

LISTA PUBLIKACJI 2007 LIST of PUBLICATIONS

ARTYKUŁY W CZASOPISMACH NAUKOWYCH ARTICLES IN SCIENTIFIC JOURNALS

1. R.Acevedo, A.Soto-Bubert, P.Bosch, **W. STRĘK**,
A New Approach and Some Criteria to Deal with the Theory of the Normal Modes of Vibrations in the Elpasolite Stoichiometric Type Systems Short-Range Intramolecular Interactions.
J. Mol. Struct. **843**₁₋₃ (2007) 116–27. [\[DOI\]](#)
2. T.Aitasalo, **D. HRENIAK**, J.Hölsä, T.Laamanen, M.Lastusaari, J.Niittykoski, F.Pellé, **W. STRĘK**,
Persistent Luminescence of Ba₂MgSi₂O₇ : Eu²⁺.
J. Lumin. **122/123** (2007.01–04) 110–12. [\[DOI\]](#)
2005 Int.Conf.on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'05) BEIJING, CN, 2005.07 25–29
3. О.А.Алексеева, А.П.Дудка, Н.И.Сорокина, **А. PIETRASZKO**, М.Х.Рабаданов, Е.И.Агапова, В.И.Воронкова, В.И.Симонов,
Структура кристаллов титанил-фосфата калия, легированных цирконием.
[Crystal Structure of Potassium Titanyl Phosphate Doped with Zirconium.]
Кристаллография **52**₄ (2007) 686–93 [in Russian]. Engl. in: *Crystallogr. Rep.* **52**₄ (2007) 659–67. [\[DOI\]](#)
4. J.Amami, **D. HRENIAK**, Y.Guyot, **R. PAZIK**, **W. STRĘK**, C.Goutaudier, G.Boulon,
New Optical Tools Used for Characterization of Phase Transitions in Nonlinear Nano-Crystals. Example of Yb³⁺-Doped BaTiO₃.
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5. L.M.Babkov, **J. BARAN**, N.A.Davydova, K.E.Uspenskyi,
Vibrational Spectra and Structural-Dynamical Models of the 2-, 3- and 4-Biphenylmethanoles.
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6. **J. BARAN**, L.Dolgov, T.Gavrilko, L.Osinkina, G.Puchkovska, H. RATAJCZAK, Y.Shaydyuk, A.Hauser,
Effect of Clay Surface Modification on the Structure and Electro-Optical Properties of Liquid Crystal/Clay Nanocomposites.
Philos. Mag. **87**₂₈ (2007) 4273–85. [\[DOI\]](#)
7. **J. BARAN**, H. RATAJCZAK,
Polarized Vibrational Studies of the α-Glycine Single Crystal. Part I. Polarized RAMAN Spectra — the Problem of Effective Local RAMAN Tensors for the Glycine Zwitterions.
Vibr. Spectr. **43**₁ (2007) 125–39. [\[DOI\]](#)
8. А.Е.Барановский, Г.Е.Гречнев, А.С.Панфилов, И.В.Свечкарев, **О. ŻOGAŁ**, **А. CZOPNIK[†]**, **А. НАСКЕМЕР**,
Аномальный магнетизм соединения YbPb₃ : эффект давления. [Anomalous Magnetism of YbPb₃ : The Effect of Pressure.]
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9. G.Bator, R.Jakubas, **J. BARAN**,
Vibrational Study of the Structural Phase Transitions in 4-Aminopyridinium Tetrachloroantimonate(III) (4-APCA) Ferroelectric Crystal by Infrared Spectroscopy.
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10. **A.BEDNARKIEWICZ**, M.P.Whelan,
Microscopic Fluorescence Lifetime and Hyperspectral Imaging with Digital Micromirror Illuminator.
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11. B.Białobok, J.Trawczyński, **W. MIŚTA**, **M. ZAWADZKI**,
Ethanol Combustion over Strontium- and Cerium-Doped LaCoO₃ Catalysts.
Appl. Catal. B **72**_{3/4} (2007) 395–403. [\[DOI\]](#)
12. B.Białobok, J.Trawczyński, T.Rzadki, **W. MIŚTA**, **M. ZAWADZKI**,
Catalytic Combustion of Soot over Alkali-Doped SrTi₃.
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13. M.Bleckmann, O.Prokhnenko, **K.GOFRYK**, **D.KACZOROWSKI**, S.Süllow,
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15. B.Borak, S.Laskowski, O.Heczko, A.Aaltonen, **A.BASZCZUK**, M.Jasierski, O.Söderberg, B.Mazurek, M.Oja, S.-P.Hannula, K.Maruszewski,
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1st Silesian–Saxony Worksh.on Synthesis and Analysis of Nano-materials and Nano-structures & 3rd Czech–Silesian–Saxony Mechanics Colloq. Wrocław, PL, 2005.11 21–22
16. S.Yu.Chundak, L.Yu.Lukachinec, **M. DASZKIEWICZ**,
Aqua(Nitrato- κ^2O, O')bis(3-Nitrobenzohydrazide- κ^2N', O)Cadmium(II) Nitrate.
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17. S.Yu.Chundak, L.Yu.Lukachinec, **M. DASZKIEWICZ**,
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18. **T. CICHOREK**, **D. GNIDA**, R.Niewa, A.Schlechte, M.Schmidt, Y.Prots, R.Ramlau, **Z. HENKIE**, R.Kniep, F.Steglich,
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20. M.Daldosso, J.Sokolnicki, **L. KĘPIŃSKI**, J.Legendziewicz, A.Speghini, M.Bettinelli,
Preparation and Optical Properties of Nanocrystalline $\text{Lu}_2\text{O}_3 : \text{Eu}^{3+}$ Phosphors.
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21. B.A.Danilchenko, I.A.Obukhov, T.Paszkiwicz, S.Wolski, **A.JEŻOWSKI**,
On the Upper Limit of Thermal Conductivity GaN Crystals.
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22. **M. DASZKIEWICZ**, L.D.Gulay, **A.PIETRASZKO**, V.Ya.Shemet,
Crystal Structures of the $\text{La}_3\text{AgSnSe}_7$ and $\text{R}_3\text{Ag}_{1-\delta}\text{SnS}_7$ ($\text{R} = \text{La}, \text{Ce}; \delta = 0.18\text{--}0.19$) Compounds.
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24. A.T.Davidson, A.G.Kozakiewicz, T.E.Derry, J.D.Commins, **M. SUSZYŃSKA**, L.Valberg,
P.D.Townsend,
Common Features of Thermoluminescence in NaCl and LiF Crystals.
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25. N.Davydova, **J. BARAN**, **M. DROZD**,
New Insights into the Nature of the Metastable Structures in Supercooled Liquid 2-Biphenylmethanol.
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26. S.Debrus, **M.K. MARCHEWKA**, **M. DROZD**, H. RATAJCZAK,
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29. **P. DEREŃ**, M.A.WĘGLAROWICZ, **P. MAZUR**, **W. STRĘK**,
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ANDREEV Reflection Study of a New Magnetic Superconductor Mo_3Sb_7 in Magnetic Field.
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33. **G. DOMINIAK-DZIK, W. RYBA-ROMANOWSKI, R. LISIECKI, I.Földvári,**
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34. **G. DOMINIAK-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.
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35. **M. DROZD,**
Molecular Structure and Infrared Spectra of Guanidinium Cation. A Combined Theoretical and Spectroscopic Study.
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36. **M.K. DRULIS, H. DRULIS, A.E. HACKEMER, A.Ganguly, T.El-Raghy, M.W.Barsoum,**
On the Low Temperature Heat Capacities of Ti₂AlN and Ti₂Al(N_{0.5}C_{0.5}).
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37. **R.Fedyk, D. HRENIAK, W.Łojkowski, W. STRĘK, H.Matysiak, E.Grzanka, S.Gierlotka, P. MAZUR,**
Method of Preparation and Structural Properties of Transparent YAG Nanoceramics.
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43. **А.В.Голубков, А.В.Гольцев, Н.Ф.Картенко, И.А.Смирнов, Cz. SUŁKOWSKI, H. MISIOREK,**
Термоэдс «легкого» тяжелофермионного соединения YbMgCu₄ в области его гомогенности. [Thermal EMF of “Light” Heavy-Fermion Compound YbMgCu₄ in the Region of Its Homogeneity.]
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 [Thermal Conductivity of a “Light” Heavy-Fermion Compound YbMgCu₄ .]
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46. А.В.Голубков, Л.С.Парфеньева, И.А.Смирнов, **D. WŁOSEWICZ, H. MISIOREK, J. MUCHA, A. JEŻOWSKI**,
 А.И.Кривчиков, Г.А.Звягина,
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 А.И.Кривчиков, Г.А.Звягина, И.Б.Билич,
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Теплоемкость LuZnCu₄ . [Thermal Capacity of LuZnCu₄ .]
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54. L.D.Gulay, **M. DASZKIEWICZ**, M.R.Huch, **A.PIETRASZKO**,
Dilanthanum Copper Indium Pentaselenide, La₂CuInSe₅ .
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and $R_3\text{CuSiSe}_7$ ($R = \text{La}$, Ce , Pr , Nd , Sm , Gd , Tb , and Dy).**
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