Instytut Niskich Temperatur
i Badań Strukturalnych PAN

Wrocław, 2020.03 28

LISTA PUBLIKACJI 2017
LIST of PUBLICATIONS

KSIĄŻKI, MONOGRAFIE i ARTYKUŁY PRZEGLĄDOWE
Books, Monographs & Reviews

1. **K. Lemański**,

   Właściwości spektroskopowe nanokryształów perowskitów $LaAlO_3$ oraz $CaTiO_3$ domieszkowanych jonami ziem rzadkich. [Spectroscopic Properties of Perovskites $LaAlO_3$ and $CaTiO_3$Nanocrystals Doped with Rare-Earth Ions.]

   (Wrocław: INTiBS PAN 2017) 103 pp. [in Polish] [ISBN 978-83-939559-0-9]

2. N.S.Sullivan, Y.Tang, C.Parks, **P. Stachowiak**,

   NMR Studies of the Dynamics of ^{3}He on Boron Nitride.

   In: *Boron Nitride: Properties, Synthesis and Applications*, ed. by E. Moran (Hauppauge, NY: NOVA Sci.Publ. 2017) Ch. 8, pp. 203–34. [ISBN 978-1-53611-908-4]

ARTYKUŁY W CZASOPISMACH NAUKOWYCH
Articles in Scientific Journals

3. A.Albalawi, S.Varas, A.Chiasera, H.Gebavi, W.Albalawi, W.Blanc, R.Balda, **A.Łukowiak**, M.Ferrari, S.Taccheo,

   Determination of Reverse Cross-Relaxation Process Constant in Tm-Doped Glass by $^3H_4$ Fluorescence Decay Tail Fitting.

   Opt. Mater. Express **7**$_{10}$ (2017) 3 760–68. [DOI]

4. A.Altayeb, B.M.Sondezi, M.B.Tchoula Tchokonté, A.M.Strydom, T.B.Doyle, **D. Kaczorowski**,

   Evolution from 4f-Electron Antiferromagnetic to Ferromagnetic Order in the $CeCu(Ge_{1-x}Sn_x)$ Alloy Series ($0 \leqslant x \leqslant 1$).

   AIP Adv. **7**$_5$ (2017) # 05 5714 (7). [DOI]

5. M.Antoszczak, **J. Janczak**, B.Brzeziński, A.Huczyński,

   Spectroscopic and Structural Studies of the First Complex Formed between Salinomycin and Organic Amine.

   J. Mol. Struct. **1130** (2017) 719–26. [DOI]

6. M.Antoszczak, **J. Janczak**, J.Rutkowski, B.Brzezinski, A.Huczyński,

   Spectroscopic and Structural Studies of a New *para*-Iodo-*N*-Benzyl Amide of Salinomycin.

   J. Mol. Struct. **1147** (2017) 197–205. [DOI]

7. **V.Apinyan**, **T.K. Kopeć**,

   Density of States in the Bilayer Graphene with the Excitonic Pairing Interaction.

   Eur. Phys. J. B **90**$_7$ (2017) # 130 (12). [DOI]

8. B.Ardan, **V. Kinzhybalo**, Yu.Slyvka, O.Shyyka, M.Luk'yanov, T.Lis, M.Mys'kiv,

   Ligand-Forced Dimerization of Copper(I)–Olefin Complexes Bearing a 1,3,4-Thiadiazole Core.

   Acta Cryst. C **73**$_1$ (2017) 36–46 (+35). [DOI]

9. V.Arjunan, R.Anitha, G.Durgadevi, **M.K. Marchewka**, S.Mohan,

   An Insight into the Structure, Vibrations, Electronic and Reactivity Properties of the Tautomers 1-(Diaminomethylene) Thiourea and 2-Imino-4-Thiobiuret.

   J. Mol. Struct. **1133** (2017) 187–98. [DOI]

10. V.Arjunan, S.Thirunarayanan, **M.K. Marchewka**, S.Mohan,

    Crystal Structure, Vibrational Spectra and DFT Studies of Hydrogen Bonded 1,2,4-Triazolium Hydrogenselenate.

    J. Mol. Struct. **1145** (2017) 211–21. [DOI]

11. J.Azkargorta, **Ł.Marciniak**, I.Iparraguirrea, R.Balda, **W. Stręk**, M.Barredo-Zuriarrain, S.García-Revilla, J.Fernández,

    Influence of Grain Size and Nd^{3+} Concentration on the Stimulated Emission of $LiLa_{1-x}Nd_xP_4O_{12}$ Crystal Powders.

    Opt. Mater. **63** (2017) 46–50. [DOI]

12. M.I.Bagatskii, M.S.Barabashko, V.V.Sumarokov, **A.Jeżowski**, **P. Stachowiak**,

    Heat Capacity of 1D Molecular Chains.

    J. Low Temp. Phys. **187**$_1$ (2017) 113–23. [DOI]
    11th Int.Conf.on Cryocrystals and Quantum Crystals (CC'11) TURKU, FI, 2016.08 18–24

13. M.Bagherzadeh, S.Ataie, H.Mahmoudi, **J. Janczak**,

    Synthesis, Structure Characterization and Study of a New Molybdenum Schiff Base Complex as an Epoxidation Catalyst with Very High Turnover Numbers.

    Inorg. Chem. Commun. **84** (2017) 63–67. [DOI]

14. **K. Baranowska**, **J. Okal**,

    Microwave Assisted Polyol Synthesis of the Bimetallic RuRe Nanoparticles Deposited on γ-Alumina and Their Application for the Light Alkane Oxidation.

    Top. Catal. **60**$_3$ (2017) 266–71. [DOI]
    10th Int.Congr.on Catalysis and Automotive Pollution Control (CAPoC 10) BRUSSELS, BE, 2015.10 28–30

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

    Interplay of Antiferromagnetism and Kondo Effect in $(Ce_{1-x}La_x)_8Pd_{24}Al$.

    J. Phys. Chem. Solids **106** (2017) 44–51. [DOI]

16. A.K.Bashir, M.B. Tchoula Tchokonté, B.M.Sondezi, A.M.Strydom, **D. Kaczorowski**,

    Magnetic and Thermal Properties of NdAuGa.

    J. Alloy. Compd. **699** (2017) 7–10. [DOI]

17. **T.J. Bednarchuk**, **D. Kowalska**, **V. Kinzhybalo**, **M. Wołcyrz**,

    Temperature-Induced Reversible Structural Phase Transition and X-ray Diffuse Scattering in 2-Amino-3-Nitropyridinium Hydrogen Sulfate.

    Acta Cryst. B **73**$_3$ (2017) 337–46 (+?). [DOI]

18. **A.Bednarkiewicz**, **K. Trejgis**, **J. Drabik**, A.Kowalczyk, **Ł.Marciniak**,

    Phosphor-Assisted Temperature Sensing and Imaging Using Resonant and Nonresonant Photoexcitation Scheme.

    ACS Appl. Mater. Interf. **9**$_{49}$ (2017) 43 081–89. [DOI]

19. Б.Белан, **A.Gągor**, М.Маняко, Б.Кужель,

    Кристалічна структура та електронно-транспортні властивості сполуки $DyNi_5Si_3$. [Crystal Structure and Electronic-Transport Properties of the Compound $DyNi_5Si_3$.]

    Вісн. Львів. ун-ту. Сер. хім. No. 58$_1$ (2017) 275–80 [in Ukrainian].

20. M.Behrendt, S.Mahlik, M.Grinberg, **D. Stefańska**, **P.J. Dereń**,

    Influence of Charge Transfer State on Eu^{3+} Luminescence in $LaAlO_3$, by High Pressure Spectroscopy.

    Opt. Mater. **63** (2017) 158–63. [DOI]

21. J. Bławat, **D. Gnida**, **M. Daszkiewicz**, **P. Wiśniewski**, **D. Kaczorowski**,

Low-Temperature Physical Behavior in a Novel Compound $CePtIn_4$.

J. Alloy. Compd. **724** (2017) 581–85. [DOI]

22. K.N.Boldyrev, **P. Dereń**, M.N.Popova,

Deformation Splittings in the Spectra of $LaAlO_3 : Ho^{3+}, Pr^{3+}, Tm^{3+}$ Single Crystals.

EPJ Web of Conf. **132** (2017) #UNSP 03 004 (2). [DOI]
25th Congr.on Spectroscopy (SPECTROSCOPY.SU 2016) TROITSK, RU, 2016.10 03–07

23. **B. Bondzior**, **P.J. Dereń**,

Site-Selective Eu^{3+} Luminescence in $Sr_2ScLi(B_2O_5)_2$.

New J. Chem. **41** 15 (2017) 7 662–66. [DOI]

24. **B. Bondzior**, **D. Stefańska**, **A.Kubiak**, **P.J. Dereń**,

Dipole–Dipole and Dipole–Quadrupole Interactions between Sm^{3+} Ions in $K_4BaSi_3O_9$.

J. Lumin. **190** (2017) 123–27. [DOI]

25. R.Boulesteix, A.Maître, **K. Lemański**, **P.J. Dereń**,

Structural and Spectroscopic Properties of $MgAl_2O_4 : Nd^{3+}$ Transparent Ceramics Fabricated by Using Two-Step Spark Plasma Sintering.

J. Alloy. Compd. **722** (2017) 358–64. [DOI]

26. N.Brisset, **G. Chajewski**, A.Berche, M.Pasturel, **A.P. Pikul**, O.Tougait,

The Actinide–Platinum Binaries Th_3Pt_4 and U_3Pt_4 : Crystallographic Investigation and Heavy-Fermion Behavior of the Ferromagnetically Ordered U_3Pt_4 .

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27. N.Brisset, **G. Chajewski**, **A.Pikul**, O.Tougait, M.Pasturel,

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Solid State Phenom. **257** (2017) 86–91. [DOI]
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28. P.Bujlo, C.J.Xie, D.Shen, O.Ulleberg, S.Pasupathi, **G. Paściak**, B.G.Pollet,

Hybrid Polymer Electrolyte Membrane Fuel Cell–Lithium-Ion Battery Powertrain Testing Platform – Hybrid Fuel Cell Electric Vehicle Emulator.

Int. J. Energy Res. **41** 11 (2017) 1596–611. [DOI]

29. Г.С.Бурханов, И.С.Терешина, Г.А.Политова, И.А.Пелевин, Ю.С.Кошкидько, М.А.Пауков, **H. Drulis**,

Магнитокалорический эффект в интерметаллических соединениях $Nd_2Fe_{14}B$ и $Er_2Fe_{14}B$, допированных водородом. [The Magnetocaloric Effect in Hydrogen-Doped $Nd_2Fe_{14}B$ and $Er_2Fe_{14}B$ Intermetallic Compounds.]

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Engl. in: *Dokl. Phys.* **62** 1 (2017) 10–13. [DOI]

30. B.Burtan-Gwizdała, M.Reben, J.Cisowski, I.Grelowska, El-S.Yousef, H.Algarni, **R. Lisiecki**, N.Nosidlak,

Spectroscopic Properties of Er^{3+}-Doped Fluorotellurite Glasses Containing Various Modifiers.

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31. R.A.Castro, M.R.L.Oliveira, **J. Janczak**, M.M.M.Rubinger,

Syntheses and Characterization of Novel Heteroleptic Nickel Complexes with Dithiocarbimates and Trithiocarbimates.

Inorg. Chim. Acta **462** (2017) 195–203. [DOI]

32. N.M.Cepeda-Sánchez, J.A.Díaz-Guillén, **M. Mączka**, U.Amador, A.F.Fuentes,

Mechanochemical Synthesis, Crystal Structure and Ion Conduction in the $Gd_2Hf_{2-x}Ti_xO_7$ System.

J. Mater. Sci. **52** 20 (2017) 11 933–46. [DOI]

33. **G. Chajewski**, M.Pasturel, **A.P. Pikul**,

Magnetic and Related Properties of a Novel Compound $Ce_3Co_2Sn_7$.

J. Alloy. Compd. **706** (2017) 244–49. [DOI]

34. A.Chiappini, C.Armellini, A.Carpentiero, L.Pasquardini, L.Lunelli, A.Vaccari, S.Pelli, **A.Łukowiak**, C.Pederzolli, G.C.Righini, R.Ramponi, M.Ferrari,

Glass-Derived Photonic Crystal Structures.

Adv. Sci. Technol. **98** (2017) 17–25. [DOI]
7th Forum on New Materials, PERUGIA, IT, 2016.06 05–09

35. A.Chiasera, I.Vasilchenko, D.Dorosz, M.Cotti, S.Varas, E.Iacob, G.Speranza, A.Vaccari, S.Valligatla, L.Żur, **A.Łukowiak**, G.C.Righini, M.Ferrari,

SiO_2–P_2O_5–HfO_2–Al_2O_3–Na_2O Glasses Activated by Er^{3+} Ions: From Bulk Sample to Planar Waveguide Fabricated by rf-Sputtering.

Opt. Mater. **63** (2017) 153–57. [DOI]

- **T. Cichorek**, **Ł.Bochenek**, M.Schmidt, A.Czulucki, G.Auffermann, R.Kniep, R.Niewa, F.Steglich, S.Kirchner,

Cichorek et al. Reply: A Reply to the Comment by D. Gnida [*PRL* **118** (2017) 25 9701.]

Phys. Rev. Lett. **118** (2017) # 25 9702 (2). [DOI] Cf. the orig. Letter: *ibid.,* **117** (2016) # 10 6601. [DOI]

36. **B. Cichy**, D.Wawrzyńczyk, M.Samoć, **W. Stręk**,

Electronic Properties and Third-Order Optical Nonlinearities in Tetragonal Chalcopyrite $AgInS_2$, $AgInS_2$ / ZnS and Cubic Spinel $AgIn_5S_8$, $AgIn_5S_8$ / ZnS Quantum Dots.

J. Mater. Chem. C **5** 1 (2017) 149–58. [DOI]

37. M.Cichy, **J. Dobosz**, T.Borowiecki, **M. Zawadzki**,

Glycerol Steam Reforming over Calcium Deficient Hydroxyapatite Supported Nickel Catalysts.

Reac. Kinet. Mech. Cat. **120** 1 (2017) 261–87. [DOI]

38. **K. Ciesielski**, **G. Chajewski**, **M. Samsel-Czekała**, **A.Hackemer**, **A.P. Pikul**, **D. Kaczorowski**,

Low-Temperature Electronic Properties and Band Structures of LaTE_2Si_2 (TE = Fe, Co, Ag and Au).

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39. **A.Ciupa**, **M. Ptak**, **M. Mączka**, J.G.da Silva Filho, P.T.C.Freire,

Vibrational Investigation of Pressure- and Temperature-Induced Phase Transitions in Metal Formates Templated by Ethylammonium Ions.

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40. J.Ćwik, Yu.Koshkid'ko, N.A.de Oliveira, K.Nenkov, **A.Hackemer**, E.Dilmieva, N.Kolchugina, S.Nikitin, **K. Rogacki**,

Magnetocaloric Effect in Laves-Phase Rare-Earth Compounds with the Second-Order Magnetic Phase Transition : Estimation of the High-Field Properties.

Acta Mater. **133** (2017) 230–39. [DOI]

41. J.Cybińska, M.Guzik, **Yu.Gerasymchuk**, V.A.Trush, **R. Lisiecki**, J.Legendziewicz,

Spectroscopy of New Sm(III) Orange Emitting Phosphors of the Type Na[Sm(SP)$_4$] , Na[Sm(WO)$_4$] (where SP = $C_6H_5S(O)_2NP(O)(OCH_3)_2^-$; WO = $CCl_3C(O)NP(O)(OCH_3)_2^-$) and the Polymeric Materials Obtained on Their Base.

Opt. Mater. **63** (2017) 32–41. [DOI]

42. Z.Czapla, J.Przesławski, M.Crofton, **J. Janczak**, O.Czupiński, A.Ingram, M.Kostrzewa,

Structural Phase Transition in a Perovskite-Type $NH_3(CH_2)_3NH_3CuCl_4$ Crystal – X-ray and Optical Studies.

Phase Transit. **90** 6 (2017) 637–43. [DOI]

43. P.G.Derakhshandeh, J.Soleimannejad, **J. Janczak**,

Preparation of CeO_2 Nanoparticles from a New Cerium(III) **Supramolecular Compound.**

Inorg. Chim. Acta **467** (2017) 132–35. [DOI]

44. L.Devi, V.Arjunan, **M.K. Marchewka**, S.Mochan,

Conformational Analysis, Structural and Vibrational Investigations of *trans*-2-Chlorocinnamic Acid and *trans*-4-Chlorocinnamic Acid.

Springer Proc. Phys. **189** (2017) 563–98 [DOI]

Int.Conf.on Recent Trends in Materials Science and Applications (ICRTSMA-2016) TIRUCHIRAPPALLI, TN, IN, 2016.02 29

45. N.Doiron-Leyraud, O.Cyr-Choinière, S.Badoux, A.Ataei, C.Collignon, A.Gourgout, S.Dufour-Beauséjour, F.F.Tafti, F.Laliberté, M.-E.Boulanger, **M. Matusiak**, D.Graf, M.Kim, J.-S.Zhou, N.Momono, T.Kurosawa, H.Takagi, L.Taillefer,

Pseudogap Phase of Cuprate Superconductors Confined by Fermi Surface Topology.

Nat. Commun. **8** (2017) # 2044 (7+8). [DOI]

46. A.Døssing, A.Kadziola, P.Gawryszewska, **A. Watras**, A.Melchior,

Structure, Stability and Spectroscopic Features of the Neodymium(III) **Complex of the Octadentate Polypyridine Ligand 6, 6′-*bis*[*bis*(2-Pyridylmethyl) Aminomethyl]-2.2′-Bipyridine.**

Inorg. Chim. Acta **467** (2017) 93–98. [DOI]

47. G.Dovbeshko, E.Kovalska, **W. Miśta**, **R. Klimkiewicz**,

Bimolecular Condensation Reactions of Butan-1-ol on $Ag-CeO_2$ Decorated Multiwalled Carbon Nanotubes.

Reac. Kinet. Mech. Cat. **122** 2 (2017) 1063–80. [DOI]

48. W.Dridi, M.F.Zid, **M. Mączka**,

Electrical and Vibrational Studies of $Na_2K_2Cu(MoO_4)_3$.

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49. S.Drobczyński, K.Prorok, K.Tamarov, K.Duś-Szachniewicz, V.-P.Lehto, **A. Bednarkiewicz**,

Toward Controlled Photothermal Treatment of Single Cell : Optically Induced Heating and Remote Temperature Monitoring *in vitro* through Double Wavelength Optical Tweezers.

ACS Photonics **4** 8 (2017) 1993–2002. [DOI]

50. **M. Dusza**, F.Granek, **W. Stręk**,

Illumination Intensity Dependent Photoresponse of Ultra-Thin ZnO / graphene / ZnO Heterostructure.

Opt. Mater. **74** (2017) 176–82. [DOI]

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51. L.Dymińska, M.Calik, A.M.M.Albegar, A.Zając, K.Kostyń, J.Lorenc, **J. Hanuza**,

Quantitative Determination of the Iodine Values of Unsaturated Plant Oils Using Infrared and Raman Spectroscopy Methods.

Int. J. Food Prop. **20** 9 (2017) 2 003–15. [DOI]

52. L.Dymińska, **J. Janczak**, Kh.S.M.Sheweshen, J.Lorenc, **J. Hanuza**,

Crystal and Molecular Structures, Temperature Dependence of the IR and Raman Spectra and Vibrational Dynamics of Aquo 4,6-Dimethyl-5*H*-[1,2,3] Triazolo[4,5-c] Pyridine in a New Zwitterionic Form.

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53. L.Dymińska, Kh.S.M.Sheweshen, **A.Gągor**, J.Lorenc, **J. Hanuza**,

Crystal and Molecular Structures, IR and Raman Spectra, Vibrational Dynamics of Aquo-7-Methyl-1*H*-[1,2,3] Triazolo [4,5-c] Pyridinium Nitrate – A New Composite Material.

J. Mol. Struct. **1133** (2017) 7–19. [DOI]

54. M.J.S.Fard, P.Hayati, A.Firoozadeh, **J. Janczak**,

Ultrasonic Synthesis of Two New Zinc(II) **Bipyridine Coordination Polymers: New Precursors for Preparation of Zinc**(II) **Oxide Nano-particles.**

Ultrason. Sonochem. **35** Pt A (2017) 502–13. [DOI]

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Sonochemical Synthesis of Two New Zinc(II) **1,10-Phenanthroline Coordination Supramolecular Compounds: New Precursors to Produce Nano-Sized Zinc**(II) **Oxide.**

Ultrason. Sonochem. **37** (2017) 286–97. [DOI]

56. A.A.Fedorchuk, **V.V. Kinzhybalo**, Yu.I.Slyvka, E.A.Goreshnik, **T.J. Bednarchuk**, T.Lis, M.G.Mys'kiv,

Unexpected Complexation of Allylpseudothiohydantoin Hydrochlorides towards Cu*X* **(X = Cl, NO_3, ClO_4, BF_4, $\frac{1}{2}SiF_6$). The First Known Examples of Joint $Cu^{I}(Cl, ClO_4)$ and $Cu^{I}(Cl, BF_4)$ π-Complexes.**

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57. **A.Gągor**, G.Banach, M.Węcławik, A.Piecha-Bisiorek, R.Jakubas,

The Lone-Pair-Electron-Driven Phase Transition and Order–Disorder Processes in Thermochromic (2-MIm)SbI_4 Organic–Inorganic Hybrid.

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58. Ch.Gaiser, B.Fellmuth, P.Steur, **A.Szmyrka-Grzebyk**, **H. Manuszkiewicz**, **L.Lipiński**, A.Peruzzi, R.Rusby, D.Head,

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Formation of High-Field Pinning Centers in Superconducting MgB_2 Wires by Using High Hot Isostatic Pressure Process.

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60. **D.Gajda**, A.Morawski, **A.Zaleski**, **M. Małecka**, T.Cetner, **K. Rogacki**,

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62. P.Garczarek, J.K.Zaręba, M.Duczmal, **J. Janczak**, J.Zoń, M.Samoć, M.Nyk,

Combining Three Different Functional Groups in One Linker: A Variety of Features of Copper(II) **Aminocarboxyphosphonate.**

Cryst. Growth Des. **17**3 (2017) 1373–83. [DOI]

63. J.F.Gebbia, M.A.Ramos, **D. Szewczyk**, **A.Jeżowski**, A.I.Krivchikov, Y.V.Horbatenko, T.Guidi, F.J.Bermejo, J.Ll.Tamarit,

Glassy Anomalies in the Low-Temperature Thermal Properties of a Minimally Disordered Crystalline Solid.

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64. S.Ghosh, S.Valligatla, **A.Łukowiak**, A.Chiasera, M.Ferrari, B.N.S.Bhaktha,

Time-Resolved Photoluminescence Studies in Eu-Doped SiO_2–HfO_2–ZnO Glass–Ceramic Waveguides.

Ceram. Int. **43** 1 Pt B (2017) 1145–49. [DOI]

65. L.T. Kieu Giang, **Ł.Marciniak**, T.Q.Huy, N.Vu, N.T.H.Le, N.T.Binh, T.D.Lam, L.Q.Minh,

Synthesis, Structural Characterization and Up-conversion Luminescence Properties of $NaYF_4 : Er^{3+}, Yb^{3+}$ @ MOFs Nanocomposites.

J. Electron. Mater. **46** 10 (2017) 6 063–69. [DOI]

66. M.Głowacki, **P. Solarz**, **W. Ryba-Romanowski**, I.R.Martín, R.Diduszko, M.Berkowski,

Europium and Potassium Co-doped Strontium Metaborate Single Crystals Grown by the Czochralski Method.

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67. **P. Głuchowski**, **M. Małecka**, **W. Stręk**, **W. Ryba-Romanowski**, **P. Solarz**,

Size Effect in Novel Red Efficient Garnet Nanophosphor.

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LISTA PREZENTACJI KONFERENCYJNYCH
LIST OF CONFERENCE PRESENTATIONS

1. **S.Anufriiev**, **T. Zaleski**,

   Mixtures of Ultracold Atomic Gases in Optical Lattices with Pair Interspaces Hopping. (P)

   XVIII Kraj.Konf. Nadprzewodnictwa (XVIII KKN) [18th Polish Conf.on Superconductivity] Krynica Morska, PL, 2017.10 08–13

2. **V.Apinyan**,

   Spectral Properties of Excitons in the Bilayer Graphene. (C)

   XVIII Kraj.Konf. Nadprzewodnictwa (XVIII KKN) [18th Polish Conf.on Superconductivity] Krynica Morska, PL, 2017.10 08–13

3. **T.J.Bednarchuk**, **V. Kinzhybalo**, **A.Pietraszko**,

   Wybrane organiczno–nieorganiczne związki hybrydowe z anionem siarczanowym. [???.] (C)

   59. Konwers. Krystalograficzne [59th Polish Crystallographic Meet.] Wrocław, PL, 2017.06 28–30

4. **A.Bednarkiewicz**,

   Shaping Luminescent Properties of Up-converting β-$NaYF_4$ Colloidal Nanoparticles: The Role of Active-Core$_0$Active-Shell Chemical Architecture. (I)

   18th Int.Conf.on Luminescence (ICL '17) João Pessoa, PB, BR, 2017.08 27 –.09 01

5. **J. Bławat**, **D. Gnida**, **M. Daszkiewicz**, **T. Romanova**, **A.Hackemer**, **P. Wiśniewski**, **D. Kaczorowski**,

   Low-Temperature Physical Behavior in a Novel Compound $CePtIn_4$. (P)

   28th Int.Conf.on Low Temperature Physics (LT-28) Gothenburg, SE, 2017.08 09–16

6. **J. Bławat**, **D. Gnida**, **M. Daszkiewicz**, **P. Wiśniewski**, **D. Kaczorowski**,

   Low-Temperature Physical Behavior in a Novel Compound $CePtIn_4$. (C)

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7. **Ł.Bochenek**, **A.Rudenko**, **T. Cichorek**,

   Angle-Resolved Magnetoresistance of the Kondo Insulator $CeOs_4Sb_{12}$. (P)

   Int.Conf.on Strongly Correlated Electron Systems (SCES 2017) Prague, CZ, 2017.07 17–21

8. **B. Bondzior**, **P.J. Dereń**,

   Eu^{3+} Luminescence in $M_3Sc(BO_3)_3$ (M = Sr, Ba). (P)

   18th Int.Conf.on Luminescence (ICL '17) João Pessoa, PB, BR, 2017.08 27 –.09 01

9. **B. Bondzior**, **N. Miniajluk**, **P.J. Dereń**,

   Cr^{3+} as a Structural Probe in $(Ba, Ca)_2Mg(BO_3)_2$. (C)

   6th Int.Worksh.on Advanced Spectroscopy & Optical Materials (IWASOM '17) Gdańsk, PL, 2017.07 09–14

10. I.Bryndal, L.Dymińska, J.Lorenc, W.Sąsiadek, **M. Ptak**, **J. Hanuza**,

    L-Theanine – Structural Phase Transitions and Its Vibrational Characteristics. (P)

    14th Int.Conf.on Molecular Spectroscopy(ICMS 2017) Białka Tatrzańska, PL, 2017.09 03–07

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

    Structural, Vibrational and DFT Studies of two Isomers of 3(or 5)-Nitro-2-Phenylpicolines-5(or 3). (P)

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12. B.Brzostowski, G.Banach, **P.J. Dereń**, **D. Stefańska**,

    Electronic and Optical Properties of $Ca_2(Al_{1-x}Mg_x)(Al_{1-x}Si_{1+x})O_7$ Doped with Eu. (P)

    6th Int.Worksh.on Advanced Spectroscopy & Optical Materials (IWASOM '17) Gdańsk, PL, 2017.07 09–14

13. **Z. Bukowski**,

Phase Diagram of the Iron Based Superconductor $EuFe_2As_2$. Effects of Applied Magnetic Field, Pressure, and Chemical Doping on Magnetism and Superconductivity. (I)

XVIII Kraj.Konf. Nadprzewodnictwa (XVIII KKN) [18th Polish Conf.on Superconductivity] Krynica Morska, PL, 2017.10 08–13

14. **G. Chajewski**, N.Brisset, C.Moussa, **A.P. Pikul**, M.Pasturel, O.Tougait,

Magnetoresistivity of U_3TGe_5 Compounds (T = Ti, V, Cr, Nb, Mo, W). (P)

47èmes Journées des Actinides (JdA-47) Karpacz, PL, 2017.03 26–30

15. **G. Chajewski**, **M. Samsel-Czekała**, **A.Hackemer**, **P. Wiśniewski**, **A.Pikul**, **D. Kaczorowski**,

Superconductivity in YTE_2Ge_2 Compounds (TE = d-Electron Transition Metal). (P)

Int.Conf.on Strongly Correlated Electron Systems (SCES 2017) Prague, CZ, 2017.07 17–21

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Superconductivity in Single Crystalline YPd_2Ge_2 . (P)

Int.Conf.on Strongly Correlated Electron Systems (SCES 2017) Prague, CZ, 2017.07 17–21

17. **G. Chajewski**, **P. Wiśniewski**, **A.Pikul**, **D. Kaczorowski**,

Superconducting Properties of YPd_2Si_2 and $LuPd_2Si_2$ Single Crystals. (C)

XVIII Kraj.Konf. Nadprzewodnictwa (XVIII KKN) [18th Polish Conf.on Superconductivity] Krynica Morska, PL, 2017.10 08–13

18. K.Chybczńska, **K. Pasińska**, R.Motała, A.Hilczer,

The Evolution of $BaFe_{12}O_{19}$ Phase Creation Controlled by $[OH^-]$ / $[NO^{3-}]$ Ratio in Microwave Hydrothermal Synthesis. (P)

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19. **T. Cichorek**, **Ł.Bochenek**, M.Schmidt, R.Niewa, A.Czulucki, G.Auffermann, F.Steglich, R.Kniep, S.Kirchner,

Two-Channel Kondo Physics Due to As Vacancies. (C)

[9th] Eur.Conf.on Physics of Magnetism (PM '17) / Poznań, PL, 2017.06 26–30

20. **K. Ciesielski**, **G. Chajewski**, **M. Samsel-Czekała**, **A.Hackemer**, **A.Pikul**, **D. Kaczorowski**,

Physical Properties and Band Structures of LaTE_2Ge_2 with TE = Fe, Co, Ni, Cu. (P)

XVIII Kraj.Konf. Nadprzewodnictwa (XVIII KKN) [18th Polish Conf.on Superconductivity] Krynica Morska, PL, 2017.10 08–13

21. **K. Ciesielski**, **D. Gnida**, **D. Kaczorowski**,

Thermoelectric Properties and Peculiarities of Electron Transport in Half-Heusler Phases LuNiSb, LuPdSb, ErPdSb, YPdSb, GdPtSb. (C)

CMAC Days 2017 [Eur.Integr.Ctr.for the Development of New Metallic Alloys & Compounds], Athens, GR, 2017.11 20-23

22. **M. Daszkiewicz**,

Operacje matematyczne na deskryptorach grafów wiązań wodorowych. [???.] (L)

60. Zj. Polskiego Towarzystwa Chemicznego [60th Congr.of Polish Chemical Society] Wrocław, PL, 2017.09 17–21

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Crystal Structure of $Er_{2.355}La_{0.645}Ge_{1.285}S_7$. (P)

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24. **P.J. Dereń**, **N. Miniajluk**, **A.Watras**,

Study of Resonant Energy Transfer in $Ca_9Cr(PO_4)_7$. (I)

18th Int.Conf.on Luminescence (ICL '17) João Pessoa, PB, BR, 2017.08 27 –.09 01

25. **P.J. Deren**, **N. Miniajluk**, **D. Stefańska**, **Wa Walerczyk**, **B. Bondzior**, **K. Lemański**, **A.Watras**,

Resizing of Nanocrystals and Playing with Dopant Concentration – Two Ways to Affect the Optical Properties of a Host. (I)

6th Int.Worksh.on Advanced Spectroscopy & Optical Materials (IWASOM'17) Gdańsk, PL, 2017.07 09–14

26. **J. Dobosz**, M.Cichy, **M. Zawadzki**, T.Borowiecki,

Aktywność katalityczna związków Co / HAp w reakcji parowego reformingu glicerolu. [???.] (C)

60. Zj. Polskiego Towarzystwa Chemicznego [60th Congr.of Polish Chemical Society] Wrocław, PL, 2017.09 17–21

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Comparative Study of Superconductivity in Non-Centrosymmetric Silicides Th*TE*Si (*TE* = Co, Ni, Pt). (C)

47èmes Journées des Actinides (JdA-47) Karpacz, PL, 2017.03 26–30

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ThRhSi : A Non-Centrosymmetric Superconductor. (P)

[9th] Eur.Conf.on Physics of Magnetism (PM'17) / Poznań, PL, 2017.06 26–30

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Superconductivity in Polymorphic Forms of ThPdSi. (P)

XVIII Kraj.Konf. Nadprzewodnictwa (XVIII KKN) [18th Polish Conf.on Superconductivity] Krynica Morska, PL, 2017.10 08–13

30. **K. Domieracki**, **P. Wiśniewski**, **K. Wochowski**, **T. Romanova**, **R. Gorzelniak**, **A.Pikul**, **D. Kaczorowski**,

Superconductivity in $ThPd_2Ge_2$. (P)

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31. **M. Drozd**, **M. Daszkiewicz**,

New Complex of Guanidine with Trichloroacetic Acid. The Comparison of Theoretical and Experimanetal Data. (P)

14th Int.Conf.on Molecular Spectroscopy(ICMS 2017) Białka Tatrzańska, PL, 2017.09 03–07

32. W.Drozdowski, M.E.Witkowski, **P. Solarz**, **P. Głuchowski**, M.Głowacki, K.Brylew,

Scintillation Properties of $Gd_3Al_2Ga_3O_{12}$: Ce (GAGG:Ce): A Comparison between Monocrystalline and Nanoceramic Samples. (C)

6th Int.Worksh.on Advanced Spectroscopy & Optical Materials (IWASOM'17) Gdańsk, PL, 2017.07 09–14

33. L.Dymińska, A.M.M.Albegar, A.Zając, T.Czuj, W.Sąsiadek, J.Lorenc, **J. Hanuza**,

Comparison of the Fatty Acid Content, Iodine Value and Smoke Point of the Blends for Deep-Frying with their Primary Oleic Components. (P)

14th Int.Conf.on Molecular Spectroscopy(ICMS 2017) Białka Tatrzańska, PL, 2017.09 03–07

34. L.Dymińska, I.Bryndal, K.S.M.Sheweshen, J.Lorenc, **J. Hanuza**,

Spectroscopic IR, Raman, UV-Vis and Quantum DFT Methods as Tools for Recognition of Isomeric Triazolo[4,5-b] and [4,5-c]-Pyridine Forms. (P)

14th Int.Conf.on Molecular Spectroscopy(ICMS 2017) Białka Tatrzańska, PL, 2017.09 03–07

35. M.Emami, K.Ślepokura, N.Noshiranzadeh, **V. Kinzhybalo**,

Syntheses and Crystal Structures of Tetraalkylammonium Hypodiphosphates. (P)

59. Konwers. Krystalograficzne [59th Polish Crystallographic Meet.] Wrocław, PL, 2017.06 28–30

36. M.C.Felix, **J. Janczak**, G.J.Perpétuo,

Supramolecular Hydrogen-Bonding Network in *bis*[1-(Diaminomethylene) Thiouron-1-ium] Naphthalene-1,5-Disulfonate. (P)

23rd Reun.da Assoc. Brasileira de Cristalografia, Vitória, ES, BR, 2017.09 05–09

37. S.Fryars, M.Pasturel, **A.Pikul**,

Novel Phases and Phase Equilibria at 1000 K in the U–Cu–Ge Ternary System. (P)

47èmes Journées des Actinides (JdA-47) Karpacz, PL, 2017.03 26–30

38. **Z. Gajek**, K. Durczewski,

Influence of Localized Electrons on Physical Properties of the Series UT_2Al_{10} (T = Fe, Ru, Os) and $REIn_3$. (C)

47èmes Journées des Actinides (JdA-47) Karpacz, PL, 2017.03 26–30

39. **D. Gnida**, **P. Swatek**,

Quantum Interference in Disordered Th_2CoSi_3. (C)

47èmes Journées des Actinides (JdA-47) Karpacz, PL, 2017.03 26–30

40. **B. Grygiel**, **K. Patucha**, **T.A.Zaleski**,

Real and Imaginary Part of Conductivity of Strongly Interacting Bosons in Optical Lattices. (P)

XVIII Kraj.Konf. Nadprzewodnictwa (XVIII KKN) [18th Polish Conf.on Superconductivity] Krynica Morska, PL, 2017.10 08–13

41. N.Gulay, **M. Daszkiewicz**, Ya.Kalychak,

Crystal Structure of Sc_2Ni_2Pb. (P)

59. Konwers. Krystalograficzne [59th Polish Crystallographic Meet.] Wrocław, PL, 2017.06 28–30

42. **J. Hanuza**, **M. Ptak**, **R. Lisiecki**, E.Kucharska, **W. Ryba-Romanowski**, **K. Hermanowicz**, **L.Macalik**,

Spectroscopic Investigations and DFT Modelling Studies of Eu^{3+} Complex with 1-(2,6-Dihydroxyphenyl) Ethanone. (P)

14th Int.Conf.on Molecular Spectroscopy(ICMS 2017) Białka Tatrzańska, PL, 2017.09 03–07

43. A.Hilczer, **K. Pasińska**, E.Markiewicz, **A.Pietraszko**, B.Andrzejewski,

Effect of Nd^{3+} Doping on Magnetic and Dielectric Properties of $SrFe_{12}O_{19}$ Hexaferrite Synthesized by Co-precipitation method. (P)

*[9th] Eur.Conf.on Physics of Magnetism (PM'17) /*Poznań, PL, 2017.06 26–30

44. **D. Hommel**,

New Efficient Nitride-Based Deep-UV Emitters for Life Science Applications. (L)

XLIV Zj. Fizyków Polskich [44th Congr. Polish Physicists] (ZFP-44) Wrocław, PL, 2017.09 10-15

45. M.Horiacha, G.Nychyporuk, **D. Kaczorowski**, V.Zaremba,

Magnetic Properties of the $RENi_2Ga_3In$ (RE = Y, Dy, Ho) Compounds. (P)

*[9th] Eur.Conf.on Physics of Magnetism (PM'17) /*Poznań, PL, 2017.06 26–30

46. **J. Janczak**, **R. Kubiak**,

***Bis* (Hafnium**(IV) **Stapled Phthalocyanine) Derivative Complex.** (P)

59. Konwers. Krystalograficzne [59th Polish Crystallographic Meet.] Wrocław, PL, 2017.06 28–30

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

Influence of Yb^{3+} Concentration on Up-conversion Luminescence of Er^{3+} Ions in Fluorogermanate Glasses. (p)

6th Int.Worksh.on Advanced Spectroscopy & Optical Materials (IWASOM 2017) Gdańsk, PL, 2017.07 09–14

48. **J. Juraszek**, **Ł.Bochenek**, **A.Rudenko**, **R. Wawryk**, **Z. Henkie**, M.Konczykowski, **T. Cichorek**,

Lower Critical Field of the Two-Band Filled-Skutterudite Superconductors $LaRu_4As_{12}$ and $PrOs_4Sb_{12}$. (P)

Int.Conf.on Strongly Correlated Electron Systems (SCES 2017) Prague, CZ, 2017.07 17–21

49. **J. Juraszek**, **A.Rudenko**, **Ł.Bochenek**, **M. Daszkiewicz**, Z.Wang, J.Wosnitza, **Z. Henkie**, **M. Samsel-Czekała**, **T. Cichorek**,

Extreme Magnetoresistance in the Regular Semimetal LuAs. (P)

*[9th] Eur.Conf.on Physics of Magnetism (PM'17) /*Poznań, PL, 2017.06 26–30

50. **J. Juraszek**, **A.Rudenko**, **Ł.Bochenek**, **M. Daszkiewicz**, Z.Wang, J.Wosnitza, **Z. Henkie**, **M. Samsel-Czekała**, **T. Cichorek**,

Extremely Large Magnetoresistance in the Regular Semimetal LuAs. (P)

Int.Conf.on Strongly Correlated Electron Systems (SCES 2017) Prague, CZ, 2017.07 17–21

51. **J. Juraszek**, **A.Rudenko**, **Ł.Bochenek**, **R. Wawryk**, **Z. Henkie**, **T. Cichorek**,

Pronounced Enhancement of the Lower Critical Field Deep in the Superconducting State of $LaRu_4As_{12}$. (C)

XVIII Kraj.Konf. Nadprzewodnictwa (XVIII KKN) [18th Polish Conf.on Superconductivity] Krynica Morska, PL, 2017.10 08–13

52. **J. Juraszek**, **R. Wawryk**, **Z. Henkie**, M.Konczykowski, **T. Cichorek**,

Lower Critical Field in the Two-Band Superconductor $LaRu_4As_{12}$. (P)

*[9th] Eur.Conf.on Physics of Magnetism (PM'17) /*Poznań, PL, 2017.06 26–30

53. S.M.Kaczmarek, G.Leniec, H.Fuks, T.Skibiński, A.Pelczarska, I.Szczygieł, **J. Hanuza**,

EPR and Magnetic Studies of Sub-Microcrystalline Pure and Yb, Er and Cr Doped $Na_3B(PO_4)_2$ ($B = Y, La, Gd$) Orthophosphates Synthesized by Hydrothermal and Pechini Method. (P)

6th Int.Worksh.on Advanced Spectroscopy & Optical Materials (IWASOM 2017) Gdańsk, PL, 2017.07 09–14

54. S.M.Kaczmarek, G.Leniec, **L.Macalik**, P.Ropuszyńska-Robak, **J. Hanuza**,

Magnetic Properties of $NaY_{1-x-y}Ho_xYb_y(WO_4)_2$; $x = 0.05$; $y = 0.0$, $KY_{1-x-y}Ho_xYb_y(WO_4)_2$; $x = 0.02$; $y = 0.01$ Nanopowders Obtained by Pechini and Hydrothermal Methods. (C

6th Int.Worksh.on Advanced Spectroscopy & Optical Materials (IWASOM 2017) Gdańsk, PL, 2017.07 09–14

55. **D. Kaczorowski**,

Ferromagnetic Kondo Lattice Behavior in $Ce_{11}Pd_4In_9$. (P)

Int.Conf.on Strongly Correlated Electron Systems (SCES 2017) Prague, CZ, 2017.07 17–21

56. **D. Kaczorowski**,

Coexistence of Superconductivity and Antiferromagnetism in Heavy-Fermion Systems with Inequivalent Kondo Sublattices. (I)

XVIII Kraj.Konf. Nadprzewodnictwa (XVIII KKN) [18th Polish Conf.on Superconductivity] Krynica Morska, PL, 2017.10 08–13

57. **D. Kaczorowski**,

Rare-Earth Based Half-Heusler Phases as Thermoelectric and Magnetocaloric Materials. (C)

Int.Symp.on Advanced Materials and Applications, Phu Quoc, VN, 2017.12 10–13

58. **M. Kleinert**, **O. Pavlosiuk**, **P. Swatek**, **D. Kaczorowski**, **P. Wiśniewski**,

Giant Magnetoresistance and Shubnikov–de Haas Effect in LuSb. (P)

*[9th] Eur.Conf.on Physics of Magnetism (PM'17) /*Poznań, PL, 2017.06 26–30

59. N.Klymentiy, S.Pukas, B.Belan, R.Gladyshevskii, **D. Kaczorowski**,

Crystal Structure and Magnetic Properties of $EuNi_{6.9}Si_{6.1}$. (P)

*[9th] Eur.Conf.on Physics of Magnetism (PM'17) /*Poznań, PL, 2017.06 26–30

60. **D. Kowalska**, **T.J. Bednarchuk**, **V. Kinzhybalo**, **M. Wołcyrz**,

Modelowanie rozpraszania dyfuzyjnego w wodorosiarczanie 2-amino-3-nitropirydyniowym. [???.] (P)

59. Konwers. Krystalograficzne [59th Polish Crystallographic Meet.] Wrocław, PL, 2017.06 28–30

61. **P. Kraszkiewicz**, **M. Małecka**, **W. Miśta**,

Highly Efficient Au / SBA-15 Catalyst for Low-Temperature CO Oxidation. (P)

8th World Congr.on Oxidation Catalysis Kraków, PL, 2017.09 03–08

62. **J. Krawczyk**, **R. Lemański**,

Peculiar Thermodynamic Properties of the Falicov–Kimball Model for Small U Couplings. (P)

[9th] Eur.Conf.on Physics of Magnetism (PM'17) / Poznań, PL, 2017.06 26–30

63. R.Kurleto, M.Rosmus, L.Walczak, **D. Kaczorowski**, **D. Gnida**, K.Treiber, F.Reinert, A.Tejeda, F.Bertran, J.Rault, P.Starowicz,

Electronic Structure of $CeCoIn_5$ Studied by ARPES. (P)

XVIII Kraj.Konf. Nadprzewodnictwa (XVIII KKN) [18th Polish Conf.on Superconductivity] Krynica Morska, PL, 2017.10 08–13

64. **K. Ledwa**, **L.Kępiński**,

Dyspersja i stabilność termiczna tlenków $Ru_xCe_{1-x}O_{2-y}$ na powierzchni γ-Al_2O_3 pokrytej monowarstwą kwasu dekanowego. [???.] (C)

XLIX Og.-pol. Kolokwium Katalityczne [49th Polish Ann.Conf.on Catalysis] Cracow, PL, 2017.03 15–17

65. **K. Ledwa**, **L.Kępiński**,

Preparation of Highly Dispersed and Active $M_xCe_{1-x}O_{2-y}$ ($M = Ru, Rh$) Oxidation Catalysts Stabilized on Functionalized γ-Al_2O_3 Support. (P)

8th World Congr.on Oxidation Catalysis Kraków, PL, 2017.09 03–08

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

Luminescent Properties of the GaN Nanosized Powders Doped with the Rare Earth Ions. (P)

18th Int.Conf.on Luminescence (ICL'17) João Pessoa, PB, BR, 2017.08 27 –.09 01

67. **A.Łukowiak**, B.Borak, J.Krzak, **J. Gerasymchuk**, **M. Ptak**, B.Babiarczuk, **W. Stręk**,

Nanometryczne proszki bioaktywnego szkła SiO_2–CaO. [???.] (I)

60. Zj. Polskiego Towarzystwa Chemicznego [60th Congr.of Polish Chemical Society] Wrocław, PL, 2017.09 17–21

68. **A.Łukowiak**, B.Borak, J.Krzak, **M. Ptak**, **W. Stręk**,

Spherical Nanoparticles of Silica–Calcia Glass: Synthesis and Spectroscopic Characterization. (O)

14th Int.Conf.on Molecular Spectroscopy(ICMS 2017) Białka Tatrzańska, PL, 2017.09 03–07

69. **Ł.Marciniak**, **A.Bednarkiewicz**, K.Prorok, **W. Stręk**,

Luminescent Thermometry: Does Size Matter ? (C)

18th Int.Conf.on Luminescence (ICL'17) João Pessoa, PB, BR, 2017.08 27 –.09 01

70. **M. Matusiak**, J.R.Cooper, **D. Kaczorowski**,

Termoelektryczne oscylacje kwantowe w semimetalach topologicznych. [Thermoelectric Quantum Oscillations in Topological Semimetals.] (I)

XLIV Zj. Fizyków Polskich [44th Congr.of Polish Physicists] (ZFP-44) Wrocław, PL, 2017.09 10-15

71. **M. Matusiak**, J.R.Cooper, **D. Kaczorowski**,

Kwantowe oscylacje siły termoelektrycznej w ZrSiS. [Quantum Oscillations of the Thermoelectric Force in ZrSiS.] (I)

XVIII Kraj.Konf. Nadprzewodnictwa (XVIII KKN) [18th Polish Conf.on Superconductivity] Krynica Morska, PL, 2017.10 08–13

72. **M. Matusiak**, Th.Wolf, **M. Babij**,

Anisotropy of the Seebeck and Nernst Effect in $BaFe_2As_2$ and $CaFe_2As_2$ Parent Compounds. (P)

Int.Conf.on Strongly Correlated Electron Systems (SCES 2017) Prague, CZ, 2017.07 17–21

73. **M. Matusiak**, Th.Wolf, **M. Babij**,

Anisotropy of the Seebeck and Nernst Effect in $BaFe_2As_2$ and $CaFe_2As_2$ Parent Compounds. (P)

28th Int.Conf.on Low Temperature Physics (LT-28) Gothenburg, SE, 2017.08 09–16

74. **J. Matysiak**,

Zastosowanie modelu multi-orbitalnego Hubbarda do opisu molekuł magnetycznych. [Application of Multi-Orbital Hubbard Model for Description of Magnetic Molecules.] (C)

XXII Minisymp. Fizyki Statystycznej [22nd Mini-symp.on Statistical Physics] Wrocław, PL, 2017.12 08

75. **J. Matysiak**, **R. Lemański**,

Properties of the Antiferromagnetic Cr_8 Ring Calculated from a Multi-Band Hubbard Hamiltonian. (P)

[9th] Eur.Conf.on Physics of Magnetism (PM '17) / Poznań, PL, 2017.06 26–30

76. J.J.Mboukami, B.M.Sondezi, M.B.Tchoula Tchokonté, A.K.H.Bashir, A.M.Strydom, **D. Kaczorowski**, D.Britz,

Magnetocaloric Effect and Thermodynamic Properties of Pr_2Pt_2In. (P)

Int.Conf.on Strongly Correlated Electron Systems (SCES 2017) Prague, CZ, 2017.07 17–21

77. **V. Medviediev**, **M. Daszkiewicz**,

Crystal Structure Investigation for Series of Salts of 2Me-3NA with Different Acids. (P)

59. Konwers. Krystalograficzne [59th Polish Crystallographic Meet.] Wrocław, PL, 2017.06 28–30

78. **N. Miniajluk**, **B.B. Bondzior**, **P.J. Dereń**,

Spectroscopic Properties of $M_2Ti_2O_7 : Nd^{3+}$, where $M = Y, La$. (P)

18th Int.Conf.on Luminescence (ICL '17) João Pessoa, PB, BR, 2017.08 27 –.09 01

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

Effect of Silica and Palladium Nanoinclusions on Low-Temperature Thermal Transport of N_2 and CO Crystals. (P)

28th Int.Conf.on Low Temperature Physics (LT-28) Gothenburg, SE, 2017.08 09–16

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

Scattering of Phonons in Argon–Palladium and Methane–Palladium Nanocomposites. (P)

28th Int.Conf.on Low Temperature Physics (LT-28) Gothenburg, SE, 2017.08 09–16

81. **K. Pasińska**, A.Hilczer, B.Andrzejewski, **V. Kinzhybalo**, **A.Pietraszko**,

Noncollinear Magnetic Order in Nd and Sc Doped $SrFe_{12}O_{19}$ Hexaferrite. (P)

59. Konwers. Krystalograficzne [59th Polish Crystallographic Meet.] Wrocław, PL, 2017.06 28–30

82. M.Pasturel, **A.Pikul**,

Phase Formation, Crystallographic Relations and Physical Properties in the U–T–Ge Ternary Systems (T = transition metal from columns 8 to 11) : A Comparative Review. (C)

47èmes Journées des Actinides (JdA-47) Karpacz, PL, 2017.03 26–30

83. **K. Patucha**, **B. Grygiel**, **T.A.Zaleski**,

Hall Conductivity of Strongly Interacting Bosons in Optical Lattice. (P)

XVIII Kraj.Konf. Nadprzewodnictwa (XVIII KKN) [18th Polish Conf.on Superconductivity] Krynica Morska, PL, 2017.10 08–13

84. F.Pavese, **A.Szmyrka-Grzebyk**, P.P.M.Steur,

The ITS-90 After Definition of Neon Isotopic Reference Composition: Extent of the Isotopic Effect on Previous Inter-Comparison Results. (C)

29th Meet.of CCT, BIPM, Sevres, FR, 2017.05 ??–??

85. **O. Pavlosiuk**, X.Fabreges, A.Gukasov, M.Meven, **D.Kaczorowski**, **P.Wiśniewski**,

Magnetic Structures of *RE*PdBi Half-Heusler Bismuthides (*RE* = Gd, Tb, Dy, Ho, Er). (P)

Int.Conf.on Strongly Correlated Electron Systems (SCES 2017) Prague, CZ, 2017.07 17–21

86. **O. Pavlosiuk**, **M. Kleinert**, **D. Kaczorowski**, **P. Wiśniewski**,

Antiferromagnetic Order in the Half-Heusler Phase TbPdBi. (P)

*[9th] Eur.Conf.on Physics of Magnetism (PM'17) /*Poznań, PL, 2017.06 26–30

87. **O. Pavlosiuk**, **M. Kleinert**, **P. Swatek**, **D. Kaczorowski**, **P. Wiśniewski**,

Giant Magnetoresistance and Quantum Oscillations in YSb and LuSb. (P)

Int.Conf.on Strongly Correlated Electron Systems (SCES 2017) Prague, CZ, 2017.07 17–21

88. **A.Piekarska**,

The Role of Hopping Disorder in Systems of Strongly Correlated Ultracold Bosons in Optical Lattices. (P)

XVIII Kraj.Konf. Nadprzewodnictwa (XVIII KKN) [18th Polish Conf.on Superconductivity] Krynica Morska, PL, 2017.10 08–13

89. **A.P. Pikul**, **G. Chajewski**, **K. Domieracki**, **K. Ciesielski**, **A.Hackemer**, **T. Romanova**, **P. Wiśniewski**, **R. Gorzelniak**, **M. Samsel-Czekała**, **D. Kaczorowski**,

Nadprzewodnictwo w d-elektronowych związkach międzymetalicznych o stechiometrii 1:2:2. [Superconductivity in d-Electron Intermetallics with 1:2:2 Stoichiometry.] (P)

44. Zj. Fizyków Polskich [44th Congr.of Polish Physicists] (ZFT-44) Wrocław, PL, 2017.09 10–15

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

Improvement of the Solubility Properties of Resveratrol via Co-crystallization – Molecular Flexibility versus Solid State Conformation. (P)

59. Konwers. Krystalograficzne [59th Polish Crystallographic Meet.] Wrocław, PL, 2017.06 28–30

91. D.Pogoda, **J. Janczak**, M.Zaworotko, V.Videnova-Adrabińska,

Polymorphism and Phase Transformation Behavior of Neuroactive Inhibitor – Kynurenic Acid. (P)

59. Konwers. Krystalograficzne [59th Polish Crystallographic Meet.] Wrocław, PL, 2017.06 28–30

92. **P. Rejnhardt**, **M. Daszkiewicz**,

Struktura krystaliczna i właściwości spektroskopowe azotanu 2-nitroaniliny. [???.] (P)

59. Konwers. Krystalograficzne [59th Polish Crystallographic Meet.] Wrocław, PL, 2017.06 28–30

93. **K. Rogacki**, **M. Matusiak**, **H. Lochmajer**, P.Przysłupski, L.Omelchenko, A.Soloviov,

Superconductor–Ferromagnet Heterostructures for Basic Research and Applications. (P)

28th Int.Conf.on Low Temperature Physics (LT-28) Gothenburg, SE, 2017.08 09–16

94. **A.Rudenko**, **J.Juraszek**, **Ł.Bochenek**, **M. Samsel-Czekała**, Z.Wang, J.Wosnitza, **Z. Henkie**, **T. Cichorek**,

Resistivity Plateau and Extreme Magnetoresistance in LuAs. (P)

28th Int.Conf.on Low Temperature Physics (LT-28) Gothenburg, SE, 2017.08 09–16

95. **A.Rudenko**, **J. Juraszek**, **Ł.Bochenek**, M.M.Hosen, **M. Daszkiewicz**, Z.Wang, J.Wosnitza, **Z. Henkie**, **M. Samsel-Czekała**, M.Neupane, **T. Cichorek**,

Non-Saturating Extreme Magnetoresistance in the Regular Semimetal LuAs. (P)

28th Int.Conf.on Low Temperature Physics (LT-28) Gothenburg, SE, 2017.08 09–16

96. **M. Sahakyan**,

Electronic Structure of Non-centrosymmetric Th_7Rh_3 Superconductor: FP-LMTO and FP-LAPW Studies. (C)

XVIII Kraj.Konf. Nadprzewodnictwa (XVIII KKN) [18th Polish Conf.on Superconductivity] Krynica Morska, PL, 2017.10 08–13

97. **M. Sahakyan**, **V.-H. Tran**,

Electronic Structure of Th_7Ru_3 . (P)

*[9th] Eur.Conf.on Physics of Magnetism (PM'17) /*Poznań, PL, 2017.06 26–30

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

Electronic Properties of Non-centrosymmetric Th_7Fe_3 and Th_7Co_3 Superconductors. (L)

XVIII Kraj.Konf. Nadprzewodnictwa (XVIII KKN) [18th Polish Conf.on Superconductivity] Krynica Morska, PL, 2017.10 08–13

99. **M. Samsel-Czekała**, **G. Chajewski**, **T. Romanova**, **A.Hackemer**, **A.Pikul**, **D. Kaczorowski**,

Electronic Structures and Physical Properties of Lu–*TE*–Ge Phases with *TE* = Fe, Co, Ru, Rh, Ir. (P)

XVIII Kraj.Konf. Nadprzewodnictwa (XVIII KKN) [18th Polish Conf.on Superconductivity] Krynica Morska, PL, 2017.10 08–13

100. **M. Samsel-Czekała**, **G. Chajewski**, **P. Wiśniewski**, **T. Romanova**, **A.Hackemer**, **R. Gorzelniak**, **A.P. Pikul**, **D. Kaczorowski**,

Electronic Structures and Superconductivity in $LuTE_2Si_2$ Phases (*TE* = d-Electron Transition Metal). (P)

Int.Conf.on Strongly Correlated Electron Systems (SCES 2017) Prague, CZ, 2017.07 17–21

101. P.Skokowski, **K. Synoradzki**, T.Toliński,

Physical Properties of the $CeCo_{1-x}Fe_xGe_3$ Series Near the Quantum Critical Point. (C)

CMAC Days 2017 [Eur.Integr.Ctr.for the Development of New Metallic Alloys & Compounds], Athens, GR, 2017.11 20-23

102. P.Skokowski, **K. Synoradzki**, T.Toliński,

Crystal Structure and Physical Properties of the $CeFe_{1-x}Cr_xGe_3$ and $CeFe_{1-x}V_xGe_3$ Systems. (P)

*[9th] Eur.Conf.on Physics of Magnetism (PM'17) /*Poznań, PL, 2017.06 26–30

103. Yu.Slyvka, **V. Kinzhybalo**, O.Hordiichuk, **T. Bednarchuk**, M.Mys'kiv,

Synthesis and Structure Characterization of Copper(I) Iodide π-Complexes with Allyl Derivatives of 1,2,4-Triazole and 1,3,4-Thiadiazole. (P)

59. Konwers. Krystalograficzne [59th Polish Crystallographic Meet.] Wrocław, PL, 2017.06 28–30

104. P.Starowicz, R.Kurleto, M.Rosmus, L.Walczak, A.Tejeda, **M. Szlawska**, **D. Gnida**, **D. Kaczorowski**, J.Goraus, K.Treiber, F.Reinert,

Hybridization in Selected Cerium Heavy Fermion Systems Studied by ARPES. (C)

XVIII Kraj.Konf. Nadprzewodnictwa (XVIII KKN) [18th Polish Conf.on Superconductivity] Krynica Morska, PL, 2017.10 08–13

105. M.Stawowy, M.Róziewicz, J.Trawczyński, **M. Zawadzki**, A.Łamacz,

Novel Ce-Based MOFs for CO_2 Adsorption. (P)

XLIX Og.-pol. Kolokwium Katalityczne [49th Polish Ann.Conf.on Catalysis] Cracow, PL, 2017.03 15–17

106. **D. Stefańska**, **P.J. Dereń**,

High Efficiency $Mg_2Al_4Si_5O_{18}$ Phosphor for LED Application. (P)

18th Int.Conf.on Luminescence (ICL'17) João Pessoa, PB, BR, 2017.08 27 –.09 01

107. **M. Stefański**, **D. Hreniak**, **W. Stręk**,

Laser Induced White Anti-Stokes Emission Observed from Sr_2CeO_4 Nanocrystals Prepared *via* Citrate-Gel Technique. (C)

18th Int.Conf.on Luminescence (ICL'17) João Pessoa, PB, BR, 2017.08 27 –.09 01

108. **W. Stręk**, **M.Łukaszewicz**, **R. Tomala**,

Laser Stimulated Enhancement of Tungsten Filament Incadescence. (I)

6th Int.Worksh.on Advanced Spectroscopy & Optical Materials (IWASOM'17) Gdańsk, PL, 2017.07 09–14

109. **W. Stręk**, **R. Tomala**,

Emission Properties of Nd^{3+} : $Y_2Si_2O_7$ Nanocrystals Under High Power Excitation. (I)

18th Int.Conf.on Luminescence (ICL'17) João Pessoa, PB, BR, 2017.08 27 –.09 01

110. **K. Synoradzki**, **K. Ciesielski**, **D. Kaczorowski**,

Magnetocaloric Effect in Antiferromagnetic Half-Heusler Alloy DyNiSb. (P)

*[9th] Eur.Conf.on Physics of Magnetism (PM'17) /*Poznań, PL, 2017.06 26–30

111. **K. Synoradzki**, **K. Ciesielski**, **L.Kępiński**, **D. Kaczorowski**,

Thermoelectric Properties of $(DyNiSn)_{1-x}(DyNiSb)_x$ Composite. (P)

Int.Conf.on Strongly Correlated Electron Systems (SCES 2017) Prague, CZ, 2017.07 17–21

112. **K. Synoradzki**, J.Dubowik, Y*.V.Kudryavtsev,

Magnetocaloric Properties of the Fe_2MnGa Heusler Alloy. (P)

*[9th] Eur.Conf.on Physics of Magnetism (PM'17) /*Poznań, PL, 2017.06 26–30

113. **K. Synoradzki**, T.Toliński, M.Koterlyn,

Enhanced Thermoelectric Power Factors in the $Ce(Ni_{1-x}Cu_x)_2Si_2$ and $CeNi_2(Si_{1-y}Ge_y)_2$ Alloys. (P)

*[9th] Eur.Conf.on Physics of Magnetism (PM'17) /*Poznań, PL, 2017.06 26–30

114. M.Szalkowska, B.Borak, **A.Łukowiak**, **M. Ptak**, B.Babiarczuk, J.Krzak,

Sol–Gel- Derived Bioactive Glasses Doped with L-Ascorbic Acid. (O)

14th Int.Conf.on Molecular Spectroscopy(ICMS 2017) Białka Tatrzańska, PL, 2017.09 03–07

115. **D. Szewczyk**, **A.Jeżowski**,

Anomalies in Thermal Properties of 1-Fluoroadamantane. (P)

28th Int.Conf.on Low Temperature Physics (LT-28) Gothenburg, SE, 2017.08 09–16

116. **M. Szlawska**, **D. Gnida**, **M. Daszkiewicz**, **D. Kaczorowski**,

Magnetic Ordering in Single-Crystalline $URhGe_2$. (C)

47èmes Journées des Actinides (JdA-47) Karpacz, PL, 2017.03 26–30

117. **M. Szlawska**, A.Gribanov, **D. Kaczorowski**,

Magnetic Ordering in Ce_2IrGe_3 . (P)

Int.Conf.on Strongly Correlated Electron Systems (SCES 2017) Prague, CZ, 2017.07 17–21

118. **M. Szlawska**, **P. Swatek**, **D. Kaczorowski**,

Quantum Oscillations in the Nodal-Line Dirac Semimetal ZrSiS. (C)

*[9th] Eur.Conf.on Physics of Magnetism (PM'17) /*Poznań, PL, 2017.06 26–30

119. **J. Sznajd**,

Samoorganizacja: Piękna Teoria Fizyczna. [Self-organization: Brillant Physical Theory.] (L)

XXII Minisymp. Fizyki Statystycznej [22nd Mini-symp.on Statistical Physics] Wrocław, PL, 2017.12 08

120. M.B.Tchoula Tchokonté, J.J.Mboukami, B.M.Sondezi, A.K.H.Bashir, A.M.Strydom, **D. Kaczorowski**, D.Britz,

Critical Behaviour Study around the Para-to-Ferromagnetic Phase Transition Temperature in Pr_2Pt_2In. (P)

Int.Conf.on Strongly Correlated Electron Systems (SCES 2017) Prague, CZ, 2017.07 17–21

121. T.Toliński, P.Skokowski, **K. Synoradzki**,

Magnetyczne przejścia fazowe – identyfikacja na podstawie efektu magnetokalorycznego. [???.] (L)

XLIV Zj. Fizyków Polskich [44th Congr.of Polish Physicists] (ZFP-44) Wrocław, PL, 2017.09 10-15

122. **R. Tomala**, **D. Hreniak**, **W. Stręk**,

Size Effect of Laser Induced White Emission of $Y_3Al_5O_{12}$. (P)

18th Int.Conf.on Luminescence (ICL '17) João Pessoa, PB, BR, 2017.08 27 –.09 01

123. **P. Tomaszewski**,

Syndrom Nobla w krystalografii. [A Nobel Syndrome in Crystallography.] (C)

59. Konwers. Krystalograficzne [59th Polish Crystallographic Meet.] Wrocław, PL, 2017.06 28–30

124. **L.M. Tran**, **Z. Bukowski**, **A.Zaleski**,

Interplay of Superconductivity Two Magnetic Sublattices in the Co- and Ca-Doped $EuFe_2As_2$-Systems. (I)

XVIII Kraj.Konf. Nadprzewodnictwa (XVIII KKN) [18th Polish Conf.on Superconductivity] Krynica Morska, PL, 2017.10 08–13

125. **V.H. Tran**, **D. Gralak**,

Hall Effect in Pseudoternary $URu_{1-x}Pd_xGe$ Intermetallics. (C)

[9th] Eur.Conf.on Physics of Magnetism (PM '17) / Poznań, PL, 2017.06 26–30

126. **V.H. Tran**, **R. Idczak**, **P. Głuchowski**, P.Skokowski,

Physical Properties of (graphene/BN)- and (BN/graphene)-Encapsulated α-Fe Nanoceramics. (I)

Int.Symp.on Advanced Materials and Applications, Phu Quoc, VN, 2017.12 10–13

127. **V. Travin**,

The Dipole Moment Interaction Created by AC Stark Effect for Ultra-Cold Bosons in Optical Lattices. (P)

XVIII Kraj.Konf. Nadprzewodnictwa (XVIII KKN) [18th Polish Conf.on Superconductivity] Krynica Morska, PL, 2017.10 08–13

128. **R. Troć**,

A Rattling Effect in Actinide Cage-Type Structures. (C)

47èmes Journées des Actinides (JdA-47) Karpacz, PL, 2017.03 26–30

129. Y.Utsumi, **O. Bednarchuk**, **P. Swatek**, **D. Kaczorowski**, D.Céolin, J.Ablett, J.-P. Rueff,

Electronic Structure of $EuTGe_3$ (T = Co, Ni, Rh, Ir) Studied by Hard X-ray Photoelectron Spectroscopy. (P)

Int.Conf.on Strongly Correlated Electron Systems (SCES 2017) Prague, CZ, 2017.07 17–21

130. **A.Watras**, **P. Dereń**, P.Boutinaud,

Spectroscopic Properties of Unusual Oxidation State of Bismuth Ions (Bi^{2+}) Obtained in $Ca_9KMg(PO_4)_7$. (L)

6th Int.Worksh.on Advanced Spectroscopy & Optical Materials (IWASOM '17) Gdańsk, PL, 2017.07 09–14

131. M.Widelicka, K.Pogorzelec-Glaser, **A.Pietraszko**, P.Ławniczak, R.Pankiewicz, A.Łapiński,

Badanie przejścia porządek–nieporządek w przewodniku protonowym – szczawianie pirazolu. [???.] (P)

59. Konwers. Krystalograficzne [59th Polish Crystallographic Meet.] Wrocław, PL, 2017.06 28–30

132. **M.J. Winiarski**, J.Zasada, **M. Samsel-Czekała**,

Strain Effects on Electronic Structures of monolayer Iron Sulphide and Selenide. (L)

XVIII Kraj.Konf. Nadprzewodnictwa (XVIII KKN) [18th Polish Conf.on Superconductivity] Krynica Morska, PL, 2017.10 08–13

133. M.Winiarski, B.Wiendlocha, S.Gołąb, S.K.Kushawaha, **P. Wiśniewski**, **D. Kaczorowski**, J.D.Thompson, R.J.Cava, T.Klimczuk,

$CaBi_2$ – A New Type-I Superconductor with the ZrSiS Crystal Structure. (C)

Int.Conf.on Strongly Correlated Electron Systems (SCES 2017) Prague, CZ, 2017.07 17–21

134. M.J.Winiarski, B.Wiendlocha, S.Gołąb, S.K.Kushwaha, **D. Kaczorowski**, J.D.Thompson, R.J.Cava, T.Klimczuk,

$CaBi_2$ – A New Type-I Superconductor. (C)

XVIII Kraj.Konf. Nadprzewodnictwa (XVIII KKN) [18th Polish Conf.on Superconductivity] Krynica Morska, PL, 2017.10 08–13

135. **P. Wiśniewski**,

Rare-Earth Based Half-Heusler Phases and Monopnictides – Magnetotransport, Superconductivity and Antiferromagnetism. (I)

[9th] Eur.Conf.on Physics of Magnetism (PM'17) / Poznań, PL, 2017.06 26–30

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

Superconductivity in Rare-Earth-Bearing Half-Heusler Bismuthides RPdBi, Including Antiferromagnets (R = Dy, Ho, Er). (I)

XVIII Kraj.Konf. Nadprzewodnictwa (XVIII KKN) [18th Polish Conf.on Superconductivity] Krynica Morska, PL, 2017.10 08–13

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

Superconductivity in Rare-Earth-Bearing Half-Heusler Bismuthides $RE ME$ Bi (RE = Y, Lu, Dy, Ho, Er; ME = Pt, Pd). (C)

CMAC Days 2017 [Eur.Integr.Ctr.for the Development of New Metallic Alloys & Compounds], Athens, GR, 2017.11 20-23

138. P.Zajdel, **A.Gągor**, D.M.Pajerowski, **M. Ptak**, **M. Szlawska**,

Suppression of Commensurate Magnetic Phase in Nanosized Hübnerite $MnWO_4$. (P)

59. Konwers. Krystalograficzne [59th Polish Crystallographic Meet.] Wrocław, PL, 2017.06 28–30

139. J.K.Zaręba, **J. Janczak**, M.Samoć, M.Nyk,

Structural Preferences and Spectroscopy of AIE-Active 9,10-*bis*[4-(Dietoxyphosphoryl) Styryl] Anthracene and Its O_h, T_d-Cobalt(II) **Coordination Polymer.** (P)

59. Konwers. Krystalograficzne [59th Polish Crystallographic Meet.] Wrocław, PL, 2017.06 28–30

140. L.Żur, L.T.N.Tran, D.Massella, A.Vaccari, A.Chiasera, S.Varas, C.Armellini, M.Sołtys, D.Zonta, T.T.V.Tran, **A.Łukowiak**, W.A.Pisarski, S.Taccheo, R.Ramponi, G.C.Righini, Y.G.Boucher, M.Ferrari,

Er-Doped SiO_2–SnO_2 Glass Ceramics for Photonics – from the Synthesis to the Device. (C)

6th Int.Worksh.on Advanced Spectroscopy & Optical Materials (IWASOM'17) Gdańsk, PL, 2017.07 09–14