

LISTA PUBLIKACJI 2005 LIST of PUBLICATIONS

KSIĄŻKI, MONOGRAFIE i ARTYKUŁY PRZEGLĄDOWE BOOKS, MONOGRAPHS & REVIEWS

1. **D. KACZOROWSKI, R. TROĆ,**
7. Binary non-equiatomic Actinide Pnictides and Chalcogenides.
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 2005) Pt 7, 349 pp.
2. D.Kincaid, W.Cheney,
Analiza numeryczna.
Transl. & ed. by S. PASZKOWSKI (Warszawa: Wydawnictwa Naukowo-Techniczne, 2005) 690 pp.
From: *Numerical Analysis: Mathematics of Scientific Computing, 3rd Ed.* (Monterey, CA: Brooks/Cole Publ. Co. 2002).
3. **W. MIŚTA**, H.Teterycz, **R. KLIMKIEWICZ**, N.Güngör, S.Işçi, E.Günister,
Sepiolite Supported – Zirconia Silver Catalyst for Soot Combustion.
In: *Raporty Wydz. Elektroniki Mikrosystemów i Fotoniki P. Wrocl. 2005* Ser. PRE; nr 5, 2 pp.
4. **R. TROĆ,**
6. Actinide mononictides.
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 III* (Berlin: Springer-Vg 2005) Pt 6, 491 pp.

ARTYKUŁY W CZASOPISMACH NAUKOWYCH ARTICLES IN SCIENTIFIC JOURNALS

5. K.Antonova, M.Petrov, S.Tonchev, **J. BARAN**, I.Dofov, Ph.Martinot-Lagarde,
Surface Zenithal Anchoring of Nematic on Holographic Gratings.
J. Mol. Struct. **744-7** (2005.06 03) 867–70. [\[DOI\]](#)
27th Eur.Conf.on Molecular Spectroscopy, CRACOW, PL, 2004.09 05–10
6. T.V.Antropova, **J. BARAN**, T.Gavrilko, I.Gnatyuk, **T. MORAWSKA-KOWAL**, V.Melnik,
G.Puchkovska, V.Vorobjev,
Interface Interactions and Optical Properties of Novel Photonic Nanocomposites Consisting of Porous Glasses Doped with Organic Luminophore Molecules.
Opt. Applic. **35**₄ (2005) 725–33.
7th Semin.on Porous Glasses & Special Glasses (PGL 2005) SZKLARSKA POREBA, PL, 2005.09 10–14
7. L.M.Babkov, **J. BARAN**, N.A.Davydova, **A. PIETRASZKO**, K.E.Uspenskiĭ,
Theoretical and Empirical Study of 2-Biphenylmethanol Molecule: the Structure and Intermolecular Interactions.
J. Mol. Struct. **744-7** (2005.06 03) 433–8. [\[DOI\]](#)
27th Eur.Conf.on Molecular Spectroscopy, CRACOW, PL, 2004.09 05–10

8. **J. BARAN**, N.A.Davydova, **A. PIETRASZKO**,
Spectroscopic Study of the Formation of Molecular Glasses.
J. Mol. Struct. **744-7** (2005.06 03) 301–5. [\[DOI\]](#)
 27th Eur.Conf.on Molecular Spectroscopy, CRACOW, PL, 2004.09 05–10
9. **J. BARAN**, H. RATAJCZAK,
Polarized IR and RAMAN Spectra of the Gamma-Glycine Single Crystal.
Spectrochim. Acta A **61**₇ (2005) 1611–26. [\[DOI\]](#)
10. S.Baran, Ł.Gondek, J.Hernández-Velasco, **D. KACZOROWSKI**, A.Szytuła,
Magnetic Ordering in HoFe_{0.33}Ge₂.
J. Magn. Magn. Mater. **285**_{1/2} (2005) 188–92. [\[DOI\]](#)
11. **A. BASZCZUK**, M.Jasierski, M.Nyk, **J. HANUZA**, **M. MAĆZKA**, **W. STRĘK**,
Luminescence Properties of Europium-Activated SrIn₂O₄.
J. Alloy. Compd. **394**_{1/2} (2005) 88–92. [\[DOI\]](#)
12. P.Becker, L.Bohatý, R.Fröhlich, H.J.Eichler, K.Ueda, K.Takaichi, **J. HANUZA**, **M. MAĆZKA**, H.Rhee,
 A.A.Kaminskiĭ,
Non-Centrosymmetric Molybdates CsLiMoO₄ and CsLiMoO₄ · $\frac{1}{3}$ H₂O: Crystal Growth, Polymorphism, Efficient STOKES and Anti-STOKES Generation and Cascaded Self-Frequency [$\chi_{SRS}^{(3)} \rightarrow \chi_{SFM}^{(2)}$] Conversion Effects.
phys. stat. sol. (a) **202**₁₃ (2005) 2543–64. [\[DOI\]](#)
13. **A. BEDNARKIEWICZ**, Z.Drulis-Kawa, R.Wiglusz, J.Legendziewicz, G.Bugła-Płoskońska,
 W.Doroszkiewicz, M.Haupt, **W. STRĘK**,
The Susceptibility of Bacteria to Photodynamic Inactivation with Lanthanide Complexes of Chlorin e6.
Proc. SPIE **5863** (2005.08) 152–8. [\[DOI\]](#)
 European Conf.on Biomedical Optics, MUNICH, DE, 2005.06 13–16
14. **A. BEDNARKIEWICZ**, A. MECH, M.Karbowiak, **W. STRĘK**,
Spectral Properties of Eu³⁺-Doped NaGdF₄ Nanocrystals.
J. Lumin. **114**_{3/4} (2005) 247–54. [\[DOI\]](#)
15. **A. BEDNARKIEWICZ**, **W. STRĘK**,
Interstitial Single Fiber Multi-Decay-Probe for Light Dosimetry in Photodynamic Therapy: Modelling.
Proc. SPIE **5862** (2005.08) 220–6. [\[DOI\]](#)
 European Conf.on Biomedical Optics, MUNICH, DE, 2005.06 13–16
16. T.Bezrodna, I.Chashechnikova, L.Dolgov, G.Puchkovska, Y.Shaydyuk, N.Lebovka, V.Moraru,
J. BARAN, H. RATAJCZAK,
Effects of Montmorillonite Modification on Optical Properties of Heterogeneous Nematic Liquid Crystal – Clay Mineral Nanocomposites.
Liq. Cryst. **32**₈ (2005) 1005–12. [\[DOI\]](#)
17. M.Biasini, J.Rusz, G.Ferro, **A. CZOPNIK[†]**,
f-Electron Behavior in Rare Earth Based Systems: Localization or Itinerancy?
Acta Phys. Pol. A **107**₄ (2005.04) 554–61.
 XXXV Semin. Anihilacji Pozytronów [35th Pol.Semin.on Positron Annihilation] TURAWA, PL, 2004.09 20–24
18. T.Bodziony, S.M.Kaczmarek, **J. HANUZA**,
EPR and Optical Properties of LiNbO₃ : Yb, Pr Single Crystal.
Proc. SPIE **5958** (2005.SEP) 64–73. [\[DOI\]](#)
 1st Int.Congr.on Optics and Optoelectronics, WARSAW, PL, 2004.08 28 –.09 20

19. T. Bodziony, S.M. Kaczmarek, **W. RYBA-ROMANOWSKI**, M. Berkowski,
EPR and Optical Properties of $\text{La}_3\text{Ga}_{5.5}\text{Ta}_{0.5}\text{O}_{14} : \text{Yb}^{3+}$ and Ho^{3+} Single Crystals.
Proc. SPIE **5958** (2005.SEP) 552–60. [DOI]
1st Int. Congr. on Optics and Optoelectronics, WARSAW, PL, 2004.08 28 –.09 20
20. В.Н. Богомолов, Д.А. Курдиуков, Л.С. Парфеньева, И.А. Смирнов, **Н. MISIOREK**,
A. JEŻOWSKI,
Теплопроводность нанокompозита опал + эпоксидная смола при низких температурах.
 [Low-Temperature Thermal Conductivity of the Opal–Epoxy Resin Nanocomposite.]
Физ. Твёрд. Тела **47**₄ (2005) 742–4 [in Russian]. Engl. in: *Phys. Solid State* **47**₄ (2005) 769–71. [DOI]
21. L. Bohatý, P. Becker, H.J. Eichler, **J. HANUZA**, **M. MAĆZKA**, K. Takaichi, K. Ueda, A.A. Kaminskiĭ,
Efficient Stimulated RAMAN Scattering and Cascaded Nonlinear $\chi^{(3)} \rightarrow \chi^{(2)} \rightarrow \chi^{(3)}$ Lasing Effects in Non-centrosymmetric $\text{Li}_2\text{SO}_4 \cdot \text{H}_2\text{O}$ Single Crystals.
Laser Phys. **15**₁₁ (2005) 1509–22.
22. **E. BOROŃSKI**,
Investigation of Electron–Positron Correlations by Monte-Carlo Simulation.
Acta Phys. Pol. A **107**₄ (2005) 576–85.
 XXXV Semin. Anihilacji Pozytronów [35th Pol.Semin.on Positron Annihilation] TURAWA, PL, 2004.09 20–24
23. **E. BOROŃSKI**, **H. STACHOWIAK**,
Electron–Positron Interaction in Light Elements Represented by Atoms Embedded in an Electron Gas.
Physica B **366**_{1–4} (2005) 168–84. [DOI]
24. **E. BUKOWSKA**, **Z. BUKOWSKI**, **T. PLACKOWSKI**, **A.J. ZALESKI**,
Growth and Thermogravimetric Study of $\text{Pb}_2\text{Sr}_2\text{R}_{1-x}\text{Ca}_x\text{Cu}_3\text{O}_{8+\delta}$ ($R = \text{Y, Tb}$) Single Crystals.
J. Cryst. Growth **273**_{3/4} (2005) 504–9. [DOI]
25. **Z. BUKOWSKI**, **K. GOFRYK**, **D. KACZOROWSKI**,
Magnetic and Transport Properties of YbRhIn_5 and YbIrIn_5 Single Crystals.
Solid State Commun. **134**₇ (2005) 475–8. [DOI]
26. **Z. BUKOWSKI**, **K. GOFRYK**, **T. PLACKOWSKI**, **D. KACZOROWSKI**,
Electrical Transport in $\text{UNi}_{0.5}\text{Sb}_2$ Single Crystals.
J. Alloy. Compd. **400**_{1/2} (2005) 33–6. [DOI]
27. **Z. BUKOWSKI**, **R. TROĆ**, **J. STEPIEŃ-DAMM**, **C. SUŁKOWSKI**, **V.H. TRAN**,
Single-Crystalline Study of the Ferromagnetic KONDO Compound $\text{UCu}_{0.9}\text{Sb}_2$.
J. Alloy. Compd. **403**_{1/2} (2005) 65–70. [DOI]
28. Г.С. Бурханов, И.С. Терешина, О.Д. Чистяков, Е.А. Терешина, **Н. DRULIS**,
Влияние гидрирования на магнитные фазовые переходы монокристаллов $\text{Er}_2\text{Fe}_{14}\text{B}$. [Effect of Hydrogenation on Magnetic Phase Transitions in the $\text{Er}_2\text{Fe}_{14}\text{B}$ Single Crystal.]
Доклады РАН **403**_{1–3} (2005) 183–6 [in Russian]. Engl. in: *Dokl.-Phys.* **50**₇ (2005) 346–8. [DOI]
29. I. Chashechnikova, L. Dolgov, T. Gavrilko, G. Puchkovska, Ye. Shaydyuk, N. Lebovka, V. Moraru,
J. BARAN, **H. RATAJCZAK**,
Optical Properties of Heterogeneous Nanosystems Based on Montmorillonite Clay Mineral and 5CB Nematic Liquid Crystal.
J. Mol. Struct. **744-7** (2005.06 03) 563–71. [DOI]
 27th Eur. Conf. on Molecular Spectroscopy, CRACOW, PL, 2004.09 05–10
30. **T. CIŃHOREK**, A. Sanchez, P. Gegenwart, F. Weickert, **A. WOJAKOWSKI**, **Z. HENKIE**,
 G. Auffermann, S. Paschen, R. Knier, F. Steglich,
Two-Channel KONDO Effect in Glass-Like ThAsSe .
Phys. Rev. Lett. **94** (2005) 23 6603 (4). [DOI]

31. A.Ćwik, K.Nenkov, T.Palewski, G.S.Burkhanov, O.D.Chistyakov, **J. KLAMUT**, H.Mädge,
Specific Heat of the $\text{Sc}_x\text{Ho}_{1-x}\text{Ni}_2$ Solid Solutions.
J. Magn. Magn. Mater. **290/291** (2005) 651–3 [pt I]. [\[DOI\]](#)
2nd Joint Eur. Magnetic Symposia (JEMS 2004) DRESDEN, DE, 2004.09 05–10
32. J.Ćwik, T.Palewski, K. NENKOV, G.S.Burkhanov,
Magnetic, Electrical and Thermodynamic Properties of the $\text{La}_x\text{Ho}_{1-x}\text{Ni}_2$ Solid Solutions.
J. Alloy. Compd. **399**_{1/2} (2005) 7–13. [\[DOI\]](#)
33. A.Ćwik, T.Palewski, K. NENKOV, G.S.Burkhanov, O.D.Chistyakov, N.Kolchugina, H.Mädge,
The Effect of Substitution of Lu for Ho on Some Physical Properties of $\text{Lu}_x\text{Ho}_{1-x}\text{Ni}_2$ Solid Solutions.
Physica B **358**_{1–4} (2005) 323–31. [\[DOI\]](#)
34. J.Ćwik, T.Palewski, K. NENKOV, G.S.Burkhanov, O.D.Chistyakov, J.Warchulska,
The Influence of Sc Substitution on Some Physical Properties of $\text{Sc}_x\text{Ho}_{1-x}\text{Ni}_2$ Solid Solutions.
phys. stat. sol. (b) **242**₁₀ (2005) 1969–77. [\[DOI\]](#)
35. Z.Czapla, S.Dacko, B.Kosturek, **A. WAŚKOWSKA**,
Dielectric and Optical Properties Related to Phase Transitions in the Imidazolium Perchlorate $[\text{C}_3\text{N}_2\text{H}_5\text{O}_4]$ Crystals.
phys. stat. sol. (b) **242**₁₄ (2005) R122–4. [\[DOI\]](#)
36. **A. CZOPNIK**[†], N.Shitsevalova, V.Pluzhnikov, A.Krivchikov, Y.Paderno, Y.Önuki,
Low-Temperature Thermal Properties of Yttrium and Lutetium Dodecaborides.
J. Phys. Cond. Matt. **17**₃₈ (2005) 5971–85. [\[DOI\]](#)
37. B.Dabrowski, S.Kolesnik, **A. BASZCZUK**, O.Chmaissem, T.Maxwell, J.Mais,
Structural, Transport and Magnetic Properties of RMnO_3 Perovskites ($R = \text{La, Pr, Nd, Sm, }^{153}\text{Eu, Gd}$).
J. Solid State Chem. **178**₃ (2005) 629–37. [\[DOI\]](#)
38. M.Daszkievicz, W.Bronowska, **A. PIETRASZKO**, Z.Staszak, M.Cieślak-Golonka,
Coordination Geometry of Chromium(VI) Species. The First Example of *cis*-Bridging Chromate Ions in Helically Structured *catena*($\mu\text{-CrO}_4\text{-O, O}'$)[Ni(HIm)₃ H₂O].
J. Mol. Struct. **754**_{1–3} (2005) 124–32. [\[DOI\]](#)
39. A.T.Davidson, A.G.Kozakiewicz, T.E.Derry, J.D.Comins, **M. SUSZYŃSKA**, L.Valberg, P.D.Townsend,
Spectral Analysis of TL Emission from Pure and Eu-Doped NaCl Crystals.
phys. stat. sol. (c) **2**₁ (2005) 444–8. [\[DOI\]](#)
15th Int.Conf.on Defects in Insulating Materials, RIGA, LV, 2004.07 11–16
40. S.Debrus, **M.K. MARCHEWKA**, **J. BARAN**, **M. DROZD**, **R. CZOPNIK**, **A. PIETRASZKO**,
H. RATAJCZAK,
L-Lysine-L-Tartaric Acid: New Molecular Complex with Nonlinear Optical Properties. Structure, Vibrational Spectra and Phase Transitions.
J. Solid State Chem. **178**₉ (2005) 2880–96. [\[DOI\]](#)
41. M.De Marco, D.Coffey, R.Heary, B.Dabrowski, P.W. KLAMUT, M.Maxwell, S.Toorongian, M.Haka,
⁹⁹Ru Mössbauer Effect Study of Off-Stoichiometric $\text{SrRu}_{1-v}\text{O}_3$ Synthesized with Different CURIE Temperatures.
Phys. Rev. B **71** (2005) 10 4403 (6). [\[DOI\]](#)
42. V.M.Dmitriev, L.F.Rybaltchenko, P.Wyder, A.G.M.Jansen, N.N.Prentslau, **W. SUSKI**,
Evidence for Superconductivity and a Pseudogap in the New Magnetic Compound PrAg_6In_6 .
Fiz. Nizk. Temp. **31**₁ (2005) 63–7. Also in: *Low Temp. Phys.* **31**₁ (2005) 47–51. [\[DOI\]](#)

43. **G. DOMINIAK-DZIK**,
Sm³⁺-Doped LiNbO₃ Crystal, Optical Properties and Emission Cross-Sections.
J. Alloy. Compd. **391**_{1/2} (2005) 26–32. [\[DOI\]](#)
44. **M. DROZD**,
The Theoretical Calculations of Vibrational Spectra of Guanidine Selenate and Guanidinium Sulphate. Determination of Direction of Transition Dipole Moments by Two Methods: Oriented Gas Model and Changes in Displacement Eigenvectors Computed by DFT Method.
J. Mol. Struct. **756**_{1–3} (2005) 173–84 [THEOCHEM]. [\[DOI\]](#)
45. **M. DROZD, J. BARAN**,
Polarized IR-Microscope Spectra of Guanidinium Hydrogenselenate Single Crystal.
Spectrochim. Acta A **61**_{13/14} (2005) 2953–65. [\[DOI\]](#)
46. **M. DROZD, J. BARAN, A. PIETRASZKO**,
Crystal Structure, Differential Scanning Calorimetry and Vibrational Low Temperature Investigation of C(NH₂)₃ · HSeO₄ .
Spectrochim. Acta A **61**_{11/12} (2005) 2775–87. [\[DOI\]](#)
47. **M. DROZD, J. BARAN, A. PIETRASZKO**,
**Diguanidinium Hydrogenarsenate Monohydrate and Its Deuterated Analogue –
– Vibrational, DSC and X-ray Investigations**
Spectrochim. Acta A **61**_{13/14} (2005) 2809–21. [\[DOI\]](#)
48. **M. DROZD, M.K. MARCHEWKA**,
The Structure, Vibrational Spectra and Nonlinear Optical Properties of Neutral Melamine and Singly, Doubly and Triply Protonated Melaminium Cations — Theoretical Studies.
J. Mol. Struct. **716**_{1–3} (2005) 175–92 [THEOCHEM]. [\[DOI\]](#)
49. **M.K. DRULIS, A. CZOPNIK[†], H. DRULIS, J.E.Spanier, A.Ganguly, M.W.Barsoum**,
On the Heat Capacity of Ti₃GeC₂ .
Mater. Sci. Eng. B **119**₂ (2005) 159–63. [\[DOI\]](#)
50. **Z.Drulis-Kawa, A. BEDNARKIEWICZ, G.Bugła-Płoskońska, W. STRĘK, Włodzimierz Doroszkiewicz**,
The Susceptibility of Anaerobic Bacteria Isolated from Periodontal Diseases to Photodynamic Inactivation with Fotolon (Chlorin e6).
Pol. J. Microbiol. **54**₄ (2005) 305–10.
51. **A. DRZEWIŃSKI, J.M.J.van Leeuwen**,
Field-Induced Orientation of Reptating Polymers.
J. Stat. Mech. (2005) P 02 004(20). On-line journal. [\[DOI\]](#)
52. **A. DRZEWIŃSKI, J. SZNAJD, K.Szota**,
Power Laws in ISING Strips: Density-Matrix Renormalization-Group Calculations.
Phys. Rev. B **72** (2005) 01 4441 (5). [\[DOI\]](#)
53. **B.Fellmuth, L.Wolber, Y.Hermier, F.Pavese, P.P.M.Steur, I.Peroni, A. SZMYRKA-GRZEBYK, L. LIPIŃSKI, W.L.Tew, T.Nakano, H.Sakurai, O.Tamura, D.Head, K.D.Hill, A.G.Steele**,
Isotopic and Other Influences on the Realization of the Triple-Point of Hydrogen.
Metrologia **42**₄ (2005) 171–93. [\[DOI\]](#)
54. **A.F.Fuentes, K.Boulahya, M. MAĆZKA, J. HANUZA, U.Amador**,
Synthesis of Disordered Pyrochlores, A₂Ti₂O₇ (A = Y, Gd and Dy) by Mechanical Milling of Constituent Oxides.
Solid State Sci. **7**₄ (2005) 343–53. [\[DOI\]](#)

55. **A. GAĞOR, A. PIETRASZKO, D. Kaynts,**
Diffusion Paths Formation for Cu⁺ Ions in Superionic Cu₆PS₅I Single Crystals Studied in Terms of Structural Phase Transition.
J. Solid State Chem. **178**₁₁ (2005) 3366–75. [DOI]
56. **Z. GAJEK,**
Enhanced Angular Overlap Model for Nonmetallic f-Electron Systems.
Phys. Rev. B **72** (2005) 04 5139 (14). [DOI]
57. L. Gerward, J.Z. Jiang, J. Staun Olsen, J.M. Recio, **A. WAŚKOWSKA,**
X-ray Diffraction at High Pressure and High or Low Temperature Using Synchrotron Radiation. Selected Applications in Studies of Spinel Structures.
J. Alloy. Compd. **401**_{1/2} (2005) 11–17. [DOI]
7th Int. Sch. & Symp. on Synchrotron Radiation in Natural Science and Int. Conf. on Exp. & Comput. Methods in High-Resolution Diffraction Application (HREDAMM) ZAKOPANE, PL, 2004.06 07–12
58. A. Gniewek, A.M. Trzeciak, J.J. Ziólkowski, **L. KĘPIŃSKI, J. WRZYSZCZ, W. Tyłus,**
Pd–PVP Colloid as Catalyst for HECK and Carbonylation Reactions: TEM and XPS Studies.
J. Catal. **229**₂ (2005) 332–43. [DOI]
59. P.J. Godowski, J. Onsgaard, **A. GAĞOR, M. Kondys, Z.S. Li,**
Investigation of the CO + NO Reaction over the Cu(001) Surface.
Chem. Phys. Lett. **406**_{4–6} (2005) 441–5. [DOI]
60. **K. GOFRYK, D. KACZOROWSKI, A. CZOPNIK[†],**
Magnetic and Transport Properties of UPd₂Sb.
Solid State Commun. **133**₁₀ (2005) 625–8. [DOI]
61. **K. GOFRYK, D. KACZOROWSKI, T. PLACKOWSKI, A. Leithe-Jasper, Y. Grin,**
Magnetic and Transport Properties of the Rare-Earth-Based HEUSLER Phases RPdZ and RPd₂Z (Z = Sb, Bi).
Phys. Rev. B **72** (2005) 09 4409 (7). [DOI]
62. L. Gondek, S. Baran, A. Szytuła, **D. KACZOROWSKI, J. Hernández-Velasco,**
Crystal and Magnetic Structures of RPdIn (R = Nd, Ho, Er) Compounds.
J. Magn. Magn. Mater. **285**_{1/2} (2005) 272–8. [DOI]
63. **H. GRABOWSKA, H. Teterycz, R. KLIMKIEWICZ,**
Application of Monophase Zr–Mg–Y Oxide System as Catalyst for the Gas Phase Phenol Methylation.
Res. Chem. Intermed. **31**₉ (2005) 797–806. [DOI]
64. **H. GRABOWSKA, M. ZAWADZKI, L. Syper, W. MIŚTA,**
Mg,Al-Mixed Oxide System: Synthesis under Hydrothermal Conditions, Physico–Chemical Characterization and Application as an Efficient Catalyst for Imidazole Methylation.
Appl. Catal. A **292** (2005.09 18) 208–14. [DOI]
65. T. Groń, A. Krajewski, J. Kusz, E. Malicka, I. Okońska-Kozłowska, **A. WAŚKOWSKA,**
Thermoelectric Power of CdCr_{2–x}Ga_xSe₄ p-Type Spinel Semiconductors.
Phys. Rev. B **71** (2005) 03 5208 (9). [DOI]
66. W. Gryk, D. Dyl, **W. RYBA-ROMANOWSKI, M. Grinberg,**
Spectral Properties of LiTaO₃:Pr³⁺ under High Hydrostatic Pressure.
J. Phys. Cond. Matt. **17**₃₅ (2005) 5381–95. [DOI]
67. **A. GRYKAŁOWSKA, B. NOWAK,**
High-Resolution Solid State ¹¹⁹Sn and ¹⁹⁵Pt NMR studies of MPtSn Semiconductors.
Solid State NMR **27**₄ (2005) 223–7. [DOI]

68. **A. GRYKAŁOWSKA, K. WOCHOWSKI, B. NOWAK,**
Semi-HEUSLER-Type Intermetallics $MPtSn$ ($M = Ti, Zr, Hf, Th$):
A Magnetic Susceptibility and NMR Study.
Intermetallics **13**₇ (2005) 756–63. [DOI]
69. A.Grytsiv, **D. KACZOROWSKI**, P.Rogl, **V.H. TRAN**, C.Godart, K.Gofryk, G.Giester,
A Novel Rare Earth Zinc Germanide $Yb_2Zn_3Ge_{3.1}$: Crystal Structure and Physical Properties.
J. Phys. Cond. Matt. **17**₂ (2005) 385–97. [DOI]
70. M.Grzegorzczuk, K. MARUSZEWSKI, M.Rybaczuk,
Modeling of Silica Sol–Gel Thin Films with Ballistic Aggregation.
Chaos Solit. Fract. **24**₄ (2005) 1053–8. [DOI]
71. L.D.Gulay, M.R.Huch, **M. WOŁCYRZ**, I.D.Olekseyuk,
Crystal Structure of New Selenosilicates $Pb_{1.75}M_{0.5}SiSe_4$ ($M = Cu$ and Ag).
J. Alloy. Compd. **402**_{1/2} (2005) 115–7. [DOI]
72. L.D.Gulay, **D. KACZOROWSKI, A. PIETRASZKO,**
Crystal Structure and Magnetic Properties of $Ce_3CuSnSe_7$.
J. Alloy. Compd. **403**_{1/2} (2005) 49–52. [DOI]
73. L.D.Gulay, O.S.Lychmanyuk, **J. STĘPIEŃ-DAMM, A. PIETRASZKO, I.D.Olekseyuk,**
Crystal Structures of the Y_3CuSiS_7 and $Y_3CuSiSe_7$ Compounds.
J. Alloy. Compd. **402**_{1/2} (2005) 201–3. [DOI]
74. L.D.Gulay, I.D.Olekseyuk, **A. PIETRASZKO,**
Crystal Structure of the $R_7Cu_3Te_{12}$ ($R = Tb, Dy, Ho, Er$ and Tm) Compounds.
J. Alloy. Compd. **403**_{1/2} (2005) 223–7. [DOI]
75. L.D.Gulay, I.D.Olekseyuk, **M. WOŁCYRZ, J. STĘPIEŃ-DAMM,**
Crystal Structures of the $RCuPbS_3$ ($R = Tb, Dy, Ho, Er, Tm, Yb$, and Lu) Compounds.
J. Alloy. Compd. **399**_{1/2} (2005) 189–95. [DOI]
76. L.D.Gulay, I.D.Olekseyuk, **M. WOŁCYRZ, J. STĘPIEŃ-DAMM,**
The Crystal Structures of R_3CuSnS_7 ($R = La-Nd, Sm, Gd-Ho$).
Z. anorg. allg. Chem. **631**₁₀ (2005) 1919–23. [DOI]
77. L.D.Gulay, V.Ya.Shemet, **J.A. STĘPIEŃ-DAMM, A. PIETRASZKO, I.D.Olekseyuk,**
Crystal Structure of the $R_6Pb_2Se_{11}$ ($R = Y, Dy$ and Ho) Compounds.
J. Alloy. Compd. **403**_{1/2} (2005) 206–10. [DOI]
78. B.Hilczer, J.Kulek, M.Połomska, M.D.Glinchuk, A.V.Ragulya, **A. PIETRASZKO,**
Dielectric and Pyroelectric Response of $BaTiO_3$ -PVDF Nanocomposites.
Ferroelectrics **316**_{1–4} (2005) 31–41. [DOI]
 NATO Adv.Res.Worksh.on Dimensionality Effects and Non-Linearity in Ferroics, L'VIV, UA, 2004.10 19–22
79. **D. HRENIAK**, S.Gierlotka, W.Łojkowski, **W. STREK, P. MAZUR, R.Fedyk,**
High-Pressure Induced Structural Decomposition of RE -Doped YAG Nanoceramics.
Solid State Phenom. **106** (2005) 17–22.
 E-MRS 2004 Fall Meet., Symp. G: From Nanopowders to Functional Materials, WARSAW, PL, 2004.09 06-10
80. T.I.Ivanova, S.A.Nikitin, A.E.Bogdanov, A.V.Morozkin, **W. SUSKI, J.K.Warchulska,**
Effect of Ga Substitution for Ge on Magnetic and Crystal Properties of the $GdMnGe_{1-x}Ga_x$
Intermetallics.
Intermetallics **13**₈ (2005) 857–61. [DOI]

81. **W. IWASIECZKO**, A.G.Kuchin, **H. DRULIS**,
Magnetic States in the $\text{Ce}_2\text{Fe}_{17-x}\text{Mn}_x\text{H}_y$ Hydrides.
J. Alloy. Compd. **392**_{1/2} (2005) 44–9. [\[DOI\]](#)
82. **W. IWASIECZKO**, A.G.Kuchin, **L. FOLCIK**, **H. DRULIS**,
Magnetic Phase Diagrams of $\text{Ce}_2\text{Fe}_{17-x}\text{Mn}_x\text{-H}$ System: A Magnetization Study.
J. Alloy. Compd. **404-6** (2005.12 08) 155–9. [\[DOI\]](#)
9th Int.Symp.on Metal-Hydrogen Systems, Fundamentals and Applications, CRACOW, PL, 2004.09 05–10
83. R.Jakubas, A.Piecha, **A. PIETRASZKO**, G.Bator,
Structure and Ferroelectric Properties of $(\text{C}_3\text{N}_2\text{H}_5)_5\text{Bi}_2\text{Cl}_{11}$.
Phys. Rev. B **72** (2005) 10 4107 (8). [\[DOI\]](#)
84. **J. JANCZAK**, **R. KUBIAK**,
Transformation of One of Two $\text{C}\equiv\text{N}$ Groups of *o*-Dicyanobenzene in the Presence of Cyanoguanidine. Crystal and Gas-Phase Structure of 2-(2'-Cyanophenyl)-4,6-Diamino-1,3,5-Triazine.
J. Mol. Struct. **749**₁₋₃ (2005) 60–9. [\[DOI\]](#)
85. **J. JANCZAK**, **R. KUBIAK**,
Synthesis, Structure and Characterization of Two 2,4-Diamino-6-*R*- 1,3,5-Triazine Derivatives (*R* = 3-Cyanophenyl and 4-Cyanophenyl).
J. Mol. Struct. **751**₁₋₃ (2005) 74–84. [\[DOI\]](#)
86. D.Jaque, J.G.Sole, **L. MACALIK**, **J. HANUZA**, A.Majchrowski,
A Pump-Power-Controlled Luminescent Switcher.
Appl. Phys. Lett. **86** (2005) 01 1920 (3). [\[DOI\]](#)
87. **D. KACZOROWSKI**, **K. GOFRYK**, P.Boulet, J.Rebizant, P.Javorský, E.Colineau, F.Wastin, G.H.Lander,
Crystal Structure and Physical Properties of NpPd_2Sn .
Physica B **359-61** (2005.04 30) 1102–4. [\[DOI\]](#)
Int.Conf.on Strongly Correlated Electron Systems, KARLSRUHE, DE, 2004.07 24–28
88. **D. KACZOROWSKI**, **K. GOFRYK**, **T. PLACKOWSKI**, A.Leithe-Jasper, Yu.Grin,
Unusual Features of Erbium-Based HEUSLER Phases.
J. Magn. Magn. Mater. **290/291** (2005) 573–9 [pt I]. [\[DOI\]](#)
2nd Joint Europ. Magnetic Symposia (JEMS'04) DRESDEN, DE, 2004.09 05–10
89. **D. KACZOROWSKI**, **K. GOFRYK**, L.Romaka, Ya.Mudryk, M.Konyk, P.Rogl,
Magnetic and Electrical Transport Properties of $\text{RE}_9\text{Ni}_{24}\text{Sn}_{49}$ Compounds (*RE* = Y, Ce, Pr, Sm and Tb).
Intermetallics **13**₅ (2005) 484–9. [\[DOI\]](#)
90. **D. KACZOROWSKI**, **A.P. PIKUL**, A.ZYGMUNT,
Electrical Transport Properties of USbSe and USbTe .
J. Alloy. Compd. **398**_{1/2} (2005) L1–3. [\[DOI\]](#)
91. A.A.Kaminskiĭ, E.Haussühl, S.Haussühl, H.J.Eichler, **J. HANUZA**, S.N.Bagayev, K.Ueda, K.Takaichi, **M. MAĆZKA**, C.Scharfenorth, G.M.A.Gad, H.Rhee,
Efficient Nonlinear $\chi^{(3)}$ Lasing in Orthorhombic Sodium Dithionate Dihydrate $\text{Na}_2\text{S}_2\text{O}_6 \cdot 2\text{H}_2\text{O}$ Single Crystals: Its Two SRS-Promoting Vibration Modes and Multiple STOKES and Anti-STOKES Picosecond Generation.
Laser Phys. **15**₅ (2005) 714–27. See also *Erratum: ibid.*, **15**₈ (2005) 1207–8.
92. M.Karbowiak, **Z. GAJEK**, J.Drożdżyński,
Spectroscopic Properties of $\text{K}_5\text{Li}_2\text{UF}_{10}$.
Chem. Phys. **310**₁₋₃ (2005) 239–48. [\[DOI\]](#)

93. M.Karbowiak, A. MECH, **A. BEDNARKIEWICZ**, **W. STRĘK**,
Synthesis and Properties of Solution-Processed $\text{Eu}^{3+}:\text{BaY}_2\text{F}_8$.
J. Lumin. **114**₁ (2005) 1–8. [\[DOI\]](#)
94. M.Karbowiak, **A. MECH**, **A. BEDNARKIEWICZ**, **W. STRĘK**, **L. KĘPIŃSKI**,
Comparison of Different $\text{NaGdF}_4:\text{Eu}^{3+}$ Synthesis Routes and Their Influence on Its Structural and Luminescent Properties.
J. Phys. Chem. Solids **66**₆ (2005) 1008–19. [\[DOI\]](#)
95. M.Karbowiak, **A. MECH**, J.Drożdżyński, **W. RYBA-ROMANOWSKI**, M.F.Reid,
Electronic Structure of U^{3+} in $\text{Cs}_3\text{Lu}_2\text{Cl}_9$ and $\text{Cs}_3\text{Y}_2\text{I}_9$ Single Crystals.
J. Phys. Chem. B **109**₁ (2005) 155–66. [\[DOI\]](#)
96. M.Karbowiak, A. MECH, **L. KĘPIŃSKI**, W.Mielcarek, S.Hubert,
Effect of Crystallite Size on Structural and Luminescent Properties of Nano-structured $\text{Eu}^{3+}:\text{KGdF}_4$ Synthesized by Co-precipitation Method.
J. Alloy. Compd. **400**_{1/2} (2005) 67–75. [\[DOI\]](#)
97. M.Karbowiak, A. MECH, **W. RYBA-ROMANOWSKI**,
Optical Properties of $\text{Eu}^{3+}:\text{CsGd}_2\text{F}_7$ Down-Conversion Phosphor.
J. Lumin. **114**₁ (2005) 65–70. [\[DOI\]](#)
98. S.M.Kazakov, R.Puźniak, **K. ROGACKI**, A.V.Mironov, N.D.Zhigadlo, J.Jun, C.Soltmann, B.Batlogg, J.Karpiński,
Carbon Substitution in MgB_2 Single Crystals: Structural and Superconducting Properties.
Phys. Rev. B **71** (2005) 02 4533 (10). [\[DOI\]](#)
99. **L. KĘPIŃSKI**, **W. MIŚTA**, **J. OKAL**, **M. DROZD**, **M. MAĆZKA**,
Interfacial Reactions and Silicate Formation in High Surface SiO_2 Impregnated with La Nitrate.
Solid State Sci. **7**₁₁ (2005) 1300–11. [\[DOI\]](#)
100. Л.Ф.Кирпичникова, M.Połomska, **A. PIETRASZKO**, В.С.Шахматов, В.Hilczler,
Об особенностях изменения доменной структуры смешанных кристаллов $[(\text{NH}_4)_{1-x}\text{Rb}_x]_3\text{H}(\text{SO}_4)_2$ в окрестности суперпротонного фазового перехода.
[Characteristic Features of the Change of Domain Structure in Mixed $[(\text{NH}_4)_{1-x}\text{Rb}_x]_3\text{H}(\text{SO}_4)_2$ Crystals in the Vicinity of Superprotonic Phase Transition.]
Кристаллография **50**₁ (2005) 127–33 [in Russian]. Engl. in: *Crystallogr. Rep.* **50**₁ (2005) 108–14. [\[DOI\]](#)
101. I.V.Kityk, M.Nyk, **W. STRĘK**, **J.M. JABŁOŃSKI**, J.Misiewicz,
Circularly Photostimulated Electrogyration in Europium- and Terbium-Doped GaN Nanocrystals Embedded in a Silica Xerogel Matrix.
J. Phys. Cond. Matt. **17**₃₄ (2005) 5235–45. [\[DOI\]](#)
102. **Z. KLETOWSKI**, B.Coqblin,
Analysis of Thermal Conductivity Data in Heavy Fermion Compounds.
Solid State Commun. **135**_{11/12} (2005) 711–15. [\[DOI\]](#)
103. B.Klimesz, **G. DOMINIAK-DZIK**, **W. RYBA-ROMANOWSKI**,
 Nd^{3+} or Sm^{3+} Doped Oxyfluoride Glass Based on $\text{GeO}_2\text{--PbO--PbF}_2$. Synthesis and Spectroscopic Properties.
Opt. Applic. **35**₄ (2005) 843–50.
7th Semin.on Porous Glasses & Special Glasses (PGL2005) SZKLARSKA POREBA, PL, 2005.09 10–14
104. B.Klimesz, **G. DOMINIAK-DZIK**, **P. SOLARZ**, M.Żelechower, **W. RYBA-ROMANOWSKI**,
Optical Study of $\text{GeO}_2\text{--PbO--PbF}_2$ Oxyfluoride Glass Singly Doped with Pr^{3+} , Nd^{3+} , Sm^{3+} and Er^{3+} .
J. Alloy. Compd. **403**_{1/2} (2005) 76–85. [\[DOI\]](#)

105. **R. KLIMKIEWICZ**, H.Teterycz, E.Sikora, J.Rakoczy, A.Biskupski, J.Trawczyński,
Characterization of Zirconia–Magnesia–Yttria Materials Used as Catalysts for Esters and Alcohols Fractions Transformations by Ketonization.
Pol. J. Chem. Technol. **7**₁ (2005) 29–32.
106. **R. KLIMKIEWICZ**, H.Teterycz, W.Tylus, P.J.Godowski,
Study of SnO₂-Supported Monophase Ce–Rh Catalysts.
React. Kinet. Catal. Lett. **85**₂ (2005) 323–30. [DOI]
107. **G. KONTRYM-SZNAJD**, **M. SAMSEL-CZEKAŁA**,
FERMI-Surface Mapping from 2D Positron Annihilation Data.
Acta Phys. Pol. A **108**₄ (2005) 586–91.
 XXXV Semin. Anihilacji Pozytronów [35th Pol.Semin.on Positron Annihilation] TURAWA, PL, 2004.09 20–24
108. **G. KONTRYM-SZNAJD**, **M. SAMSEL-CZEKAŁA**,
Different Ways of Dealing with COMPTON Scattering and Positron Annihilation Experimental Data.
Appl. Phys. A **80**₈ (2005) 1693–9. [DOI]
109. **G. KONTRYM-SZNAJD**, H.Sormann,
Many-Body Effects Observed in the Positron Annihilation Experiment.
Acta Phys. Pol. A **107**₄ (2005) 562–9.
 XXXV Semin. Anihilacji Pozytronów [35th Polish Semin.on Positron Annihilation] TURAWA, PL, 2004.09 20–24
110. **T.K. KOPEĆ**,
Nexus between Quantum Criticality and the Chemical Potential Pinning in High-*T_c* Cuprates.
Phys. Rev. B **72** (2005) 06 0513R (4). [DOI]
111. **T.K. KOPEĆ**,
Composite Quasiparticles and the Hidden Quantum Critical Point in the Topological Transition Scenario of High-*T_c* Cuprates.
Phys. Rev. B **72** (2005) 13 2503 (4). [DOI]
112. R.K.Kremer, M.Cardona, E.Schmitt, J.Blumm, S.K.Estreicher, M.Sanati, M.Boćkowski, I.Grzegory, T.Suski, **A. JEŻOWSKI**,
Heat Capacity of α -GaN: Isotope Effects.
Phys. Rev. B **72** (2005) 07 5209 (6). [DOI]
113. M.Kružel, K.Królas, L.Muszyński, V.I.Zaremba, **W. SUSKI**,
Site Occupation of In in *RAg₆In₆* Studied Using PAC Spectroscopy.
Hyperf. Interact. 158_{1–4} (2005) 333–8. [DOI]
 13th Int.Conf.on Hyperfine Interactions, BONN, DE, 2004.08 22–27
114. **R. KUBIAK**, **A. WAŚKOWSKA**, **A. PIETRASZKO**, **E. BUKOWSKA**,
Syntheses and Thermal Characterization of the Magnesium Phthalocyanine Complexes with 2-Methoxy- and with 2-Ethoxyethanol. X-ray Structure of (2-Ethoxyethanol) Magnesium Phthalocyanine.
Inorg. Chim. Acta **358**₃ (2005) 453–8. [DOI]
115. E.Kucharska, **J. HANUZA**, **M. MAĆZKA**, Z.Talik,
Vibrational Spectra, DFT Chemical Quantum Calculations and Conformation of the Hydrazo-Bond in 2,2'-Hydrazobipyridine with Relation to 2,2'-Azobipyridine.
Vib. Spectr. **39**₁ (2005) 1–14. [DOI]
116. S.Küick, I. SOKÓLSKA, M.Henke, E.Osiac,
Quantum Efficiency of ¹S₀ and ³P_(0,1) Levels of Pr³⁺-Doped YF₃.
Chem. Phys. **310**_{1–3} (2005) 139–44. [DOI]

117. S.Kück, I. SOKÓLSKA, M.Henke, T.Scheffler, E.Osiac,
Emission and Excitation Characteristics and Internal Quantum Efficiencies of Vacuum-Ultraviolet Excited Pr³⁺-Doped Fluoride Compounds.
Phys. Rev. B **71** (2005) 16 5112 (15). [DOI]
118. Ю.А.Кумзеров, Л.С.Парфеньева, И.А.Смирнов, А.И.Кривчиков, Г.А.Звягина, В.Д.Филь, **H. MISIOREK, J. MUCHA, A. JEŹOWSKI,**
Тепловые и акустические свойства хризотилового асбеста. [Thermal and Acoustic Properties of Chrysotile Asbestos.]
Физ. Твёрд. Тела **47**₂ (2005) 357–60 [in Russian]. Engl.in: *Phys. Solid State* **47**₂ (2005) 370–3. [DOI]
119. **R. LEMAŃSKI,**
Model of Charge and Magnetic Order Formation in Itinerant Electron Systems.
Phys. Rev. B **71** (2005) 03 5107 (7). [DOI]
120. **R. LEMAŃSKI,**
Charge and Magnetic Order in Mixed Valence Systems.
phys. stat. sol. (b) **242**₂ (2005) 409–13. [DOI]
121. **R. LISIECKI, W. RYBA-ROMANOWSKI, T.Łukasiewicz,**
Blue Up-Conversion with Excitation into Tm Ions at 808 nm in YVO₄ Crystals Co-doped with Thulium and Ytterbium.
Appl. Phys. B **81**₁ (2005) 43–7. [DOI]
122. **R. LISIECKI, W. RYBA-ROMANOWSKI, T.Łukasiewicz, H.Mond, K.Petermann,**
Assessment of Laser Potential of YVO₄:Yb, Ho and YVO₄:Yb, Tm.
Laser Phys. **15**₂ (2005) 306–12.
123. J.Lorenc, **J. HANUZA, M. MAĆZKA, E.Kucharska, A.A.Kaminskii, T.Kaino, T.Yaima, A.Yokoo,**
Vibrational Spectra and Chemical Quantum Calculations for 2-Adamantylamino-5-Nitropyridine Crystals — A Novel Material for Laser RAMAN Converters.
Spectrochim. Acta A **61**₄ (2005) 685–95. [DOI]
124. E.Lorenz, **M. MAĆZKA, K. HERMANOWICZ, A. WAŚKOWSKA, A.Puszko, J. HANUZA,**
Temperature-Dependent RAMAN, IR and X-ray Studies of 2-Ethylimino-4-Nitropyridine N-Oxide.
Vibr. Spectr. **37**₂ (2005) 195–207. [DOI]
125. **K. ŁUKASZEWICZ, A. PIETRASZKO, M. KUCHARSKA,**
Diffuse Scattering and Ordering in the Short-Range Modulated Paraelectric Phase of Sodium Nitrite, NaNO₂.
Acta Cryst. B **61**₅ (2005) 473–80. [DOI]
126. A.Łukowiak, R.Dylewicz, S.Patela, **W. STREK, K. MARUSZEWSKI,**
Optical Properties of SiO₂-TiO₂ Thin Film Waveguides Obtained by the Sol-Gel Method and Their Applications for Sensing Purposes.
Opt. Mater. **27**₉ (2005) 1501–5. [DOI]
3rd Int.Conf.on Sol-Gel Materials, WROCLAW, PL, 2004.06 06–11
127. **B. MACALIK, M. SUSZYŃSKA, E.Rysiakiewicz-Pasek, L. KRAJCZYK, T. MORAWSKA-KOWAL, J. OKAL,**
Spectroscopic and Dielectric Characteristics of Nickel-Doped Porous Silica Glasses.
Opt. Applic. **35**₄ (2005) 761–7.
7th Semin.on Porous Glasses & Special Glasses (PGL 2005) SZKLARSKA POREBA, PL, 2005.09 10–14
128. **B. MACALIK,**
Optical Properties of Copper Nanoparticles in Soda-Lime Silicate Glasses.
phys. stat. sol. (c) **2**₁ (2005) 608–11. [DOI]
15th Int.Conf.on Defects in Insulating Materials, RIGA, LV, 2004.07 11–16

129. **A. MACIĄG, P. WRÓBEL,**
Doping Induced Crossover between Site-Centered Stripe Phase and Bond-Centered Phase of Cuprates.
phys. stat. sol. (b) **242**₂ (2005) 443–8. [\[DOI\]](#)
130. **A. MACIĄG, P. WRÓBEL,**
Spectral Properties of Nano-Scale Phase Separated System.
phys. stat. sol. (c) **2**₅ (2005) 1732–6. [\[DOI\]](#)
E-MRS 2004 Fall Meet. Symp. E: Superconductors, WARSAW, PL, 2004.09 06–10
131. **A. MACIĄG, P. WRÓBEL,**
Diagonal Bond Ordered Stripes in Doped Antiferromagnet. Stability Analysis.
phys. stat. sol. (c) **2**₅ (2005) 1737–42. [\[DOI\]](#)
E-MRS 2004 Fall Meet. Symp. E: Superconductors, WARSAW, PL, 2004.09 06–10
132. **M. MAĆZKA, K. HERMANOWICZ, J. HANUZA,**
Phase Transition and Vibrational Properties of $A_2(BO_4)_3$ Compounds ($A = \text{Sc, In}; B = \text{Mo, W}$).
J. Mol. Struct. **744-7** (2005.06 03) 283–8. [\[DOI\]](#)
27th Eur. Conf. on Molecular Spectroscopy, CRACOW, PL, 2004.09 05–10
133. **M. MAĆZKA, K. HERMANOWICZ, J. HANUZA,**
Vibrational Study of Phase Transitions in $K_3Nb_3O_6(BO_3)_2$ Crystal.
J. Phys. Cond. Matt. **17**₂₁ (2005) 3355–66. [\[DOI\]](#)
134. **M. MAĆZKA, E.P.Kokanyan, J. HANUZA,**
Vibrational Study and Lattice Dynamics of Disordered $NaBi(WO_4)_2$.
J. Raman Spectr. **36**₁ (2005) 33–8. [\[DOI\]](#)
135. **M. MAĆZKA, W.Paraguassu, A.G.Souza, P.T.C.Freire, E.F.A.Melo, J.Mendes, J. HANUZA,**
Pressure-Induced Phase Transitions in Antiferroelectric $CsBi(MoO_4)_2$.
J. Raman Spectr. **36**₁ (2005) 56–62. [\[DOI\]](#)
136. **M. MAĆZKA, A. PIETRASZKO, G.D.Saraiva, A.G.Souza Filho, W.Paraguassu, V.Lemos, C.A.Perottoni, M.R.Gallas, P.T.C.Freire, P.E. TOMASZEWSKI, F.E.A.Melo, J.Mendes Filho, J. HANUZA,**
High Pressure Effects on the Structural and Vibrational Properties of Antiferromagnetic $KFe(MoO_4)_2$.
J. Phys. Cond. Matt. **17**₃₉ (2005) 6285–300. [\[DOI\]](#)
137. **M. MAĆZKA, D. WŁOSEWICZ, P.E. TOMASZEWSKI, J. HANUZA,**
Heat Capacity Studies of Phase Transitions in $K_3Nb_3O_6(BO_3)_2$.
Thermochim. Acta **438**_{1/2} (2005) 112–15. [\[DOI\]](#)
138. **T.I.Maksimova, K. HERMANOWICZ, J. HANUZA, U.Happek,**
Electronic and Phonon Processes of MnO_4 — Nanoclusters in Dielectric Crystals.
phys. stat. sol. (c) **2**₁ (2005) 322–5. [\[DOI\]](#)
15th Int. Conf. on Defects in Insulating Materials, RIGA, LV, 2004.07 11–16
139. **M.K. MARCHEWKA, A. PIETRASZKO,**
Structural and Vibrational Studies of Anilinium Nitrate.
J. Phys. Chem. Solids **66**₆ (2006) 1039–48. [\[DOI\]](#)
140. **M. MATUSIAK, Th. Wolf,**
The Electronic Thermal Transport in the $EuBa_2Cu_3O_y$ Superconductor.
Physica C **432**_{1/2} (2005) 25–34. [\[DOI\]](#)

141. **M. MATUSIAK**, Th. Wolf,
LORENZ Number in the Optimally Doped and Underdoped Superconductor $\text{EuBa}_2\text{Cu}_3\text{O}_y$.
Phys. Rev. B **72** (2005) 05 4508 (5). [DOI]
142. **P. MAZUR**, **D. HRENIAK**, J.Niittykoski, **W. STREK**, J.Hölsä,
Formation of the Nanostructured Tb^{3+} -Doped Yttrium Aluminum Garnets by the Glycol Route.
Mater. Sci. (Poland) **23**₁ (2005) 261–8.
143. J.Michalski, E.Kucharska, M.Wandas, **J. HANUZA**, **A. WAŚKOWSKA**, **M. MAĆZKA**, Z.Talik,
S.Olejniczak, M.J.Potrzebowski,
**Crystal Structure, Vibrational and NMR Studies and Chemical Quantum Calculations
of 2-Phenylazo-5-Nitro-6-Methyl-Pyridine ($\text{C}_{12}\text{H}_{10}\text{N}_4\text{O}_2$).**
J. Mol. Struct. **744-7** (2005.06 03) 377–92. [DOI]
27th Eur.Conf.on Molecular Spectroscopy, CRACOW, PL, 2004.09 05–10
144. **H. MISIOREK**, **J. MUCHA**, **R. TROĆ**, B.Coqblin,
Thermal Conductivity Anisotropy in Ferromagnetic Superconductor UGe_2 .
J. Phys. Cond. Matt. **17**₄ (2005) 679–88. [DOI]
145. **W. MIŚTA**, R.Kacprzyk, M.Bartkowiak,
**Decomposition of Toluene Using an Atmospheric Pressure Non-Thermal Plasma Reactor
at Room Temperature.**
Pol. J. Environ. Stud. **14** Suppl. IV (2005) 219–21.
5th Int.Conf.on Catalysis and Adsorption in Fuels Processing and Environmental Protection, KUDOWA-Zdrój, PL,
2005.09 14–17
146. **W. MIŚTA**, R.Kacprzyk, W.Witkowski,
Decomposition of Benzene by Using a Plasma Reactor with Back Corona.
Pol. J. Environ. Stud. **14** Suppl. IV (2005) 215–8.
5th Int.Conf.on Catalysis and Adsorption in Fuels Processing and Environmental Protection, KUDOWA-Zdrój, PL,
2005.09 14–17
147. **J. MULAŁ**, M.Mulak,
On Standardization of Crystal-Field Hamiltonians Parametrization: Triclinic Symmetry Case.
J. Phys. A **38**₂₆ (2005) 6081–90. [DOI]
148. H.Noël, O.Tougait, **R. TROĆ**, V.Zaremba,
**The U–Co–Al Ternary System: Phases Formation and Isothermal Section of the Phase Diagram
at 900 °C.**
Solid State Sci. **7**₆ (2005) 780–3. [DOI]
149. C.A.Nunes, **D. KACZOROWSKI**, P.Rogl, M.R.Baldissera, P.A.Suzuki, G.C.Coelho, A.Grytsiv,
G.André, F.Bourée, S.Okada,
The NbB_2 -Phase Revisited: Homogeneity Range, Defect Structure, Superconductivity.
Acta Mater. **53**₁₃ (2005) 3679–87. [DOI]
150. M.Nyk, R.Kudrawiec, J.Misiewicz, R.Paszkievicz, R.Korbutowicz, J.Kozłowski, J.Serafiniczuk,
W. STREK,
**Structure and Optical Properties of MOVPE and HVPE GaN Films Grown on GaN
Nanocrystalline Powder Substrate.**
J. Cryst. Growth **277**_{1–4} (2005) 149–53. [DOI]
151. M.Nyk, **W. STREK**, **J.M. JABŁOŃSKI**, **L. KEPIŃSKI**, R.Kudrawiec, J.Misiewicz,
Synthesis, Structure and Optical Properties of GaN Nanocrystallites.
Mater. Sci. Semicond. Process. **8**₄ (2005) 511–4. [DOI]
152. **J. OKAL**,
A Study of Effect of Particle Size on the Oxidation of Rhenium in the $\text{Re}/\gamma\text{-Al}_2\text{O}_3$ Catalysts.
Appl. Catal. A **287**₂ (2005) 214–20. [DOI]

153. J.Oszust, **J. BARAN**, **A. PIETRASZKO**, **M. DROZD**, Z.Talik,
Structural and Vibrational Investigation of *para* Nitroaminopyridine *N*-Oxide. A Combined Experimental and Theoretical Studies.
Spectrochim. Acta A **62**_{4/5} (2005) 773–89. [\[DOI\]](#)
154. T.Palewski, J.Ćwik, K. NENKOV, G.S.Burkhanov, O.D.Chistyakov, **J. KLAMUT**,
Magnetic Properties and Specific Heat of MNi_2 Compounds ($M = Sc, Y, La, Lu, Ho$).
Fiz. Metal. Metalloved. **100** Supl. 1 (2005) S2–3. Also in: *Phys. Met. Metallogr. etc.*
Euro-Asian Symp.on Trends in Magnetism (EASTMAG) KRASNOYARSK, RU, 2004.08 24-27
155. T.Palewski, N.V.Tristan, **H. DRULIS**, J.Ćwik,
Hydrogenation Process of the Gd_3M ($M = Ni$ or Co) Intermetallics Compound.
J. Alloy. Compd. **404-6** (2005.12 08) 584–7. [\[DOI\]](#)
9th Int.Symp.on Metal-Hydrogen Systems, Fundamentals and Applications, CRACOW, PL, 2004.09 05–10
156. N.Yu.Pankratov, S.A.Nikitin, **W. IWASIECZKO**, **H. DRULIS**, K.Nenkov, K.P.Skokov, O.Gutfleisch,
A.Handstein, K.-H.Müller,
Effect of Hydrogen Insertion on Magnetic Properties of $Er(Fe,Co)_{11}Ti$ Single Crystals.
J. Alloy. Compd. **404-6** (2005.12 08) 181–4. [\[DOI\]](#)
9th Int.Symp.on Metal-Hydrogen Systems, Fundamentals and Applications, CRACOW, PL, 2004.09 05–10
157. Л.С.Парфеньева, Т.С.Орлова, Н.Ф.Картенко, Н.В.Шаренкова, Б.И.Смирнов, И.А.Смирнов,
Н. MISIOREK, **A. JEŻOWSKI**, F.M.Varela-Feria, J.Martinez-Fernandez, A.R.de Arellano-Lopez,
Теплопроводность биоморфного композита SiC/Si – новой экокерамики канального типа.
[Thermal Conductivity of the SiC/Si Biomorph Composite, a New Cellular Ecoceramic.]
Физ. Твёрд. Тела **47**₇ (2005) 1175–79 [in Russian]. Engl.in: *Phys. Solid State* **47**₇ (2005) 1216–20. [\[DOI\]](#)
158. Л.С.Парфеньева, И.А.Смирнов, А.В.Фокин, **Н. MISIOREK**, **J. MUCHA**, **A. JEŻOWSKI**,
Теплопроводность NaCl, находящегося в хаотически расположенных каналах пористого стекла.
[Thermal Conductivity of NaCl Embedded in Randomly Distributed Porous-Glass Channels.]
Физ. Твёрд. Тела **47**₇ (2005) 1207–11 [in Russian]. Engl.in: *Phys. Solid State* **47**₇ (2005) 1249–53. [\[DOI\]](#)
159. **S. PASZKOWSKI**
Tożsamości wyznacznikowe i przykłady ich zastosowań. [Determinant Identities and Their Applications.]
Matematyka Stosowana **6**₄₇ (2005) 3–20 [in Polish].
160. M.Рęкаła, **J. MUCHA**, M.Baran, I.Troyanchuk, B.Krzymańska, H.Szymczak,
Magneto-Transport in Orthocobaltite $GdBaCo_2O_{5.5}$.
J. Magn. Magn. Mater. **292** (2005.04) 385–93. [\[DOI\]](#)
161. M.M.Рęкаła, **J. MUCHA**, Ph.Vanderbemden, R.Cloots, M.Ausloos,
Magneto-Transport Characterization of Dy123 Monodomain Superconductors.
Appl. Phys. A **81**₅ (2005) 1001–7. [\[DOI\]](#)
162. M.Рęкаła, V.Drozdz, **J. MUCHA**,
Magnetic Field Dependence of Electrical Resistivity in Fine Grain $La_{0.75}Ca_{0.25}MnO_3$.
J. Magn. Magn. Mater. **290/291** (2005) 928–32 [pt II]. [\[DOI\]](#)
2nd Joint Europ. Magnetic Symposia (JEMS'04) DRESDEN, DE, 2004.09 05–10
163. G.J.Perpétuo, **J. JANCZAK**,
Tetramethylammonium 2,5-Dinitrophenolate Monohydrate. [$C_4H_{12}N^+ \cdot C_6H_3N_2O_5^- \cdot H_2O$].
Acta Cryst. C **61**₃ (2005) o165–7. [\[DOI\]](#)
164. G.J.Perpétuo, **J. JANCZAK**,
Melaminium Benzoate Dihydrate.
Acta Cryst. E **61**₂ (2005) o287–9. [\[DOI\]](#)

165. G.J.Perpétuo, **J. JANCZAK**,
Piperazinium Nitrate. $[C_4H_{11}N_2^+ - NO_3^-]$
Acta Cryst. E **61**₈ (2005) o2531–3. [\[DOI\]](#)
166. G.J.Perpétuo, **J. JANCZAK**,
Bis{[phthalocyaninato(2-)] Antimony(III)} Tetradecaiodotetraantimonate(III).
 $[Sb(C_{32}H_{16}N_8)]_2 [Sb_4I_{14}]$
Acta Cryst. E **61**₁₀ (2005) m2003–5. [\[DOI\]](#)
167. G.J.Perpétuo, M.A.Ribeiro, **J. JANCZAK**,
Melaminium Formate. $[C_4H_7N_6^+ - CHO_2^-]$
Acta Cryst. E **61**₆ (2005) o1818–20. [\[DOI\]](#)
168. J.Pisarska, **W. RYBA-ROMANOWSKI**, **G. DOMINIAK-DZIK**, T.Goryczka, W.A.Pisarski,
Energy Transfer from Yb to X (X = Tm, Er) in Lead Borate Glasses.
Opt. Applic. **35**₄ (2005) 837–42.
7th Semin.on Porous Glasses & Special Glasses (PGL2005) SZKLARSKA POREBA, PL, 2005.09 10–14
169. W.A.Pisarski, J.Pisarska, T.Goryczka, **G. DOMINIAK-DZIK**, **W. RYBA-ROMANOWSKI**,
Influence of Thermal Treatment on Spectroscopic Properties of Er³⁺ Ions in Multicomponent InF₃-Based Glasses.
J. Alloy. Compd. **398**_{1/2} (2005) 272–5. [\[DOI\]](#)
170. W.A.Pisarski, J.Pisarska, **W. RYBA-ROMANOWSKI**,
Structural Role of Rare Earth Ions in Lead Borate Glasses Evidenced by Infrared Spectroscopy: BO₃ ↔ BO₄ Conversion.
J. Mol. Struct. **744-7** (2005.06 03) 515–20. [\[DOI\]](#)
27th Eur.Conf.on Molecular Spectroscopy, CRACOW, PL, 2004.09 05–10
171. **T. PLACKOWSKI**,
Irreversible Isothermal Magnetocaloric Effect in Type-II Superconductors.
Phys. Rev. B **72** (2005) 01 2513 (4). [\[DOI\]](#)
172. **T. PLACKOWSKI**, **D. KACZOROWSKI**,
Critical Behavior of Specific Heat and Isothermal Magnetocaloric Coefficient in the UCuP₂ Ferromagnet.
Phys. Rev. B **72** (2005) 22 4407 (8). [\[DOI\]](#)
173. **T. PLACKOWSKI**, **D. KACZOROWSKI**, **Z. BUKOWSKI**,
Specific Heat and Isothermal Magnetocaloric Effect in UNi_{0.5}Sb₂.
Phys. Rev. B **72** (2005) 18 4418 (8). [\[DOI\]](#)
174. **T. PLACKOWSKI**, Y.Wang, R.Lortz, A.Junod, Th.Wolf,
Reversible and Irreversible Magnetocaloric Effect in the NdBa₂Cu₃O₇ Superconductor in Relation to Specific Heat and Magnetization.
J. Phys. Cond. Matt. **17**₄₃ (2005) 6871–88. [\[DOI\]](#)
175. V.B.Pluzhnikov, G.E.Grechnev, **A. CZOPNIK[†]**, O.Eriksson,
Pressure Effect on the FERMI Surface and Electronic Structure of LuGa₃ and TmGa₃.
Fiz. Nizk. Temp. **31**_{3/4} (2005) 412–21. Also in: *Low Temp. Phys.* **31**_{3/4} (2005) 313–20. [\[DOI\]](#)
176. T.P.Polak, **T.K. KOPEĆ**,
Local Dissipation Effects in Two-Dimensional Quantum JOSEPHSON Junction Arrays with a Magnetic Field.
Phys. Rev. B **72** (2005) 01 4509 (8). [\[DOI\]](#)

177. **D. POTOCZNA-PETRU, L. KĘPIŃSKI, L. KRAJCZYK,**
Interaction of Co Thin Films with SiO₂: Effect of Co Loading.
Mater. Chem. Phys. **92**_{2/3} (2005) 613–5. [\[DOI\]](#)
178. **J. POŹNIAK,**
Thermally Stimulated Depolarization Currents in NaCl:Ca.
Acta Phys. Pol. A **107**₆ (2005) 959–65.
179. **A. RUBASZEK,**
Electron–Positron Momentum Densities for Electrons from Individual Core Shells.
Acta Phys. Pol. A **107**₅ (2005) 864–7.
 XXXV Semin. Anihilacji Pozytronów [35th Pol.Semin.on Positron Annihilation] TURAWA, PL, 2004.09 20-24
180. E.Rysiakiewicz-Pasek, R.Poprawski, A.Urbanowicz, **M. MAĆZKA,**
Porous Glasses with Sodium Nitrite Impregnations.
Opt. Applic. **35**₄ (2005) 769–74.
 7th Semin.on Porous Glasses & Special Glasses (PGL 2005) SZKLARSKA POREĘBA, PL, 2005.09 10–14
181. T.Rzadki, B.Białobok, J.Trawczyński, **M. ZAWADZKI,**
Effect of Alkali Metals (K, Cs) on the Catalytic Soot Combustion.
Pol. J. Environ. Stud. **14** Suppl. IV (2005) 207–10.
 5th Int.Conf.on Catalysis and Adsorption in Fuels Processing and Environmental Protection, KUDOWA-Zdrój, PL, 2005.09 14–17
182. **M. SAMSEL-CZEKAŁA, Ł.Boguszewicz,**
Influence of Experimental Noise on Densities Reconstructed from Line Projections.
phys. stat. sol. (b) **242**₆ (2005) 1279–85. [\[DOI\]](#)
183. **W. SAŚIADEK, M. MAĆZKA, E.Kucharska, J. HANUZA, A.A.Kaminskiï, H.Klapper,**
Polarized IR and RAMAN Study and DFT Chemical Quantum Calculations of the Vibrational Levels for Benzophenone Single Crystal.
J. Raman Spectr. **36**₉ (2005) 912–23. [\[DOI\]](#)
184. M.Schmidt, **T. CICHOREK, R.Niewa, A.Schlechte, Y.Prots, F.Steglich, R.Kniep,**
Crystallographic Disorder and Electron Scattering on Structural Two-Level Systems in ZrAs_{1.4}Se_{0.5}.
J. Phys. Cond. Matt. **17**₃₆ (2005) 5481–8. [\[DOI\]](#)
185. I.Sobczak, M.Ziołek, J.Gościańska, F.Romero-Sarria, M.Daturi, **J.M. JABŁOŃSKI,**
The Effect of the Cs Introduction into Pt/NbMCM-41 and Pt/SiMCM-41 on Surface Properties and NO Reduction with Hydrocarbons.
Stud. Surf. Sci. Catal. **158** (2005) 1319–26 [pt B].
 3rd Int. Zeolite Symp., PRAGUE, CZ, 2005.08 23–26
186. **P. SOLARZ, W. RYBA-ROMANOWSKI,**
Luminescence and Energy Transfer Processes of Sm³⁺ in K₅Li₂LaF₁₀:Sm³⁺ – K₅Li₂SmF₁₀ Single Crystals.
Phys. Rev. B **72** (2005) 07 5105 (8). [\[DOI\]](#)
187. J.Spalek, A.Ślebarski, J.Goraus, L.Spalek, K.Tomala, A.Zarzycki, **A. HACKEMER,**
From KONDO Semiconductor to a Singular Non-FERMI Liquid via a Quantum Critical Point: The Case of SeRhSb_{1-x}Sn_x.
Phys. Rev. B **72** (2005) 15 5122 (12). [\[DOI\]](#)
188. **H. STACHOWIAK, E. BOROŃSKI,**
Influence of the Zero Motion of a Positron on Positron Lifetime in a Metal Lattice Due to Higher FOURIER Components of Its BLOCH Function.
Phys. Rev. B **71** (2005) 24 5107 (9). [\[DOI\]](#)

189. **H. STACHOWIAK, E. BOROŃSKI,**
Electron–Positron Interaction in Metals. Theory and Experiment.
Acta Phys. Pol.A **108**₄ (2005) 541–53.
 XXXV Semin. Anihilacji Pozytronów [35th Pol.Semin.on Positron Annihilation] TURAWA, PL, 2004.09 20–24
190. **P. STACHOWIAK, E. PISARSKA, A.Krivchikov, V.V.SUMAROKOV, A. JEŻOWSKI,**
Thermal Conductivity of Crystalline Deuterated Methane.
J. Low Temp. Phys. **139**_{5/6} (2005) 563–6. [DOI]
 5th Int.Conf.on Cryocrystals and Quantum Crystals (CC2004) WROCLAW, PL, 2004.08 29 –.09 04
191. **W. SUSKI, B.Bielan, O.I.Bodak, A.Gilewski, T.Mydlarz, K. WOCHOWSKI,**
Magnetic Properties of the Tb_{2+y}(Fe,Si)₁₇ Alloys (II).
Fiz. Metall. Metalloved. **99** Supl.1 (2005) S38–41. Also as: *Phys. Met. Metallogr. etc.*
Euro-Asian Symp.on Trends in Magnetism (EASTMAG) KRASNOYARSK, RU, 2004.08 24–27
192. **W. SUSKI, A. CZOPNIK[†], K. GOFRYK, M. SOŁYGA, K. WOCHOWSKI, T.Mydlarz,**
UCu_{4+x}Al_{8-x} and Its Derivatives.
Solid State Sci. **7**₆ (2005) 784–90. [DOI]
193. **W. SUSKI, A. CZOPNIK[†], M. SOŁYGA, K. WOCHOWSKI, T.Mydlarz,**
Magnetic, Electrical and Thermodynamic Properties of the UCu₆Al₆ Derivatives.
Physica B **359-61** (2005.04 30) 1024–6. [DOI]
Int.Conf.on Strongly Correlated Electron Systems, KARLSRUHE, DE, 2004.07 24–28
194. **M. SUSZYŃSKA, P.Grau, H.Meinhard, M. SZMIDA, L. KRAJCZYK,**
Chemical Strengthening of Some Soda–Lime Silicate Glasses.
phys. stat. sol. (c) **2**₁ (2005) 604–7. [DOI]
 15th Int.Conf.on Defects in Insulating Materials, RIGA, LV, 2004.07 11–16
195. **M. SUSZYŃSKA, L. KRAJCZYK, B. MACALIK, R.Capelletti, C.Mora, A.Gubański,**
Structural and Electrical Characteristics of Copper-Doped Soda Lime Silicate Glasses.
phys. stat. sol. (c) **2**₁ (2005) 612–5. [DOI]
 15th Int.Conf.on Defects in Insulating Materials, RIGA, LV, 2004.07 11–16
196. **H.Suzuki, J.Ogawa, M. CISZEK, O.Tsukamoto,**
AC Losses in Multifilamentary Bi-2223/Ag Tapes Subjected to Bending Strains.
Physica C **426-31** (2005.10) 1333–8. [DOI]
 17th Int.Symp.on Superconductivity (ISS 2004): Advances in Superconductivity, NIIGATA, JP, 2004.11 23–25
197. **A.Szajek, J.A.Morkowski, A.Bajorek, G.Chełkowska, T. TROĆ,**
X-ray Photoemission Spectra and Electronic Band Structure of the Ternary Compounds U₃M₂M'₃, M = Al, Ga; M' = Si, Ge.
J. Alloy. Compd. **386**_{1/2} (2005) 75–81. [DOI]
198. **A.Szewczyk, M.Gutowska, B.Dabrowski, T. PLACKOWSKI, N.P.Danilova, Yu.P.Gaidukov,**
Specific Heat Anomalies in La_{1-x}Sr_xMnO₃ (0.12 ≤ x ≤ 0.2).
Phys. Rev. B **71** (2005) 22 4432 (7). [DOI]
199. **J. SZNAJD, K.W.Becker,**
Spinless Fermion Chains with Weak Interchain Hopping.
J. Phys. Cond. Matt. **17**₄₆ (2005) 7359–70. [DOI]
200. **K.Sznajd-Weron, J. SZNAJD,**
Who Is Left, who Is Right?
Physica A **351**₂₋₄ (2005) 593–604. [DOI]

201. E.Talik, M.Klimczak, A.Winiarski, **R. TROĆ**,
Gd₇T₃ (T = Rh, Pd) Intermetallics Crystal Growth.
J. Cryst. Growth **283**_{3/4} (2005) 547–52. [DOI]
202. M.B.Tchoula Tchokonté, P.de V. du Plessis, **D. KACZOROWSKI**, A.M.Strydom,
Magnetic and Electric Transport Studies of Ce₈Pd₂₄Ge_x.
Physica B **359-61** (2005.04 30) 290–2. [DOI]
Int.Conf.on Strongly Correlated Electron Systems, KARLSRUHE, DE, 2004.07 24–28
203. E.Tereshina, I.Telegina, T.Palewski, K.Skokov, I.Tereshina, **L. FOLCIK**, **H. DRULIS**,
The Magnetocrystalline Anisotropy in Y(Fe,Co)₁₁TiH Single Crystals.
J. Alloy. Compd. **404-6** (2005.12 08) 208–11. [DOI]
9th Int.Symp.on Metal-Hydrogen Systems, Fundamentals and Applications, CRACOW, PL, 2004.09 05–10
204. I.S.Tereshina, A.V.Andreev, **H. DRULIS**, E.A.Tereshina,
Effect of Hydrogen on the Magnetic Properties of Lu₂Fe₁₄B.
J. Alloy. Compd. **404-6** (2005.12 08) 212–15. [DOI]
9th Int.Symp.on Metal-Hydrogen Systems, Fundamentals and Applications, CRACOW, PL, 2004.09 05–10
205. I.Tereshina, S.Nikitin, **W. SUSKI**, **J. STEPIEŃ-DAMM**, **W. IWASIECZKO**, **H. DRULIS**, K.Skokov,
Structural and Magnetic Properties of Dy₂Fe₁₇H_x (x = 0 and 3) Single Crystals.
J. Alloy. Compd. **404-6** (2005.12 08) 172–5. [DOI]
9th Int.Symp.on Metal-Hydrogen Systems, Fundamentals and Applications, CRACOW, PL, 2004.09 05–10
206. I.S.Tereshina, N.Yu.Pankratov, E.A.Tereshina, V.N.Verbitski, A.A.Salamova, T.Mydlarz, **W. SUSKI**,
Magnetocrystalline Anisotropy of Hydrogenated and Nitrogenated Rare-Earth Intermetallic SmFe₁₁Ti.
Fiz. Metall. Metalloved. **99** Supl.1 (2005) S46–9. Also in: *Phys. Met. Metallogr. etc.*
Euro-Asian Symp.on Trends in Magnetism (EASTMAG) KRASNOYARSK, RU, 2004.08 24–27
207. B.Terziyska, **A. CZOPNIK[†]**, E.Vateva, D.Arsova, **R. CZOPNIK**,
Low-Temperature Specific Heat of Ge–As–S Glasses.
Philos. Mag. Lett. **85**₃ (2005) 145–50. [DOI]
208. B.Terziyska, **H. MISIOREK**, E.Vateva, **A. JEŻOWSKI**, D.Arsova,
Low-Temperature Thermal Conductivity of Ge_xAs_{40-x}S₆₀ Glasses.
Solid State Commun. **134**₅ (2005) 349–53. [DOI]
209. **P.E. TOMASZEWSKI**, **M. MAĆZKA**, A.Majchrowski, **A. WAŚKOWSKA**, **J. HANUZA**,
Crystal Structure and Vibrational Properties of KMg₄(PO₄)₃.
Solid State Sci. **7**₁₀ (2005) 1201–8. [DOI]
210. O.Tougait, **D. KACZOROWSKI**, H.Noël,
PrCo₂Al₈ and Pr₂Co₆Al₁₉ : Crystal Structure and Electronic Properties.
J. Solid State Chem. **178**₁₂ (2005) 3639–47. [DOI]
211. **V.H. TRAN**,
KONDO and Crystalline Electric Field Effects in CeIn_{1-x}M_xCu₂ (M = Al and Sn).
Physica B **359-61** (2005.04 30) 257–9. [DOI]
Int.Conf.on Strongly Correlated Electron Systems, KARLSRUHE, DE, 2004.07 24–28
212. **V.H. TRAN**, **Z. BUKOWSKI**, **J. STEPIEŃ-DAMM**, **A.J. ZALESKI**, **D. BADURSKI**,
R. GORZELNIAK, **C. SUŁKOWSKI**, **R. TROĆ**,
Coexistence of Antiferromagnetic and Spin-Glass Behavior in U₃Rh₃Sb₄.
J. Phys. Cond. Matt. **17**₂₃ (2005) 3597–609. [DOI]

213. **V.H. TRAN, D. KACZOROWSKI, A. Grytsiv, P. Rogl,**
**Intermediate Valence and Non-FERMI Liquid Behavior in $\text{Yb}(\text{Cu}_y\text{Si}_{1-y})_{2-x}$, ($x = 0.05\text{--}0.19$
and $y = 0.12\text{--}0.15$).**
Phys. Rev. B **72** (2005) 11 5116 (9). [\[DOI\]](#)
214. **V.H. TRAN, R. TROĆ, Z. BUKOWSKI, D. BADURSKI, C. SUŁKOWSKI,**
Weak Localization Effect in a Strong Ferromagnetic KONDO Compound $\text{UCo}_{0.5}\text{Sb}_2$.
Phys. Rev. B **71** (2005) 09 4428 (10). [\[DOI\]](#)
215. J. Trawczyński, B. Białobok, **W. MIŚTA, M. ZAWADZKI,**
**Effect of Preparation Method and Hydrothermal Treatment of LaCoO_3 on Its Properties
and Catalytic Activity in Ethanol Combustion.**
Pol. J. Environ. Stud. **14** Suppl. IV (2005) 175–8.
5th Int. Conf. on Catalysis and Adsorption in Fuels Processing and Environmental Protection, KUDOWA-Zdrój, PL,
2005.09 14–17
216. J. Trawczyński, B. Bielak, **W. MIŚTA,**
Oxidation of Ethanol over Supported Manganese Catalysts — Effect of the Carrier.
Appl. Catal. B **55**₄ (2005) 277–85. [\[DOI\]](#)
217. **R. TROĆ, Z. BUKOWSKI, C. SUŁKOWSKI, J.A. Morkowski, A. Szajek, G. Chełkowska,**
Magnetic, Transport and Electronic Structure Properties of U_2RuGa_8 .
Physica B **359-61** (2005.04 30) 1375–7. [\[DOI\]](#)
Int. Conf. on Strongly Correlated Electron Systems, KARLSRUHE, DE, 2004.07 24–28
218. O. Tsukamoto, **M. CISZEK, N. Sekine, H. Suzuki,**
AC Magnetization Loss Reduction by Striation in YBCO-123/Hastalloy Coated Conductors.
IEEE Tr. Appl. Supercond. **15**₂ (2005) 2839–42 [pt III]. [\[DOI\]](#)
2004 Applied Superconductivity Conf., JACKSONVILLE, FL, US, 2004.10 03-08
219. O. Tsukamoto, H. Nakayama, S. Odaka, **M. CISZEK, S. Hahakura, M. Ueyama, K. Ohmatsu, D. Miyagi,**
Transport Current Losses in HoBaCuO-123 Coated Conductors with a Ni-Alloy Substrate.
Physica C **426-31** (2005.10) 1290–4 [pt II]. [\[DOI\]](#)
17th Int. Symp. on Superconductivity (ISS 2004): Advances in Superconductivity, NIIGATA, JP, 2004.11 23–25
220. O. Tsukamoto, N. Sekine, **M. CISZEK, J. Ogawa,**
**A Method to Reduce Magnetization Losses in Assembled Conductors Made of YBCO Coated
Conductors.**
IEEE Tr. Appl. Supercond. **15**₂ (2005) 2823–6 [pt III]. [\[DOI\]](#)
2004 Applied Superconductivity Conf., JACKSONVILLE, FL, US, 2004.10 03-08
221. A. Ulatowska-Jarza, U. Bindig, H. Podbielska, I. Hołowacz, **W. STREK, G. Müller, H.J. Eichler,**
**Spectroscopic Properties of a Chlorophyll-Based Photosensitive Dye Entrapped in Sol-Gel
Fibre-Optic Applicators.**
Mater. Sci. (Poland) **23**₁ (2005) 111–22.
222. J.M.J. van Leeuwen, **A. DRZEWIŃSKI,**
Boundary Effects for Weakly Driven Polymers.
Mol. Phys. **103**_{21–23} (2005) 3091–102. [\[DOI\]](#)
223. E. Vateva, B. Terziyska, **H. MISIOREK, A. JEŻOWSKI, D. WŁOSEWICZ, D. Arsova,**
Low-Temperature Thermal Properties of Ge-As-S Glasses.
J. Optoelect. Adv. Mater. **7**₁ (2005) 357–60.
3rd Int. Symp. on Irradiation-Induced Phenomena in Chalcogenide, Oxide and Organic Thin Films, TRYAVNA, BG,
2005.06 15–19

224. V.S.Vikhnin, T.I.Maksimova, **J. HANUZA**,
Molecular Impurity Ions as Centers with Charge Transfer Degrees of Freedom. Influence on Ferroelectric Phase Transitions.
Mater. Sci. (Poland) **23**₃ (2005) 677–84.
225. X.J.Wang, Z.Y.He, D.Jia, **W. STRĘK**, **R. PAŹIK**, **D. HRENIAK**, W.M.Yen,
Crystal Size Dependence of the Persistent Phosphorescence in $\text{Sr}_2\text{ZnSi}_2\text{O}_7 : \text{Eu}^{2+}, \text{Dy}^{3+}$.
Microelectron. J. **36**_{3–6} (2005) 546–8. [DOI]
5th Int.Conf.on Low-Dimensional Structures & Devices, CANCUN-Mayan, QR, MX, 2004.12 12–17
226. Z.Q.Wang, D.F.Xue, X.X.Chen, B.L.Lü, H. RATAJCZAK,
Mechanical and Biomedical Properties of Hydroxyapatite-Based Gradient Coating on $\alpha\text{-Al}_2\text{O}_3$ Ceramic Substrate.
J. Non-Cryst. Solids **351**_{19/20} (2005) 1675–81. [DOI]
227. **A. WAŚKOWSKA**, L.Gerward, J.Staun Olsen, **M. MAĆZKA**, T.Lis, **A. PIETRASZKO**, W.Morgenroth,
Low-Temperature and High-Pressure Structural Behavior of $\text{NaBi}(\text{MoO}_4)_2$ — an X-ray Diffraction Study.
J. Solid State Chem. **178**₇ (2005) 2218–24. [DOI]
228. **R. WAWRYK**, **A. WOJAKOWSKI**, **A. PIETRASZKO**, **Z. HENKIE**,
Crystal Growth, Structure and Electrical Properties of Thorium Phosphorosulfide.
Solid State Commun. **133**₅ (2005) 295–300. [DOI]
229. M.Wojtas, R.Jakubas, **J. BARAN**,
Vibrational Study of the Ferroelastic Phase Transition in $[(\text{CH}_3)_4\text{P}]_3[\text{Bi}_2\text{Cl}_9]$ and $[(\text{CH}_3)_4\text{P}]_3[\text{Bi}_2\text{Br}_9]$.
Vibr. Spectr. **39**₁ (2005) 23–30. [DOI]
230. **P. WRÓBEL**, **A. MACIĄG**, R.Eder,
ARPES Spectra from Bond-Centered Stripe Phase of Moderately Doped Cuprates.
J. Supercond. **18**_{5/6} (2005) 809–812. [DOI]
4th Int.Conf.on Nanoscale Homogeneity and Quantum Phenomena in Complex Matter, ROME, IT, 2004.09 26 –.10 01
231. **J. WRZYSZCZ**, **H. GRABOWSKA**, **M. ZAWADZKI**, **L. KĘPINSKI**, **L. KRAJCZYK**,
A Method to Produce Porous Platinum Film. Simple Route Giving High Purity Film of Varying Thickness.
Platinum Met. Rev. **49**₃ (2005) 138–40. [DOI]
232. DongLi Xu, DongFeng Xue, H. RATAJCZAK,
Morphology and Structure Studies of KDP and ADP Crystallites in the Water and Ethanol Solutions.
J. Mol. Struct. **740**_{1–3} (2005) 37–45. [DOI]
233. D.F.Xue, H. RATAJCZAK,
Effect of Hydrogen Bonds on Physical Properties of Ammonium Dihydrogenphosphate Crystals.
J. Mol. Struct. **716**_{1–3} (2005) 207–10 [THEOCHEM]. [DOI]
234. **T.A. ZALESKI**, **T.K. KOPEĆ**,
Dependence of the Superconducting Critical Temperature on the Number of Layers in Homologous Series of High- T_c Cuprates.
Phys. Rev. B **71** (2005) 01 4519 (14). [DOI]
235. I.Zareba-Gródź, **W. MIŚTA**, A.Sikora, T.Gotszalk, **W. STRĘK**, **K. HERMANOWICZ**, K.Maruszewski,
Textural Properties of Silica-Based Organic–Inorganic Polymer Hybrid Xerogels.
Mater. Sci. (Poland) **23**₁ (2005) 147–58.

236. **M. ZAWADZKI**,
Zinc Aluminate and Platinum Nanoparticles Prepared under Microwave-Assisted Solvothermal Conditions as Catalyst Precursor.
Pol. J. Environ. Stud. **14** Suppl. IV (2005) 159–62.
 5th Int.Conf.on Catalysis and Adsorption in Fuels Processing and Environmental Protection, KUDOWA-Zdrój, PL, 2005.09 14–17
237. **M. ZAWADZKI, H. GRABOWSKA**,
The Influence of the Preparation Method on the Properties of Mg,Fe-Mixed Oxide System.
Pol. J. Environ. Stud. **14** Suppl. IV (2005) 147–50.
 5th Int.Conf.on Catalysis and Adsorption in Fuels Processing and Environmental Protection, KUDOWA-Zdrój, PL, 2005.09 14–17
238. Xu Zhang, DongFeng Xue, MeiNan Liu, H. RATAJCZAK, Dongli Xu,
Microscopically Structural Studies of Lithium Niobate Powders.
J. Mol. Struct. **754**_{1–3} (2005) 25–30. [DOI]
239. R.G.Zhbankov, M.R.Zhbankova, **J. BARAN, M. MARCHEWKA, H. RATAJCZAK**,
Anomalous High Intensity of Bands in the FTR-Spectra of Individual Kinds of Polymers.
J. Mol. Struct. **744-7** (2005.06 03) 585–7. [DOI]
 27th Eur.Conf.on Molecular Spectroscopy, CRACOW, PL, 2004.09 05–10
240. E.Zych, J.Trojan-Piegza, **L. KĘPIŃSKI**,
Homogeneously Precipitated Lu₂O₃:Eu Nanocrystalline Phosphor for X-ray Detection.
Sens. Actuat. B **109**₁ (2005) 112–18. [DOI]
 E-MRS Fall Meet.'04: Nanostructured Materials and Nanotechnologies for New Chemical Sensors and Alternative Energy Devices, WARSAW, PL, 2004.09 05–08

PUBLIKACJE W MATERIAŁACH KONFERENCYJNYCH
 PUBLICATIONS IN CONFERENCE MATERIALS

241. N.Bogdanova, B.Terzijska, **R. WAWRYK**,
Orthonormal Polynomial Approximation of Thermometric Functions for CERNOX–Ru–O₂ Composition Temperature Sensors.
 In: *Communication JINR Nr E11-2005-177* (Dubna: JINR 2005) pp. 1–7 [pr. in 2006].
 5th Int.Congr.on Mathematical Modelling, DUBNA, RU, 2002.09 30 –.10 06
242. G.S.Burkhanov, I.S.Tereshina, N.B.Kol'chugina, O.D.Chistyakov, E.A.Tereshina, **H. DRULIS, T. Palewski**,
Magnetic Parameters of R₂Fe₁₄B–H Systems Based on High-Purity Rare-Earth Metals.
 In: *Proceedings of Moscow International Symposium on Magnetism*, ed. by N.Perov & P.Sheverdyaeva (Moskva: Izd. Fizicheskogo Fakul'teta MGU 2005) pp. 228–31.
 Moscow Int.Symp.on Magnetism (MISM'05), MOSCOW, RU, 2005.06 25–30
243. **K. GOFRYK, D. KACZOROWSKI**, A.Leithe-Jasper, Yu.Grin,
Physical Properties of Rare-Earth-Based HEUSLER Phases REPdZ and REPd₂Z (Z = Sb, Bi).
 In: *Proc.24th Int.Conf.on Thermoelectrics*, (New York, NY: IEEE 2005) pp. 383–6.
 24th Int.Conf.on Thermoelectrics, CLEMSON, SC, US, 2005.06 19–23
244. **A. KOWAL, A. SZMYRKA-GRZEBYK, L. LIPIŃSKI, H. MANUSZKIEWICZ**,
Zarządzanie systemem jakości w Laboratorium Państwowego Wzorca Temperatury.
 [The Quality System in the State Laboratory of Temperature Standard.]
 In: *Materiały XXXVII Międzynarodowej Konferencji Metrologów 2005*, (b.w. 2005) pp. 203–10 [in Polish].
 XXXVII Międzynarod.Konf. Metrologów (MKM'05) [37th Polish Inter-Univ.Conf.of Metrologists] ZIELONA GÓRA, PL, 2005.09 05–07

245. **L. LIPIŃSKI, A. KOWAL, A. SZMYRKA-GRZEBYK, H. MANUSZKIEWICZ,**
Przejścia fazowe w azocie jako wtórne punkty termometryczne. [Phase Transitions in Nitrogen as Secondary Thermometric Fixed Points.]
 In: *Materiały XXXVII Międzyuczelnianej Konferencji Metrologów 2005*, (b.w. 2005) pp. 373–80 [in Polish].
XXXVII Międzyuczeln. Konf. Metrologów (MKM'05) [37th Polish Inter-Univ. Conf. of Metrologists]
 ZIELONA GÓRA, PL, 2005.09 05–07
246. **A. MECH, M. Karbowski, Z. GAJEK, J. Drożdżyński,**
Crystal-Field Analysis for U^{3+} Ions in Low Symmetry Sites of Three Uranium(III) Trichloride Hydrates.
 In: *Proc. of the Brian Wybourne Commemorative Meeting*, (Toruń: Ofic. Wydawn. Uniwersytetu im. Mikołaja Kopernika 2005) pp. ***_**.
Brian Wybourne Commemorative Meet., TORUŃ, PL, 2005.06 12–14
247. E.K. Nazarova, **A. J. ZALESKI, A. I. Zahariev,**
Doping Dependence of the Activation Energy in $Y_{0.8}Ca_{0.2}Ba_2Cu_3O_z$.
 In: *Nanoscience and Nanotechnology '05*, ed. by E. Balabanova & I. Dragieva (Sofia: Heron Press 2005) pp. ***_**.
6th Ann. Worksh.: "Nanoscience & Nanotechnology" [Workshop on Nanostructured Materials Application and Innovation Transfer] SOFIA, BG, 2004.1* **_**
248. **A. SZMYRKA-GRZEBYK, L. LIPIŃSKI,**
Czy jednostka temperatury wymaga re-definicji? [Does Unit of Temperature Need Re-definition?]
 In: *Materiały XXXVII Międzyuczelnianej Konferencji Metrologów 2005*, (b.w. 2005) pp. 77–82 [in Polish].
XXXVII Międzyuczeln. Konf. Metrologów (MKM'05) [37th Polish Inter-Univ. Conf. of Metrologists]
 ZIELONA GÓRA, PL, 2005.09 05–07
249. E. A. Терешина, И. С. Терешина, О. Д. Чистяков, Г. С. Бурханов, **W. IWASIECZKO, H. DRULIS,**
Особенности теплового расширения соединений $R_2Fe_{14}B$ ($R = Gd$ и Er) и их гидридов в области спин-переориентационных фазовых переходов.
 [Anomalies of the Thermal Conductivity of $R_2Fe_{14}B$ ($R = Gd$ and Er) Compounds and Their Hydrides in the Region of Spin-Reorientational Phase Transitions.]
 In: *Горный информационно-аналитический Бюллетень*, Темат. прилож.: *Функциональные материалы* (2005) pp. 475–82 [in Russian].
Конф.: Высокочистые материалы функционального назначения [Conf. on High-Purity Materials for Functional Application] SUZDAL' (Crimea) UA, 2004.10 10-14

LISTA PREZENTACJI KONFERENCYJNYCH
LIST OF CONFERENCE PRESENTATIONS

1. T.Aitasalo, **D. HRENIAK**, J.Hölsä, T.Laamanen, M.Lastusaari, J.Niittykoski, F.Pellé, **W. STRĘK**,
Persistent Luminescence of Ba₂MgSi₂O₇ : Eu²⁺. (P)
14th Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'05) BEIJING, CN,
2005.07 25–29
2. J.Amami, Y.Guyot, Ch.Goutaudier, G.Boulon, M.Ayadi, **D. HRENIAK**, **R. PAŻIK**, **W. STRĘK**,
**Second Harmonic Generation and Yb³⁺ Cooperative Emission as Unusual Ways to Probe Phase
Transitions in BaTiO₃ Sol–Gel Nanocrystals. (P)**
9ème colloque sur les lasers et l'optique quantique [9th Coll.on Lasers & Quantum Optics] DIJON, FR,
2005.09 07–09
3. J.Amami, Ch.Goutaudier, Y.Guyot, G.Boulon, M.Ayadi-Trabelsi, **D. HRENIAK**, **R. PAŻIK**,
W. STRĘK,
**Optical Probes for the Characterization of Phase Transitions in BaTiO₃ Perovskite
Nanocrystallites and Single Crystals. (P)**
2nd Int.Conf.on Physics of Laser Crystals (ICPLC 2005) YALTA (Crimea) UA, 2005.09 25–30
4. J.Amami, Ch.Goutaudier, Y.Guyot, G.Boulon, **D. HRENIAK**, **R. PAŻIK**, **W. STRĘK**,
**Optical Probes for the Characterization of Phase Transitions on BaTiO₃ Perovskite
Nano-crystallites and Single Crystals. (P)**
14th Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'05) BEIJING, CN,
2005.07 25–29
5. J.Amami, **D. HRENIAK**, Y.Guyot, **R. PAŻIK**, Ch.Goutaudier, G.Boulon, M.Ayadi, **W. STRĘK**,
**Second Harmonic Generation and Yb³⁺ Cooperative Emission Used as Structural Probes
in Size-Driven Cubic–Tetragonal Phase Transition in BaTiO₃ Sol–Gel Nanocrystals. (P)**
15th Int.Conf.on Dynamical Processes in Excited States of Solids (DPC'05) SHANGHAI, CN,
2005.08 01–05
6. T.K.Anh, N.Vu, L.D.Tuyen, L.T.K.Giang, **W. STRĘK**, L.Q.Minh,
**Synthesis Luminescence and Up-conversion Mechanism of Nanophosphors Sub-10 nm Doped with
Eu and Er Ions. (P) ***
14th Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'05) BEIJING, CN,
2005.07 25–29
7. T.V.Antropova, **J. BARAN**, T.Gavrilko, I.Gnatyuk, **T. MORAWSKA-KOWAL**, V.Melnik,
G.Puchkovska, V.Vorobjev,
**Interface Interactions and Optical Properties of Novel Photonic Nanocomposites Consisting
of Porous Glasses Doped with Organic Luminophore Molecules. (P)**
7th Semin.on Porous Glasses & Special Glasses (PGL 2005) SZKLARSKA PORĘBA, PL, 2005.09 10–14
8. Г.Р.Асатриан, В.С.Вихнин, Т.И.Максимова, **М. MAĆZKA**, **К. HERMANOWICZ**, **Ж. HANUZA**,
**ЭПР и оптические исследования сегнетоэластиков K₃Na(CrO₄)₂, активированных
молекулярными примесными ионами MnO₄²⁻. [EPR and Optical Spectroscopy of K₃Na(CrO₄)₂
Ferroelastics Activated by MnO₄²⁻ Molecular Impurity Ions.] (P)**
17th All-Russ.Conf.on the Physics of Ferroelectrics (VKS-17) PENZA, RU, 2005.06 26 –.07 01
9. L.M.Babkov, **J. BARAN**, N.A.Davydova, V.I.Mel'nik, K.E.Uspenskiy,
RAMAN Spectra of Metastable Phase of Benzophenone. (P)
8th Int.Conf.on Molecular Spectroscopy, ŁAĐEK-Zdrój, PL, 2005.09 13–18
10. L.M.Babkov, **J. BARAN**, N.A.Davydova, **A. PIETRASZKO**, K.E.Uspenskiy,
**Vibrational Spectra, X-Ray Analysis and Quantum Mechanical Modelling
of 2-Biphenylmethanol. (P)**
8th Int.Conf.on Molecular Spectroscopy, ŁAĐEK-Zdrój, PL, 2005.09 13–18

11. L.M.Babkov, **J. BARAN**, N.A.Davydova, **A. PIETRASZKO**, K.E.Uspenskiy,
Vibrational Spectra and Structure Modelling of the H-Complexes in 2-Biphenylmethanol Using B3LYP/6-31G(d) Method. (P)
Saratov Fall Meet. 2005: Laser Physics and Photonics, Spectroscopy and Molecular Modeling VI, SARATOV, RU, 2005.09 27–30
12. **J. BARAN**, N.A.Davydova, **M. DROZD**,
Structural Organizations in Supercooled Liquid 2-Biphenylmethanol. (P)
Int.Conf.on Physics of Liquid Matter: Modern Problems, KIEV, UA, 2005.05 27–31
13. **J. BARAN**, N.A.Davydova, **M. DROZD**, **A. PIETRASZKO**,
Detection of New Crystalline Phase in Supercooled Liquid 2-Biphenylmethanol. (P)
8th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18
14. **J. BARAN**, Yu.A.Pasechnik, K.V.Shportko, **M. TRZEBIATOWSKA-GUSOWSKA**, E.F.Venger,
RAMAN and FIR Reflection Spectroscopy of ZnP₂ and CdP₂ Single Crystals. (P)
8th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18
15. A.E.Baranovskiy, G.E.Grechnev, A.V.Logosha, I.V.Svechkarev, V.B.Filippov, N.Yu.Shitsevalova,
O.J. ŻOGAŁ, O.Eriksson,
Electronic Spectra and Magnetic Properties of RB₆, RB₁₂ and RB₂C₂ Borides. (P)
Eur.Conf. Physics of Magnetism (PM'05) POZNAŃ, PL, 2005.06 24–27
16. **A. BEDNARKIEWICZ**, Z.Drulis-Kawa, R.Wiglusz, J.Legendziewicz, G.Bugła-Płoskońska,
W.Doroszkiewicz, M.Haupt, **W. STRĘK**,
The Susceptibility of Bacteria to Photodynamic Inactivation with Lanthanide Complexes of chlorin e₆. (O)
Eur.Conf.on Biomedical Optics, MUNICH, DE, 2005.06 13–16
17. **A. BEDNARKIEWICZ**, **P. MAZUR**, **D. HRENIAK**, **W. STRĘK**,
Index of Refraction for Nano-Ceramic Materials. (P)
The European Materials Research Society 2005 Fall Meet., WARSAW, PL, 2005.09 05–09
18. **A. BEDNARKIEWICZ**, **W. STRĘK**,
Interstitial Single Fiber Multi-Decay-Probe for Light Dosimetry in Photodynamic Therapy: Modelling. (P)
Eur.Conf.on Biomedical Optics, MUNICH, DE, 2005.06 13–16
19. B.Belan, **J. STĘPIEŃ-DAMM**, R.Gladyshevskii, O.Bodak,
New Structure Type of Ternary Rare-Earth Cobalt Germanides. (P)
9th Int.Conf.on Crystal Chemistry of Intermetallic Compounds, L'VOV, UA, 2005.09 20–24
20. B.Białobok, **W. MIŚTA**, J.Trawczyński, B.Szyja,
Surface Properties of SrTiO₃ Doped with Alkali. (P)
Int.Symp.on Catalysis on Oxide-Type Materials, CRACOW, PL, 2005.11 17–19
21. B.Białobok, **W. MIŚTA**, J.Trawczyński, B.Szyja,
Effect of the Preparation Route on the Acid–Base Properties of SrTiO₃ Doped with Alkali Elements. (P)
XXXVII Og.pol.Kolokw. Katalityczne [37th All-Polish Colloq.on Catalysis] CRACOW, PL, 2005.03 15–18
22. B.Białobok, T.Rzadki, J.Trawczyński, **W. MIŚTA**, **M. ZAWADZKI**,
Catalytic Combustion of Soot over Alkali-Doped SrTiO₃. (C)
[2nd] Int.Symp.on Air Pollution Abatement Catalysis (APAC 2005) CRACOW, PL, 2005.09 21–24
23. T.Bodziony, S.M.Kaczmarek, **J. HANUZA**,
EPR and Optical Properties of LiNbO₃ : Yb, Pr Single Crystal. (P)
1st Int.Congr.on Optics and Optoelectronics, WARSAW, PL, 2005.08 28 –.09 20

24. T.Bodziony, S.M.Kaczmarek, **W. RYBA-ROMANOWSKI**, M.Berkowski,
EPR and Optical Properties of $\text{La}_3\text{Ga}_{5.5}\text{Ta}_{0.5}\text{O}_{14} : \text{Yb}^{3+}$ and Ho^{3+} Single Crystals. (P)
1st Int.Congr.on Optics and Optoelectronics, WARSAW, PL, 2005.08 28 –.09 20
25. **E. BUKOWSKA**, G.Dyl, **A. ZALESKI**, **T. PLACKOWSKI**,
Otrzymywanie i charakterystyka monokryształów nadprzewodników wysokotemperaturowych $\text{Pb}_2\text{Sr}_2\text{R}_{1-x}\text{Ca}_x\text{Cu}_3\text{O}_{8+d}$ ($R = \text{Y, Tb}$). [Single Crystal Growth and Characterization of High- T_c Superconductors $\text{Pb}_2\text{Sr}_2\text{R}_{1-x}\text{Ca}_x\text{Cu}_3\text{O}_{8+d}$ ($R = \text{Y, Tb}$).] (P)
XLVII Konwers. Krystalograficzne [47th Polish Crystallographic Meet.] WROCLAW, PL, 2005.06 30 –.07 01
26. **E. BUKOWSKA**, G.Dyl, **A.J. ZALESKI**, **C. SUŁKOWSKI**, **T. PLACKOWSKI**,
Otrzymywanie i charakterystyka monokryształów nadprzewodników wysokotemperaturowych $\text{Pb}_2\text{Sr}_2\text{R}_{1-x}\text{Ca}_x\text{Cu}_3\text{O}_{8+d}$ ($R = \text{Y, Tb}$). [Single Crystal Growth and Characterization of High- T_c Superconductors $\text{Pb}_2\text{Sr}_2\text{R}_{1-x}\text{Ca}_x\text{Cu}_3\text{O}_{8+d}$ ($R = \text{Y, Tb}$).] (P)
XI Kraj.Szk. Nadprzewodnictwa [11th Natl.Sch.of Superconductivity] KAZIMIERZ DOLNY, PL, 2005.09 25–29
27. **Z. BUKOWSKI**, **V.H. TRAN**, **D. BADURSKI**, **J. STĘPIEŃ-DAMM**, **C. SUŁKOWSKI**, **R. TROĆ**,
Electrical Transport Studies of $\text{UCu}_{0.9}\text{Sb}_2$ Single Crystals. (P)
35èmes Journées des Actinides, Schloß Weikersdorf, BADEN, AT, 2005.04 23–26
28. **Z. BUKOWSKI**, **V.H. TRAN**, **D. BADURSKI**, **J. STĘPIEŃ-DAMM**, **C. SUŁKOWSKI**, **R. Troć**,
Electrical Transport Studies of $\text{UCu}_{0.9}\text{Sb}_2$ Single Crystals. (P)
[Int.] Worksh.on Anomalous Phenomena in Strongly Correlated Electron Materials, WROCLAW, PL, 2005.05 19–21
29. G.S.Burkhanov, I.S.Tereshina, N.B.Kol'chugina, O.D.Chistyakov, E.A.Tereshina, **H. DRULIS**,
T.Palewski,
Magnetic Parameters of $R_2\text{Fe}_{14}\text{B-H}$ Systems Based on High-Purity Rare-Earth Metals.
Moscow Int.Symp.on Magnetism (MISM'05) MOSCOW, RU, 2005.06 25–30
30. P.Byszewski, R.Aleksiyko, M.Berkowski, J.Fink-Finowicki, R.Diduszko, W.Gębicki, **J. BARAN**,
K.Antonova,
IR and RAMAN Spectroscopy Correlation with the Structure of $(\text{La/Pr})_{1-x}(\text{Pr/Nd})_x\text{GaO}_3$ Solid Solution Crystals. (P)
8th Int.Conf.on Molecular Spectroscopy, WROCLAW & LADEK-Zdrój, PL, 2005.09 13–18
31. **T. CICHOREK**, A.Sanchez, P.Gegenwart, F.Weickert, **A. WOJAKOWSKI**, **Z. HENKIE**,
G.Auffermann, S.Paschen, R.Kniep, F.Steglich,
Two-Channel KONDO Effect in ThAsSe . (P)
[Int.] Worksh.on Anomalous Phenomena in Strongly Correlated Electron Materials, WROCLAW, PL, 2005.05 19–21
32. **T. CICHOREK**, F.Weickert, P.Gegenwart, F.Steglich, M.Schmidt, R.Niewa, G.Auffermann, R.Kniep,
A. WOJAKOWSKI, **Z. HENKIE**,
Two-Channel KONDO Problem in ThAsSe and its Derivatives. (C)
35èmes Journées des Actinides, Schloß Weikersdorf, BADEN, AT, 2005.04 23–26
33. **T. CICHOREK**, F.Weickert, P.Gegenwart, F.Steglich, M.Schmidt, R.Niewa, R.Kniep,
A. WOJAKOWSKI, **Z. HENKIE**,
Possible Two-Channel KONDO State in ThAsSe . (C)
Int.Conf.on Strongly Correlated Electron Systems (SCES'05) VIENNA, AT, 2005.07 26–30
34. **M. CISZEK**,
Prace nad zastosowaniami nadprzewodników w Japonii.
[Work on Application of Superconductors in Japan.] (L)
XI Kraj.Szk. Nadprzewodnictwa [11th Natl Sch.on Superconductivity] KAZIMIERZ DOLNY, PL, 2005.09 25–29

35. **M. CISZEK, A.J. ZALESKI,**
AC Transport Current and AC Magnetization Losses in Multifilamentary Bi2223/Ag Tapes with Different Mechanical Bending Stress. (P)
7th Eur.Conf.on Applied Superconductivity (EUCAS) VIENNA, AT, 2005.09 11–15
36. H.Ciurla, J.Michalski, **J. HANUZA, M. MAĆZKA,** T.Talik, Z.Talik,
Molecular Structure, IR and RAMAN Spectra as well as DFT Chemical Calculations for Alkylaminoacetylureas: Vibrational Characteristics of Dicarboxylimide Bridge. (P)
8th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18
37. B.Coqblin, **Z. KLETOWSKI,** V.Zlatic,
Thermoelectric Power and Thermal Conductivity of Heavy Fermion Systems. (*)
3rd Eur.Conf.on Thermoelectrics, NANCY, FR, 2005.09 01–02
38. M.Daldosso, J.Sokolnicki, **L. KĘPIŃSKI,** J.Legendziewicz, A.Speghini, M.Bettinelli,
Preparation and Optical Properties of Nanocrystalline Lu₂O₃ : Eu³⁺ Phosphors. (P)
14th Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'05) BEIJING, CN, 2005.07 25–29
39. A.T.Davidson, L.Valberg, P.D.Townsend, A.G.Kozakiewicz, T.E.Derry, J.D.Cominsc, **M. SUSZYŃSKA,**
The Effect of Impurities on TL Emission Wavelengths of NaCl Crystals. (P)
13th Int.Conf.on Radiation Effects in Insulators (REI-2005) SANTA FÉ, NM, US, 2005.08 28 –.09 02
40. **P. DEREŃ,** Ph.Goldner,
Green Up-conversion Emission in LaAlO₃ Crystal Doped with Holmium Ions. (C)
15th Int.Conf.on Dynamical Processes in Excited States of Solids (DPC'05) SHANGHAI, CN, 2005.08 01–05
41. **P. DEREŃ,**
Spectroscopic Characterization of LaAlO₃ Crystal Doped with Pr³⁺ Ions. (I)
14th Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'05) BEIJING, CN, 2005.07 25–29
42. **P. DEREŃ,**
Laser Induced Photoemission of Human Body – Diagnosis and Treatment. (L)
2nd Worksh.on Advanced Spectroscopy (ASPECT'05) KAZIMIERZ DOLNY, PL, 2005.09 29 –.10 02
43. **P. DEREŃ,** M.Węglarowicz, **P. MAZUR, W. STREK,**
Spectroscopic Properties of LaAlO₃ Nanocrystals Doped with Tb³⁺ and Eu³⁺ Ions. (L)
14th Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'05) BEIJING, CN, 2005.07 25–29
44. **G. DOMINIĄK-DZIK, W. RYBA-ROMANOWSKI,** J.Pisarska, W.A.Pisarski,
Spectral Properties and Dynamics of Luminescent States of Pr³⁺ and Tm³⁺ in Lead Borate Glasses Modified by PbF₂. (P)
14th Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'05) BEIJING, CN, 2005.07 25–29
45. **M. DROZD, J. BARAN,**
The Vibrational, DSC and DFT Theoretical Studies of Guanidinium Acrylic Acid Compound. (P)
8th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18
46. **M. DROZD, M.K. MARCHEWKA,**
The Time-Depending HARTREE–FOCK Theoretical Studies of NLO Properties in New Acid–Base Complexes. (P)
8th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18

47. **H. DRULIS**,
EPR Studies of Some High- T_c Superconducting Materials. (I)
21st Int.Conf.on Radio and Microwave Spectroscopy (RAMIS'05) BĘDLEWO (Poznań) PL,
 2005.04 24–28
48. **H. DRULIS, W. STREK**,
Wodór paliwem przyszłości. Ogniwa paliwowe. [Hydrogen as Fuel for the Future. Fuel Cells.] (I)
Kraj.Symp. „Nowe materiały dla ogniw paliwowych” [Polish Symp.on New Materials for Fuel Cells]
(CD NAFCELLS) WROCLAW, PL, 2005.01 29–29
49. R.Fedyk, **D. HRENIAK**, W.Łojkowski, **W. STREK**, H.Matysiak, E.Grzanka, S.Gierlotka, **P. MAZUR**,
Method of Preparation and Structural Properties of Transparent YAG Nanoceramics. (P)
1st Int. Laser Ceramic Symp. (E-MRS Fall Meeting 2005) WARSAW, PL, 2005.09 05–09
50. J.Fink-Finowicki, M.Berkowski, R.Diduszko, L.Vasylechko, B.Dabrowski, **A. BASZCZUK**, R.Aleksijko,
 P.Byzewski, R.Kikalejshvili, *.Domukhowska,
Badania strukturalne perowskitów $SrAl_{0.5}Ta_{0.5}O_3 : LaAlO_3 : CaAl_{0.5}Ta_{0.5}O_3$. [Crystal Structure
 Investigation of $SrAl_{0.5}Ta_{0.5}O_3 : LaAlO_3 : CaAl_{0.5}Ta_{0.5}O_3$ Perovskites.] (P)
XI Kraj.Szk. Nadprzewodnictwa [11th Natl.Sch.of Superconductivity] KAZIMIERZ DOLNY, PL,
 2005.09 25–29
51. A.F.Fuentes, E.Rodriguez-Reyna, L.G.Martinez-Gonzalez, **M. MAŁCZKA, J. HANUZA**, U.Amador,
**Room-Temperature Synthesis of Apatite-Type Lanthanum Silicates by Mechanical Milling
 of Constituent Oxides.** (L)
Int.Conf.on Solid State Ionics, BADEN-BADEN, DE, 2005.07 17–22
52. **A. GAĞOR, A. PIETRASZKO, M. DROZD**, M.Połomska, Cz.Pawlaczyk, D.Kaynts,
Structure and Phase Transitions in Superionic, Ferroelastic $Cu_6PS_5I_xBr_{1-x}$ Single Crystals,
($x = 0, 0.25, 0.5, 0.75, 1$). (P)
28th Int.Sch.on Ferroelectricity, SZKLARSKA POREBA, PL, 2005.09 19–23
53. **A. GAĞOR, A. PIETRASZKO**, D.Kaynts,
 Cu^+ Mobility in Superionic, Ferroelastic Cu_6PS_5I Single Crystal. (P)
20th Congr.& Gen.Assy of the International Union of Crystallography, FLORENCE, IT, 2005.08 23–31
54. **Z. GAJEK, R. LEMAŃSKI**,
Ground State Phase Diagrams in Extended 1D FALICOV–KIMBALL Model. (P)
[Int.] Worksh.on Anomalous Phenomena in Strongly Correlated Electron Materials, WROCLAW, PL,
 2005.05 19–21
55. Ya.Galadzhun, M.Dzevenko, V.Zaremba, **J. STEPIEŃ-DAMM**,
 **RE_6Ni_2In ($RE = Gd, Tb, Dy, Ho, Lu$) — The New Representatives of Ho_6O_2Ga Structure
 Type.** (P)
20th Congr.& Gen.Assy of the International Union of Crystallography, FLORENCE, IT, 2005.08 23–31
56. F.Garrido, L.Nowicki, A.Stonert, **A. PIETRASZKO**, E.Wendler,
 4He Channelling Studies of U_4O_9 . (P)
17th Int.Conf.on Ion Beam Analysis, SEVILLA, ES, 2005.06 26 –.07 01
57. **D. GNIDA, T. CICHOREK, A. WOJAKOWSKI, Z. HENKIE**,
Thermoelectric Power in ThAsSe. (P)
3rd Conf.on Concepts in Electron Correlation, HVAR, HR, 2005.09 30 –.10 05
58. **D. GNIDA, T. CICHOREK, A. WOJAKOWSKI, Z. HENKIE**,
Thermoelectric Power in ThAsSe (P)
Worksh.on Correlated Thermoelectric Materials, HVAR, HR, 2005.09 25–30

59. **D. GNIDA, Z. HENKIE, A. WOJAKOWSKI,**
Anisotropic Resistivity of Structural-Defects-KONDO Ferromagnet UPS. (P)
Semin.of Scientific Network "New Materials for Magnetoelctronics" (MAG-EL-MAT) BĘDLEWO
 (Poznań) PL, 2005.05 02–06
60. **D. GNIDA, Z. HENKIE, A. WOJAKOWSKI, T. CICHOREK,**
Thermoelectric Power in Off-Stoichiometric ThAsSe System. (P)
Int.Conf.on Strongly Correlated Electron Systems (SCES'05) VIENNA, AT, 2005.07 26–30
61. **D. GNIDA, Z. HENKIE, A. WOJAKOWSKI, C. MARUCHA, R. WAWRYK,**
Effect of Off-Stoichiometry on Transport Properties in Thorium Arsenoselenide. (P)
35èmes Journées des Actinides, Schloß Weikersdorf, BADEN, AT, 2005.04 23–26
62. **D. GNIDA, Z. HENKIE, A. WOJAKOWSKI, P. WIŚNIEWSKI, R. WAWRYK, C. MARUCHA,**
Anisotropy of Resistivity and Thermoelectric Power in Thorium Arsenoselenides. (P)
[Int.] Worksh.on Anomalous Phenomena in Strongly Correlated Electron Materials, WROCŁAW, PL,
 2005.05 19–21
63. P.Godlewska, **L. MACALIK, H.Ban-Oganowska, W. OGANOWSKI, J. HANUZA,**
**Sol–Gel Glass Doped with Europium(III) Complex of Picoline Acid N-Oxide — A New
 UV-Light Sensors.** (P)
8th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18
64. **K. GOFRYK, D. KACZOROWSKI,**
Magnetic and Transport Properties of UPdSb Ferromagnet. (P)
35èmes Journées des Actinides, Schloß Weikersdorf, BADEN, AT, 2005.04 23–26
65. **K. GOFRYK, D. KACZOROWSKI,**
Environmental Effect on the Thermoelectrical Properties of CePd₃Ga_x. (P)
Worksh.on Correlated Thermoelectric Materials, HVAR, HR, 2005.09 25–30
66. **K. GOFRYK, D. KACZOROWSKI, A.Leithe-Jasper, Yu.Grin,**
**Physical Properties of Rare-Earth-Based HEUSLER Phases REPdZ and REPd₂Z (Z = Sb,
 Bi).** (C)
24th Int.Conf.on Thermoelectrics, CLEMSON, SC, US, 2005.06 19–23
67. **K. GOFRYK, D. KACZOROWSKI, A.Leithe-Jasper, Yu.Grin,**
Be Careful with KONDO Effect. (P)
[Int.] Worksh.on Anomalous Phenomena in Strongly Correlated Electron Materials, WROCŁAW, PL,
 2005.05 19–21
68. J.Gościańska, I.Sobczak, I.Nowak, M.Ziółek, **J.M. JABŁOŃSKI, C.Verrier, P.Bazin, O.Marie,
 M.Daturi,**
Evidences for WGS and Reforming Properties of NbMCM-41 Materials. (P)
4th Int.Symp.on Nanoporous Materials, NIAGARA FALLS, Ont, CD, 2005.06 07–10
69. L.Grigorieva, D.Millers, A.Opalińska, R.Pielaszek, T.Strachowski, W.Łojkowski, **D. HRENIAK,
 W. STRĘK,**
**Luminescence of ZnO and ZrO₂ Nanopowders as Function of Grain Size and Method of
 Preparation.** (C)
Materials Research Society 2005 Spr.Meet., SAN FRANCISCO, CA, US, 2005.03 28 –.04 01
70. A.Gritsiv, P.Rogl, **D. KACZOROWSKI,**
Formation and Structural Chemistry of Actinide-Based Skutterudites. (P)
35èmes Journées des Actinides, Schloß Weikersdorf, BADEN, AT, 2005.04 23–26

71. L.D.Gulay, I.D.Olekseyuk, **M. WOŁCYRZ, J. STĘPIEŃ-DAMM, A. PIETRASZKO**,
Crystal Structures of the $RCuPbS_3$ ($R = Tb, Dy, Ho, Er, Tm, Yb$ and Lu) Compounds. (P)
XLVII Konwers. Krystalograficzne [47th Polish Crystallographic Meet.] WROCLAW, PL,
 2005.06 30 –.07 01
72. **M.A. GUSOWSKI, A. GĄGOR, M. TRZEBIATOWSKA-GUSOWSKA, W. RYBA-ROMANOWSKI**,
Crystallographic and Spectroscopic Properties of New Fluorides K_3GdF_6 and K_3YF_6 . (P)
8th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18
73. E.Guziewicz, T.Durakiewicz, C.G.Olson, J.J.Joyce, M.T.Butterfield, A.J.Arko, J.L.Sarrao,
A. WOJAKOWSKI,
Electronic Structure of Layered Uranium Compounds from Photoemission Spectroscopy. (C)
2nd Int.Worksh.on Surface Physics (IWSP-2005) Advanced and Bio-Materials (ECOSS-23 Satellite)
 POLANICA-Zdrój, PL, 2005.09 10–13
74. **Z. HENKIE, T. CICHOREK, R. WAWRYK, A. WOJAKOWSKI**, F.Steglich,
KONDO Phenomena of Structural Defects in $USbTe$ Ferromagnet. (P)
Eur.Conf.on Physics of Magnetism (PM'05) POZNAŃ, PL, 2005.06 24–27
75. **Z. HENKIE, R. WAWRYK, A. WOJAKOWSKI, T. CICHOREK**, F.Steglich,
Coherent Electronic Scattering in Orbital-KONDO Ferromagnet $UAs_{1-x}Se_{1+x}$. (P)
Int.Conf.on Strongly Correlated Electron Systems (SCES'05) VIENNA, AT, 2005.07 26–30
76. B.Hilczer, J.Kulek, M.Połomska, M.Kosec, B.Malič, **L. KĘPIŃSKI**,
Dielectric Relaxation in $K_{0.5}Na_{0.5}NbO_3$ –PVDF Composites. (P)
11th Int.Meet.on Ferroelectricity (IMF-11) Cataratas del IGUAZÚ / Foz do IGUAÇU, AR/BR,
 2005.09 05–09
77. **R. HORYŃ, E. BUKOWSKA, A. SIKORA**,
Phase Relations in La_2O_3 – Gd_2O_3 – CuO System at $950^\circ C$. (P)
XI Kraj.Szk. Nadprzewodnictwa [11th Natl.Sch.of Superconductivity] KAZIMIERZ DOLNY, PL,
 2005.09 25–29
78. A.Hreniak, J.Rybka, A.Gamian, **K. HERMANOWICZ, J. HANUZA**, K.Maruszewski,
**Biosensor Applications of Luminescence Depolarization Effects in Protein-Modified Silica Films
 Doped with Organic Luminophores.** (P)
14th Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'05) BEIJING, CN,
 2005.07 25–29
79. A.Hreniak, J.Rybka, **W. STRĘK**, K.Maruszewski,
**Luminescence Depolarization Effects in Protein-Modified SiO_2 – TiO_2 Films Doped with Organic
 Luminophores.** (P)
15th Int.Conf.on Dynamical Processes in Excited States of Solids (DPC'05) SHANGHAI, CN,
 2005.08 01–05
80. **D. HRENIAK**, R.Fedyk, **A. BEDNARKIEWICZ, W. STRĘK**, W.Łojkowski,
**Luminescence Properties of Nd:YAG Nanoceramics Prepared by Low Temperature High
 Pressure Sintering Method.** (P)
The European Materials Research Society 2005 Fall Meet., 1st Int. Laser Ceramic Symp.
 WARSAW, PL, 2005.09 05–09
81. **D. HRENIAK**, S.Gierlotka, W.Łojkowski, **W. STRĘK, P. MAZUR**, R.Fedyk, **R. PAŹIK**, A.Opalińska,
High-Pressure Induced Structural Decomposition of RE-Doped YAG Nanoceramics. (P)
The European Materials Research Society 2005 Fall Meet., 1st Int. Laser Ceramic Symp.
 WARSAW, PL, 2005.09 05–09

82. **D. HRENIAK**, J.Hölsä, M.Lastusaari, **W. STRĘK**,
Effect of Grain Size and Concentration of Active Ions on Structural and Optical Behavior of Eu³⁺-Doped Y₃Al₅O₁₂ Nanocrystallites. (P)
2005 Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'05) BEIJING, CN, 2005.07 25–29
83. **D. HRENIAK**, **P. MAZUR**, **W. STRĘK**, **P. DEREŃ**,
Luminescence Properties of Eu-Doped Y₃Al₅O₁₂ Nanopowders and Nanoceramics. (P)
14th Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'05) BEIJING, CN, 2005.07 25–29
84. **D. HRENIAK**, **R. PAŹIK**, **W. STRĘK**,
Nanomateriały dla ogniw paliwowych. [Nanomaterials for Fuel Cells.] (C)
Kraj.Symp.nt.: Nowe materiały dla ogniw paliwowych [Polish Symp.on New Materials for Fuel Cells] (CD NAFCELLS) WROCLAW, PL, 2005.01 29–29
85. **D. HRENIAK**, A.Speghini, **W. STRĘK**, M.Betinelli,
Luminescence Investigations of Nanostructured LiNbO₃ Doped with Eu³⁺. (P)
15th Int.Conf.on Dynamical Processes in Excited States of Solids (DPC'05) SHANGHAI, CN, 2005.08 01–05
86. T.T.Huong, T.K.Anh, M.H.Nam, C.Barthou, **W. STRĘK**, L.Q.Minh,
Preparation and Infrared Emission of Silica–Zirconia–Alumina Doped with Erbium for Planar Waveguide. (C)
14th Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'05) BEIJING, CN, 2005.07 25–29
87. T.I.Ivanova, M.V.Gavrilko, S.A.Nikitin, I.A.Ovchenkova, A.V.Morozkin, **D. BADURSKI**, K.P.Skokov,
A Magnetic and Crystallographic Study of New Ternary GdSc_xTi_{1-x}Ge Compounds. (P)
3rd Moscow Int.Symp.on Magnetism, MOSCOW, RU, 2005.06 26–30
88. **J. JANCZAK**, **R. KUBIAK**,
Stereochemistry of Halogenido-derivatives of Metalophthalocyanines of the Metals of the Main V Group of the Periodic System. (P)
XLVII Konwers. Krystalograficzne [47th Polish Crystallographic Meet.] WROCLAW, PL, 2005.06 30 –.07 01
89. **J. JANCZAK**, **R. KUBIAK**,
Synthesis and Structural Characterization of 2,4-Diamino-6R-1,3,5-Triazine Derivatives. (P)
XLVII Konwers. Krystalograficzne [47th Polish Crystallographic Meet.] WROCLAW, PL, 2005.06 30 –.07 01
90. A.Jeziarski, A.Szytuła, **D. KACZOROWSKI**,
Effect of Spin–Orbit Coupling on the Electronic Structure of Bismuthide YbAuBi. (P)
Semin.of Scientific Network “New Materials for Magnetoelctronics” (MAGELMAT) BĘDLEWO, PL, 2005.05 02–06
91. R.Kacprzyk, **W. MIŚTA**,
Surface Potential of Perforated Dielectric Layers. (P)
12th Int.Symp.on Electrets (ISE12) SALVADOR, BA, BR, 2005.09 11–14
92. **D. KACZOROWSKI**,
Solving Puzzles of the Itinerant Antiferromagnet UG_{a3}. (I)
5th Int.Symp.on Advanced Science Research, TOKAI (Ibaraki) JP, 2005.09 27–29
93. **D. KACZOROWSKI**, **A. CZOPNIK[†]**, **T. PLACKOWSKI**, **Z. KLETOWSKI**, **R. WAWRYK**,
V.Pluzhnikov,
Solving Puzzles of UG_{a3}. (C)
35èmes Journées des Actinides, Schloß Weikersdorf, BADEN, AT, 2005.04 23–26

94. **D. KACZOROWSKI**, M.Konyk, L.Romaka, A.Szytuła, O.Bodak,
Magnetic Characteristics of $R_2\text{CuGe}_6$ ($R = \text{Gd, Tb, Dy, Er}$) Ternary Compounds. (P)
9th Int.Conf.on Crystal Chemistry of Intermetallic Compounds, L'VOV, UA, 2005.09 20–24
95. A.Kario, A.Morawski, D.Kuzienko, T.Łada, **A.J. ZALESKI**, O.Biel, W.Haessler, P.Kovacs,
Nanoproszkowe dodatki węgla krzemu lub diamentu w roli centrów spinningu w zagęszczonych próbkach MgB_2 otrzymywanych metodami wysokociśnieniowymi. [*] (P)
XI Kraj.Szk. Nadprzewodnictwa [11th Natl Sch.on Superconductivity] KAZIMIERZ DOLNY, PL, 2005.09 25–29
96. **L. KĘPIŃSKI, L. KRAJCZYK, M. DROZD**,
Interfacial Reactions and Silicate Formation in Highly Dispersed $\text{Lu}_2\text{O}_3\text{--SiO}_2$ System. (P)
12th Int.Conf.on Electron Microscopy of Solids (EM2005) KAZIMIERZ DOLNY, PL, 2005.06 05–09
97. **Z. KLETOWSKI**,
Thermoelectric Power of the $RE\text{Sn}_3$ Compounds, where $RE = \text{La, Pr, Nd}$ and Gd . (P)
3rd Conf.on Concepts in Electron Correlation, HVAR, HR, 2005.09 30 –.10 05
98. **Z. KLETOWSKI**,
Thermoelectric Power of the $RE\text{Sn}_3$ Compounds, where $RE = \text{La, Pr, Nd}$, and Gd . (P)
[Int.] Worksh.on Anomalous Phenomena in Strongly Correlated Electron Materials, WROCŁAW, PL, 2005.05 19–21
99. **Z. KLETOWSKI**,
Thermoelectric Power of the $RE\text{Sn}_3$ Compounds, where $RE = \text{La, Pr, Nd}$ and Gd . (P)
Worksh.on Correlated Thermoelectric Materials, HVAR, HR, 2005.09 25–30
100. M.Klimczak, E.Talik, A.Winiarski, **R. TROĆ**,
Magnetic Properties of $R_5\text{Pd}_2$ -Type ($R = \text{Tb, Dy, Ho, Er}$) Compounds.
E-MRS 2005, Symposium B: Multi-Component Alloys and Intermetallic Compounds... and D: Magneto-electronics, WARSAW, PL, 2005.09 05–09
101. B.Klimesz, **G. DOMINIAK-DZIK, W. RYBA-ROMANOWSKI**,
 Nd^{3+} or Sm^{3+} -Doped Oxy-Fluoride Glass Based on $\text{GeO}_2\text{--PbO--PbF}_2$. Synthesis and Spectroscopic Properties. (P)
7th Semin.on Porous Glasses & Special Glasses (PGL 2005) SZKLARSKA POREBA, PL, 2005.09 10–14
102. **R. KLIMKIEWICZ**, K.Przybylski,
 MgZn and MnZn Ferrites — New Different Catalyst for Alcohols Transformations. (P)
Int.Symp.on Catalysis on Oxide-Type Materials, CRACOW, PL, 2005.11 17–19
103. N.B.Kolchugina, O.D.Chistyakov, G.S.Burkhanov, I.S.Tereshina, **W. SUSKI**, T.Palewski,
Low-Temperature Magnetic Properties of the TbPd and TbPd_3 Compounds. (P)
3rd Moscow Int.Symp.on Magnetism, MOSCOW, RU, 2005.06 26–30
104. S.Kolesnik, B.Dabrowski, J.Mais, M.Majjiga, **A. BASZCZUK**,
Tuning of Magnetic and Electronic States by Control of Oxygen Content in Lanthanum–Strontium Cobaltates. (P)
2005 March Meet. of the American Physical Society, LOS ANGELES, CA, US, 2005.03 21–25
105. J.Konopka, R.Jose, **M. WOŁCYRZ**,
Structural and Dielectric Properties of $\text{Ba}_2\text{YbTaO}_6$, Ba_2YSbO_6 and $\text{Ba}_2\text{EuZrO}_{5.5}$. (P)
Int.Worksh.on Weak Superconductivity (WWS'05) BRATISLAVA, SK, 2005.09 16–19
106. **T.K. KOPEĆ**,
Novel Quantum Criticality Due to the Emergent Topological Conservation Law in High- T_c Cuprates. (*)
Int.Conf.on Strongly Correlated Electron Systems (SCES'05) VIENNA, AT, 2005.07 26–30

107. **T.K. KOPEĆ**,
Topological Criticality on Brink of the MOTT Transition in High- T_c Superconductors. (P)
11th Natl Sch.: "Collective Phenomena and Their Competition" KAZIMIERZ DOLNY, PL, 2005.09 25–29
108. **A. KOWAL, A. SZMYRKA-GRZEBYK, L. LIPIŃSKI, H. MANUSZKIEWICZ**,
Zarządzanie systemem jakości w Laboratorium Państwowego Wzorca Temperatury. [The Quality System in the State Laboratory of Temperature Standard.] (C)
XXXVII Międzynarod. Konf. Metrologów (MKM'05) [37th Polish Inter-Univ. Conf. of Metrologists] ZIELONA GÓRA, PL, 2005.09 05–07
109. J.Kowalczyk, A.Lubińska, **M. WOŁCYRZ**,
Dyfrakcja proszkowa jako metoda kontroli procesu otrzymywania nanowymiarowego $\text{La}_{0.8}\text{Sr}_{0.2}\text{CrO}_3$ metodą glicynową. [*] (P)
XLVII Konwers. Krystalograficzne [47th Polish Crystallographic Meet.] WROCŁAW, PL, 2005.06 30 –.07 01
110. **L. KRAJCZYK, J.M. JABŁOŃSKI, M.Nyk, W. STRĘK, J.Misiewicz**,
TEM Study of Indium and Gallium Nitride Nanocrystals in Silica Glasses Obtained by the Sol–Gel Method. (P)
12th Int. Conf. on Electron Microscopy of Solids (EM2005) KAZIMIERZ DOLNY, PL, 2005.06 05–09
111. **L. KRAJCZYK, M. SZMIDA, B. MACALIK, M. SUSZYŃSKA**,
Structure and Mechanical Properties of Copper-Doped Glasses Prepared by Ion-Exchange. (P)
XLVII Konwers. Krystalograficzne [47th Polish Crystallographic Meet.] WROCŁAW, PL, 2005.06 30 –.07 01
112. **T. KRZYSZTOŃ**,
Dynamics of the Magnetic Flux Peculiar to Antiferromagnetic Superconductors. (P)
11th Natl Sch.: "Collective Phenomena and Their Competition" KAZIMIERZ DOLNY, PL, 2005.09 25–29
113. **R. KUBIAK, A. WAŚKOWSKA, M. ŚLEDŹ, A.Jeziński**,
Synthesis, X-ray Structure[s] and Characterization of Beryllium Phthalocyanine [and (2-Ethoxyethanol)-Aqua-Beryllium Phthalocyanine]. (P)
XLVII Konwers. Krystalograficzne [47th Polish Crystallographic Meet.] WROCŁAW, PL, 2005.06 30 –.07 01
114. E.Kucharska, **J. HANUZA, M. MAĆZKA, T.Talik**,
Vibrational Spectra, DFT Chemical Quantum Calculations and Conformation of the Azo-Bond in 5, 5'-Dinitro-2, 2'-Azobipyridine and Its 3, 3'- and 6, 6'-Dimethyl Derivatives. (P)
8th Int. Conf. on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18
115. E.Kucharska, J.Michalski, **J. HANUZA, M. MAĆZKA, T.Talik**,
Vibrational Spectra, DFT Chemical Quantum Calculations and Conformation of the Azo-Bond in 2-Phenylazo-5-Nitro-Pyridine and Its 3-or 4-or 6-Methyl Isomers. (P)
8th Int. Conf. on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18
116. D.Kuzmenko, A.Morawski, T.Łada, T.Mazur, R.Diduszko, **A.J. ZALESKI, D.Kolesnikov**,
Properties of Bulk MgB_2 Doped with Nano SiC or Diamond *in situ* Synthesized from MgH_2 and Amorphous B Using HP and HIP Methods. (P)
7th Eur. Conf. on Applied Superconductivity (EUCAS) VIENNA, AT, 2005.09 11–15
117. T.Łada, A.Morawski, A.Presz, T.Mazur, D.Kuzmenko, R.Diduszko, **A.J. ZALESKI, K.Przybylski**,
Superconducting and Microstructural Properties of Commercial MgB_2 *ex-situ* Doped with Nano SiC or Diamond after HP and HIP Processing. (P)
7th Eur. Conf. on Applied Superconductivity (EUCAS) VIENNA, AT, 2005.09 11–15
118. **R. LEMAŃSKI**,
Charge and Magnetic Order Induced by Local COULOMB and HUND Interactions. (P)
3rd Conf. on Concepts in Electron Correlation, HVAR, HR, 2005.09 30 –.10 05

119. **R. LEMAŃSKI,**
Magnetic Properties of Correlated Electrons. (C)
Eur.Conf.on Physics of Magnetism (PM'05) POZNAŃ, PL, 2005.06 24–27
120. **R. LEMAŃSKI,**
Correlated Electrons in External Magnetic Fields. (L)
[Int.] Worksh.on Anomalous Phenomena in Strongly Correlated Electron Materials, WROCLAW, PL, 2005.05 19–21
121. **R. LEMAŃSKI,**
Charge and Magnetic Order Induced by Local COULOMB and HUND Interactions. (P)
Worksh.on Correlated Thermoelectric Materials, HVAR, HR, 2005.09 25–30
122. **L. LIPIŃSKI, A. KOWAL, A. SZMYRKA-GRZEBYK, H. MANUSZKIEWICZ,**
Przejścia fazowe w azocie jako wtórne punkty termometryczne. [Phase Transitions in Nitrogen as Secondary Thermometric Fixed Points.] (C)
XXXVII Międzynuczeln.Konf. Metrologów (MKM'05) [37th Polish Inter-Univ.Conf.of Metrologists] ZIELONA GÓRA , PL, 2005.09 05–07
123. **R. LISIECKI, W. RYBA-ROMANOWSKI,**
Blue Up-conversion with Excitation into Tm Ions at 808 nm in YVO₄ Crystals Co-doped with Thulium and Ytterbium. (P)
8th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18
124. **R. LISIECKI, P. SOLARZ, G. DOMINIĄK-DZIK, W. RYBA-ROMANOWSKI, T.Łukasiewicz,**
Optical Losses in the YVO₄ : RE (RE = Nd³⁺, Er³⁺, Tm³⁺) Laser Crystals. (L)
14th Int. Laser Physics Worksh., KYOTO, JP, 2005.07 04–08
125. J.Lorenc, L.Dymińska, **J. HANUZA, A. WAŚKOWSKA, T.Talik, M. MAĆZKA,**
Vibrational Study and Dynamics, X-ray and Molecular Structure of 1H-Imidazo[4,5-b] Pyridine and its Methyl-Derivatives Based on DFT Chemical Quantum Calculations. (P)
8th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18
126. J.Lorenc, **J. HANUZA, T.Talik, M. MAĆZKA, Abudelrhman F.A.Mohmed,**
IR and RAMAN Spectra, Vibrational Dynamics and Molecular Structure of 1H-Triazolo[4,5-b] Pyridine and Its Methyl-Derivatives Based on DFT Chemical Quantum Calculations. (P)
8th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18
127. **B. MACALIK, M. SUSZYŃSKA, E.Rysiakiewicz-Pasek, T. MORAWSKA-KOWAL, J. OKAL,**
Spectroscopic and Dielectric Characteristics of Nickel-Doped Porous Silica Glasses. (P)
7th Semin.on Porous Glasses & Special Glasses (PGL 2005) SZKLARSKA POREBA, PL, 2005.09 10–14
128. **L. MACALIK,**
Vibrational Characteristics of the Double Oxygen Bridge in the KY(MoO₄)₂ Molybdates with Scheelite Structure. (P)
10th Eur.Conf.on Solid State Chemistry, SHEFFIELD, Engl, UK, 2005.08 29 –.09 01
129. **A. MACIĄG, P. WRÓBEL,**
Asymmetric Tunneling Conductance in Doped Antiferromagnets. (P)
11th Natl Sch.: "Collective Phenomena and Their Competition" KAZIMIERZ DOLNY , PL, 2005.09 25–29
130. **A. MACIĄG, P. WRÓBEL,**
Bond Order in the Stripe Phase of Cuprates at the Hole Doping Level 1/8. (P)
10th Train.Course in the Physics of Correlated Electron Systems and High-T_c Superconductors, VIETRI-SUL-MARE (Salerno) IT, 2005.10 03–14

131. **A. MACIĄG, P. WRÓBEL,**
Mixed Singlet–Triplet Superconducting State in Doped Antiferromagnets. (P)
Eur.Conf. Physics of Magnetism (PM'05) POZNAŃ, PL, 2005.06 24–27
132. **A. MACIĄG, P. WRÓBEL, R. EDER,**
Bond-Ordered, Bond-Centered Stripes in Cuprates. (P)
Eur.Conf. Physics of Magnetism (PM'05) POZNAŃ, PL, 2005.06 24–27
133. **M. MAĆZKA, P.T.C.Freire, F.E.A.Melo, V.Lemos, J.Mendes Filho, J. HANUZA,**
Pressure-Induced Phase Transitions in $\text{KFe}(\text{MoO}_4)_2$. (P)
Eur. High Pressure Conf.: Joint 20th AIRAPT & 43th EHPRG, KARLSRUHE, DE, 2005.06 27 –.07 01
134. **M. MAĆZKA, S.Kojima, L. MACALIK, J. HANUZA,**
Study of Acoustic and Optic Soft Phonons in $\text{CsBi}(\text{MoO}_4)_2$. (P)
Worksh.on Phonon Spectroscopy, PUSZCZYKOWO, PL, 2005.05 19–21
135. **M. MAĆZKA, A. WAŚKOWSKA, J. HANUZA,**
 $\text{Rb}_2\text{MgWO}_2(\text{PO}_4)_2$ – A New Framework Material: Structure and Vibrational Properties. (P)
XLVII Konwers. Krystalograficzne [47th Polish Crystallographic Meet.] WROCŁAW, PL,
 2005.06 30 –.07 01
136. T.Maksimova, G.R.Akatrian, V.C.Vihnin, A.P.Skvorcov, **M. MAĆZKA, K. HERMANOWICZ, J. HANUZA,**
Optical Properties and EPR Spectra of Ferroelastics $\text{K}_3\text{Na}(\text{CrO}_4)_2$ Doped with Molecular Ions MnO_4^{2-} . (L)
23th Conf.on Spectroscopy, ZVIENIGOROD (Moscow) RU, 2005.10 17–21
137. T.Maksimova, **K. HERMANOWICZ, J. HANUZA,**
Absorption and Luminescence of Nanoclusters in Cubic Crystals. (P)
7th Int.Conf.on Opto-Nanoelectronics, Nanotechnology and Microsystems, ULYANOVSK, RU,
 2005.08 **_**
138. T.Maksimova, **K. HERMANOWICZ, M. MAĆZKA, J. HANUZA,**
Synthesis and Optical Spectroscopy of MnO_4^{2-} -Doped Proper Ferroelectric $\text{K}_3\text{Na}(\text{CrO}_4)_2$. (P)
10th Eur.Conf.on Solid State Chemistry, SHEFFIELD, E, UK, 2005.08 29 –.09 01
139. **M. MAŁECKA, L. KĘPIŃSKI,**
Synthesis and Interaction of Lanthanide Oxide Nanoparticles of with Amorphous SiO_2 . (P)
E-MRS 2005 Fall Meeting, 1st Int. Laser Ceramics Symp., WARSAW, PL, 2005.09 05–09
140. **M. MAŁECKA, L. KĘPIŃSKI,**
Powstawanie nanokrystalitów La_2O_3 o strukturze regularnej w transmisyjnym mikroskopie elektronowym. [*] (P)
XLVII Konwers. Krystalograficzne [47th Polish Crystallographic Meet.] WROCŁAW, PL,
 2005.06 30 –.07 01
141. **M.K. MARCHEWKA,**
New Acid–Base Crystalline Complexes with Interesting Physical Properties (SHG, PT). (I)
8th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18
142. **M. MATUSIAK,**
The Electronic Thermal Transport in the $\text{EuBa}_2\text{Cu}_3\text{O}_y$ Superconductor. (P)
XI Kraj.Szk. Nadprzewodnictwa [11th Natl Sch.on Superconductivity] KAZIMIERZ DOLNY, PL,
 2005.09 25–29
143. **A. MECH,**
Crystal Structure and Optical Properties of $\text{Nd}(\text{hfa})_4\text{N}(\text{C}_2\text{H}_5)_4\cdot\text{H}_2\text{O}$. (P)
8th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18

144. **A. MECH**, M.Karbowiak, **Z. GAJEK**, J.Drożdżyński,
Crystal-Field Analysis for U^{3+} Ions in Low Symmetry Sites of Three Uranium(III) Trichloride Hydrates. (P)
Konf.pośw.pamięci Briana Wybourne'a: Symetria, Spektroskopia, Schur [Brian Wybourne Commemorative Conf.] TORUŃ, PL, 2005.06 12–14
145. **A. MECH**, **A. PIETRASZKO**,
Synthesis, Crystal Structure, Optical Properties and Thermal Behavior of Novel Ytterbium(III) Tetrakis Complex with Hexafluoroacetylacetonate. (P)
8th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18
146. **A. MECH**, **A. PIETRASZKO**, **P. SOLARZ**,
Wpływ jonu kompensującego ładunek na strukturę krystaliczną i własności spektroskopowe związków kompleksowych Eu^{3+} . [*] (P)
XLVII Konwers. Krystalograficzne [47th Polish Crystallographic Meet.] WROCŁAW, PL, 2005.06 30 –.07 01
147. M.Mihalik, K.Flachbart, S.Gabáni, M.Mihalik, P.Rogl, **R. TROĆ**,
Thermal Properties of $U_3Al_2Si_3$ Single Crystal. (P)
Eur.Conf.on Physics of Magnetism (PM'05) POZNAŃ, PL, 2005.06 24–27
148. M.Mihalik, V.Kavečanský, A.S.Panfilov, **K. WOCHOWSKI**, **R. TROĆ**,
Alloying and Magnetovolume Effect in $(U_{1-x}Th_x)_3Al_2M_3$. (P)
35èmes Journées des Actinides, Schloß Weikersdorf, BADEN, AT, 2005.04 23–26
149. **H. MISIOREK**, **J. MUCHA**, **A. JEŻOWSKI**, L.S.Parfeneva, I.A.Smirnov, B.I.Smirnov,
F.M.Varela-Feria, J.Martinez-Fernandez, A.R.de Arellano-Lopez,
Heat and Electrical Transport in New Composites SiC/Si–Canal-Type Ecoceramics. (P)
17th Eur.Conf.on Thermophysical Properties, BRATISLAVA, SK, 2005.09 05–08
150. **W. MIŚTA**, R.Kacprzyk, M.Bartkowiak,
Decomposition of Toluene Using an Atmospheric-Pressure Non-Thermal Plasma Reactor at Room Temperature. (P)
5th Int.Conf.on Catalysis and Adsorption in Fuels Processing and Environmental Protection, KUDOWA-Zdrój, PL, 2005.09 14–17
151. **W. MIŚTA**, R.Kacprzyk, W.Witkowski,
Decomposition of Benzene by Using a Plasma Reactor with Back Corona. (P)
5th Int.Conf.on Catalysis and Adsorption in Fuels Processing and Environmental Protection, KUDOWA-Zdrój, PL, 2005.09 14–17
152. **W. MIŚTA**, R.Kacprzyk, W.Witkowski,
Usuwanie śladów benzenu z powietrza w reaktorze plazmowym z elektrodą pokrytą dielektrykiem. [Elimination of Benzene Traces from Air in Plasma Reactor with Electrode Covered by Dielectric Material.] (P)
XXXVII Og.pol.Kolokw. Katalityczne [37th All-Polish Colloq.on Catalysis] CRACOW, PL, 2005.03 15–18
153. **W. MIŚTA**, **L. KĘPIŃSKI**,
Characterization of Titania–Silica Mixed Oxide Mesoporous Materials Prepared by Sol–Gel–Template Method. (P)
Int.Symp.on Catalysis on Oxide-Type Materials, CRACOW, PL, 2005.11 17–19
154. **W. MIŚTA**, T.Rayment,
In-situ XRD Study of Red–Ox Properties of CeO_2 – ZrO_2 Mixed Oxides under Control Atmosphere. (P)
Int.Worksh. "Watching the Action": Powder Diffraction at Non-Ambient Conditions, STUTTGART, DE, 2005.10 06–07

155. **W. MIŚTA**, H.Teterycz, **R. KLIMKIEWICZ**, N.Güngör, S.Ioçi, E.Günister,
Sepiolite-Supported Zirconia–Silver Catalyst for Soot Combustion. (P)
XXXVII Og.pol.Kolokw. Katalityczne [37th All-Polish Colloq.on Catalysis] CRACOW, PL,
2005.03 15–18
156. **W. MIŚTA**, J.Trawczyński,
Characterization and Catalytic Activity of MnO_x/Al₂O₃ Catalysts. (P)
Int.Symp.on Catalysis on Oxide-Type Materials, CRACOW, PL, 2005.11 17–19
157. A.Morawski, W.Pachla, D.Kuzmenko, T.Łada, **A.J. ZALESKI**, O.Eibl, W.Haessler, P.Kovacs,
Nanosized Polder Additives of SiC and Diamond to MgB₂. (P)
24th Int.Conf.on Low Temperature Physics (LT-24) ORLANDO, FL, US, 2005.08 10–17
158. M.Nyk, R.Kudrawiec, **W. STRĘK**, J.Misiewicz,
Synthesis and Optical Properties of Eu³⁺ and Tb³⁺-Doped GaN Nanocrystallites. (P)
The Europ. Materials Research Society 2005 Spring Meet., STRASBOURG, FR, 2005.05 31 –.06 03
159. M.Nyk, R.Kudrawiec, **W. STRĘK**, J.Misiewicz,
**Structure and Optical Properties of MOVPE and HVPE GaN Films Grown on GaN
Nanocrystalline Powder Substrate.** (P)
X Semin. Powierzchni i Struktury Cienkwarstwowej [10th Semin.on Surface and Thin-Film Structure]
SZKLARSKA PORĘBA, PL, 2005.05 17–21
160. **J. OKAL**, **L. KRAJCZYK**, **M. ZAWADZKI**,
Struktura i adsorpcyjne właściwości koloidalnego rutenu osadzonego na Al₂O₃. [Structure and
Adsorptive Properties of Colloidal Ruthenium Deposited on Al₂O₃.] (P)
XXXVII Og.pol.Kolokw. Katalityczne [37th All-Polish Colloq.on Catalysis] CRACOW, PL,
2005.03 15–18
161. I.A.Ovtchenkova, S.A.Nikitin, T.I.Ivanova, G.A.Tskhadadze, O.D.Chistyakov, **D. BADURSKI**,
Magnetocaloric Effect and Magnetoresistance in Gd_xLa_{1-x}MnSi Compounds. (P)
3rd Moscow Int.Symp.on Magnetism, MOSCOW, RU, 2005.06 26–30
162. N.Yu.Pankratov, S.A.Nikitin, **W. IWASIECZKO**, **H. DRULIS**, K.P.Skokov, Yu.G.Pastushenkov,
N.Harutjunjan, J.Lyubina, O.Gutfleisch, A.Handstein, K.-H.Müller,
Spin-Reorientation Transitions in Nd₂(Fe,Co)₁₄B Compounds and Their Hydrides. (P)
3rd Moscow Int.Symp.on Magnetism, MOSCOW, RU, 2005.06 26–30
163. **M. PAŚCIAK**, **M. WOŁCYRZ**, **A. PIETRASZKO**, **L. KĘPIŃSKI**,
**Rozpraszanie dyfuzyjne w kryształach PST: od modelu oddziaływań fizycznych do efektów
dyfrakcyjnych.** [Diffusive Scattering in PST Crystals: From the Model of Physical Interactions to Diffraction
Effects.] (L)
XLVII Konwers. Krystalograficzne [47th Polish Crystallographic Meet.] WROCŁAW, PL,
2005.06 30 –.07 01
164. **S. PASZKOWSKI**,
Obliczanie całki HARRISONA. [Evaluation of a HARRISON Integral.] (C)
XXXIV Og.pol.Konf. Zastosowań Matematyki [34th All-Polish Conf.on Mathematics Applications]
ZAKOPANE, PL, 2005.09 12–20
165. **R. PAŻIK**,
**Structural and Luminescence Properties of Nanocrystalline Eu³⁺-Doped Ba_{1-x}Sr_xTiO₃ (BST)
Prepared by Different Methods.** (P)
Int.Sch.of Atomic and Molecular Spectroscopy, ERICE (Sicily) IT, 2005.06 06–21
166. **R. PAŻIK**, **D. HRENIAK**, **W. STRĘK**, **G. PAŚCIAK**, J.Chmielowiec, W.Łojkowski,
Preparation and Electrical Properties of the Ba–TiO₃ Nanoceramics. (P)
The European Materials Research Society 2005 Fall Meet., WARSAW, PL, 2005.09 05–09

167. **R. PAŹIK, D. HRENIAK, W. STRĘK**, A.Speghini, M.Bettinelli,
Structural and Luminescence Properties of Eu³⁺-Doped Ba_xSr_{1-x}TiO₃ (BST) Nanocrystalline Powders Prepared by Different Methods. (P)
1st Int.Worksh.on Photoluminescence in Rare Earths (PRE'05) TRENTO, IT, 2005.05 02–03
168. **A. PIETRASZKO**,
X-ray Study of Short Range Order Using Diffuse Scattering. (I)
VI Kraj.Symp. Użytkowników Promieniowania Synchrotronowego [6th Natl Symp.of Synchrotron Radiation Users] WARSAW, PL, 2005.09 08–09
169. **A. PIETRASZKO, M. PAŚCIAK, M. WOŁCYRZ**,
Local Order in the PSN, PST and PSNT Ferroelectric Relaxors. (P)
20th Congr.& Gen.Assy of the International Union of Crystallography, FLORENCE, IT, 2005.08 23–31
170. **A. PIETRASZKO, M. PAŚCIAK, M. WOŁCYRZ**,
Local Order in the PST Ferroelectric Relaxors. (P)
28th Int.Sch.on Ferroelectricity, SZKLARSKA PORĘBA, PL, 2005.09 19–23
171. **A.P. PIKUL, D. KACZOROWSKI, Z. BUKOWSKI, K. GOFRYK**, U.Burkhardt, Yu.Grin, F.Steglich,
Stable 4f1 Configuration of Cerium in Single-Crystalline CePt₄In. (P)
[Int.] Worksh.on Anomalous Phenomena in Strongly Correlated Electron Materials, WROCŁAW, PL, 2005.05 19–21
172. J.Pisarska, W.A.Pisarski, **G. DOMINIAK-DZIK, W. RYBA-ROMANOWSKI**,
Spectroscopic Investigations of Nd³⁺ Ions in PbO–B₂O₃–Al₂O₃–WO₃ Glasses. (P)
8th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18
173. J.Pisarska, **W. RYBA-ROMANOWSKI, G. DOMINIAK-DZIK**, T.Goryczka, W.A.Pisarski,
Energy Transfer from Yb to X (X = Tm, Er) in Lead Borate Glasses. (P)
7th Semin.on Porous Glasses & Special Glasses (PGL 2005) SZKLARSKA PORĘBA, PL, 2005.09 10–14
174. W.A.Pisarski, J.Pisarska, **M. MAĆZKA, W. RYBA-ROMANOWSKI**,
Europium-Doped Lead Fluoroborate Glasses: Structural, Thermal and Optical Investigation. (P)
8th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18
175. **T. PLACKOWSKI**,
Magnetocaloric Effect in YBa₂Cu₃O₇ Single Crystal. (I)
XI Kraj.Szk. Nadprzewodnictwa [11th Natl Sch.on Superconductivity] KAZIMIERZ DOLNY, PL, 2005.09 25–29
176. **T. PLACKOWSKI**,
Magnetyczne ciepło właściwe. [Magnetic Specific Heat.] (I)
XXXVIII Zj. Fizyków Polskich [38th Congr.of Polish Physicists] WARSAW, PL, 2005.09 11–16
177. **T. PLACKOWSKI, D. KACZOROWSKI, Z. BUKOWSKI, J. SZNAJD**,
Specific Heat and Isothermal Magnetocaloric Effect in UNi_{0.5}Sb₂. (P)
[Int.] Worksh.on Anomalous Phenomena in Strongly Correlated Electron Materials, WROCŁAW, PL, 2005.05 19–21
178. A.Podhorodecki, M.Nyk, R.Kudrawiec, J.Misiewicz, **W. STRĘK**,
Optical Properties of Eu-Doped GaN Nanocrystalline Powders. (P)
34th Int.Sch.on the Physics of Semiconducting Compounds, JASZOWIEC, PL, 2005.06 04–10
179. K.Przepiera, **R. KLIMKIEWICZ**, A.Przepiera, J.Wolska, M.Jabłoński,
Zastosowanie ZnFe₂O₄ jako katalizatora w przemianach alkoholi pierwszorzędowych. [Application of ZnFe₂O₄ as Catalyst for Primary Alcohols Transformation.] (P)
XXXVII Og.pol.Kolokw. Katalityczne [37th All-Polish Colloq.on Catalysis] CRACOW, PL, 2005.03 15–18

180. K.Przepiera, **R. KLIMKIEWICZ**, A.Przepiera, J.Wolska, M.Jabłoński,
Application of Nickel and Zinc Ferrites MeFe_2O_4 as New Ketonization Catalysts. (P)
Int.Symp.on Catalysis on Oxide-Type Materials, CRACOW, PL, 2005.11 17–19
181. G.Puchkovska, T.Bezrodna, I.Chashechnikova, T.Gavrilko, A.Tolochko, E.Shaydyuk, **J. BARAN**,
M. DROZD,
New Nanocomposition Materials: Organic Matrix-Organoclay Based on Montmorillonite. (L)
8th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18
182. **K. ROGACKI**,
Nadprzewodnictwo i magnetyzm — rywalizacja czy współistnienie? [Superconductivity and
Magnetism — Competition or Coexistence?] (I)
XXXVIII Zj. Fizyków Polskich [38th Congr.of Polish Physicists] WARSAW, PL, 2005.09 11–16
183. **W. RYBA-ROMANOWSKI**,
Spectroscopy of Laser Crystals. (I)
1st Symp.on Frontier Materials & Functional Engineering, MORIOKA, JP, 2005.06 27–**
184. **W. RYBA-ROMANOWSKI**,
Spectroscopic Properties of Nonlinear Optical Crystals Doped with Luminescent Ions. (I)
Worksh.on Functional Materials (FMA 2005-12-14) ATHENS, GR, 2005.09 25–30
185. **W. RYBA-ROMANOWSKI**, **P. SOLARZ**, **G. DOMINIAK-DZIK**, **M. GUSOWSKI**,
Luminescence and Excitation Energy Transfer in $\text{K}_5\text{Li}_2\text{GdF}_{10} : \text{Eu}^{3+}$, $\text{K}_2\text{Na}_2\text{GdF}_7 : \text{Eu}^{3+}$ and $\text{K}_3\text{GdF}_6 : \text{Eu}^{3+}$. (P)
14th Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'05) BEIJING, CN,
2005.07 25–29
186. E.Rysiakiewicz-Pasek, R.Poprawski, A.Urbanowicz, **M. MAĆZKA**,
Porous Glasses with Sodium Nitrate Impregnation. (P)
7th Semin.on Porous Glasses & Special Glasses (PGL 2005) SZKLARSKA POREBA, PL, 2005.09 10-14
187. **M. SAMSEL-CZEKAŁA**, **G. KONTRYM-SZNAJD**, M.Biasini,
Electronic Structure of f-Electron Intermetallic Compounds Studied by Positrons. (L)
Semin.of Scientific Network “New Materials for Magnetolectronics” (MAG-EL-MAT) BĘDLEWO
(Poznań) PL, 2005.05 02–06
188. **M. SAMSEL-CZEKAŁA**, **G. KONTRYM-SZNAJD**, M.Biasini,
**Electronic Structure of Rare-Earth Compounds TmGa_3 , ErGa_3 , and CeIn_3 Studied by
Positrons.** (P)
Eur.Conf.on Physics of Magnetism (PM'05) POZNAŃ, PL, 2005.06 24–27
189. W.Śasiadek, **M. MAĆZKA**, E.Kucharska, **J. HANUZA**, A.A.Kaminskii, H.Klapper,
**Polarized IR and Spontaneous and Stimulated RAMAN Spectra, Molecular Structure and DFT
Chemical Quantum Calculations of the Vibrational Levels for Methyl-Benzophenone Single
Crystal.** (P)
8th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18
190. N.Sekine, S.Odaka, H.Suzuki, O.Tsukamoto, **M. CISZEK**,
AC Transport Current Losses in REBCO Coated Conductors Subjected Tensile Strains. (P)
19th Int.Conf.on Magnet Technology (MT-19) GENOVA, IT, 2005.09 18–23
191. I.A.Smirnov, L.S.Parfen'eva, B.I.Smirnov, T.C.Orlova, A.I.Shelykh, **H. MISIOREK**, **A. JEŻOWSKI**,
F.M.Varela-Feria, J.Martinez-Fernandez, A.R.de Arellano-Lopez,
**Thermal Conductivity, Electrical Resistivity and Thermal Expansion of the SiC/Si Biomorphic
Composite, a New Canal-Type Ecoceramic.** (*)
11th Russian Thermophysical Properties Conf., ST PETERSBURG, RU, 2005.10 04–07

192. I.Sobczak, M.Ziołek, J.Gościańska, F.Romero-Sarria, M.Daturi, **J.M. JABŁOŃSKI**,
The Effect of the Cs Introduction into Pt/NbMCM-41 and Pt/SiMCM-41 on Surface Properties and NO Reduction with Hydrocarbons.
3rd Int. Zeolite Symp., PRAGUE, CZ, 2005.08 23–26
193. M.Sobczyk, J.Drożdżyński, **R. LISIECKI, W. RYBA-ROMANOWSKI**,
Spectroscopic Properties of U^{3+} -Doped KPb_2Cl_5 . (P)
8th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18
194. M.Sobczyk, **R. LISIECKI, J.Drożdżyński, W. RYBA-ROMANOWSKI**,
NIR to VIS Up-Conversion Emission of ER^{3+} Ions in Tetragonal Rb_2MnCl_4 Single Crystal. (P)
8th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18
195. **P. SOLARZ, W.Drozdowski, W. RYBA-ROMANOWSKI**,
Luminescence of $K_5Li_2CeF_{10}$ and $K_5Li_2LaF_{10} : Ce^{3+}$. (P)
14th Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'05) BEIJING, CN, 2005.07 25–29
196. **M. SOŁYGA, A. CZOPNIK[†], V.Pluznikov, J. ULNER, K. DURCZEWSKI, Z. KLETOWSKI**,
Thermal Expansion of RIn_3 Compounds with $R = Pr, Gd$ and Lu . (P)
Eur.Conf.on Physics of Magnetism (PM'05) POZNAŃ, PL, 2005.06 24–27
197. **W. STRĘK**,
Size Effects in Optical Spectra of RE-Doped Nanocrystals. (I)
2nd Int.Conf.on Physics of Laser Crystals (ICPLC 2005) YALTA (Crimea) UA, 2005.09 25–30
198. **W. STRĘK, A. BEDNARKIEWICZ, D. HRENIAK, P. MAZUR, W.Łojkowski**,
Fabrication and Optical Properties of Transparent $Nd^{3+} : YAG$ Nanoceramics. (P)
2005 Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'05) BEIJING, CN, 2005.07 25–29
199. **W. STRĘK, D. HRENIAK, P. MAZUR, A. BEDNARKIEWICZ**,
Spectroscopic Properties of YAG Nanoceramics Doped with Tb^{3+} . (P)
15th Int.Conf.on Dynamical Processes in Excited States of Solids (DPC'05) SHANGHAI, CN, 2005.08 01–05
200. **W. STRĘK, D. HRENIAK, P. MAZUR, A. BEDNARKIEWICZ, W.Łojkowski, R.Fedyk**,
Optical Investigations of RE-Doped YAG Nanoceramics. (P)
The Europ. Materials Research Society 2005 Fall Meet., WARSAW, PL, 2005.09 05–09
201. **W. STRĘK, D. HRENIAK, P. MAZUR, R.Fedyk, W.Łojkowski**,
Concentration Dependence of Nd^{3+} Luminescence of YAG Nanoceramics. (P)
14th Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'05) BEIJING, CN, 2005.07 25–29
202. **C. SUŁKOWSKI**,
Zależność termosiły od rodzaju i koncentracji domieszek dla monokryształów MgB_2 dotowanych Al i C. [Dependence of Thermoelectric Force on the Kind and Concentration of Admixtures in MgB_2 Single Crystal Doped with Al and C.] (P)
XI Kraj.Szk. Nadprzewodnictwa [11th Natl Sch.on Superconductivity] KAZIMIERZ DOLNY, PL, 2005.09 25–29
203. **W. SUSKI, B.Bielan, R.Gladyshvskii, O.I.Bodak, A.Gilewski, T.Mydlarz, K. WOCHOWSKI**,
Magnetic Properties of the $Tb_{2+x}(Co,Si)_{17}$ Alloys. (C)
Moscow Int.Symp.on Magnetism, MOSCOW, RU, 2005.06 25–30
204. **W. SUSKI, R.Gladyshvskii, N.Vityk, A.Gilewski, T.Mydlarz, K. WOCHOWSKI**,
Structure and Magnetic Properties of the $Ln_{2.1}Co_{16.9}Si$ Alloys. (P)
9th Int.Conf.on Crystal Chemistry of Intermetallic Compounds, L'vov, UA, 2005.09 20–24

205. **W. SUSKI, K. GOFRYK, A. HACKEMER, K. WOCHOWSKI,**
Low Temperature Specific Heat and Thermoelectric Power $UCu_3M_2Al_7$ Alloys. (P)
The European Materials Research Society 2005 Fall Meet., WARSAW, PL, 2005.09 05–09
206. **W. SUSKI, K. WOCHOWSKI,** A.Gilewski, T.Mydlarz, **D. BADURSKI,**
Magnetic and Electrical Properties of $UCu_3M_2Al_7$ Alloys. (P)
35èmes Journées des Actinides, Schloß Weikersdorf, BADEN, AT, 2005.04 23–26
207. **W. SUSKI, K. WOCHOWSKI,** A.Gilewski, T.Mydlarz, **D. BADURSKI,**
Magnetic and Electrical Properties of $UCu_3M_2Al_7$ Alloys. (P)
Int.Conf. Actinides 2005, MANCHESTER, E, UK, 2005.07 04–08
208. **W. SUSKI, K. WOCHOWSKI,** A.Gilewski, T.Mydlarz, **D. BADURSKI,**
Magnetic and Electrical Properties of $UCu_3M_2Al_7$ Alloys. (P)
[Int.] Worksh.on Anomalous Phenomena in Strongly Correlated Electron Materials, WROCLAW, PL,
 2005.05 19–21
209. I.Szafraniak, M.Połomska, B.Hilczer, E.Talik, **L. KĘPIŃSKI,**
Characterization of $PbTiO_3$ Nanopowders Obtained by Room Temperature Synthesis. (P)
11th Int.Meet.on Ferroelectricity (IMF-11) Cataratas del IGUAZÚ / Foz do IGUAÇU, BR/AR,
 2005.09 05–09
210. P.Szklarz, **A. PIETRASZKO,** G.Bator, **J. BARAN,** R.Jakubas,
Structure and Properties of Ferroelastic $[C(NH_2)_3]_3Sb_2I_9$. (P)
8th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18
211. **A. SZMYRKA-GRZEBYK, L. LIPIŃSKI,**
**Czy jednostka temperatury wymaga re-definicji? [Does the Unit of Temperature Need
 Re-Definition?] (C)**
XXXVII Międzynaceln.Konf. Metrologów (MKM'05) [37th Polish Inter-Univ.Conf.of Metrologists]
 ZIELONA GÓRA, PL, 2005.09 05–07
212. **J. SZNAJD,**
Weakly Interacting Spin and Fermion Chains. (I)
Eur.Conf.on Physics of Magnetism (PM'05) POZNAŃ, PL, 2005.06 24–27
213. **J. SZNAJD,**
Power Laws in Off-Critical Systems. (I)
Workshop of Max-Planck-Institute: RS, KÖNIGSTEIN, DE, 2005.09 01–03
214. A.Szytuła, A.Jeziarski, B.Penc, E.Wawrzyńska, A. ZYGMUNT,
Magnetic Properties and Electronic Structure of $Gd_3Cu_4X_4$ ($X = Ge, Sn$). (P)
Eur.Conf.on Physics of Magnetism (PM'05) POZNAŃ, PL, 2005.06 24–27
215. A.Szytuła, A.Jeziarski, A.Winiarski, B.Penc, **V.H. TRAN,**
Electronic Structure of U_2T_2In ($T = Ni, Rh, Pt$) Compounds. (C)
35èmes Journées des Actinides, Schloß Weikersdorf, BADEN, AT, 2005.04 23–26
216. A.Szytuła, A.Jeziarski, A.Winiarski, B.Penc, **V.H. TRAN,**
Electronic Structure of U_2T_2In ($T = Ni, Rh, Pt$) Compounds. (P)
[Int.] Worksh.on Anomalous Phenomena in Strongly Correlated Electron Materials, WROCLAW, PL,
 2005.05 19–21
217. A.Szytuła, **D. KACZOROWSKI,** M.Kalychak, B.Penc, Yu.Tyvanchuk,
Electronic Structure and Magnetic Properties of the $CeCuIn$ Compound. (C)
9th Int.Conf.on Crystal Chemistry of Intermetallic Compounds, L'VOV, UA, 2005.09 20–24

218. A.Szytuła, **D. KACZOROWSKI**, B.Penc,
Electronic Structure of $R\text{Ag}_2\text{Ge}_2$ ($R = \text{Pr}, \text{Nd}$) Compounds. (C)
Eur.Conf.on Physics of Magnetism (PM'05) POZNAŃ, PL, 2005.06 24–27
219. P.Tabero, **R. KLIMKIEWICZ**,
The Comparison of Niobia-Based Block Type and Non-Block Type Structure Phases in n -Butanol Conversions. (P)
Int.Symp.on Catalysis on Oxide-Type Materials, CRACOW, PL, 2005.11 17–19
220. J.Tarasiewicz, R.Jakubas, **J. BARAN, A. PIETRASZKO**,
Thermal, Dielectric Properties and Vibrational Spectra of $[\eta\text{-C}_4\text{H}_9\text{NH}_3]_2[\text{BiBr}_5]$ Crystal. (P)
8th Int.Conf.on Molecular Spectroscopy, WROCLAW & LADEK-Zdrój, PL, 2005.09 13–18
221. M.B.Tchoula Tchokonté, P.de V. du Plessis, A.M.Strydom, **D. KACZOROWSKI**,
Magnetic and Electrical Transport Studies of $\text{Ce}_8\text{Pd}_{24}\text{Al}_x$. (P)
Int.Conf.on Strongly Correlated Electron Systems (SCES'05) VIENNA, AT, 2005.07 26–30
222. E.A.Tereshina, A.V.Andreev, I.S.Tereshina, S.A.Nikitin, **W. IWASIECZKO, H. DRULIS**,
Influence of Hydrogen on Magnetic and Magnetoelastic Properties of $\text{Lu}_2\text{Fe}_{17}$ Single Crystal. (P)
NATO Advanced Research Workshop on Hydrogen Materials Science and Chemistry of Carbon Nanomaterials (ICHMS'2005) SEVASTOPOL (Crimea) UA, 2005.09 05–11
223. E.A.Tereshina, I.S.Tereshina, G.S.Burkhanov, O.D.Chistyakov, S.A.Nikitin, T.Palewski, **H. DRULIS**,
Magnetostriction and Thermal Expansion of $\text{Er}_2\text{Fe}_{14}\text{B}$ and Its Hydride. (L)
Moscow Int.Symp.on Magnetism, MOSCOW, RU, 2005.06 25–30
224. I.S.Tereshina, D.O.Louchev, E.A.Tereshina, S.A.Nikitin, A.V.Andreev, **H. DRULIS**,
Effect of Hydrogen on Magnetic Ordering Temperature in $\text{Lu}_2(\text{Fe}, \text{Si})_{17}$ Compounds. (L)
Moscow Int.Symp.on Magnetism, MOSCOW, RU, 2005.06 25–30
225. I.S.Tereshina, E.A.Tereshina, S.A.Nikitin, O.D.Chistyakov, G.S.Burkhanov, **L.FOLCIK, H.DRULIS**,
Change of CURIE Temperature and Effective Exchange Fields in Ferrimagnetic $R_2\text{Fe}_{14}\text{B}$ Compounds upon Hydrogenation. (P)
NATO Advanced Research Workshop on Hydrogen Materials Science and Chemistry of Carbon Nanomaterials (ICHMS'2005) SEVASTOPOL (Crimea) UA, 2005.09 05–11
226. **P.E. TOMASZEWSKI**,
Wielka unifikacja czyli strukturalne przemiany fazowe na przełomie tysiącleci. [Great Unification – Structural Phase Transitions on the Break of 3rd Milenium.] (P)
XLVII Konwers. Krystalograficzne [47th Polish Crystallographic Meet.] WROCLAW, PL, 2005.06 30 –.07 01
227. O.Tougait, **R. TROĆ**, H.Noël,
The U–Co–Al System: an Overview of the Crystal-Chemistry and Electronic Properties of the New Ternary Compounds. (C)
35èmes Journées des Actinides, Schloß Weikersdorf, BADEN, AT, 2005.04 23–26
228. **V.H. TRAN**,
Thermoelectric Power and HALL Effect in $\text{U}_2\text{Rh}_2\text{In}$. (P)
3rd Conf.on Concepts in Electron Correlation, HVAR, HR, 2005.09 30 –.10 05
229. **V.H. TRAN**,
HALL Effect in Strongly Correlated Electron Systems. (C)
Semin.of Scientific Network “New Materials for Magnetoelctronics” (MAG-EL-MAT) BĘDLEWO (Poznań) PL, 2005.05 02–06
230. **V.H. TRAN**,
Thermoelectric Power Measurements of Ce_5CuSn_3 , Ce_5CuSb_3 and Dy_5CuPb_3 . (P)
Worksh.on Correlated Thermoelectric Materials, HVAR, HR, 2005.09 25–30

231. **V.H. TRAN, Z. BUKOWSKI, R. TROĆ,**
Coexistence of Antiferromagnetic and Spin Glass Behavior in $U_3Rh_3Sb_4$. (C)
35èmes Journées des Actinides, Schloß Weikersdorf, BADEN, AT, 2005.04 23–26
232. **V.H. TRAN, D. KACZOROWSKI, A.Grytsiv, P.Rogl,**
Intermediate Valence and Non-FERMI Liquid Behavior in $Yb(Cu_ySi_{1-y})_{2-x}$, $x = 0.05–0.19$ and $y = 0.12–0.15$. (L)
ECOM Worksh.on Emergent Behavior of Correlated Matter, VIENNA, AT, 2005.07 25–26
233. **V.H. TRAN, D. KACZOROWSKI, A.Grytsiv, P.Rogl,**
Possible Non-FERMI Liquid Behavior in $Yb(Cu_{0.12}Si_{0.88})_{1.81}$. (P)
Int.Conf.on Strongly Correlated Electron Systems (SCES'05) VIENNA, AT, 2005.07 26–30
234. **V.H. TRAN, D. KACZOROWSKI, A.Grytsiv, P.Rogl,**
Possible Non-FERMI Liquid Behavior in $Yb(Cu_{0.12}Si_{0.88})_{1.81}$. (P)
[Int.] Worksh.on Anomalous Phenomena in Strongly Correlated Electron Materials, WROCLAW, PL, 2005.05 19–21
235. **V.H. TRAN, S.Paschen, F.Steglich, R. TROĆ, Z. BUKOWSKI,**
HALL Effect in the Low Charge Carrier Density Ferromagnet $UCo_{0.5}Sb_2$. (C)
Eur.Conf.on Physics of Magnetism (PM'05) POZNAŃ, PL, 2005.06 24–27
236. **J.Trawczyński, B.Białobok, W. MIŚTA, M. ZAWADZKI,**
Effect of Preparation Method and Hydrothermal Treatment of $LaCoO_3$ on Its Properties and Catalytic Activity in Ethanol Combustion. (P)
5th Int.Conf.on Catalysis and Adsorption in Fuels Processing and Environmental Protection, KUDOWA-Zdrój, PL, 2005.09 14–17
237. **R. TROĆ,**
First Classical RE-Like Mixed Valence State Evidence in the Uranium Compounds: U_2Ru_2Sn and U_2RuGa_8 . The Scaling Properties. (C)
35èmes Journées des Actinides, Schloß Weikersdorf, BADEN, AT, 2005.04 23–26
238. **R. TROĆ,**
Scaling Properties for the First RE-Like Mixed Valence Examples in Uranium Compounds: U_2Ru_2Sn and U_2RuGa_8 . (P)
Int.Conf.on Strongly Correlated Electron Systems (SCES'05) VIENNA, AT, 2005.07 26–30
239. **R. TROĆ,**
Study of Valence State of U Ion in the Quasi-Two Dimensional Ternary Uranium Compounds. (P)
Semin.of Scientific Network “New Materials for Magnetoelectronics” (MAG-EL-MAT) BĘDLEWO (Poznań) PL, 2005.05 02–06
240. **R. TROĆ,**
Magnetoresistivity Studies of Intermetallic Uranium Compounds and Their Impact on the Understanding of Exhibited Phenomena. (I)
The European Materials Research Society 2005 Fall Meet., Symposium B: Multi-component Alloys and Intermetallic Compounds... and D: Magnetoelectronics, WARSAW, PL, 2005.09 05–09
241. **R. TROĆ, Z. BUKOWSKI, C. SUŁKOWSKI, J. STĘPIEŃ-DAMM,**
Magnetic and Transport Properties of Cu-Flux-Grown UCu_2Si_2 . (C)
Eur.Conf.on Physics of Magnetism (PM'05) POZNAŃ, PL, 2005.06 24–27
242. **M. TRZEBIATOWSKA-GUSOWSKA, J. BARAN, M. ŚLEDŹ, M. DROZD,**
Spectroscopic Investigation of Phase Transition in $(Sarcosine)_3SrBr_2$ Crystal. (P)
XLVII Konwers. Krystalograficzne [47th Polish Crystallographic Meet.] WROCLAW, PL, 2005.06 30 –.07 01

243. **M. TRZEBIATOWSKA-GUSOWSKA, J. BARAN, M. ŚLEDŹ, M. DROZD,**
Spectroscopic Investigation of Phase Transition in (Sarcosine)₃BaCl₂ Crystal. (P)
8th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18
244. Y.Tsui, A.Brühl, K.Removic-Langer, V.Pashchenko, B.Wolf, M.Lang, G.Donath, **A. PIKUL**, T.Kretz, H.-W.Lerner, M.Wagner, A.Salguero, T.Saha-Dasgupta, B.Rahaman, R.Valenti,
Field-Induced Phase Transition in an Organic Spin-Dimer System – A Potential System to Study BOSE–EINSTEIN Condensation of Magnons. (P)
Int.Symp.on Spin- and Charge-Correlations in Molecule-Based Materials, KÖNIGSTEIN, DE, 2005.10 17–19
245. O.Tsukamoto, H.Suzuki, Z.Li, **M. CISZEK**, N.Kashima, S.Nagaya,
AC Losses in YBCO Conductors Subjected to Tensile Stresses. (P)
3rd Asian Conf.on Applied Superconductivity and Cryogenics (ACASC 2005) BUSAN, KR, 2005.12 12–14
246. E.Vateva, B.Terziyska, **H. MISIOREK, A. JEŹOWSKI, D. WŁOSEWICZ**, D.Arsova,
Low-Temperature Thermal Properties of Ge–As–S Glasses. (C)
3rd Int.Symp.on Irradiation-Induced Phenomena in Chalcogenide, Oxide and Organic Thin Films, TRYAVNA, BG, 2005.06 15–19
247. N.Vu, T.K.Anh, G.-Ch.Yi, **W. STREK**,
Photoluminescence and Cathodoluminescence Properties of Y₂O₃ : Eu Nanophosphors Prepared by Combustion Synthesis. (C)
14th Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'05) BEIJING, CN, 2005.07 25–29
248. A.Walasek, E.Zych, **L. KĘPIŃSKI**,
Niskotemperaturowa synteza granatów itrowo–galowych. [Low-Temperature Synthesis of Yttrium–Gallium Garnet.] (P)
XLVII Konwers. Krystalograficzne [47th Polish Crystallographic Meet.] WROCŁAW, PL, 2005.06 30 –.07 01
249. M.Wandas, Z.Talik, **J. HANUZA, M. MACZKA**,
Molecular Structure, Vibrational Spectra and Chemical Quantum Calculations of 2-Mercaptopyridine Derivatives. (P)
8th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13–18
250. **A. WAŚKOWSKA**, L.Gerward, J.Staun Olsen, V.Kanchana, G.Vaitheeswaran,
High-Pressure Phase of Cadmium Phosphide Cd₃P₂. (P)
Eur. High Pressure Conf.: Joint 20th AIRAPT & 43th EHPRG, KARLSRUHE, DE, 2005.06 27 –.07 01
251. **R. WAWRYK, Z. HENKIE, H. MISIOREK, J. MUCHA**,
Transport Properties of the UBi₂ and USb₂ Single Crystals. (P)
[Int.] Worksh.on Anomalous Phenomena in Strongly Correlated Electron Materials, WROCŁAW, PL, 2005.05 19–21
252. **P. WIŚNIEWSKI**,
Anisotropy of the Resistivity and Thermoelectric Power in Cubic Ferromagnets U₃P₄ and U₃As₄. (P)
3rd Conf.on Concepts in Electron Correlation, HVAR, HR, 2005.09 30 –.10 05
253. **P. WIŚNIEWSKI**,
Anisotropy of Resistivity and Its Reversal in Ferromagnets U₃As₄ and U₃P₄. (P)
Int.Conf.on Strongly Correlated Electron Systems (SCES'05) VIENNA, AT, 2005.07 26–30

254. **P. WIŚNIEWSKI**,
Reversal of the Resistivity Anisotropy in U_3As_4 and U_3P_4 Ferromagnets. (P)
[Int.] Worksh.on Anomalous Phenomena in Strongly Correlated Electron Materials, WROCLAW, PL, 2005.05 19–21
255. **P. WIŚNIEWSKI**,
Anisotropy of the Resistivity and Thermoelectric Power in Cubic Ferromagnets U_3P_4 and U_3As_4 . (P)
Worksh.on Correlated Thermoelectric Materials, HVAR, HR, 2005.09 25–30
256. **P. WRÓBEL**,
Checkerboard-Like Charge Ordering in Underdoped Cuprates. (P)
11th Natl Sch.: "Collective Phenomena and Their Competition" KAZIMIERZ DOLNY, PL, 2005.09 25–29
257. **P. WRÓBEL**, R.Eder, **A. MACIĄG**,
Bond-Ordered, Bond-Centered Stripes in Cuprates. (P)
Eur.Conf.on Physics of Magnetism (PM'05) POZNAŃ, PL, 2005.06 24–27
258. A.M.Yaremko, V.O.Yukhymchuk, **J. BARAN**,
Investigation of Electron–Phonon Interaction in Semiconductor Nanostructures by RAMAN Spectroscopy. (L)
8th Int.Conf.on Molecular Spectroscopy, WROCLAW & LADEK-Zdrój, PL, 2005.09 13–18
259. Da-Qui Yu, Dong-Feng Xue, H. RATAJCZAK,
Bond-Valence Parameters for Characterizing O—HO Hydrogen Bonds in Hydrated Borates. (P)
8th Int.Conf.on Molecular Spectroscopy, WROCLAW & LADEK-Zdrój, PL, 2005.09 13–18
260. **A.J. ZALESKI**,
ITER – największy projekt wykorzystujący nadprzewodnictwo. [*ITER – The Greatest Project Exploiting Superconductivity.] (I)
VI Semin. Zastosowania Nadprzewodników [6th Semin.on Superconductors Applications] KAZIMIERZ DOLNY, PL, 2005.06 16–18
261. **A.J. ZALESKI**,
Materia wirów strumienia magnetycznego w nadprzewodnikach. [*] (I)
VI Semin. Zastosowania Nadprzewodników [6th Semin.on Superconductors Applications] KAZIMIERZ DOLNY, PL, 2005.06 16–18
262. **A.J. ZALESKI**,
Moment magnetyczny bikryształów bizmutu z granicą wysokokątową. || (P)
XI Kraj.Szk. Nadprzewodnictwa [11th Natl Sch.on Superconductivity] KAZIMIERZ DOLNY, PL, 2005.09 25–29
263. **A.J. ZALESKI**, E.P.Khlybov, I.Kostyleva,
Possibility of Triplet Pairing in $Dy_{1-x}Y_xRh_4B_4$ Series. (P)
24th Int.Conf.on Low Temperature Physics (LT-24) ORLANDO , FL, US, 2005.08 10–17
264. W.Zapart, M.B.Zapart, P.Reng, **J. HANUZA**, **M. MĄCZKA**,
Ferroelastic Phase Transition in $KSc(WO_4)_2$: EPR of Gd^{3+} . (P)
11th Int.Meet.on Ferroelectricity (IMF-11) Cataratas del IGUAZÚ / Foz do IGUAÇU AR/BR, 2005.09 05–09
265. I.Zaręba-Grodź, B.Borak, **K. HERMANOWICZ**, **W. MIŚTA**, **E. BUKOWSKA**, K.Maruszewski,
Organic–Inorganic Polymer Hybrid Based on Silica and Polyethylene Oxide. (P)
Int. Polymer Semin., GLIWICE, PL, 2005.06 23–23

266. I.Zaręba-Grodź, **W. MIŚTA**, J.Bohacek, **K. HERMANOWICZ**, **E. BUKOWSKA**, K.Maruszewski,
Charakterystyka polimerowych materiałów hybrydowych SiO₂-TiO₂ otrzymanych metodą zol-żelową. [Characterization of Polymeric SiO₂-TiO₂ Hybrid Materials Prepared by Sol-Gel Method.] (P)
XXXVII Og.pol.Kolokw. Katalityczne [37th All-Polish Colloq.on Catalysis] CRACOW, PL,
 2005.03 15-18
267. I.Zaręba-Grodź, **R. PAŻIK**, **K. HERMANOWICZ**, **W. STRĘK**, K.Maruszewski,
Preparation and Optical Properties of Hybrid Coatings Based on Epoxy-Modified Silane and Rhodamine B. (P)
15th Int.Conf.on Dynamical Processes in Excited States of Solids (DPC'05) SHANGHAI, CN,
 2005.08 01-05
268. I.Zaręba-Grodź, **R. PAŻIK**, W.Tylus, W.Mielcarek, **W. STRĘK**, K.Maruszewski,
Spectroscopic Investigations of Europium-Doped Silica-Titania Thin Films Obtained by the Sol-Gel Method. (P)
14th Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'05) BEIJING, CN,
 2005.07 25-29
269. I.Zaręba-Grodź, U.Szeluga, **E. BUKOWSKA**, **K. HERMANOWICZ**, **W. MIŚTA**, K.Maruszewski,
Organic-Modified SiO₂ Thin Film Coatings Obtained by the Sol-Gel Method. (P)
8th Int.Worksh.on Stress-Induced Phenomena in Metallization, DRESDEN, DE, 2005.09 12-14
270. **M. ZAWADZKI**,
Zinc Aluminate and Platinum Nanoparticles Prepared under Microwave-Assisted Solvothermal Conditions as Catalyst Precursor. (C)
5th Int.Conf.on Catalysis and Adsorption in Fuels Processing and Environmental Protection,
 KUDOWA-Zdrój, PL, 2005.09 14-17
271. **M. ZAWADZKI**, **H. GRABOWSKA**,
The Influence of the Preparation Method on the Properties of Mg,Fe-Mixed Oxide System. (P)
5th Int.Conf.on Catalysis and Adsorption in Fuels Processing and Environmental Protection,
 KUDOWA-Zdrój, PL, 2005.09 14-17
272. R.G.Zhbankov, M.R.Zhbankova, **J. BARAN**, **M.K. MARCHEWKA**, H. RATAJCZAK,
High Intensity FTIR-Spectra of Individual Kinds of Polymers and Their Model Systems. (L)
8th Int.Conf.on Molecular Spectroscopy, ŁĄDEK-Zdrój, PL, 2005.09 13-18
273. E.Zych, A.Walasek, **L. KĘPIŃSKI**, J.Legendziewicz,
Low Temperature Synthesis of YAG:Eu Spheroidal Monocrystalline Submicron-Sized Particles.
15th Int.Conf.on Dynamical Processes in Excited States of Solids (DPC'05) SHANGHAI, CN,
 2005.08 01-05