems, ŁĄDEK-Zdrój, PL, 2003.06 21–26
125. G.E. Malashkevich, G.L. Semkova, P.P. Pershukovich, G.P. Shevchenko, Y.V. Bokshits, I.V. Prusowa, **W. STRĘK, G.A. Denisenko,**
Spectral-Luminescent Properties of Ag–Eu–Bi-Containing Alumina Films. (P)
4th Int. Spr. Worksh. on Spectroscopy, Structure & Synthesis of Rare Earth Systems, ŁĄDEK-Zdrój, PL, 2003.06 21–25
126. **H. MANUSZKIEWICZ, B. Fellmuth, D. Head, Y. Hermier, L. LIPIŃSKI, F. Pavese, A. Peruzzi, A. SZMYRKA-GRZEBYK, L. Zanin,**
Investigation of New-Generation Multicompartment Triple-Point Cells and a Sealed at INTiBS in the Framework of the European Project MULTICELLS. (L)
Seminar TEMPERATUR 2003 BERLIN, DE, 2003.09 08–09

127. **H. MANUSZKIEWICZ, L. LIPIŃSKI, A. SZMYRKA-GRZEBYK, A. KOWAL, W. ROSZKOWSKI, R. KUNA, M. TICHY,**
Bilateral Comparison of the Water Triple Point at GUM and INTiBS in Poland. (C)
2nd Int.Semin.& Worksh.on Low Temperature Thermometry, WROCLAW, PL, 2003.10 06–08
128. **K. MARUSZEWSKI,**
Sol-Gel Materials and Nanotechnology: Center of Excellence — an Overview. (L)
2nd Int.Conf.on Sol-Gel Materials, Research, Technology, Applications, SZKLARSKA PORĘBA, PL, 2003.06 15–20
129. **K. MARUSZEWSKI, W. STRĘK, I. ZARĘBA-GRODŹ, E. BUKOWSKA, K. HERMANOWICZ, W. MIŚTA,**
Synthesis of the Inorganic–Organic Hybrid Materials by the Sol–Gel Method. (P)
2nd Int.Conf.on Sol-Gel Materials, Research, Technology, Applications, SZKLARSKA PORĘBA, PL, 2003.06 15–20
130. **P. MAZUR, D. HRENIAK, R. PAŹIK, W. STRĘK, M. ŻĄBKOWSKA-WAĆLAWEK,**
Luminescence Investigations of Nanocrystalline Powders of $Y_3Al_5O_{12}:Tb^{3+}$ Prepared by the Sol–Gel Method. (P)
2nd Int.Conf.on Sol-Gel Materials, Research, Technology, Applications, SZKLARSKA PORĘBA, PL, 2003.06 15–20
131. **A. MECH, M. KARBOWIAK, L. KĘPIŃSKI, W. STRĘK,**
Structural and Luminescent Properties of $GdF_3:Eu^{3+}$ and $NaGdF_4:Eu^{3+}$ Synthesized by Wet-Chemistry Routes. (P)
4th Int.Spr.Worksh.on Spectroscopy, Structure & Synthesis of Rare Earth Systems, ŁĄDEK-ZDRÓJ, PL, 2003.06 21–25
132. **J. MICHAŁSKI, J. HANUZA, M. MAĆZKA, Z. TALIK,**
Vibrational Spectra, DFT Chemical Quantum Calculations and X-ray Diffraction Studies of the Azo- and Hydrazo-Bonds in 2-Phenylazo- and 2-Phenylhydrazo-Nitropyridines. (P)
7th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-ZDRÓJ, PL, 2003.09 11–14
133. **W. MIŚTA, H. GRABOWSKA, M. ZAWADZKI,**
Fizykochemiczne własności $Fe_2O_3 / ZnAl_2O_4$ – katalizatora przemian anizolu. [Physico-Chemical Properties of $Fe_2O_3 / ZnAl_2O_4$ Catalyst of Anisole Transformation.] (P)
XXXV Og.-pol. Kolokwium Katalityczne [35th All.-Pol.Coll.on Catalysis] CRACOW, PL, 2003.04 02–04
134. **W. MIŚTA, J. ZIAJA,**
Własności warystorowe amorficznych cienkich warstw Zn–Bi–O. [Varistor Properties of Amorphous Zn–Bi–O Thin Films.] (P)
III Kongr. Polskiego Towarzystwa Próżniowego [3rd Congr.of Polish Vacuum Society] POLANICA-ZDRÓJ, PL, 2003.09 12–14
135. **W. MIŚTA, J. ZIAJA, A. GUBAŃSKI,**
Varistor Performance of Nanocrystalline Zn–Bi–O Thin Films Prepared by Reactive RF Magnetron Sputtering at Room Temperature. (P)
[1st] Int.Worksh.on Surface Physics: Metals on Solid Surfaces, POLANICA-ZDRÓJ, PL, 2003.09 13–15
136. **W. MIŚTA, J. ZIAJA, A. GUBAŃSKI,**
Wpływ temperatury wygrzewania na mikrostrukturę cienkich warstw Zn–Bi–O. [Influence of Heat-Treatment on Microstructure of Zn–Bi–O Thin Films.] (P)
V Konf.Nauk.: Postępy w Elektrotechnologii [5th Natl.Conf.on Advances in Electrotechnology] JAMROZOWA POLANA, PL, 2003.09 09–10
137. **J.A. MORKOWSKI, A. SZAJEK, Z. BUKOWSKI, C. SUŁKOWSKI, R. TROĆ, G. CHEŁKOWSKA,**
Magnetic Susceptibility, Transport Properties, XPS and Electronic Structure of $UCoGa_5$. (C)
16th Int.Conf.on Magnetism, ROME, IT, 2003.07 27 –.08 01

138. **B. NOWAK, O.J. ŻOGAŁ,**
Deuterium Diffusion in Lanthanum Trideuteride phase: ^2D and ^{139}La NMR Study. (P)
14th Int.Conf.on Solid Compounds of Transition Elements, LINZ, AT, 2003.07 06–11
139. G.Nychyporuk, V.Zaremba, Ya.Kalychak, **J. STĘPIEŃ-DAMM,**
Synthesis and Crystal Structure of New Ternary Indides of the System La–Si–In. (L)
IX Lwowskie Lekcje Chemiczne, Uniwersytet Lwowski [9th L'vov Chemistry Lessons, L'vov Univ.]
 L'VOV, UA, 2003.05 **_**
140. M.Nyk, **D. HRENIAK, W. STRĘK,** E.Zych, J.Misiewicz,
Photo- and Cathodoluminescence Properties of $\text{Lu}_2\text{O}_3 : \text{Tb}^{3+}$ -Doped Nanocrystalline Films of TiO_2 on Si Substrates. (P)
2nd Int.Conf.on Sol–Gel Materials, Research, Technology, Applications, SZKLARSKA PORĘBA, PL,
 2003.06 15–20
141. M.Nyk, **J. JABŁOŃSKI, W. STRĘK,** J.Misiewicz,
Yellow Emission of GaN Nanocrystals in a Silica Xerogel Matrix. (P)
2nd Int.Conf.on Sol–Gel Materials, Research, Technology, Applications, SZKLARSKA PORĘBA, PL,
 2003.06 15–20
142. G.Oczko, **L. MACALIK,** J.Legendziewicz, **J. HANUZA,**
Comparison of Spectroscopic Behavior of the Lanthanide Halides LnX ($X = \text{Cl}, \text{Br}$) Single Crystals. (P)
4th Int.Spr.Worksh.on Spectroscopy, Structure & Synthesis of Rare Earth Systems, LADEK-Zdrój, PL,
 2003.06 21–26
143. **S. PALUCH, O.J. ŻOGAŁ,** P.Peshev,
Low Electron Density of States at the Boron Site of TMB_2 ($\text{TM} = \text{Ti}, \text{Zr}, \text{Hf}$ and Nb): A ^{11}B NMR Study. (P)
14th Int.Conf.on Solid Compounds of Transition Elements, LINZ, AT, 2003.07 06–11
144. **A.PIETRASZKO, R. CZOPNIK,** R.Jakubas,
Incommensurate Modulated Structure of $[4 - \text{NH}_2\text{C}_5\text{H}_4\text{NH}][\text{SbCl}_4]$. (P)
XLV Konwers. Krystalograficzne [45th Polish Crystallographic Meet.] WROCŁAW, PL, 2003.06 26–27
145. **A.PIETRASZKO,** B.Hilczler, C.Caranoni,
The Space Group Symmetry of psn , pst and psnt Ferroelectric Relaxors in the Superparaelectric Phase. (I)
NATO Adv.Res.Worksh.on the Disordered Ferroelectrics, KIEV, UA, 2003.05 29 –.06 02
146. **A.P. PIKUL, Z. BUKOWSKI, J. STĘPIEŃ-DAMM, D. KACZOROWSKI,**
Single Crystal Study on a Novel KONDO Compound $\text{Ce}_6\text{Pt}_{11}\text{In}_{14}$. (C)
16th Int.Conf.on Magnetism, ROME, IT, 2003.07 27 –.08 01
147. **H. RATAJCZAK,** A.Yaremko,
Vibrational Spectroscopy of Hydrogen-Bonded Solids. Theory and Experiment. (I)
16th Int.Sch.-Semin.on Spectroscopy of Molecules and Crystals,
 SEVASTOPOL (Crimea) UA, 2003.05 25 –.06 01
148. K.Rećko, K.Szymański, L.Dobrzynski, D.Satuła, B.C.Hauback, **W. SUSKI,** B.Yu.Kotur,
Crystallochemical and Magnetic Behavior of $\text{Sc}(\text{FeAl}_{12})$ Samples by Powder Diffraction and MÖSSBAUER Techniques. (P)
Summ.Sch.on New Magnetism, BĘDLEWO (Poznań) PL, 2003.09 15–19
149. P.Reng, M.B.Zapart, **J. HANUZA, M. MAĆZKA,**
Temperaturowe badania $\text{KSc}(\text{WO}_4)_2$ metodą EPR jonu Cr^{3+} . [Temperature Studies of $\text{KSc}(\text{WO}_4)_2$ by EPR of Gd^{3+} Ions.] (P)
IV Międzynar.Sesja Nauk. „Nowe technologie i osiągnięcia w metalurgii i inżynierii materiałowej [4th Int.Conf.on New Technologies and Progress in Metallurgy and Materials Engineering]
 CZĘSTOCHOWA, PL, 2003.** **_**

150. P.Reng, M.B.Zapart, **J. HANUZA**, **M. MAĆZKA**,
Phase Transition in $\text{KSc}(\text{WO}_4)_2$. (P)
20th Int.Conf.on Radio- and Microwave Spectroscopy (RAMIS'03) POZNAŃ, PL, 2003.04 24–26
151. **A.RUBASZEK**,
Long-Ranged Electron–Positron Momentum Density for Valence sp-Type Electrons in Gold? (L)
13th Int.Conf.on Positron Annihilation, KYOTO, JP, 2003.09 07–12
152. **W. RYBA-ROMANOWSKI**, **G. DOMINIAK-DZIK**, **P. SOLARZ**, B.Klimesz, M.Żelechower,
Effect of Thermal Treatment on Luminescence and VUV-to-Visible Conversion in Oxyfluoride Glass Singly Doped with Praseodymium and Thulium. (P)
10th Int.Conf.on the Physics of Non-Crystalline Solids, PARMA, IT, 2003.07 13–17
153. **W. RYBA-ROMANOWSKI**, **P. SOLARZ**, **G. DOMINIAK-DZIK**, **R. LISIECKI**, T.Łukasiewicz,
Relaxation of Excited States and Up-Conversion Phenomena in Rare Earth Doped YVO_4 Crystals Grown by the CZOCHRALSKI Method. (I)
12th Int. Laser Physics Worksh., HAMBURG, DE, 2003.08 25–29
154. **M. SAMSEL-CZEKAŁA**,
Electron–Electron Correlations and Electronic Structure of Y Seen by Positrons and Compton Scattering. (I)
15th Int.Summ.Sch.of Condensed Matter Physics, BIAŁOWIEŻA, PL, 2003.06 29 –.07 06
155. G.D.Saraiva, A.G.Souza Filho, P.T.C.Freire, F.E.A.Melo, J.Mendes Filho, **M. MAĆZKA**, **L. MACALIK**, **J. HANUZA**,
Irreversible Symmetry Lowering in $\text{KSc}(\text{MoO}_4)_2$ Molybdate: A RAMAN High-Pressure Study. (P)
Joint 19th AIRAPT & 41st EHPRG Int.Conf.on High Pressure Science and Technology, BORDEAUX, FR, 2003.07 07–11
156. J.Schoenes, U.Barkow, M.Marutzky, H.Schröter, **R. TROĆ**, T.Komatsubara,
Optical Properties of UPtGe Single Crystals. (C)
33mes Journées des Actinides, PRAGUE, CZ, 2003.04 27–29
157. V.Shymanovska, G.Puchkovska, T.Bezrodna, **J. BARAN**, **H. RATAJCZAK**,
Surface State and Stoichiometry of Transition Metal Modified TiO_2 . (P)
15th Int.Conf.on Horizons in Hydrogen Bond Research, BERLIN, DE, 2003.09 16–21
158. V.Shymanovska, T.Bezrodna, I.Chashechnikova, **J. BARAN**, **H. RATAJCZAK**,
IR Investigation of Pyridine Interaction with Polydisperse TiO_2 Surface. (P)
7th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2003.09 11–14
159. E.Sikora, J.Trawczyński, J.Rakoczy, H.Teterycz, **R. KLIMKIEWICZ**,
Analiza porównawcza stabilizowanego dwutlenku cyrkonu z modyfikowanym dwutlenkiem cyny.
 [Comparative Analysis of Stabilized Zirconium Dioxide and Modified Tin Dioxide.] (P)
XXXV Og.-pol. Kolokwium Katalityczne [35th All.-Pol.Coll.on Catalysis] CRACOW, PL, 2003.04 02–04
160. A.Skoczylas, B.Borak, M.Jasiorski, **K. MARUSZEWSKI**, K.Haimann, **W. STRĘK**,
Sol–Gel Synthesis and Morphology of TiO_2 and $\text{SiO}_2\text{–TiO}_2$ Powders. (P)
2nd Int.Conf.on Sol–Gel Materials, Research, Technology, Applications, SZKLARSKA PORĘBA, PL, 2003.06 15–20
161. A.Skoczylas, M.Jasiorski, **K. MARUSZEWSKI**, K.Haimann, J.Hauza, **W. STRĘK**,
Surface Enhanced RAMAN Spectra of Trace-Level Amount Organic Dye Adsorbed on Ag Centers in Matrices Prepared by Sol–Gel Method. (P)
2nd Int.Conf.on Sol–Gel Materials, Research, Technology, Applications, SZKLARSKA PORĘBA, PL, 2003.06 15–20

162. M.Sobczyk, **R. LISIECKI**, **W. RYBA-ROMANOWSKI**, J.Drożdżyński,
Crystal-Field Analysis of Pr³⁺ and Tm³⁺ in YVO₄ Single Crystal. (P)
7th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2003.09 11–14
163. **P. SOLARZ**, **G. DOMINIĄK-DZIK**, **R. LISIECKI**, **W. RYBA-ROMANOWSKI**,
Conversion of VUV to UV and Visible in K₅Li₂LnF₁₀ Containing Rare Earth from Cerium Group (Ln = La³⁺, Ce³⁺, Pr³⁺, Nd³⁺). (P)
5th Eur.Conf.on Luminescent Detectors and Transformers of Ionizing Radiation (LumDeTr)
 PRAGUE, CZ, 2003.09 01–05
164. V.L.Solomonov, A.V.Rasuleva, **W. STRĘK**,
Pulsed Cathodoluminescence of Nanopowderd YAG:Eu, YAG:Ho and BaTiO₃:Eu. (P)
4th Int.Spr.Worksh.on Spectroscopy, Structure & Synthesis of Rare Earth Systems, ŁĄDEK-Zdrój, PL, 2003.06 21–25
165. **J. STĘPIEŃ-DAMM**, B.Belan, O.Bodak,
Ce₅Co₄Ge₁₃ — New Structure Type of a Rare-Earth Ternary Germanides. (P)
XLV Konwers. Krystalograficzne [45th Polish Crystallographic Meet.] WROCLAW, PL, 2003.06 26–27
166. **W. STRĘK**,
Gel Derived Nanocrystallites for Optoelectronic Applications. (L)
2nd Int.Conf.on Sol–Gel Materials, Research, Technology, Applications, SZKLARSKA POREBA, PL, 2003.06 15–20
167. **W. STRĘK**,
Optical Properties of RE³⁺-Doped Nanocrystallites Synthesized by Sol–Gel Methods. (L)
4th Int.Spr.Worksh.on Spectroscopy, Structure & Synthesis of Rare Earth Systems, ŁĄDEK-Zdrój, PL, 2003.06 21–25
168. **W. STRĘK**,
Optical Properties of Europium(III) Doped Nanocrystalline Films of TiO₂. (P)
12th Int.Worksh.on Sol–Gel Science and Technology, SYDNEY, NSW, AU, 2003.08 24–29
169. **W. STRĘK**, **D. HRENIĄK**, P.Mazur, W.Łojkowski, S.Gierlotka,
Synthesis and Optical Properties of Nanocrystalline Yttrium Aluminium Garnet with RE-Ions. (L)
The European Materials Research Society 2003 Fall Meet. WARSAW, PL, 2003.09 15–19
170. **W. STRĘK**, **D. HRENIĄK**, R.Pązik, M.Wacławek,
The Size-Effect on Luminescence Properties of BaTiO₃:Eu³⁺ Nanocrystallites Prepared by Sol–Gel Method. (L)
Int.Worksh.on Processing and Characterisation of Nanomaterials, WARSAW, PL, 2003.10 08–10
171. **W. STRĘK**, **K. MARUSZEWSKI**,
Zastosowanie technologii zol–żel do detekcji i utylizacji substancji szkodliwych.
 [Application of Sol–Gel Technology for Detection and Utilization of Harmful Substances.] (L)
I Kraj.Konf. Sozologii Stosowanej [1st Natl.Conf.on Applied Sozology] WARSAW, PL, 2003.05 28–29
172. **W. SUSKI**, B.Bielan, A.Gilewski, T.Mydlarz, **K. WOCHOWSKI**,
Magnetic Properties of the Alloys with Composition Close to Tb₂(Fe,Si)₁₇. (P)
Int.Conf.on Research in High Magnetic Fields, TOULOUSE, FR, 2003.07 20–23
173. **W. SUSKI**, **A.CZOPNIK**, **M. SOŁYGA**, **K. WOCHOWSKI**, G.Bednarczyk,
Magnetic, Electrical and Thermodynamic Properties of the UCu₅Al₇-Derivatives. (P)
33mes Journées des Actinides, PRAGUE, CZ, 2003.04 27–29
174. **W. SUSKI**, **A.CZOPNIK**, **M. SOŁYGA**, **K. WOCHOWSKI**, G.Bednarczyk, T.Mydlarz,
Magnetic, Electrical and Thermodynamic Properties of the UCu₅Al₇ Derivatives. (C)
14th Int.Conf.on Solid Compounds of Transition Elements, LINZ, AT, 2003.07 06–11

175. **M. SUSZYŃSKA, B. MACALIK, L. KRAJCZYK, R. Capelletti,**
Microstructure and Thermally Stimulated Depolarization Currents of SLS Glasses Partially Substituted by Copper. (C)
9th Int.Symp.on Physics of Materials, PRAGUE, CZ, 2003.09 01–04
176. **A.SZMYRKA-GRZEBYK, L. LIPIŃSKI, H. MANUSZKIEWICZ, A.KOWAL,**
The National Temperature Standard between 13.8033 K and 273.16 K at INTiBS PAN. (C)
2nd Int.Semin.& Worksh.on Low Temperature Thermometry, WROCLAW, PL, 2003.10 06–08
177. **J. SZNAJD,**
Antiferromagnetic Order Introduced by Weak Inter-chain Ferromagnetic Interactions. (P)
Int.Conf.on Theoretical Trends in Low-Dimensional Magnetism, FLORENCE, IT, 2003.07 23–25
178. **J.Tarasiewicz, R.Jakubas, J. BARAN, A.PIETRASZKO,**
Phase Transition in $(n\text{-C}_4\text{H}_9\text{NH}_3) \cdot 2\text{SbBr}_5$ Crystal. (P)
7th Int.Conf.on Molecular Spectroscopy, LADEK-Zdrój, PL, 2003.09 11–14
179. **M.B.Tchoula Tchokonté, P.de V.Du Plessis, D. KACZOROWSKI,**
Magnetic and Electrical Properties of $\text{Ce}_8\text{Pd}_{24}\text{M}_x$ Alloys ($M = \text{Al, Ga, Ge}$). (P)
16th Int.Conf.on Magnetism, ROME, IT, 2003.07 27 –.08 01
180. **I.S.Tereshina, G.S.Burkhanov, O.D.Chistyakov, N.B.Kol'chugina, S.A.Nikitin, H. DRULIS,**
Effect of Hydrogenation on Spin-Reorientation Phase Transition in $R_2\text{Fe}_{14}\text{BH}_x$ ($R = \text{Ho, Er}$) Compounds. (C)
8th Int.Conf.on Hydrogen Materials Science and Chemistry of Carbon Nanomaterials, SUDAK (Crimea) UA, 2003.09 14–20
181. **I.S.Tereshina, G.S.Burkhanov, O.D.Chistyakov, N.B.Kol'chugina, S.A.Nikitin, H. DRULIS,**
Magnetic Properties of $R_2\text{Fe}_{14}\text{BH}_x$ Hydrides. (P)
14th Int.Conf.on Permanent Magnets, SUZDAL, RU, 2003.09 22–26
182. **I.S.Tereshina, K.Skokov, L. FOLCIK, N.S.Nikitin, H. DRULIS,**
Specific Features in Thermal Expansion of $\text{YFe}_{11-x}\text{Co}_x\text{TiH}$ Single Crystals. (P)
8th Int.Conf.on Hydrogen Materials Science and Chemistry of Carbon Nanomaterials, SUDAK (Crimea) UA, 2003.09 14–20
183. **H.Teterycz, R. KLIMKIEWICZ, M.Łaniecki, B.W.Licznarski,**
Possibilities to Modify Active Centers on Gas Sensitive Materials. (P)
26th Int.Spr.Semin.on Electronics Technology, STARÁ LESNÁ (High Tatras) SK, 2003.05 08–11
184. **H.Teterycz, R. KLIMKIEWICZ, B.W.Licznarski,**
The Behavior of the Atmosphere with Oxygen Shortage. (?)
26th Int.Spr.Semin.on Electronics Technology, STARÁ LESNÁ (High Tatras) SK, 2003.05 08–11
185. **H.Teterycz, R. KLIMKIEWICZ, B.W.Licznarski, I.Kocemba,**
The Influence of Admixtures on Reducibility of Gas Sensitive Materials. (P)
26th Int.Spr.Semin.on Electronics Technology, STARÁ LESNÁ (High Tatras) SK, 2003.05 08–11
186. **P. TOMASZEWSKI, M. WOŁCYRZ, Z.Ciunik, D. WŁOSEWICZ, J. HANUZA,**
Struktura i przemiany fazowe salolu. [Structure and Phase Transitions in Phenole Salicylate (Salol).] (P)
XLV Konwers. Krystalograficzne [45th Polish Crystallographic Meet.] WROCLAW, PL, 2003.06 26–27
187. **O.Tougait, R. TROĆ, D. KACZOROWSKI, H.Noël,**
Crystallographic Studies and Magnetic Properties of the New Series of Compounds $R_2\text{Co}_6\text{Al}_{19}$, where R is a 4f- or 5f-Element. (P)
14th Int.Conf.on Solid Compounds of Transition Elements, LINZ, AT, 2003.07 06–11

188. O.Tougait, V.Zaremba, **J. STĘPIEŃ-DAMM**, **R. TROĆ**, H.Noël,
New Ternary Compounds in the U–Co–Al System at 900 °C. (C)
33mes Journées des Actinides, PRAGUE, CZ, 2003.04 27–29
189. **V.H. TRAN**,
Magnetic, Electronic Transport and Thermodynamic Properties of Ce₅CuSn₃. (P)
14th Int.Conf.on Solid Compounds of Transition Elements, LINZ, AT, 2003.07 06–11
190. **V.H. TRAN**, J.C.Griveau, **R. TROĆ**, J.Rebizant, F.Wastin,
Electron Transport Studies of UCu₅Al and U_{1-x}Th_xCu₅Al. (C)
33mes Journées des Actinides, PRAGUE, CZ, 2003.04 27–29
191. **V.H. TRAN**, J.Ch.Griveau, **R. TROĆ**, F.Wastin, G.Lander,
High-Pressure Electrical Resistivity of UCu₅Al. (P)
16th Int.Conf.on Magnetism, ROME, IT, 2003.07 27 –.08 01
192. **V.H. TRAN**, S.Paschen, **R. TROĆ**, M.Baenitz, F.Steglich,
HALL Effect in the Ferromagnet UGe₂. (P)
33mes Journées des Actinides, PRAGUE, CZ, 2003.04 27–29
193. **V.H. TRAN**, P.Rogl, G.André, F.Bourée,
Structure and Physical Behavior of β-UB₂C. (C)
33mes Journées des Actinides, PRAGUE, CZ, 2003.04 27–29
194. **V.H. TRAN**, P.Rogl, G.André, F.Bourée,
Structure and Itinerant Ferromagnetism of β-UB₂C. (P)
16th Int.Conf.on Magnetism, ROME, IT, 2003.07 27 –.08 01
195. J.Trawczyński, B.Bielak, **M. ZAWADZKI**,
Doped La–Co Perovskite Catalysts for Combustion Processes of Organics. (P)
XXXV Og.-pol. Kolokwium Katalityczne [35th All.-Pol.Coll.on Catalysis] CRACOW, PL, 2003.04 02–04
196. J.Trawczyński, B.Bielak, **M. ZAWADZKI**,
La–Co Perovskite Catalysts for Combustion Processes of Hydrocarbons and Oxygenates. (P)
The European Catalysis Forum ‘EuropaCat-VI’, INNSBRUCK, AT, 2003.08 31 –.09 04
197. J.Trawczyński, B.Bielak, **M. ZAWADZKI**,
Spalanie związków organicznych na katalizatorach perowskitowych. [Combustion of Organic Compounds on Perovskite Catalysts.] (C)
IV Kongr. Technologii Chemicznej [4th Congr.of Chemical Technology] ŁÓDŹ, PL, 2003.09 08–12
198. **R. TROĆ**,
f-Electron Dualism as a Reason of Superconductivity in Ferromagnetic UGe₂ and URhGe. (I)
8th Polish-Korean Semin.on Physical Properties of Magnetic Materials, SEUL, KR, 2003.12 04–09
199. **R. TROĆ**, **A.CZOPNIK**, **K. WOCHOWSKI**,
Phonon, Electronic and Magnetic Contribution to the Specific Heat of UGe₂. (P)
33mes Journées des Actinides, PRAGUE, CZ, 2003.04 27–29
200. **R. TROĆ**, H.Noël, O.Tougait, **K. WOCHOWSKI**,
Transport and Magnetic Studies of New Ternary Compounds of the U–Co–Al System. (P)
33mes Journées des Actinides, PRAGUE, CZ, 2003.04 27–29
201. **R. TROĆ**, R.Strydom,
Magnetoresistivity of Single-Crystal UPtGe. (P)
16th Int.Conf.on Magnetism (ICM '03) ROME, IT, 2003.07 27 –.08 01

202. **M. TRZEBIATOWSKA-GUSOWSKA, J. BARAN, A. PIETRASZKO, M. DROZD, A. GAĞOR,**
Crystal and Molecular Structure of (Sarcosine)₃·Cd(NO₃)₂ · 2H₂O. Hydrogen Bond Network Study. (P)
7th Int. Conf. on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2003.09 11–14
203. **D. WŁOSEWICZ, P. E. TOMASZEWSKI, M. MAĆZKA, J. HANUZA, S. Kojima, N. Nesterenko,**
Heat-Capacity and Micro-BRILLOUIN Spectra of KSc(MoO₄)₂ Doped with Li. (P)
4th Int. Semin. on Ferroelastics Physics, VORONEZH, RU, 2003.09 15–18
204. **M. WOŁCYRZ,**
X-ray Powder Diffraction and Electron Microscopy – Complementary Methods for Crystal Structure Analysis. (L)
Int. Sch. of Electron Microscopy of Powdered Nanostructured Materials, WROCLAW, PL, 2003.09 19–20
205. **P. WRÓBEL,**
Pairing in Doped Antiferromagnets. (P)
Semin. & Worksh. on Quantum Phase Transitions, at MPI CPfS DRESDEN, DE, 2003.07 10–12
206. **D. Xue, H. RATAJCZAK,**
Structural Design for Nonlinear Optical Crystals by Employing Hydrogen Bonds. (L)
7th Int. Conf. on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2003.09 11–14
207. **A. M. Yaremko, H. RATAJCZAK, J. BARAN, A. J. Barnes, E. V. Mozdor, B. Silvi,**
Theory of Profiles of Hydrogen Bond Stretching Vibrations: FERMI–DAVYDOV Resonances in Hydrogen-Bonded Crystals. (L)
7th Int. Conf. on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2003.09 11–14
208. **A. M. Yaremko, H. RATAJCZAK, J. BARAN, E. V. Mozdor, B. Silvi,**
DAVYDOV Splitting and Many Phonon Effects in IR Spectra of Crystals with Strong H-Bonds. (P)
7th Int. Conf. on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2003.09 11–14
209. **A. Yaremko, H. RATAJCZAK, J. BARAN, E. Mozdor, B. Silvi,**
Effect of Strong Anharmonism on the Intensity and Polarization of Bands of the H-Bond Vibrations of Crystals. (P)
15th Int. Conf. on Horizons in Hydrogen Bond Research, BERLIN, DE, 2003.09 16–21
210. **T. Zajac, L. FOLCIK, A. Kołodziejczyk, H. DRULIS, K. Krop, G. Gritzner,**
Electron Spin Resonance in Iron-Substituted Manganites L_{0.67}Ca_{0.33}Mn_{1-x}Fe_xO₃. (P)
16th Int. Conf. on Magnetism (ICM '03) ROME, IT, 2003.07 27 –.08 01
211. **T. A. ZALESKI, T. K. KOPEĆ,**
SO(5) Superconductor in a Magnetic Field. (P)
Semin. & Worksh. on Quantum Phase Transitions, at MPI CPfS DRESDEN, DE, 2003.07 10–12
212. **M. B. Zapart, P. Reng, J. HANUZA, M. MAĆZKA,**
Ferroelastic Phase Transition in KSc(WO₄)₂ as Studied by EPR of Cr³⁺ and Gd³⁺ Ions. (P)
10th Eur. Meet. on Ferroelectricity, CAMBRIDGE, E, UK, 2003.08 03–08
213. **M. ZAWADZKI, L. KĘPIŃSKI,**
Synthesis and Characterization of Neodymium Oxide Nanoparticles. (P)
4th Int. Spr. Worksh. on Spectroscopy, Structure & Synthesis of Rare Earth Systems, ŁĄDEK-Zdrój, PL, 2003.06 21–26
214. **R. G. Zhabankov, D. K. Buslov, N. I. Sushko, N. A. Nikonenko, V. M. Andrianov, S. G. Kirillova, V. A. Bondar, V. V. Kazantsev, J. BARAN, M. MARCHEWKA, H. RATAJCZAK,**
Structural Physicochemistry of Polysaccharide Molecules. Vibration Spectra and Structure of Water Soluble Cellulose and Starch Ethers. (L)
7th Int. Conf. on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2003.09 11–14