Instytut Niskich Temperatur
i Badań Strukturalnych PAN

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LISTA PUBLIKACJI 2014
LIST of PUBLICATIONS

KSIĄŻKI, MONOGRAFIE i ARTYKUŁY PRZEGLĄDOWE
Books, Monographs & Reviews

1. **P. Głuchowski**,

   Synteza i zbadanie własności optycznych nanokrystalicznych materiałów domieszkowanych jonami Cr^{3+}, opartych na matrycach $Y_3Al_5O_{12}$ i $MgAl_2O_4$. [Synthesis and Investigation of Optical Properties of Nano-crystalline Materials Based on $Y_3Al_5O_{12}$ and $MgAl_2O_4$ Matrices, Doped with Cr^{3+} Ions.]

   (Wrocław: INTiBS 2014) 80 pp. [in Polish] [ISBN 978-83-939559-1-6]

2. **Ł. Marciniak**,

   Synthesis and Luminescent Properties of Nanocrystalline, Stoichiometric Phosphors of Rare Earth Ions.

   (Wrocław: INTiBS 2014) 186 pp. [ISBN 978-83-939559-2-3]

ARTYKUŁY W CZASOPISMACH NAUKOWYCH
Articles in Scientific Journals

3. S.Abtmeyer, **R. Pązik**, **R.J. Wiglusz**, **M. Małecka**, G.A.Seisenbaeva, V.G.Kessler,

   Lanthanum Molybdate Nanoparticles from the Bradley Reaction: Factors Influencing Their Composition, Structure, and Functional Characteristics as Potential Matrixes for Luminescent Phosphors.

   Inorg. Chem. **53** 2 (2014) 943–51. [DOI]

4. A.Adach, **M. Daszkiewicz**, M.Cieślak-Golonka, T.Misiaszek, D.Grabka,

   ***In situ* Synthesis of Scorpion-Like Complexes Isolated from the System Containing Zerovalent Nickel.**

   Polyhedron **78** (2014) 31–39. [DOI]

5. B.Andrzejewski, W.Bednarski, M.Kaźmierczak, A.Łapiński, K.Pogorzelec-Glaser, B.Hilczer, S.Jurga, G.Nowaczyk, K.Załęski, M.Matczak, B.Łęska, R.Pankiewicz, **L. Kępiński**,

   Magnetization Enhancement in Magnetite Nanoparticles Capped with Alginic Acid.

   Compos. B **64** (2014) 147–54. [DOI]

6. M.Antoszczak, E.Maj, A.Napiórkowska, J.Stefańska, E.Augustynowicz-Kopeć, J.Wietrzyk, **J. Janczak**, B.Brzeziński, A.Huczyński,

   Synthesis, Antiproliferative and Antibacterial Activity of New Amides of Salinomycin.

   Molecules **19** 12 (2014) 19 435–59. [DOI]

7. M.Antoszczak, E.Maj, J.Stefańska, J.Wietrzyk, **J. Janczak**, B.Brzeziński, A.Huczyński,

   Synthesis, Antiproliferative and Antibacterial Activity of New Amides of Salinomycin.

   Bioorg. Med. Chem. Lett. **24** 7 (2014) 1724–29. [DOI]

8. M.Antoszczak, K.Popiel, J.Stefańska, J.Wietrzyk, E.Maj, **J. Janczak**, G.Michalska, B.Brzeziński, A.Huczyński,

   Synthesis, Cytotoxicity and Antibacterial Activity of New Esters of Polyether Antibiotic – Salinomycin.

   Eur. J. Med. Chem. **76** (2014) 435–44. [DOI]

9. **V. Apinyan**, **T.K. Kopeć**,

   Excitonic Phase Transition in the Extended Three-Dimensional Falicov–Kimball Model.

   J. Low Temp. Phys. **176** $_{1/2}$ (2014) 27–63. [DOI]

10. **V. Apinyan**, **T.K. Kopeć**,

    Superfluid Phase Transition in Two-Dimensional Excitonic Systems.

    Phys. Lett. A **378** $_{16/17}$ (2014) 1185–90. [DOI]

11. V.Arjunan, R.Santhanam, **M.K. Marchewka**, S.Mohan,

    Comprehensive Quantum Chemical and Spectroscopic (FTIR, FT-Raman, ^{1}H and ^{13}C NMR) Investigations of O-Desmethyltramadol Hydrochloride — an Active Metabolite in Tramadol — an Analgesic Drug.

    Spectrochim. Acta A **122** (2014) 315–30. [DOI]

12. H.Bala, M.Dymek, L.Adamczyk, K.Giza, **H. Drulis**,

    Hydrogen Diffusivity, Kinetics of H_2O / H_2 Charge Transfer and Corrosion Properties of $LaNi_5$-Powder, Composite Electrodes in 6 M KOH Solution.

    J. Solid State Electrochem. **18** $_{11}$ (2014) 3039–48. [DOI]

    6th Kurt Schwabe *Symp.on Surface Analysis and Material Engineering in Corrosion Science and Electrochemical Technologies (6th KSS)* CRACOW, PL, 2013.09 16–19

13. H.Bala, M.Dymek, **H. Drulis**,

    Development of Metal Hydride Material Efficient Surface in Conditions of Galvanostatic Charge / Discharge Cycling.

    Mater. Chem. Phys. **148** $_{3}$ (2014) 1008–12. [DOI]

14. **J. Baran**, N.A.Davydova, **M. Drozd**,

    Polymorphism of Triphenyl Phosphite.

    J. Chem. Phys. **140** (2014) 10 4512 (6). [DOI]

15. **J. Baran**, N.A.Davydova, **M. Drozd**, E.A.Ponezha, V.Ya.Reznichenko,

    Nature of the Dynamic Crossover in Orthoterphenyl.

    Ukr. J. Phys. **59** $_{3}$ (2014) 292–98.

16. **J. Baran**, **M. Drozd**, T.A.Gavrilko, V.I.Styopkin,

    Structure, Molecular Dynamics, and Thermotropic Properties of Stearic Acid – CTAB Catanionic Surfactants with Different Molar Ratios.

    Ukr. J. Phys. **59** $_{3}$ (2014) 303–12.

17. **K. Baranowska**, **J. Okal**, N.Miniajluk,

    Effect of Rhenium on Ruthenium Dispersion in the Ru–Re / γ-Al_2O_3 Catalysts.

    Catal. Lett. **144** $_{3}$ (2014) 447–59. [DOI]

18. I.Bat'ko, M.Bat'kova, **V.H. Tran**, U.Keiderling, V.B.Filipov,

    Evidence for Magnetic Phase Separation in Colossal Magnetoresistance Compound $EuB_{5.99}C_{0.01}$.

    Solid State Commun. **190** (2014) 23–27. [DOI]

19. B.Belan, M.Manyako, S.Pukas, Ya.Tokaychuk, R.Gladyshevskii, **D. Kaczorowski**,

    Crystal Structure and Magnetic Properties of $PrNi_9Si_4$ and $NdNi_9Si_4$.

    Chem. Met. Alloys **7** $_{1/2}$ (2014) 68–73.

20. A.Błachowski, K.Ruebenbauer, J.Żukrowski, **Z. Bukowski**,

    Magnetic Anisotropy and Lattice Dynamics in FeAs Studied by Mössbauer Spectroscopy.

    J. Alloy. Compd. **582** (2014) 167–76. [DOI]

21. K.Bordolińska, M.Dymek, H.Bala, **H. Drulis**,

    Odtwarzalność galwanostatycznych charakterystyk ładowania/rozładowania i dokładność wyznaczania parametrów elektrody wodorkowej. [Reproducibility of the Galvanostatic Charge/Discharge Characteristics and the Accuracy of Determining the Parameters of Hydride Electrode.]

    Ochr. Koroz. **57**$_4$ (2014) 116–19 [in Polish].

22. G.Boulon, Y.Guyot, M.Guzik, T.Epicier, **P. Głuchowski**, **D. Hreniak**, **W. Stręk**,

    Yb^{3+} Ions Distribution in YAG Nanoceramics Analyzed by Both Optical and TEM-EDX Techniques.

    J. Phys. Chem. C **118**$_{28}$ (2014) 15 474–86. [DOI]

23. I.Bryndal, E.Kucharska, M.Wandas, J.Lorenc, **K. Hermanowicz**, **M. Mączka**, T.Lis, **M.K. Marchewka**, **J. Hanuza**,

    Comprehensive Physicochemical Studies of a New Hybrid Material: 2-Amino-4-methyl-3-nitropyridinium Hydrogen Oxalate.

    Spectrochim. Acta A **117** (2014) 434–41. [DOI]

24. I.Bryndal, **M.K. Marchewka**, M.Wandas, W.Sąsiadek, J.Lorenc, T.Lis, L.Dymińska, E.Kucharska, **J. Hanuza**,

    The Role of Hydrogen Bonds in the Crystal of 2-Amino-4-methyl-5-nitropyridinium Trifluoroacetate Monohydrate and 4-Hydroxybenzenesulfonate – X-ray and Spectroscopic Studies.

    Spectrochim. Acta A **123** (2014) 342–51. [DOI]

25. B.Brzostowski, M.Wojciechowski, **R. Lemański**, G.Kamieniarz, G.A.Timco, F.Tuna, R.E.P.Winpenny,

    DFT and Falicov–Kimball Model Approach to Cr_9 Molecular Ring.

    Acta Phys. Pol. A **126**$_1$ (2014) 270–71. [DOI]
    15th Czech and Slovak Conf.on Magnetism (CSMAG '13) KOŠICE, SK, 2013.06 17–21

26. G.S.Burkhanov, N.B.Kolchugina, E.A.Tereshina, I.S.Tereshina, G.A.Politova, V.B.Chzhan, **D. Badurski**, O.D.Chistyakov, M.Paukov, **H. Drulis**, L.Havela,

    Magnetocaloric Properties of Distilled Gadolinium: Effects of Structural Inhomogeneity and Hydrogen Impurity.

    Appl. Phys. Lett. **104** (2014) 242402 (5). [DOI]

27. B.Burtan, J.Cisowski, Z.Mazurak, B.Jarząbek, M.Czaja, **R. Lisiecki**$^{\nabla}$, **W. Ryba-Romanowski**$^{\nabla}$, M.Reben, I.Grelowska,

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    Spectroscopic Properties of Pr^{3+} Ion in Various Tellurite Glasses.

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    Spectroscopic Properties of the Pr^{3+} Ion in TeO_2–WO_3–PbO–La_2O_3 and TeO_2–WO_3–PbO–Lu_2O_3 Glasses.

    Open Phys. (Cent. Eur. J. Phys.) **12**$_1$ (2014) 57–62. [DOI]

30. A.Chiappini, C.Armellini, A.Carpentiero, I.Vasilchenko, **A.Łukowiak**, D.Ristić, S.Varas, S.Normani, M.Mazzola, A.Chiasera,

    Glass-Based Confined Structures Fabricated by Sol–Gel and Radio-Frequency Sputtering.

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31. A.Chiappini, A.Chiasera, C.Armellini, A.Carpentiero, **A.Łukowiak**, M.Mazzola, S.Normani, D.Ristic, S.Valligatla, I.Vasilchenko, S.Varas, G.C.Righini, M.Ferrari,

    Glass-Based Photonic Crystals: From Fabrication to Applications.

    Adv. Sci. Technol. **90** (2014) 121–26. [DOI]

    13th Int. Ceramics Congr. (CIMTEC 2014) MONTECATINI TERME, IT, 2013.06 08–13

32. K.Chybczyńska, P.Ławniczak, B.Hilczer, B.Łęska, R.Pankiewicz, **A.Pietraszko**, **L.Kępiński**, T.Kałuski, P.Cieluch, F.Matelski, B.Andrzejewski,

    Synthesis and Properties of Bismuth Ferrite Multiferroic Flowers.

    J. Mater. Sci. **49**$_6$ (2014) 2596–604. [DOI]

33. **T. Cichorek**, **A.Rudenko**, **P. Wiśniewski**, **R. Wawryk**, **L.Kępiński**, **A.Pietraszko**, **Z. Henkie**,

    Schottky-Like Anomaly on the Border of Localized Ferromagnetism in the Filled Skutterudite $NdOs_4As_{12}$.

    Phys. Rev. B **90** (2014) 19 5123 (8). [DOI]

34. J.Cichos, **Ł.Marciniak**, **D. Hreniak**, **W. Stręk**, M.Karbowiak,

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35. **B. Cichy**, D.Wawrzyńczyk, **A.Bednarkiewicz**, M.Samoc, **W. Stręk**,

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    RSC Adv. **4**$_{64}$ (2014) 34 065–72. [DOI]

36. A.Ciechan, **M.J. Winiarski**, **M. Samsel-Czekała**,

    Magnetic Phase Transitions and Superconductivity in Strained FeTe.

    J. Phys.: Cond. Matt. **26** (2014) 02 5702 (8). [DOI]

37. M.T.Colomer, S.Díaz-Moreno, R.Boada, **M. Mączka**, J.Chaboy,

    Relationships between Structural and Electrical Properties in Mixed Conductors Duplex Materials in the ZrO_2–Y_2O_3–TiO_2 Ternary System.

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38. A.Cyganiuk, **R. Klimkiewicz**, A.Bumajdad, J.Włoch, A.Kucińska, J.P.Łukaszewicz,

    Manufacture of a Nanostructured CeO_x / Carbon Catalyst for *n*-Butanol Conversion.

    Mater. Lett. **118** (2014) 119–22. [DOI]

39. M.Czaja, M.Kądziołka-Gaweł, **R. Lisiecki**, S.Bodył-Gajowska, Z.Mazurak,

    Luminescence and Other Spectroscopic Properties of Purple and Green Cr-Clinochlore.

    Phys. Chem. Miner. **41**$_2$ (2014) 115–26. [DOI]

40. **M. Daszkiewicz**,

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    Asian J. Phys. **23**$_6$ (2014) 953–58.

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    Spectrochim. Acta A **131** (2014) 335–41. [DOI]

42. **M. Daszkiewicz**,

    Vibrational Spectra of the *Ortho*-Nitroanilinium Cation in Torsional Space. Theoretical Studies *vs* Experimental Data of *Ortho*-Nitroanilinium Chloride.

    Spectrochim. Acta A **132** (2014) 776–85. [DOI]

43. **M. Daszkiewicz**, O.V.Marchuk, L.D.Gulay, **D. Kaczorowski**,

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44. **M. Daszkiewicz**, Yu.O.Pashynska, O.V.Marchuk, L.D.Gulay, **D. Kaczorowski**,

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45. **P.J. Dereń**, **K. Lemański**,

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46. **P.J. Dereń**, **D. Stefańska**, **M. Ptak**, **M. Mączka**, **W. Walerczyk**, G.Banach,

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47. W.Drozdowski, K.Brylew, M.E.Witkowski, A.J.Wojtowicz, **P. Solarz**, K.Kamada, A.Yoshikawa,

Studies of Light Yield as a Function of Temperature and Low Temperature Thermoluminescence of $Gd_3Al_2Ga_3O_{12}$: Ce Scintillator Crystals.

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49. **K. Durczewski**, **Z. Gajek**, **J. Mucha**,

Influence of Crystal Field Excitations on Thermal and Electrical Resistivity of Normal Rare-Earth Metals.

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50. L.Dymińska, **A.Gągor**, **J. Hanuza**, A.Kulma, M.Preisner, M.Żuk, M.Szatkowski, J.Szopa,

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51. H.Fuks, T.Skibiński, S.M.Kaczmarek, **J. Hanuza**, G.Leniec, **K. Hermanowicz**, **M. Mączka**, **M. Ptak**,

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52. **A.Gągor**, **D. Gnida**, **A.Pietraszko**,

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53. **A.Gągor**, P.Zajdel, D.Többens,

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J. Alloy. Compd. **607** (2014) 104–9. [DOI]

54. G.Garbacz, **B. Kołodziej**, M.Koziolek, W.Weitschies, S.Klein,

A Dynamic System for the Simulation of Fasting Luminal *p*H-Gradients Using Hydrogen Carbonate Buffers for Dissolution Testing of Ionisable Compounds.

Eur. J. Pharm. Sci. **51** (2014) 224–31. [DOI]

55. P.Garczarek, **J. Janczak**, M.Duczmal, J.Zoń,

The Synthesis, Structure, and Magnetic Properties of Two Cobalt Phosphonate Salts.

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56. A.Gnach, K.Prorok, **M. Misiak**, B.Cichy, **A.Bednarkiewicz**,

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57. P.Godlewska, **J. Janczak**, E.Kucharska, **J. Hanuza**, J.Lorenc, J.Michalski, L.Dymińska, Z.Węgliński,

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58. P.Godlewska, A.Matraszek, S.M.Kaczmarek, H.Fuks, T.Skibiński, **K. Hermanowicz**, **M. Ptak**, I.Szczygieł, **L.Macalik**, **R. Lisiecki**, **W. Ryba-Romanowski**, **J. Hanuza**,

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60. R.R.Gonçalves, **A.Łukowiak**, D.Ristic, B.Boulard, A.Chiappini, A.Chiasera, D.Dorosz, M.Marciniak, G.C.Righini, M.Ferrari,

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61. **D. Gralak**, **A.J. Zaleski**, **V.H. Tran**,

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66. A.Huczyński, **J. Janczak**, J.Rutkowski, B.Brzeziński,

Spectroscopic, Crystallographic and Theoretical Studies of Lasalocid Complex with Ammonia and Benzylamine.

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67. **W. Iwasieczko**, **D. Kaczorowski**,

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J. Alloy. Compd. **589** (2014) 545–48. [DOI]

68. T.I.Ivanova, S.A.Nikitin, G.A.Tskhadadze, Yu.S.Koshkid'ko, **W. Suski**, **W. Iwasieczko**, **D. Badurski**,

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69. **W. Iwasieczko**, N.Yu.Pankratov, E.A.Tereshina, S.A.Nikitin, I.S.Tereshina, K.P.Skokov, A.Yu.Karpenkov, R.M.Grechishkin, **H. Drulis**,

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70. **J. Janczak**,

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1. H.Bala, M.Dymek, **H. Drulis**,

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2. **K. Baranowska, J. Okal**,

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Point Contact Spectroscopy Measurements on the Filled Skutterudite Compound $LaRu_4As12$. (P)

Eur.Conf. Physics of Magnetism 2014 (PM '14) Poznań, PL, 2014.06 23–27

58. A.Hilczer, B.Andrzejewski, E.Markiewicz, **K. Kowalska**, **A.Pietraszko**,

Effect of Thermal Treatment on Magnetic and Dielectric Response of SrM Hexaferrites Obtained by Hydrothermal Synthesis. (P)

XXI Czech–Polish Semin.on Structural and Ferroelectric Phase Transitions, Sezimovo Ústí, CZ, 2014.05 19–23

59. M.Ivanov, Yu.Kopylov, V.Kravchenko, Jiang Li, YuBai Pan, U.Kynast, M.Leznina, **W. Stręk**, **Ł.Marciniak**, O.Palashov, I.Snetkov, I.Mukhin, D.Spassky,

Optical, Laser and Scintillation Properties of Highly Transparent Yb Doped Yttrium Lanthanum Oxide Ceramics. (I)

10th Laser Ceramics Symp. (LCS 2014) on Transparent Ceramics for Photonic Applications, Wrocław, PL, 2014.12 01–05

60. **J. Janczak**,

Catalytic Transformation Mechanism of Cyanopyridine Isomers into Pyridinecarboxamide Isomers by Magnesium Phthalocyanine. (P)

8th Int.Conf.on Porphyrins & Phthalocyanines (ICPP-8) İstanbul, TR, 2014.06 22–27

61. **J. Janczak**, **R. Kubiak**,

Synthesis and Structural Characterization of Oxygenated Magnesium Phthalocyanine. (P)

22nd Ann.Conf.of the German Crystallographic Society (DGK), Berlin, DE, 2014.03 17–20

62. I.Jankowska-Sumara, **M. Mączka**, K.Szot, T.H.Kim, A.Majchrowski, S.Kojima,

Phase Transitions, Precursor Phenomena and Mode Softening Studied by Piezoresponse Force Microscopy – PFM, Raman and Brillouin Light Scattering in $PbZr_{0.78}Sn_{0.22}O_3$ Antiferroelectric Single Crystals. (P)

[25th] 2014 Worksh.on the Fundamental Physics of Ferroelectrics & Related Materials, Washington, DC, US, 2014.01 26–29

63. **A.Jeżowski**, **D. Szewczyk**, A.I.Krivchikov, J.L.L.Tamarit,

Effect of Temperature Dependent Static or Dynamic Disorder on Thermal Conductivity in Adamantane Derivatives. (P)

27th Int.Conf.on Low Temperature Physics (LT-27) Buenos Aires, AR, 2014.08 06–13

64. **D. Kaczorowski**,

Quantum Critical Superconductivity in f-Electron Systems. (I)

Eur.Conf. Physics of Magnetism 2014 (PM'14) Poznań, PL, 2014.06 23–27

65. **D. Kaczorowski**, T.Klimczuk, **M. Winiarski**,

Possible Unconventional Superconductivity in Non-Centrosymmetric Compound ThIrSi. (P)

Int.Conf.on Strongly Correlated Electron Systems (SCES'14) Grenoble, FR, 2014.07 07–11

66. **D. Kaczorowski**, A.Szytuła,

Magnetic and Related Properties of Ternary Tm*TX* Intermetallics. (C)

Eur.Conf. Physics of Magnetism 2014 (PM'14) Poznań, PL, 2014.06 23–27

67. **L.Kępiński**, **L.Krajczyk**, **P. Kraszkiewicz**, Ch.Mitterbauer, R.Sowa,

Mikrostruktura mieszanych tlenków Ce–Er–O osadzonych na γ-Al_2O_3 — Wpływ metody preparatyki. [Microstructure of Mixed Ce–Er Oxides Supported by γ-Al_2O_3 : Influence of Preparation Method.] (P)

XLVI Og.-pol. Kolokwium Katalityczne [46th Polish Ann.Conf.on Catalysis] Cracow, PL, 2014.03 19–21

68. A.Kharkhalis, **A.Bednarchuk**, **T. Lukianova**, **V. Kinzhybalo**, V.Zaremba,

Investigation of Interaction Components in the System $La(Cu_{1-x}Ni_x)_5In$. (P)

56. Konwers. Krystalograficzne [56th Polish Crystallographic Meet.] Wrocław, PL, 2014.06 26–27

69. **V. Kinzhybalo**,

Hipodifosforany guanidyny. [.] (P)

II Og.-pol. Forum Chemii Nieorganicznej [2nd Polish Forum of Inorganic Chemistry] „Horyzonty Chemii" /Wrocław, PL, 2014.11 07–10

70. **V. Kinzhybalo**, T.Lis, A.Mermer, P.Starynowicz,

Oddziaływania grup fosforanowych i fosfonianowych z kationami metali – wpływ na rozkład gęstości elektronowych. [] (P)

II Og.-pol. Forum Chemii Nieorganicznej [2nd Polish Forum of Inorganic Chemistry] „Horyzonty Chemii" /Wrocław, PL, 2014.11 07–10

71. **V. Kinzhybalo**, K.Ślepokura,

Hipodifosforany Betainy. (P)

56. Konwers. Krystalograficzne [56th Polish Crystallographic Meet.] Wrocław, PL, 2014.06 26–27

72. T.Klimczuk, **M. Winiarski**, **D. Kaczorowski**, **P. Wiśniewski**, D.Safarik, J.O'Brien, J.-C.Griveau, E.Colineau,

Crystal Structure and Superconductivity in the Cage Compounds $R\mathbf{V_2Al_{20}}$. (L)

11th Prague Colloq.on f-Electron Systems (PCfES 2014) Prague, CZ, 2014.07 02–05

73. A.Kołodziejczyk, **Ł.Bochenek**, **T. Cichorek**, **K. Rogacki**,

Clean Limit Superconductivity and Weak Itinerant Ferromagnetism in $\mathbf{Y_9Co_7}$. (L)

Int.Conf. "From Spins to Cooper Pairs: New Physics of the Spins" (StoCP-2014) Zakopane, PL, 2014.09 22–26

74. **J. Komar**, **R. Lisiecki**, M.Berkowski, **W. Ryba-Romanowski**,

Transition Intensities and Relaxation Dynamics of $\mathbf{Sm^{3+}}$ in $\mathbf{La_3Ga_{5.5}Ta_{0.5}O_{14}}$ (LGT) Crystal. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

75. K.Komędera, A.K.Jasek, A.Błachowski, K.Ruebenbauer, **Z. Bukowski**, A.Krztoń-Maziopa,

Spin Spirals in FeAs and FeSb Studied by Mössbauer Spectroscopy. (P)

Int.Conf. "From Spins to Cooper Pairs: New Physics of the Spins" (StoCP-2014) Zakopane, PL, 2014.09 22–26

76. K.Komędera, **L.M. Tran**, A.K.Jasek, A.Błachowski, K.Ruebenbauer, J.Żukrowski, **Z. Bukowski**, **A.J. Zaleski**,

Magnetism of $\mathbf{EuFe_2As_2}$-Based Superconductors Studied by $\mathbf{^{151}Eu}$ and $\mathbf{^{57}Fe}$ Mössbauer Spectroscopy. (P)

Int.Conf. "From Spins to Cooper Pairs: New Physics of the Spins" (StoCP-2014) Zakopane, PL, 2014.09 22–26

77. **J. Komar**, **R. Lisiecki**, **W. Ryba-Romanowski**, M.Berkowski,

Spectroscopic Study on Laser Potential of $\mathbf{La_3Ga_{5.5}Ta_{0.5}O_{14}}$: Er and $\mathbf{La_3Ga_{5.5}Ta_{0.5}O_{14}}$: Ho, Yb Single Crystals. (P)

2nd Int.Conf.on Application of Optics & Photonics (AOP 2014) Aveiro, PT, 2014.05 26–30

78. **D. Komornicka**,

Monte Carlo Modeling of Structural Disorder in α–$\mathbf{LiNH_4SO_4}$ Crystals Based on X-ray Diffuse Scattering Data. (C)

XXI Czech–Polish Semin.on Structural and Ferroelectric Phase Transitions, Sezimovo Ústí, CZ, 2014.05 19–23

79. **D. Komornicka**, **M. Wołcyrz**, **A.Pietraszko**,

Disorder and Polytypism in α-$\mathbf{LiNH_4SO_4}$ Crystals. Monte Carlo Modeling Based on X-ray Diffuse Scattering. (C)

56. Konwers. Krystalograficzne [56th Polish Crystallographic Meet.] Wrocław, PL, 2014.06 26–27

80. **T. Kopeć**, **V. Apinyan**,

Superfluidity in Two-Dimensional Excitonic Systems. (P)

27th Int.Conf.on Low Temperature Physics (LT-27) Buenos Aires, AR, 2014.08 06–13

81. Y*.A.Kosenok, V.E.Gaishun, D.L.Kovalenko, B.V.Plusch, M.N.Kapshai, A.V.Semchenko, M.A.Kovalevich, A.A.Boiko, **W. Stręk**,

Sol–Gel Preparation and Spectral-Luminescent Properties of Doped Cerium Ions Glasses for Optoelectronics. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

82. D.L.Kovalenko, V.E.Gaishun, Y*.A.Kosenok, V.V.Vaskevich, N.A.Aleshkevich, **W. Stręk**,

Silica Sol–Gel Coating Doped by Photochromic Dyes. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

83. **K. Kowalska**, A.Hilczer, B.Andrzejewski, E.Markiewicz, **V. Kinzhybalo**, **A.Pietraszko**,

Hydrothermal Synthesis of m-Type Hexaferrities, Structural Characterisation, Magnetic and Dielectric Properties Study. (P)

56. Konwers. Krystalograficzne [56th Polish Crystallographic Meet.] Wrocław, PL, 2014.06 26–27

84. **K. Kowalska**, **V. Kinzhybalo**, **A.Pietraszko**,

Kompozyty multiferroikowe na bazie $SrFe_{12}O_{19}$ oraz $CoFe_2O_4$. [?.] (P)

II Og.-pol. Forum Chemii Nieorganicznej [2nd Polish Forum of Inorganic Chemistry] „Horyzonty Chemii" /Wrocław, PL, 2014.11 07–10

85. **A.Kubiak**, **W. Walerczyk**, **D. Stefańska**, **P.J. Dereń**,

Spectroscopic Properties of $K_4SrSi_3O_9$ Doped with Sm^{3+}. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

86. **R. Kubiak**, **J. Janczak**,

Hf(IV) **Phthalocyanine Crystals Formed in the Hafnium–Phthalonitrile–Halogen Systems.** (P)

8th Int.Conf.on Porphyrins & Phthalocyanines (ICPP-8) İstanbul, TR, 2014.06 22–27

87. M.Kubota, H.Ueda, M.Yagi, N.Shimizu, **K. Rogacki**, S.Nemirovskii, K.Inoue,

Evidences of Quantized Vortex Physics in *hcp* Solid ^{4}He. (P)

27th Int.Conf.on Low Temperature Physics (LT-27) Buenos Aires, AR, 2014.08 06–13

88. E.Kucharska, I.Bryndal, J.Michalski, J.Lorenc, **J. Hanuza**,

Molecular and Crystal Structure, Vibrationa Studies and Conformation of the Hydrazo Bond in $3,3',5,5'$–Tetranitro-2,2-hydrazopyridine. (P)

32nd Eur.Congr.on Molecular Spectroscopy (EUCMOS XXXII) Düsseldorf, DE, 2014.08 24–29

89. **M. Kurnatowska**, M.E.Schuster, **W. Mista**, **L.Kępiński**,

Self-Regenerative Property of Nanocrystalline $Ce_{0.89}NM_{0.11}O_{2-y}$ (NM = Pd, Rh) Mixed Oxides. (L)

XLVI Og.-pol. Kolokwium Katalityczne [46th Polish Ann.Conf.on Catalysis] Cracow, PL, 2014.03 19–21

90. P.Ławniczak, K.Pogorzelec-Glaser, A.Rachocki, B.Hilczer, **A.Pietraszko**,

Struktura i przewodnictwo elektryczne przewodnika protonowego zbudowanego z kwasu sebacynowego i benzimidazolu. [?.] (P)

56. Konwers. Krystalograficzne [56th Polish Crystallographic Meet.] Wrocław, PL, 2014.06 26–27

91. **R. Lemański**,

Gapless Metallic Charge-Density-Wave Phase Driven by Strong Electron Correlations. (I)

Jub.Worksh.on Quantum Phenomena in Strongly Correlated Electrons Cracow, PL, 2014.06 15–18

92. **K. Lemański**, M. Babij, **P.J. Dereń**,

Spectroscopic Properties of LaZnPO Polycrystals Doped with Nd^{3+} Ions. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

93. **K. Lemański**, **P.J. Dereń**, **W. Walerczyk**, **P. Głuchowski**, **W. Stręk**, R.Boulesteix, R.Epherre, A.Maître,

Comparison of the Spectroscopic and Structural Properties of $MgA_{l2}O_4 : Nd^{3+}$ Ceramics Prepared with Different Methods. (C)

10th Laser Ceramics Symp. (LCS) on Transparent Ceramics for Photonic Applications, Wrocław, PL, 2014.12 01–05

94. **R. Lemański**, K.Ziegler,

Unconventional Electron Conductivity Induced by Temperature. (C)

38th Int.Conf.of Theoretical Physics: Correlations and Coherence at Different Scales Ustroń, PL, 2014.09 05–10

95. **K. Lenczewska**,

Synteza oraz wpływ temperatury wygrzewania i zawartości domieszki jonów Bi^{3+} na własności strukturalne i spektroskopowe nanokryształów GdVO4 : Eu3+. [] (C)

II Og.-pol. Forum Chemii Nieorganicznej [2nd Polish Forum of Inorganic Chemistry] „Horyzonty Chemii" /Wrocław, PL, 2014.11 07–10

96. **K. Lenczewska**,

The Generation of White Light in Glass-Ceramics Containing $GdVO_4 : Eu^{3+}$ and $YAG : Ce^{3+}$ Nanocrystals. (P)

10th Laser Ceramics Symp. (LCS2014) on Transparent Ceramics for Photonic Applications, Wrocław, PL, 2014.12 01–05

97. **K. Lenczewska**, **Yu.Gerasymchuk**, N.Vu, **D. Hreniak**,

The Influence of Annealing Effect and Co-doping with Bi^{3+} Ions for Structural and Luminescence Properties of $GdVO_4 : Eu^{3+}$ Nanocrystals. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

98. **R. Lisiecki**, **J. Komar**, **P. Solarz**, **W. Ryba-Romanowski**, M.Berkowski,

Effect of Temperature on Spectroscopic Properties of $La_3Ga_{5.5}Ta_{0.5}O_{14} : Er^{3+}$ Single Crystal. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

99. **R. Lisiecki**, **J. Komar**, **W. Ryba-Romanowski**, M.Berkowski,

Evaluation of Spectrocopic Parameters Relevant to Achievement of Yellow-Red Light Amplification in Selected Oxide Crystals Doped with Samarium and Dysprosium. (P)

2nd Int.Conf.on Application of Optics & Photonics (AOP 2014) Aveiro, PT, 2014.05 26–30

100. F.A.López-Cota, J.A.Díaz-Guillén, **J. Hanuza**, **M. Mączka**, A.F.Fuentes,

Mechanochemical Synthesis and Electrical Properties of Hafnates Ln2Hf2O7 . (P)

5th Int.Conf.on Advanced Nanomaterials (ANM2014) Aveiro, PT, 2014.07 02–04

101. **M. Łukaszewicz**, **P. Głuchowski**, **B. Cichy**, **W. Stręk**,

Persistent Photoconductivity in Graphene Ceramics. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

102. **T. Lukianova**, **V. Kinzhybalo**, **A.Pietraszko**,

Synthesis, Crystal Structure and Physical Properties of Novel Organically Templated Metal Sulfate Frameworks. (P)

56. Konwers. Krystalograficzne [56th Polish Crystallographic Meet.] Wrocław, PL, 2014.06 26–27

103. **T.J. Lukianova**, **A.Pietraszko**, **V. Kinzhybalo**,

Synteza, struktura i właściwości nowego polimeru koordynacyjnego heksamethylenotetraminy z mrówczanem miedzi(II). [?.] (P)

II Og.-pol. Forum Chemii Nieorganicznej [2nd Polish Forum of Inorganic Chemistry] „Horyzonty Chemii" /Wrocław, PL, 2014.11 07–10

104. **A.Łukowiak**, A.Chiappini, A.Chiasera, I.Vasilchenko, C.Armellini, I.Battisha, D.Dorosz, G.C.Righini, M.Marciniak, **W. Stręk**, M.Ferrari,

Sol–Gel as a Useful Technique for Fabrication of Erbium-Activated Photonic Structures. (I)

E-MRS 2014 Fall Meet., Symp. P – Advanced Functional Materials, Warsaw, PL, 2014.09 15–19

105. **A.Łukowiak**, D.Ristić, A.Chiappini, **R.J. Wiglusz**, **A.Bednarkiewicz**, M.Ferrari, **W. Stręk**,

Energy Transfer in Rare-Earth-Doped Tetraphosphates. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

106. **A.Łukowiak**, I.Vasilchenko, S.Normani, A.Chiappini, A.Chiasera, C.Armellini, C.A.Duverger, B.Boulard, **R.J. Wiglusz**, S.Pelli, I.K.Battisha, F.Prudenzano, G.C.Righini, M.Marciniak, M.Ferrari,

Glass-Ceramics for Photonics: Advances and Perspectives. (I)

6th Sub-Wavelength Photonics Conf. (SWP) 16th Int.Conf.on Transparent Optical Networks (ICTON '14) Graz, AT, 2014.07 06–10

107. **A.Łukowiak**, **R.J. Wiglusz**, T.Grzyb, **W. Stręk**, A.Chiappini, M.Ferrari,

Luminescent Properties of Pr-Doped Tetraphosphate Powders. (P)

5th Int.Worksh.on Photoluminescence in Rare Earths (PRE'14): Photonic Materials & Devices, San Sebastian, ES, 2014.05 13–16

108. **L.Macalik**, P.Ropuszyńska-Robak, **L.Kępiński**,

Alkali Metal Impact on Structural and Spectroscopic Properties of Er^{3+} and Tm^{3+}–Doped $MY(WO_4)_2$ ($M = Li^+, Na^+, K^+$) Nanoparticles. (P)

XLVI Og.-pol. Kolokwium Katalityczne [46th Polish Ann.Conf.on Catalysis] Cracow, PL, 2014.03 19–21

109. **M. Mączka**, W.Paraguassu, **K. Hermanowicz**, P.T.C.Freire, **B. Macalik**, **J. Hanuza**,

Temperature- and Pressure-Induced Phase Transitions in the Metal Formate Framework of $[ND_4][Zn(DCOO)_3]$ and $[NH_4][Zn(HCOO)_3]$. (P)

24th Int.Conf.on Raman Spectroscopy (XXIV.ICORS) Jena, DE, 2014.08 10–15

110. **M. Mączka**, **M. Ptak**, **A.Gągor**, **B. Macalik**, **A.Pikul**, **J. Hanuza**,

Multiferroicity in Metal-Organic Frameworks (MOF) Based on Perovskite Metal Formates $[(CH_3)_2NH_2][M(HCOO)_3]$ and Deuterated Formates $[(CH_3)_2ND_2][M(HCOO)_3]$ ($M = Mn, Ni$). (P)

24th Int.Conf.on Raman Spectroscopy (XXIV.ICORS) Jena, DE, 2014.08 10–15

111. **E. Maievskyi**, **M. Ciszek**,

Magnetization losses in high temperature superconducting tapes due to AC and DC magnetic fields. (C)

Worksh.on Radiation Effects in Superconducting Magnets and Materials 2014 (RESMM'14) Wrocław, PL, 2014.05 12–15

112. **E. Maievskyi**, **M. Ciszek**,

Hysteretic Loss Minimum in Colinear AC and DC Magnetic Fields Subjected Perpendicular to the Plane of HTSC Tapes. (P)

Applied Superconductivity Conf. 2014 (ASC'14) Charlotte, NC, US, 2014.08 10–15

113. **M.A.Małecka**, **L.Kępiński**

Tekstura nośnika katalitycznego γ-Al_2O_3 – ważny element w określaniu stabilności termicznej katalizatorów $Ce_{1-x}Ln_xO_{2-y}$-Al_2O_3 . [Gamma-Al_2O_3 Support Moulding – Important Variable in Thermal Stability Determination of $Ce_{1-x}Ln_xO_{2-y}$-Al_2O_3 Catalyst.] (P)

XLVI Og.-pol. Kolokwium Katalityczne [46th Polish Ann.Conf.on Catalysis] Cracow, PL, 2014.03 19–21

114. **M.A.Małecka**, **L.Kępiński**,

New, Hexagonal Polymorph of $CeAlO_3$ Identified in CeO2–Al_2O_3 Heated in Hydrogen. (P)

18th Int. Microscopy Congr., Prague, CZ, 2014.09 07–12

115. **Ł.Marciniak**, Y.Guyot, **D. Hreniak**, **W. Strek**,

Temperature of White Emitting $LiYb_{0.99}Er_{0.01}P_4O_{12}$ Nanocrystals. (C)

[17th] Int.Conf.on Luminescence (ICL'14) Wrocław, PL, 2014.07 13–18

116. **Ł.Marciniak**, **D. Hreniak**, Y.Guyot, G.Boulon, **W. Stręk**,

Spectroscopic Properties of $KLa_{1-x}Eu_xP_4O_{12}$ Nanocrystals. (P)

5th Int.Worksh.on Photoluminescence in Rare Earths (PRE'14): Photonic Materials & Devices, San Sebastian, ES, 2014.05 13–16

117. **Ł.Marciniak**, **D. Hreniak**, **W. Stręk**,

Spectroscopic Properties of Eu-Doped Nanostructural Phosphates for White Light-Emitting Devices. (I)

5th Int.Worksh.on Photoluminescence in Rare Earths (PRE'14): Photonic Materials & Devices, San Sebastian, ES, 2014.05 13–16

118. **Ł.Marciniak**, **D. Hreniak**, **W. Strek**, **P. Głuchowski**, J.Cichos, M.Karbowiak, M.Pedroni, F.Piccinelli, M.Bettinelli, A.Speghini,

The Influence of Method of Synthesis on Structure and Morphology of $CaTiO_3 : Pr^{3+}, Zn^{2+}$. (P)

56. Konwers. Krystalograficzne [56th Polish Crystallographic Meet.] Wrocław, PL, 2014.06 26–27

119. **Ł.Marciniak**, **D. Hreniak**, **W. Stręk**, **P. Głuchowski**, J.Cichos, M.Karbowiak, M.Pedroni, F.Piccinelli, M.Bertinelli, A.Speghini,

Spectroscopic Properties of $CaTiO_3 : Pr^{3+}, Zn^{3+}$. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

120. **Ł.Marciniak**, **M. Stefański**, **R. Tomala**, **D. Hreniak**, **W. Stręk**,

Up-conversion Emission from $KLa_{0.95-x}Er_{0.05}Yb_xP_4O_{12}$ and $La_{0.95-x}Er_{0.05}Yb_xP_5O_{14}$ Nanocrystals. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

121. **Ł.Marciniak**, **M. Stefański**, **R. Tomala**, **D. Hreniak**, **W. Stręk**,

The Impact of the Pressure on Spectroscopic Properties of Sr_2CeO_4 Nanocrystals. (C)

10th Laser Ceramics Symp. (LCS2014) on Transparent Ceramics for Photonic Applications, Wrocław, PL, 2014.12 01–05

122. A.Matraszek, **A.Watras**, P.Godlewska, E.Radomińska, I.Szczygieł, **P.J. Dereń**, **L.Macalik**, **J. Hanuza**,

Structural, Raman, FT-IR, and Optical Properties of $Rb_3Y_2(PO_4)_3$ and $Rb_3La(PO_4)_2$ Doped with Eu^{3+} Ions. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

123. **O. Mendiuk**, **L.Kępiński**

Wpływ zawartości domieszki oraz metody syntezy na strukturę i morfologię nanokrystalicznego $Ce_{1-x}Ln_xO_{2-y}$. [Effect of the Amount of Dopant and the Synthesis Method on Structure and Phase Composition of Nanocrystalline $Ce_{1-x}Ln_xO_{2-y}$.] (P)

56. Konwers. Krystalograficzne [56th Polish Crystallographic Meet.] Wrocław, PL, 2014.06 26–27

124. **O. Mendiuk**, **L.Kępiński**,

Transmission Electron Microscopy of Nanomaterials. Observation of Morphology Changes of $Ce_{1-x}RE_{2-y}$ under Different Synthesis Conditions. (P)

14th Transmission Electron Microscopy, Univ.of Cádiz Eur.Summ.Sch. (14th-TEM-UCA) Cádiz, ES, 2014.07 14–18

125. **O. Mendiuk**, **L.Kępiński**,

Effect of the Amount of Dopant and the Synthesis Method on Structure and Morphology of Nanocrystalline $Ce_{1-x}RE_xO_{2-y}$(Gd, Tb). (P)

18th Int. Microscopy Congr., Prague, CZ, 2014.09 07–12

126. E.Mendoza-Mendoza, S.M.Montemayor, **A.Bednarkiewicz**, **M. Mączka**, A.F.Fuentes,

Milling and Molten Salts: Pure and Doped LaAlO3 Nanoparticles at Very Low Temperatures. (?)

5th Int.Conf.on Advanced Nanomaterials (ANM2014) Aveiro, PT, 2014.07 02–04

127. N.Miniajluk, **P. Tomaszewski**,

Przemiana rozmiarowa w $LaMnO_3$. [?.] (P)

56. Konwers. Krystalograficzne [56th Polish Crystallographic Meet.] Wrocław, PL, 2014.06 26–27

128. **M. Misiak**, **A.Bednarkiewicz**,

Influence of Calcium Ions Doping on Structural and Luminescent Properties of α-$NaYF_4$ Nanocrystals Doped with Yb^{3+} and Tm^{3+}. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

129. T.Musiał, **J. Janczak**, V.Videnova-Adrabińska,

Influence of the Metal Ion on the Structure of Four Novel Coordination Polymers Based on 5-Sulfoisophthalic Acid. (P)

56. Konwers. Krystalograficzne [56th Polish Crystallographic Meet.] Wrocław, PL, 2014.06 26–27

130. R. Nikonkov, **P. Stachowiak**, **A.Jeżowski**,

Thermal Properties of Simple Van der Waals Crystal-Based Nanocomposite Materials. (P)

10th Conf.on Cryocrystals and Quantum Crystals (CC 1014) Almaty, KZ, 2014.08 31 –.09 08

131. A.Nowak, **J. Janczak**, V.Videnova-Adrabińska,

Supramolecular Synthons and Networks Formed between 5-Sulfoisophthalic Acid and Variable Aminopyridines. Part I (P)

56. Konwers. Krystalograficzne [56th Polish Crystallographic Meet.] Wrocław, PL, 2014.06 26–27

132. A.Nowak, **J. Janczak**, V.Videnova-Adrabińska,

Supramolecular Synthons and Networks Formed between 5-Sulfoisophthalic Acid and Variable Aminopyrimidines. Part II (P)

56. Konwers. Krystalograficzne [56th Polish Crystallographic Meet.] Wrocław, PL, 2014.06 26–27

133. **B. Nowak**, **D. Kaczorowski**,

Topologically Trivial / Nontrivial Half-Heusler Compounds: NMR Probe of Band Inversion. (P)

19th Int.Conf.on Solid Compounds of Transition Elements (SCTE '14) Genova, IT, 2014.06 21–26

134. **B. Nowak**, **D. Kaczorowski**,

NMR as a Probe of Band Inversion in Topologically Nontrivial Half-Heusler Phases. (P)

27th Int.Conf.on Low Temperature Physics (LT-27) Buenos Aires, AR, 2014.08 06–13

135. **K. Oganisian**, **P. Głuchowski**, K.Orzechowski, A.Vogt, **W. Stręk**,

Radiofrequency Characteristics of the Soft Magnetic Nanoceramic Fe : BN. (P)

Eur.Conf. Physics of Magnetism 2014 (PM '14) Poznań, PL, 2014.06 23–27

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Thermopower Studies of the Multiband Superconductors. (P)

7th Int.Conf.on Science & Engineering of Novel Superconductors (subs. 6th Forum on New Materials) Montecatini Terme, IT, 2013.06 15–19

137. B.V.Padlyak, **W. Ryba-Romanowski**, **R. Lisiecki**,

Spectroscopy of the Nd-Doped Borate Glass. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

138. G.Palma, L.De Palma, T.Yano, V.Nazabal, T.Kishi, A.Moreac, M.Ferrari, D.Ristic, **A.Łukowiak**, G.C.Righini, G.N.Conti, F.Prudenzano,

Fiber Coupled Erbium Doped Microsphere: NIR and Mid-IR Wavelength Ranges. (?)

6th Sub-Wavelength Photonics Conf. (SWP) 16th Int.Conf.on Transparent Optical Networks (ICTON '14) Graz, AT, 2014.07 06–10

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XANES and RXES Investigation of Uranium Aluminides. (C)

44èmes Journées des Actinides (44th JdA) Ein-Gedi, IL, 2014.04 22–29

140. **O. Pavlosiuk**, K. Filar, **P. Wiśniewski**, **D. Kaczorowski**,

Magnetic Order and *SdH* Effect in Half-Heusler Phase ErPdBi. (P)

Eur.Conf. Physics of Magnetism 2014 (PM '14) Poznań, PL, 2014.06 23–27

141. **O. Pavlosiuk**, **P. Wiśniewski**, **D. Kaczorowski**,

Superconductivity and Shubnikov–de Haas Oscillations in the Noncentrosymetric Half-Heusler Compound YPtBi. (P)

Int.Conf.on Strongly Correlated Electron Systems (SCES '14) Grenoble, FR, 2014.07 07–11

142. **I. Pawlak**, **Ł.Marciniak**, **D. Hreniak**

Synthesis and Luminescent Properties of Er^{3+}-Doped $Y_{3(1-x)}Er_{3x}Al_5O_{12}$ and $Y_{1-x}Er_xAlO_3$ Nanocrystals. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

143. **K. Pawlus**, **M. Daszkiewicz**,

Struktura krystaliczna i badania spektroskopowe *bis*-(diwodoroarsenianu(V)) L-argininy, kryształu o potencjalnych nieliniowych właściwościach optycznych. [?.] (P)

56. Konwers. Krystalograficzne [56th Polish Crystallographic Meet.] Wrocław, PL, 2014.06 26–27

144. **R. Pązik**, **Ł.Marciniak**, **M. Małecka**, **R.J. Wiglusz**,

Solubility Limitation and Grain Size Effect on the Structural and Up-conversion Properties of SrTiO3 : Er3 + /Yb3+ Nanoparticles. (P)

6th Int.Conf.on Optical, Optoelectronic, and Photonic Materials and Applications (ICOOPMA 2014) Leeds, ENG, UK, 2014.07 27 –.08 01

145. **R. Pązik**, **P. Sobierajska**, **K. Zawisza**, **P. Głuchowski**, **R.J. Wiglusz**,

Synthesis and Optical Properties of $Ca_{10}(PO_4)_6(OH)_2$ Nanopowder and Nanoceramics Doped with Eu^{3+} Ions Prepared by a High Pressure Sintering Technique: Efect of Grain Size and Strains. (P)

10th Laser Ceramics Symp. (LCS 2014) on Transparent Ceramics for Photonic Applications, Wrocław, PL, 2014.12 01–05

146. **E. Piasecka**, **R. Pązik**, **M. Małecka**, B.Idzikowski, Z.Śniadecki, **R.J. Wiglusz**,

Non-Hydrolytic Synthesis of Synthetic MFe_2O_4 ($M \equiv Mn^{2+}, Fe^{2+}, Co^{2+}, Ni^{2+}$) Ferrite Spinel and Their Incorporation into the Polymeric Matrix. (P)

Eur.Conf. Physics of Magnetism 2014 (PM '14) Poznań, PL, 2014.06 23–27

147. **A.Pilch**, D.Wawrzyńczyk, K.Prorok, **M. Kurnatowska**, **A.Bednarkiewicz**,

Energy Transfer Up-conversion Enhancement in Heterogeneously Rare-Earth Doped *Active-Core Active-Shell* (ACAS) **Nanoparticles.** (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

148. W.A.Pisarski, J.Pisarska, T.Goryczka, **R. Lisiecki**, **W. Ryba-Romanowski**,

Influence of PbF_2 Concentration on Thermal and Optical Properties of Lead Phosphate Glasses Doped with Er^{3+}. (P)

5th Int.Worksh.on Photoluminescence in Rare Earths (PRE '14): Photonic Materials & Devices, San Sebastian, ES, 2014.05 13–16

149. **T. Plackowski†**, **D. Kaczorowski**, **M. Szlawska**, **J. Sznajd**,

On the Search for a Lifshitz Point in UPd_2Si_2. (C)

44èmes Journées des Actinides (44th JdA) Ein-Gedi, IL, 2014.04 22–29

150. E.F.Pliński, B.Szcześniak-Sięga, B.Fuglewicz, K.Nowak, B.Szlachetko, P.P.Jarząb, G.Beziuk, L.Sterczewski, W.Malinka, **J. Baran**, **M. Drozd**, M.P.Grzelczak, M.Hruszowiec, S.Plińska,

Thermodynamics of New Piroxicam Derivatives in Terahertz Light. (P)

39th Int.Conf.on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz 2014) Tucson, AZ, US, 2014.09 14–19

151. D.Pogoda, **J. Janczak**, V.Videnova-Adrabińska,

Badania strukturalne kokrystalicznych form tautometrycznych 4-amino-N-(4,6-dimetylooirymid-2-ylo-)-benzeno-1-sulfonamidu. [?.] (P)

56. Konwers. Krystalograficzne [56th Polish Crystallographic Meet.] Wrocław, PL, 2014.06 26–27

152. D.Pogoda, **J. Janczak**, V.Videnova-Adrabińska,

Badania strukturalne i spektroskopowe polimorficznej formy 2-[(5-nitrofuran-2-ylo)-metyleno]-hydrazokarboksamidu. [?.] (P)

56. Konwers. Krystalograficzne [56th Polish Crystallographic Meet.] Wrocław, PL, 2014.06 26–27

153. A.Pogrebna, T.Mertelj, **Z. Bukowski**, D.Mihailović,

Spin–Lattice Coupling in Superconductive Pnictide $Eu(Fe_{1-x}Co_x)_2As_2$. (C)

4th Int.Conf.on Superconductivity and Magnetism (ICSM 2014) Antalya, TR, 2014.04 27 –.05 02

154. M.Połomska, B.Hilczer, J.Wolak, **A.Pietraszko**, M.Balcerzak, M.Jurczyk, J.Jakubowicz,

XRD and Raman Spectroscopy Studies of $(Bi_{1-x}La_xFeO_3)_{0.5}(PbTiO_3)_{0.5}$ Solid Solution. (P)

XXI Czech–Polish Semin.on Structural and Ferroelectric Phase Transitions, Sezimovo Ústí, CZ, 2014.05 19–23

155. K.Prorok, **A.Bednarkiewicz**,

Energy Migration Upconversion in *Active-Core / Active-Shell* $NaYbF_4 : Tb^{3+}$@ $NaYbF_4 : Nd^{3+}$ Colloidal Nanoparticles. (P)

Int.Conf.on Fluorescent Up-converting Nanoparticles: a Platform for Energy and Biomedical Applications (FUN 2014) Torremolinos, ES, 2014.06 04–06

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Energy Migration Up-conversion in *Active-Core @ Active-Shell* $NaYbF_4 : Tb^{3+}$ @ $NaYbF_4 : Nd^{3+}$ Colloidal Nanoparticles. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

157. **B. Przybył, J. Janczak**,

Crystalline Complexes of Zinc Phthalocyanine with *n*-Alkylamines. (P)

8th Int.Conf.on Porphyrins & Phthalocyanines (ICPP-8) İstanbul, TR, 2014.06 22–27

158. **M. Ptak, M. Mączka, J. Hanuza**,

Order–Disorder Phase Transition in $[(CH_3)_2NH_2]Na_{0.5}Fe_{0.5}(HCOO)_3$ Studied by IR and Raman Spectroscopy. (P)

32nd Eur.Congr.on Molecular Spectroscopy (EUCMOS XXXII) Düsseldorf, DE, 2014.08 24–29

159. S.Pukas, B.Belan, M.Manyako, Ya.Tokaychuk, **D. Kaczorowski**, R.Gladyshevskii,

Crystal Structure and Magnetic Properties of $PrNi_9Si_4$. (P)

Eur.Conf. Physics of Magnetism 2014 (PM '14) Poznań, PL, 2014.06 23–27

160. W.Raróg-Pilecka, M.Zybert, E.Truszkiewicz, M.Maraszek, M.Wściseł, B.Mierzwa, **L.Kępiński**

Katalizatory do syntezy amoniaku osadzone na węglu. Czułość strukturalna reakcji. [Carbon-Supported Catalysts for Ammonia Synthesis. Structural Reaction Sensitivity.] (L)

XLVI Og.-pol. Kolokwium Katalityczne [46th Polish Ann.Conf.on Catalysis] Cracow, PL, 2014.03 19–21

161. D.Ristić, **A.Łukowiak**, A.Chiasera, A.Chiappini, M.Iwanda, P.Feron, G.Cibiel, G.C.Righini, M.Ferrari,

Red Glass-Based Microcavities Enabling Luminescence Control. (I)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

162. **K. Rogacki, H. Lochmajer, M. Matusiak**, G. Urbanik, P.Przysłupski,

Superconductivity and Ferromagnetism in Nano-Sized Heterostructures. (P)

27th Int.Conf.on Low Temperature Physics (LT-27) Buenos Aires, AR, 2014.08 06–13

163. **K. Rogacki, K. Oganisian**, N.D.Zhigadlo, J.Karpinski,

Two-Band Superconductivity in MgB_2 Controlled by Charge Doping and Band Scattering. (C)

Eur.Conf. Physics of Magnetism 2014 (PM '14) Poznań, PL, 2014.06 23–27

164. **T. Romanova, P. Stachowiak, A.Jeżowski**,

Low Temperature Thermal Conductivity of Solid Ammonia. (P)

"Condensed Matter in Paris 2014" Paris, FR, 2014.08 24–29

165. **T. Romanova, P. Stachowiak, A.Jeżowski**,

Heat Transfer in Ar- and N_2-Doped Solid CO. (P)

10th Conf.on Cryocrystals and Quantum Crystals (CC 1014) Almaty, KZ, 2014.08 31 –.09 08

166. P.Ropuszyńska-Robak, **L.Macalik**, **W. Ryba-Romanowski**, **J. Komar**, **J. Hanuza**,

Synthesis and Luminescence Behaviour of Rare-Earth Doped Potassium and Sodium Yttrium Double Tungstate Nanopowders. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

167. **A.Rudenko**, **Ł.Bochenek**, **P. Wiśniewski**, **Z. Henkie**, **T. Cichorek**,

Indication of Field-Driven Critical End Point in Ferromagnetic $NdOs_4As_{12}$. (P)

27th Int.Conf.on Low Temperature Physics (LT-27) Buenos Aires, AR, 2014.08 06–13

168. **A.Rudenko**, A.Szewczyk, **Z. Henkie**, **T. Cichorek**,

Low-Lying Thermal Excitations on the Border of Ferromagnetism in the Filled Skutterudite $NdOs_4As_{12}$. (P)

Eur.Conf. Physics of Magnetism 2014 (PM '14) Poznań, PL, 2014.06 23–27

169. G.Ruíz-Juárez, S.M.Montemayor, J.I.Escalante-García, **L.Kępiński**, **M. Mączka**, A.F.Fuentes,

Low-Temperature Synthesis and Characterization of M(II)-Doped $BiVO_4$ Nanoparticles (M = Co, Ni, and Cu). (P)

5th Int.Conf.on Advanced Nanomaterials (ANM2014) Aveiro, PT, 2014.07 02–04

170. **W. Ryba-Romanowski**,

Structural Peculiarities and Spectroscopic Characterization of $(Lu_xGd_{1-x})_2SiO_5$ Single Crystals Doped with Rare Earth Ions. (I)

LVII Zj.Pol. Towarzystwa Chemicznego i Stowarzyszenia Inżynierów i Techników Przemysłu Chemicznego [57th Congr. Polish Chemical Society] Częstochowa, PL, 2014.09 14–18

171. **W. Ryba-Romanowski**, **T. Niedźwiedzki**, **J. Komar**, **R. Lisiecki**, M.Świrkowicz,

Optical Study of YVO_4 Single Crystal Co-Doped with Tm^{3+} and Eu^{3+}. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

172. **W. Ryba-Romanowski**, **A. Strzęp**, M.Berkowski, H.Rodriguez-Rodriguez, I.R.Martin,

Structural Peculiarities and Emission Features of Sm^{3+} Doped LGSO Crystals Relevant to Potential Visible Laser Operation. (C)

5th Int.Worksh.on Photoluminescence in Rare Earths (PRE '14): Photonic Materials & Devices, San Sebastian, ES, 2014.05 13–16

173. **M. Sahakyan**, **V.H. Tran**,

Electronic Band Structure of Ru_3Sn_7. (P)

Eur.Conf. Physics of Magnetism 2014 (PM '14) Poznań, PL, 2014.06 23–27

174. **M. Samsel-Czekała**, E.Talik, M.Pasturel, **R.Troć**,

Electronic Structure of Cage-Like Compound UFe_2Al_{10} – Theory and XPS Experiment. (C)

44èmes Journées des Actinides (44th JdA) Ein-Gedi, IL, 2014.04 22–29

175. **M. Samsel-Czekała**, **M.J. Winiarski**, A.Ciechan,

Magnetism and Superconductivity in Strained and Doped Iron Chalcogenides. (I)

Int.Conf. "From Spins to Cooper Pairs: New Physics of the Spins" (StoCP-2014) Zakopane, PL, 2014.09 22–26

176. A.V.Semchenko, V.V.Sidsky, A.G.Rybakov, V.V.Kolos, A.S.Turtsevich, **W. Stręk**,

Influence of Heat Treatment on Structural Properties of $SrBi_2Ta_2O_9$-Powders Using Eu^{3+}-Ion as Sensitive Probe. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

177. A.V.Semchenko, V.V.Sidsky, E.P.Zaretskaya, V.B.Zalesski, V.V.Kolos, A.S.Turtsevich, **W. Stręk**,

Dependence of Luminescence Properties of Zno / Al : Eu^{2+} Sol–Gel Films on Their Structure. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

178. S.K.Sharma, A.Bessiere, D.Gourier, G.Sraiki, B.Viana, **P.J. Dereń**, **D. Rudnicka**, **A.Watras**, N.Basavaraju, K.R.Priolkar, T.Maldiney, D.Scherman, C.Richard,

Optical Properties and Storage Capabilities in $AB_2O_4 : Cr^{3+}$ ($A = Zn, Mg$, $B = Ga, Al$).

5th Conf.on Oxide-based Materials and Devices, San Francisco, CA, US, 2014.02 01–0?

179. M.Sobczyk, M.Guzik, K.Korzeniowski, V.M.Amirkhanov, V.A.Trush, P.Gawryszewska, Y.Guyot, G.Boulon, **W. Stręk**, J.Legendziewicz,

Spectral Characteristic and Crystal-Field Calculations for New Er(III) Phosphor of the Type $[Er(SP)_4]^-$ (where $C_6H_5S(O)_2NP(O)(OCH_3)_2^-$). (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

180. **P. Sobierajska**, **R. Pązik**, **K. Zawisza**, **P. Głuchowski**, **R.J. Wiglusz**,

Synthesis, Structure and Optical Properties of Eu^{3+}– Doped $Ca_{10}(PO_4)_6F_2$ Nanocrystalline Powders Obtained Using Microwave Stimulated Technique and Ceramics Prepared by High Pressure Sintering Process. (P)

10th Laser Ceramics Symp. (LCS 2014) on Transparent Ceramics for Photonic Applications, Wrocław, PL, 2014.12 01–05

181. **P. Solarz**, **W. Ryba-Romanowski**, **R. Lisiecki**, M.Berkowski,

Spectroscopy of $Gd_3Ga_3Al_2O_{12}$ Doped with Samarium. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

182. **P. Stachowiak**, **A.Jeżowski**, R. Nikonkov, **T. Romanova**,

Investigations of Thermal Properties of Simple Van der Vaals Crystal Based Nanocomposites. (P)

10th Conf.on Cryocrystals and Quantum Crystals (CC 1014) Almaty, KZ, 2014.08 31 –.09 08

183. **D. Stefańska**, **A.Kubiak**, **W. Walerczyk**, **P.J. Dereń**,

Spectroscopic properties of K4SrSi3O9 doped with Sm3+. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

184. **D. Stefańska**, **M. Stefański**, **W. Walerczyk**, **P.J. Dereń**,

Synthesis and Luminescence Properties of New Phosphor $Mg_{0.5}Ca_2Si_{1.5}AlO_7 : Eu^{2+}$. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

185. **M. Stefański**, **Ł.Marciniak**, **W. Stręk**, **D. Hreniak**,

Synthesis and Luminescent Properties of Eu^{3+}-Doped Sr_2CeO_4 Nanocrystals. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

186. **M. Stefański**, **W. Stręk**, **Ł.Marciniak**, **R. Tomala**, **D. Hreniak**,

White Emission from Sr_2CeO_4 Nanocrystals. (P)

10th Laser Ceramics Symp. (LCS 2014) on Transparent Ceramics for Photonic Applications, Wrocław, PL, 2014.12 01–05

187. **W. Stręk**, **P. Głuchowski**, **Ł.Marciniak**, **D. Hreniak**,

Transparent Nanoceramics for Optical Applications. (I)

13th Int. Ceramics Congr. (CIMTEC 2014) Montecatini Terme, IT, 2013.06 08–13

188. **W. Stręk**, E.Reszke, **P. Psuja**, **D. Hreniak**, **M. Skrajnowska**,

Intense White Electroluminescence of Na^+-Doped Silica Gel. (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

189. **A.Strzęp**, **W. Ryba-Romanowski**, M.Berkowski,

Spectral Properties of Praseodymium -Doped Gadolinium Oxyorthosilicate (GSO) **Single Crystal.** (P)

[17th] Int.Conf.on Luminescence (ICL '14) Wrocław, PL, 2014.07 13–18

190. **A. Strzęp**, **W. Ryba-Romanowski**, **R. Kowalski**, M.Berkowski,

Excitation Processes and Energy Transfer in $(Lu_xGd_{1-x})_2SiO_5 : RE$ ($RE = Sm, Dy$) Crystals Co-doped with Ce. (C)

5th Int.Worksh.on Photoluminescence in Rare Earths (PRE'14): Photonic Materials & Devices, San Sebastian, ES, 2014.05 13–16

191. I.Szczygieł, A.Matraszek, **L.Macalik**, **J. Hanuza**,

Optical and Structural Characterization of $Na_3Ln_{1-x}Yb_x(PO_4)_2$ Orthophosphates Synthesized by Pechini Method ($Ln = Y, La, Gd$). (P)

11th Conf.on Solid State Chemistry, Trenčianske Teplice, SK, 2014.07 06–11

192. **D. Szewczyk**, **A.Jeżowski**,

Thermal Conductivity of Disordered Molecular Crystals with Glass Transition. (P)

"Condensed Matter in Paris 2014" Paris, FR, 2014.08 24–29

193. **D. Szewczyk**, **A.Jeżowski**,

Glassy Crystals of Adamantane Derivatives Induced by Thermal Treatment. (L)

10th Conf.on Cryocrystals and Quantum Crystals (CC 1014) Almaty, KZ, 2014.08 31 –.09 08

194. **A.Szmyrka-Grzebyk**, **A.Kowal**,

Laboratory of Temperature Standard at the Institute of Low Temperature and Structure Research – DI in Poland. (C)

EURAMET TC-Thermometry Ann.Meet. (TC-T 2014) Cavtat (Dubrovnik), HR, 2014.04 02–04

195. **A.Szmyrka-Grzebyk A.Kowal**, **A.Grykałowska**,

Geneza i założenia projektu MeteoMet. [Genesis and Fundamentals of MeteoMet Project.] (L)

Og.-Pol.Semin. „Problemy pomiarów w meteorologii" [Polish Semin.on Problems of Measurements in Meteorology] (JRP ENV07 MeteoMet Project) Wrocław, PL, 2014.06 24

196. A.Szytuła, S.Baran, **D. Kaczorowski**, W.Sikora,

Magnetic Properties and Ordering in Tm5Ni2In4. (P)

Eur.Conf. Physics of Magnetism 2014 (PM'14) Poznań, PL, 2014.06 23–27

197. B.M.Tchoula Tchokonté, K.A.Bashir, D.Britz, M.A.Strydom, **D. Kaczorowski**,

Electrical and Thermal Transport Properties of the Alloy System $Ce_{1-x}La_xCu_4In$. (P)

Int.Conf.on Strongly Correlated Electron Systems (SCES'14) Grenoble, FR, 2014.07 07–11

198. I.S.Tereshina, E.A.Tereshina, M.Doerr, I.A.Pelevin, I.V.Telegina, A.I.Smarzhevskaya, **H. Drulis**,

The Influence of Hydrogen Absorption on Magnetic Anisotropy of $R_2Fe_{17}H_{3-x}$ ($R = Tb, Dy$). (C)

Moscow Int.Symp.on Magnetism 2014, Moscow, RU, 2014.06 29 –.07 03

199. **R. Tomala**, **Ł.Marciniak**, **W. Stręk**,

Catodoluminescence Spectra in Visible Range of$La_{1-x}Nd_xP_5O_{14}$ Nanocrystals. (P)

[17th] Int.Conf.on Luminescence (ICL'14) Wrocław, PL, 2014.07 13–18

200. **R. Tomala**, **Ł.Marciniak**, **W. Stręk**, **D. Hreniak**,

Luminescence and Cathodoluminescence Properties of YAG : Eu^{3+} Nanoceramics. (P)

10th Laser Ceramics Symp. (LCS 2014) on Transparent Ceramics for Photonic Applications, Wrocław, PL, 2014.12 01–05

- **P.E. Tomaszewski**,

Prof. Jan Czochralski – krystalograf. [Professor Jan Czochralski – The Crystallographer.] (C)

56. Konwers. Krystalograficzne [56th Polish Crystallographic Meet. – PCS Sci.Sess.] Wrocław, PL, 2014.06 26–27

- **P.E. Tomaszewski**,

Dorobek *Roku Jana Czochralskiego*. [?] (P)

56. Konwers. Krystalograficzne [56th Polish Crystallographic Meet.] Wrocław, PL, 2014.06 26–27

201. **L.M. Tran**, **Z. Bukowski**, **A.J. Zaleski**, **V.H. Tran**,

Interplay between Magnetism and Superconductivity in $Eu_{0.73}Ca_{0.27}(Fe_{0.87}Co_{0.13})_2As_2$. (C)

2nd Japan–EU Super Iron *Student Worksh. [on Iron-based Superconductors]* Tsukuba,JP, 2014.04 06–08

202. **L.M. Tran**, A.Cusson, A.Błachowski, K.Ruebenbauer, J.Żukrowski, **Z. Bukowski**, **V.H. Tran**, **A.J. Zaleski**,

Relationship between Magnetic Structure and Physical Properties in Co– and Ca–Doped $EuFe_2As_2$ Compounds. (L)

11th Prague Colloq.on f-Electron Systems (PCfES 2014) Prague, CZ, 2014.07 02–05

203. **V.H. Tran**,

Electronic Structure of Selected Strongly Correlated Electron Systems. (I)

1st Int.Conf.on Computational Science and Technology (ICCST 2014) Warszawa, PL, 2014.05 15–16

204. **V.H. Tran**,

Magnetic Phase Diagram and Evolution of Non-Fermi Liquid State in $URu_{1-x}Pd_xGe$. (L)

11th Conf.on Solid State Chemistry, Trenčianske Teplice, SK, 2014.07 06–11

205. **V.H. Tran**,

Coexistence of Ferromagnetism and Kondo Effect in f-Electron Intermetallic Compounds. (L)

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Evolution of a Non-Fermi-Liquid State in the Pseudo-Ternary Solid Solutions $URu_{1-x}Pd_xGe$. (C)

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The Search for Magnetic Quantum Criticality in Pseudo-Ternaries $URu_{1-x}Pd_xGe$. (P)

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Professor Bernard Coqblin (1940–2012). (C)

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213. **A.Watras**, **R. Pązik**, **P.J. Dereń**,

Spectroscopic Properties of $Ca_9NaMg(PO_4)_7 : Eu^{2+}$ Prepared by the Citric Route. Novel Phosphor for *WLED*s (P)

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Struktura krystaliczna, właściwości spektroskopowe i mikrobiologiczne tri-hydratu chlorku poly-[di(2-amino-5-guanidynopentano)(4,4'-dipirydylo)miedzi(II)]. [?.] (P)

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Structure Factor of Ultra-Cold Bosons in Two-Dimensional Optical Lattices. (P)

24th Int.Conf.on Atomic Physics (ICAP 2014) Washington, DC, US, 2014.08 03–08

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An Isostructural Series of Non-centrosymmetric Cobalt(II) **Coordination Polymers: Crystal Structures and Wide-Wavelength** SHG **Activity Measurements.** (P)

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