

LISTA PUBLIKACJI 2010 LIST of PUBLICATIONS

ARTYKUŁY W CZASOPISMACH NAUKOWYCH ARTICLES IN SCIENTIFIC JOURNALS

1. A.Adach, M. DASZKIEWICZ, B.Barszcz,
Synthesis, X-ray Structure, and Spectroscopic Investigation of New Co(II) / Cd(II) Complexes Formed via the Reaction of 1-Hydroxymethyl-3,5-Dimethylpyrazole and Co⁰, CdCl₂, NH₄I.
Struct. Chem. **21**₂ (2010) 331–36. [\[DOI\]](#)
2. A.Adach, M. DASZKIEWICZ, B.Barszcz, M.Cieślak-Golonka, G.Maciejewska,
Redox Processes as a Route for the Formation of an Unusual Structure of the Co(II) / Zn(II) Complex Isolated from the System: [Co(0) / Zn(II)-1-Hydroxymethyl-3,5-Dimethylpyrazole].
Inorg. Chem. Commun. **13**₃ (2010) 361–64. [\[DOI\]](#)
3. J.Amami, D. HRENIAK, Y.Guyot, W.Zhao, G.Boulon,
Size-Effect on Concentration Quenching in Yb³⁺-Doped Y₃Al₅O₁₂ Nano-Crystals.
J. Lumin. **130**₄ (2010) 603–10. [\[DOI\]](#)
4. I.Anusiewicz, T.Janiak, J. OKAL,
Kinetic Study of the Hydrogenolysis of Polychlorobenzenes over a Pd/C Catalyst in an Alkaline Aqueous–n-Hexane System.
Catal. Commun. **11**₈ (2010) 797–801. [\[DOI\]](#)
5. V.A.APINYAN, T.K. KOPEĆ,
Magnetically Driven Superconducting Pairing Interaction in the Two-Dimensional HUBBARD Model within a Spin-Rotationally Invariant Approach.
Acta Phys. Pol. A **118**₂ (2010) 273–78.
XIV Natl Sch.on Superconductivity: Superconductivity and Inhomogeneous Condensed Systems,
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6. K.Z.Baba-Kishi, M. PAŚCIAK,
An Electron Diffraction and Monte Carlo Simulation Study of an Incommensurate Antiferroelectric State in the Relaxor Ferroelectric Pb₂ScTaO₆.
J. Appl. Cryst. **43**₁ (2010) 140–50. [\[DOI\]](#)
7. M.Baenitz, R.Sarkar, R.Gumeniuk, A.Leithe-Jasper, W.Schnelle, H.Rosner, U.Burkhardt, M.Schmidt, U.Schwarz, D. KACZOROWSKI, Yu.Grin, F.Steglich,
Ge-Based Skutterudites MPt₄Ge₁₂ : A Comparative ¹⁹⁵Pt NMR Study.
phys. stat. sol. (b) **247**₃ (2010) 740–42. [\[DOI\]](#)
The Int.Conf.on Quantum Criticality and Novel Phases (QCNP 2009) DRESDEN, DE, 2009.08 02–05
8. J. BARAN, N.A.Davydova,
Infrared Spectroscopy Study of Structural Changes in Glass-Forming Salol.
Phys. Rev. E **81** (2010) 03 1503 (6) [Pt 1]. [\[DOI\]](#)
9. J. BARAN, N.A.Davydova, M. DROZD,
The Role of Nucleation in Vitrification of Supercooled Liquids.
J. Phys. Cond. Matt. **22** (2010) 15 5108 (8). [\[DOI\]](#)

10. **J. BARAN**, N.A.Davydova, V.I.Melnik, V.P.Vorob'ev,
Metastable Polymorph Formation in a Supercooled Liquid 2-Biphenylmethanol: Luminescence Study.
J. Mol. Liq. **153**_{2/3} (2010) 174–77. [\[DOI\]](#)
11. **J.A.BARAN**, **M.A.DROZD**, H. RATAJCZAK,
Polarised IR and RAMAN Spectra of Monoglycine Nitrate Single Crystal.
J. Mol. Struct. **976**_{1–3} (2010) 226–42. [\[DOI\]](#)
12. S.Baran, A.Arulraj, **D. KACZOROWSKI**, B.Penc, A.Szytuła,
Magnetic Ordering and Magnetic Properties of ErAu_xNi_{1-x}In (0 ≤ x ≤ 1) Solid Solution.
Intermetallics **18**₁ (2010) 42–46. [\[DOI\]](#)
13. S.Baran, Ł.Gondek, A.Szytuła, **D. KACZOROWSKI**, **A.PIKUL**, B.Penc, P.Piekarz, A.Hoser, S.Gerischer,
Low Temperature Thermodynamical Properties of ErCu₂Si₂.
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14. S.Baran, **D. KACZOROWSKI**, A.Arulraj, B.Penc, A.Szytuła,
Magnetic Structure and Thermodynamic Properties of TmPtIn.
J. Magn. Magn. Mater. **322**₁₅ (2010) 2177–83. [\[DOI\]](#)
15. S.Baran, **D. KACZOROWSKI**, B.Penc, D.Sheptyakov, A.Szytuła,
Crystal Structure and Magnetic Properties of TbFe_{0.4}Ge₂ Compound.
J. Magn. Magn. Mater. **322**₁₅ (2010) 2195–98. [\[DOI\]](#)
16. S.Baran, **D. KACZOROWSKI**, D.Sheptyakov, W.Sikora, A.Szytuła,
Antiferromagnetic Square-Modulated Structure in HoRhSn.
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17. O.Bardyn, B.Belan, R.Gladyshevskii, **A.PIETRASZKO**, **W. SUSKI**, **K. WOCHOWSKI**,
R. GORZELNIAK, A.Gilewski, T.Mydlarz,
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18. P.Becker, L.Bohatý, J.Liebertz, H.-J.Kleebe, M.Müller, H.J.Eichler, H.Rhee, **J. HANUZA**,
A.A.Kaminskiĭ,
Non-Centrosymmetric Tetragonal Sr₂ZnGe₂O₇ – A Novel Melilite-Type Nonlinear-Laser Crystal Offering $\chi^{(2)}$ -, $\chi^{(3)}$ -, and Cascaded $\chi^{(3)} \leftrightarrow \chi^{(2)}$ -Interactions.
Laser Phys. Lett. **7**₅ (2010) 367–77. [\[DOI\]](#)
19. **A.BEDNARKIEWICZ**,
Luminescencyjne nanoznaczniki wykorzystywane w biodetekcji. [Luminescent Nano-markers Used in Biodetection.]
Post. Nanotechnol. **1**₁ (2010) 25–29 [in Polish].
20. **A.BEDNARKIEWICZ**, M.Nyk, M.Samoc, **W. STREK**,
Up-conversion FRET from Er³⁺/Yb³⁺ : NaYF₄ Nanophosphor to CdSe Quantum Dots.
J. Phys. Chem. C **114**₄₁ (2010) 17 535–41. [\[DOI\]](#)
21. **A.BEDNARKIEWICZ**, R.M.Rodrigues, M.P.Whelan,
Enrichment of Hepatocytes in a HepaRG Culture Using Spatially Selective Photodynamic Treatment.
J. Biomed. Opt. **15** (2010) 02 8002 (?). [\[DOI\]](#)

22. В.А.Белошенко, В.В.Чишко, Н.И.Матросов, В.П.Дьяконов, R.Szymczak, J.Piętoza, R.Puźniak, H.Szymczak, D.Gajda, **A.ZALESKI**,
Влияние деформационно-термической обработки с применением равноканального многоугольного прессования на сверхпроводящие свойства сплава NbTi.
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23. T.Bezrodna, I.Chashechnikova, V.Nesprava, G.Puchkovska, Ye.Shaydyuk, Yu.Boyko, **J. BARAN**, **M. DROZD**,
Structure Peculiarities and Optical Properties of Nanocomposite: 5CB Liquid Crystal–CTAB-Modified Montmorillonite Clay.
Liq. Cryst. **37**₃ (2010) 263–70. [\[DOI\]](#)
24. T.Bezrodna, G.Puchkovska, V.Styopkin, **J. BARAN**, **M. DROZD**, V.Danchuk, A.Kravchuk,
IR-Study of Thermotropic Phase Transitions in Cetyltrimethylammonium Bromide Powder and Film.
J. Mol. Struct. **973**_{1–3} (2010) 47–55. [\[DOI\]](#)
25. V.L.Bezusyy, A.Malinowski, R.Minikayev, W.Paszkowicz, P.Dziawa, **R. GORZELNIAK**,
From Cuprate to Nickelate: Evolution of the Normal State Properties with Ni from La_{1.85}Sr_{0.15}CuO₄ to La_{1.85}Sr_{0.15}NiO₄.
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26. M.Bonarowska, Z.Kaszukur, **L.КЕПИŃSKI**, Z.Karpiński,
Hydrodechlorination of Tetrachloromethane on Alumina- and Silica-Supported Platinum Catalysts.
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27. T.Borkowski, A.M.Trzeciak, W.Bukowski, A.Bukowska, W.Tylus, **L.КЕПИŃSKI**,
Palladium(0) Nanoparticles Formed *in situ* in the SUZUKI–MIYAUURA Reaction: The Effect of a Palladium(II) Precursor.
Appl. Catal. A **378**₁ (2010) 83–89. [\[DOI\]](#)
28. M.T.Borowiec, T.Zayarnyuk, **A.PIKUL**, M.Gutowska, M.C.Pujol, M.Aguiló, F.Díaz, A.Szewczyk, E.E.Zubov, V.P.Dyakov, M.Barański, H.Szymczak,
Specific Heat of the Monoclinic Rare Earth Double Tungstates.
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29. А.Т.Бурков, С.В.Новиков, Б.И.Смирнов, И.А.Смирнов, **Cz. SUŁKOWSKI**, **A.JEŻOWSKI**,
Коэффициент термоэдс биоуглеродных матриц сосны и композитов: биоуглеродная матрица/медь.
 [Thermopower Coefficient of Pine-Wood Biocarbon Preforms and the Biocarbon-Preform/Copper Composites.]
Физ. Твёрд. Тела **52**₁₁ (2010) 2191–94 [in Russian]. Engl. in: *Phys. Solid State* **52**₁₁ (2010) 2340–44. [\[DOI\]](#)
30. А.Т.Бурков, Т.С.Орлова, Б.И.Смирнов, И.А.Смирнов, **H. MISIOREK**, **A.JEŻOWSKI**,
Особенности поведения удельного электросопротивления композита: биоуглеродная матрица сосны/медь.
 [Specific Features in the Behavior of Electrical Resistivity of the Pine Biocarbon Preform/Copper Composite.]
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31. L.H.Chagas, **J. JANCZAK**, F.C.Machado, L.F.C. de Oliveira, R.Diniz,
Dipotassium Tetraaquabis[3,5-bis(Dicyanomethylene)Cyclopentane-1,2,4-Trionato(1-)-κN] Cobaltate(II).
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32. N.Chumalo, G.P.Nychyporuk, V.V.Pavlyuk, R.Pöttgen, **D. KACZOROWSKI**, V.I.Zaremba,
Crystal Structure and Magnetic Properties of $Ce_7Ni_{5\pm x}Ge_{3\pm x}In_6$ and $Pr_7Ni_{5\pm x}Ge_{3\pm x}In_6$.
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33. **T. CICHOREK**, **Ł. BOCHENEK**, **Z. HENKIE**, M.Schmidt, A.Czulucki, R.Kniep, F.Steglich,
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34. **T. CICHOREK**, **Ł. BOCHENEK**, R.Niewa, M.Schmidt, A.Schlechte, R.Kniep, F.Steglich,
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35. **M. CISZEK**, **K. ROGACKI**, **K. OGANISIAN**, N.D.Zhigadlo, J.Karpinski,
Influence of the Carbon Substitution on the Critical Current Density and AC Losses in MgB_2 Single Crystals.
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36. C.C.Corrêa, R.Diniz, **J. JANCZAK**, M.I.Yoshida, L.F.C. de Oliveira, F.C.Machado,
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38. J.Ćwik, T.Palewski, K.Nenkov, J.Lyubina, J.Warchulska, O.Gutfleisch, **J. KLAMUT**,
Magnetic Properties and Specific Heat of LAVES Phase $Tb_{1-x}Sc_xNi_2$ ($x = 0.1, 0.2$) Solid Solutions.
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39. A.Cyganiuk, **R. KLIMKIEWICZ**, A.OLEJNICZAK, J.P.Łukaszewicz,
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41. A.Czulucki, G.Auffermann, M. BEDNARSKI, **Ł. BOCHENEK**, M.Böhme, **T. CICHOREK**, R.Niewa,
N.Oeschler, M.Schmidt, F.Steglich, R.Kniep,
Crystal Chemistry and Physical Properties of the Nonmagnetic KONDO Compound $HfAs_{1.7}Se_{0.2}$.
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42. **M. DASZKIEWICZ**, O.M.Strok, L.D.Gulay, **D. KACZOROWSKI**,
Crystal Structure of $R_3Ge_{1+x}Se_7$ ($R = La, Ce, Pr, Sm, Gd, \text{ and } Tb; x = 0.43 - 0.49$) and Magnetic Properties of $Ce_3Ge_{1.47}Se_7$.
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Symmetry of $LaAlO_3$ Nanocrystals as a Function of Crystallite Size.
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45. **G. DOMINIAK-DZIK**, B.Klimesz, **W. RYBA-ROMANOWSKI**,
Thermal Treatment Effect on Dynamics of Luminescent States in Oxyfluoride Glass–Ceramics Doped with Pr³⁺ and Tb³⁺.
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46. **G. DOMINIAK-DZIK**, **W. RYBA-ROMANOWSKI**, **R. LISIECKI**, **P. SOLARZ**, M.Berkowski,
Dy-Doped Lu₂SiO₅ Single Crystal: Spectroscopic Characteristics and Luminescence Dynamics.
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M.Berkowski, M.Głowacki, V.Domukhovski,
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48. **M. DROZD**, **M.K. MARCHEWKA**,
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49. **H. DRULIS**, **A.HACKEMER**, **L.FOLCIK**, **A.ZALESKI**,
Magnetocaloric Effect in Terbium Dihydrides: Heat Capacity Measurements.
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50. **M. DRULIS**, **J. KULEJ**, **A.HACKEMER**, **A.ZALESKI**, **H. DRULIS**,
Specific Heat of Terbium and Erbium Trihydrides.
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51. L.Dymińska, **A.GĄGOR**, **M. MAĆZKA**, Z.Węgliński, **J. HANUZA**,
XRD Studies, Vibrational Spectra, and Molecular Structure of 1H-Imidazo [4,5-b] Pyridine Based on DFT Quantum Chemical Calculations.
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52. R.Eder, **P. WRÓBEL**, Y.Ohta,
Theory of the Lightly Doped MOTT Insulator.
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53. J.K.Freericks, M.M.Maška, AnZi Hu, T.M.Hanna, C.J.Williams, P.S.Julienne, **R. LEMAŃSKI**,
Improving the Efficiency of Ultracold Dipolar Molecule Formation by First Loading onto an Optical Lattice.
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The Influence of Gold on the Properties of Silica Mesoporous Materials.
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59. A.Gaki, C.Karavangelis, G.Kakali, **R.J. WIGLUSZ**, **W. STRĘK**,
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62. J.V.García-Santizo, P.Molina, M.O.Ramírez, **K. LEMAŃSKI**, **W. STRĘK**, **P.J. DEREŃ**, L.E.Bausá,
Rare Earth Doped Ring-Shaped Luminescent Micro-Composites on Patterned Ferroelectrics.
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63. M.Gąsior-Głogowska, M.Komorowska, J.Hanuza, **M. PTAK**, M.Kobielarz,
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64. Y.Gerasymchuk, L.Tomachynski, I.Tretyakova, **J. HANUZA**, J.Legendziewicz,
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