Instytut Niskich Temperatur
i Badań Strukturalnych PAN

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LISTA PUBLIKACJI 2019
LIST of PUBLICATIONS

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Articles in Scientific Journals

1. A.Abbasi, M.Najafi, **J. Janczak**, K. Van Hecke,

   Mo(VI) and W(VI) Complexes as Heterogeneous Catalysts for Degradation of Azo Dyes.

   J. Environ. Chem. Eng. **7**$_1$ (2019) # 102 865 (8). [DOI]

2. **K.Adamska**, **J. Okal**, W.Tylus,

   Stable Bimetallic Ru−Mo / Al_2O_3 Catalysts for the Light Alkane Combustion: Effect of the Mo Addition.

   Appl. Catal. B **246** (2019) 180–94. [DOI]

3. H.Ahankar, A.Ramazani, K.Ślepokura, T.Lis, **V. Kinzhybalo**,

   Magnetic Cobalt Ferrite Nanoparticles Functionalized with Citric Acid as a Green Nanocatalyst for One-Pot Three-Component Sonochemical Synthesis of Substituted 3-Pyrrolin-2-ones.

   Res. Chem. Intermed. **45**$_{10}$ (2019) 5 007–25. [DOI]

4. A.Albalawi, Ch.Brilliant, A.Chiasera, H.Gebavi, R.Balda, M.Ferrari, W.Blanc, W.Albalawi, H.Hung, A.Quandt, **A.Łukowiak**, S.Taccheo,

   Analytical Modelling of Tm-Doped Tellurite Glass Including Cross-Relaxation Process.

   Opt. Mater. **87** (2019) 29–34. [DOI]

   7th Int.Worksh.on Photoluminescence in Rare Earths (PRE) ROME, IT, 2017.11 29 –.12 02

5. M.Alicka, **P. Sobierajska**, K.Kornicka, **R.J. Wiglusz**, K.Marycz,

   Lithium Ions (Li^+) and Manohydroxyapatite (nHAp) Doped with Li^+ Enhance Expression of Late Osteogenic Markers in Adipose-Derived Stem Cells. Potential Theranostic Application of nHAp Doped with Li^+ and Co-doped with Europium (III) and Samarium (III) Ions.

   Mater. Sci. Eng. C **99** (2019) 1257–73. [DOI]

6. A.Anand, R.K.Veena, M.Manjuladevi, V.S.Veena, **Yu.S. Koshkid'ko**, S.Sagar,

   A Study on the Magnetocaloric Effect in Ti Doped Manganites $Gd_{0.7}Sr_{0.3}Mn_{1-x}Ti_xO_3$ (x = 0, 0.1, and 0.15).

   J. Magn. Magn. Mater. **471** (2019) 537–43. [DOI]

7. Tran Kim Anh, Nguyen Thanh Huong, Pham Thi Lien, Do Khanh Tung, Vu Duc Tuc, Nguyen Duc Van, **W. Stręk**, Le Quoc Minh,

   Great Enhancement of Monodispersity and Luminescent Properties of Gd_2O_3 : Eu and Gd_2O_3 : Eu@ Silica Nanospheres.

   Mater. Sci. Eng. B **241** (2019) 1–8. [DOI]

8. F.M.Anjalin, N.Kanagathara, **M.K. Marchewka**, V.Mohankumar,

   Crystal Structure, Hirshfeld Surface Analysis and Vibrational Spectral Studies on *p*-Nitroanilinium *p*-Toluene Sulphonate Single Crystal.

   J. Mol. Struct. **1183** (2019) 78–86. [DOI]

9. F.M.Anjalin, N.Kanagathara, **M.K. Marchewka**, T.Srinivasan,

   Structural, Spectroscopic and Hirshfeld Surface Analysis of Anilinium Malonate.

   Asian J. Chem. **31**$_4$ (2019) 868–72. [DOI]

10. M.Anjomshoa, M.Torkzadeh-Mahani, M.Sahihi, C.Rizzoli, M.Ansari, **J. Janczak**, S.S.Esfahani, F.Ataei, M.Dehkhodaei, B.Amirheidari,

    ***Tris*-Chelated Complexes of Nickel(II) with Bipyridine Derivatives: DNA Binding and Cleavage, BSA Binding, Molecular Docking, and Cytotoxicity.**

    J. Biomol. Struct. Dyn. **37**$_{15}$ (2019) 3 887–904. [DOI]

11. M.Antoniadou, **A. Pilch-Wróbel**, Ch.Riziotis, **A. Bednarkiewicz**, E.Tanasă, Th.Krasia-Christoforou,

    Fluorescent Electrospun PMMA Microfiber Mats with Embedded $NaYF_4$: Yb / Er Upconverting Nanoparticles.

    Method. Appl. Fluoresc. **7** (2019) # 03 4002 (10). [DOI]

12. M.Antoszczak, D.Steverding, M.Sulik, **J. Janczak**, A.Huczyński,

    Anti-trypanosomal Activity of Doubly Modified Salinomycin Derivatives.

    Eur. J. Med. Chem. **173** (2019) 90–98. [DOI]

13. **V. Apinyan**, **T.K. Kopeć**,

    Excitonic Tunneling in the AB-Bilayer Graphene Josephson Junctions.

    J. Low Temp. Phys. **194**$_{3/4}$ (2019) 325–59. [DOI]

14. F.Armetta, Ch.Defilippi, C.Giordano, E.Caponetti, **Ł. Marciniak**, **D. Hreniak**, M.L.Saladino,

    Influence of Cerium Content and Heat Treatment on Ce : YAG @ Glass Wool Nanostructures.

    J. Nanopart. Res. **21**$_{7}$ (2019) # 152 (9). [DOI]

15. F.Armetta, M.L.Saladino, C.Giordano, Ch.Defilippi, **Ł. Marciniak**, **D. Hreniak**, E.Caponetti,

    Non-conventional Ce : YAG Nanostructures *via* Urea Complexes.

    Sci. Rep. **9** (2019) # 3368 (12). [DOI]

16. A.Aryal, **Yu. Koshkid'ko**, I.Dubenko, C.F.Sánchez-Valdés, J.L.Sánchez Llamazares, E.Lähderanta, S.Pandey, A.Granovsky, **J. Ćwik**, S.Stadler, Naushad Ali,

    Direct and Indirect Measurements of the Magnetic and Magnetocaloric Properties of $Ni_{0.895}Cr_{0.105}MnGe_{1.05}$ Melt-Spun Ribbons in High Magnetic Fields.

    J. Magn. Magn. Mater. **488** (2019) # 165 359 (4). [DOI]

17. L.Asgharnejad, A.Abbasi, M.Najafi, **J. Janczak**,

    Synthesis and Structure of Three New Alkaline Earth Metal–Organic Frameworks with High Thermal Stability as Catalysts for Knoevenagel Condensation.

    Cryst. Growth Des. **19**$_{5}$ (2019) 2 679–86. [DOI]

18. L.Asgharnejad, A.Abbasi, M.Najafi, **J. Janczak**,

    One-, Two- and Three-Dimensional Coordination Polymers Based on Copper Paddle-Wheel SBUs as Selective Catalysts for Benzyl Alcohol Oxidation.

    J. Solid State Chem. **277** (2019) 187–94. [DOI]

19. K.Bachosz, **K. Synoradzki**, M.Staszak, M.Pinelo, A.S.Meyer, J.Zdarta, T.Jesionowski,

    Bioconversion of Xylose to Xylonic Acid *via* Co-immobilized Dehydrogenases for Conjunct Cofactor Regeneration.

    Bioorg. Chem. **93** (2019) # 102 747 (10). [DOI]

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

    Hydrogen-Bonded 2-Benzylphenol and Its Crystalline Polymorphism.

    Phys. Scr. **94** (2019) # 08 5403 (7). [DOI]

21. **T.J. Bednarchuk**, W.Hornfeck, **V. Kinzhybalo**, ZhengYang Zhou, M.Dušek, **A. Pietraszko**,

    The Structures and Phase Transitions in 4-Amino-pyridinium Tetra-aqua-bis–(sulfato)-Iron(III), $(C_5H_7N_2)[Fe^{III}(H_2O)_4(SO_4)_2]$.

    Acta Cryst. B **75**$_{6}$ (2019) 1144–51. [DOI]

22. **A.Bednarkiewicz**, E.Chan, **A.Kotulska**, **Ł.Marciniak**, **K. Prorok**,

Photon Avalanche in Lanthanide Doped Nanoparticles for Biomedical Applications: Super-Resolution Imaging.

Nanoscale Horiz. **4**$_4$ (2019) 881–89. [DOI]

23. B.Belan, M.Manyako, **K. Pasińska**, M.Demchyna, R.E.Gladyshevskii,

Crystal Structure of the $Dy_3Ni_{11.83}Si_{3.98}$ Compound.

Solid State Phenom. **289** (2019) 29–34. [DOI]

21st Int.Conf.on Solid Compounds of Transition Elements (SCTE 2018) VIENNA, AT, 2018.03 25–29

24. A.Bensaddek, H.Akkari, **V. Kinzhybalo**,

A Novel Layered Neodymium Squarate MOF Intercalating Free Ammonium and Squarate Ions $\{(NH_4)_2[Nd_2(H_2O)_{10}(C_4O_4)_3]C_4O_4\}_n$: Synthesis, Crystal Structure and Thermal Decomposition.

J. Inorg. Organomet. Polym. Mater. **29**$_1$ (2019) 302–7. [DOI]

25. **И.В. Беркутов**, В.В.Андриевский, Ю.А.Колесниченко, O.A.Mironov,

Квантовые эффекты в германиевой квантовой яме со сверхвысокой подвижностью носителей заряда. [Quantum Effects in a Germanium Quantum Well with Ultrahigh Carrier Mobility.]

Физ. Низк. Темп. **45**$_{11}$ (2019) 1415–22 [in Russian].
Engl. in: *Low Temp. Phys.* **45**$_{11}$ (2019) 1202–8. [DOI]

26. **O. Bezkrovnyi**, **P. Kraszkiewicz**, I.Krivtsov, J.Quesada, S.Ordóñez, **L.Kępiński**,

Thermally Induced Sintering and Redispersion of Au Nanoparticles Supported on $Ce_{(}1-x)Eu_xO_2$ Nanocubes and Their Influence on Catalytic CO Oxidation.

Catal. Commun. **131** (2019) # 105 798 (?). [DOI]

27. J.Bławat, **P. Swatek**, Xin Gui, RongYing Jin, WeiWei Xie,

Antiferromagnetic Semiconductor $Eu_3Sn_2P_4$ with Sn–Sn Dimer and Crown-Wrapped Eu.

J. Mater. Chem. C **7**$_{40}$ (2019) 12 650–56. [DOI]

28. **V. Boiko**, J.Zeler, **M. Markowska**, **Z. Dai**, **A.Gerus**, P.Bolek, E.Zych, **D. Hreniak**,

Persistent Luminescence from $Y_3Al_2Ga_3O_{12}$ Doped with Ce^{3+} and Cr^{3+} after X-ray and Blue Light Irradiation.

J. Rare Earths **37**$_{11}$ (2019) 1200–5. [DOI]

29. **B. Bondzior**, **P.J. Dereń**,

The Multi-site Emission of Eu^{3+} in $Ba_2M(BO_3)_2$ (M = Mg, Ca) Solid-Solution.

J. Lumin. **213** (2019) 151–57. [DOI]

30. I.Bryndal, J.Lorenc, **L.Macalik**, J.Michalski, W.Sąsiadek, T.Lis, **J. Hanuza**,

Crystal Structure, Vibrational and Optic Properties of 2-*N*-Methylamino-3-Methylpyridine *N*-Oxide – Its X-ray and Spectroscopic Studies as well as DFT Quantum Chemical Calculations.

J. Mol. Struct. **1195** (2019) 208–19. [DOI]

31. K.Buchkov, M.Valkovski, **D. Gajda**, K.Nenkov, E.Nazarova,

Inter-granular Effects at High Magnetic Fields of Cuprate and Iron Chalcogenide Superconducting Materials.

J. Phys. Conf. Ser. **1186**$_1$ (2019) # 01 2004 (7). [DOI]

20th Int.Sch.on Condensed Matter Physics, VARNA, BG, 2018.09 03–06

32. B.Burtan-Gwizdała, M.Reben, J.Cisowski, El-S.Yousef, **R. Lisiecki**, I.Grelowska,

Spectroscopic Properties of Er^{3+}-Doped Fluorotellurite Glasses Modified by Nb_2O_5 and WO_3.

Opt. Appl. **49**$_3$ (2019) 393–402. [DOI]

33. T.A.Butcher, J.Hornung, T.Förster, M.Uhlarz, J.Klotz, I.Sheikin, J.Wosnitza, **D. Kaczorowski**,

Fermi Surface Investigation of the Semimetal $TaAs_2$.

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34. **M.A.Chaika**, P.Dłużewski, K.Morawiec, A.Szczepańska, K.Jabłońska, G.Mancardi, **R. Tomala**, **D. Hreniak**, **W. Stręk**, N.A.Safronova, A.G.Doroshenko, S.V.Parkhomenko, O.M.Vovk,

The Role of Ca^{2+} Ions in the Formation of High Optical Quality $Cr^{4+}, Ca : YAG$ Ceramics.

J. Eur. Ceram. Soc. **39** 11 (2019) 3344–52. [DOI]

35. M.Chaika, W.Paszkowicz, **W. Stręk**, **D. Hreniak**, **R. Tomala**, N.Safronova, A.Doroshenko, S.Parkhomenko, P.Dłużewski, M.Kozłowski, O.Vovk,

Influence of Cr Doping on the Phase Composition of Cr, Ca : YAG Ceramics by Solid State Reaction Sintering.

J. Am. Ceram. Soc. **102** 4 (2018) 2 104–15. [DOI]

36. **M.A.Chaika**, **R. Tomala**, **W. Stręk**, **D. Hreniak**, P.Dłużewski, K.Morawiec, P.V.Mateychenko, A.G.Fedorov, A.G.Doroshenko, S.V.Parkhomenko, K.Leśniewska-Matys, D.Podniesiński, A.Kozłowska, G.Mancardi, O.M.Vovk,

Kinetics of Cr^{3+} to Cr^{4+} Ion Valence Transformations and Intra-Lattice Cation Exchange of Cr^{4+} in Cr,Ca:YAG Ceramics Used as Laser Gain and Passive Q-Switching Media.

J. Chem. Phys. **151** (2019) # 134708 (10). [DOI]

37. **G. Chajewski**, **P. Wiśniewski**, **D. Gnida**, **A.P. Pikul**, **D. Kaczorowski**,

Crystal Growth and Physical Properties of the YPd_2Si_2 Superconductor.

Cryst. Growth Des. **19** 5 (2019) 2 557–63. [DOI]

38. A.Chiasera, C.Meroni, F.Scotognella, Y.G.Boucher, G.Galzerano, **A.Łukowiak**, D.Ristić, G.Speranza, S.Valligatla, S.Varas, L.Žur, M.Ivanda, G.C.Righini, S.Taccheo, R.Ramponi, M.Ferrari,

Coherent Emission from Fully Er^{3+}-Doped Monolithic 1-D Dielectric Microcavity Fabricated by *rf*-Sputtering.

Opt. Mater. **87** (2019) 107–11. [DOI]

39. V.B.Chzhan, I.S.Tereshina, E.A.Tereshina-Chitrová, G.S.Burkhanov, G.A.Politova, **H. Drulis**,

Magnetocaloric Properties of Hydrogenated Gd, Tb and Dy.

J. Magn. Magn. Mater. **470** (2019) 41–45. [DOI]

2nd Int. Baltic Conf.on Magnetism (IBCM) SVETLOGORSK, KO, RU, 2017.08 20–24

40. **B. Cichy**, **A.Olejniczak**, **O. Bezkrovnyi**, **L.Kępiński**, **W. Stręk**,

Defects Mediated Charge Disturbance in Quantum-Confined Ag_xS / $AgInS_2$ Random Alloys – Toward Slowly Decaying Quantum Dot Emitters.

J. Alloy. Compd. **798** (2019) 290–99. [DOI]

41. **K. Ciesielski**, **K. Synoradzki**, I. Wolańska, **P. Stuglik**, **D. Kaczorowski**,

High-Temperature Thermoelectric Properties of Half-Heusler Phases $Er_{1-x}Ho_xNiSb$.

Mater. Today: Proc. **8** 2 (2019) 562–66. [DOI]

15th Eur.Conf.on Thermoelectrics (ECT 2017) PADUA, IT, 2017.09 25–27

42. **A.Ciupa-Litwa**, **M. Ptak**, **J. Hanuza**, E.Kucharska, K.Beć,

Comparative Studies of Vibrational Properties and Phase Transitions in Perovskite-Like Frameworks of $[(C_3H_7)_4N][M(N(CN)_2)_3]$ with M = Mn, Co, Ni.

J. Raman Spectrosc. **50** 10 (2019) 1561–71. [DOI]

43. **J. Ćwik**, **Yu.Koshkid'ko**, N.Kol'chugina, K.Nenkov, N.A.de Oliveira,

Thermal and Magnetic Effects in Quasi-Binary $Tb_{1-x}Dy_xNi_2$ ($x = 0.25, 0.5, 0.75$) Intermetallics.

Acta Mater. **173** (2019) 27–33. [DOI]

44. M.Czaja, **R. Lisiecki**,

Luminescence of Agrellite Specimen from the Kipawa River Locality.

Minerals (Basel) **9** 12 (2019) # 752 (15). [DOI]

45. M.Czaja, **R. Lisiecki**, M.Kądziołka-Gaweł, A.Winiarski, T.Krzykawski,

The Afterglow Effect of Mn-Bearing Natural $LiAlSi_2O_6$ Spodumene Crystals.

Opt. Mater. **96** (2019) # 109321 (8). [DOI]

46. Z.Czapla, **J. Janczak**, O.Czupiński, J.Przesławski, M.Crofton,

Structural Phase Transition and Ferroelasticity in $(H_2NNH_3)_3CdBr_5$ Crystal.

J. Phys. Chem. Solids **124** (2019) 94–99. [DOI]

47. P.Dąbrowski, M.J.Kulus, A.Cieślik, Z.Domagała, **R.J. Wiglusz**, P.Kuropka, J.Kuryszko, A.Thannhauser, Ł.Szleszkowski, P.M.Wojtulek, D.Soliński, P.Dzięgiel,

A Case of Syphilis with High Bone Arsenic Concentration from Early Modern Cemetery (Wrocław, Poland).

Open Life Sci. **14**$_1$ (2019) 427–39. [DOI]

48. **Z. Dai**, **V. Boiko**, **M. Markowska**, **A.Gerus**, **K. Grzeszkiewicz**, J. HÖLSÄ, M.L.Saladino, **D. Hreniak**,

Optical Studies of $Y_3(Al, Ga)_5O_{12} : Ce^{3+}, Cr^{3+}, Nd^{3+}$ Nano-Phosphors Obtained by the Pechini Method.

J. Rare Earths **37**$_{11}$ (2019) 1132–36. [DOI]

49. N.T.Dang, D.P.Kozlenko, D.N.Petrov, **J. Ćwik**, G.Kim, W.H.Shon, J.S.Rhyee, S.C.Yu, Phan The Long,

Magnetic Field Driven Critical Behavior in Bulk Gd.

J. Appl. Phys. **125** (2019) # 15 3903 (8). [DOI]

50. **D. Das**, **M. Daszkiewicz**, **D. Gnida**, **A.Hackemer**†, M.Werwiński, A.Szajek, **D. Kaczorowski**,

Study on $CePtIn_4$ Grown in a Platelet-Like Morphology.

Solid State Commun. **302** (2019) # 113 717 (5). [DOI]

51. **D. Das**, **D. Gnida**, **D. Kaczorowski**,

Anisotropic Magnetotransport and Magnetic Phase Diagrams of the Antiferromagnetic Heavy-Fermion Superconductor Ce_3PdIn_{11} .

Phys. Rev. B **99** (2019) # 05 4425 (7). [DOI]

52. **D. Das**, **D. Gnida**, **P. Wiśniewski**, **D. Kaczorowski**,

Magnetic Field– Driven Quantum Criticality in Antiferromagnetic $CePtIn_4$.

Proc. Natl. Acad. Sci. USA **116**$_{41}$ (2019) 20 333–38. [DOI]

53. **D. Das**, **D. Kaczorowski**,

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

J. Magn. Magn. Mater. **471** (2019) 315–20. [DOI]

54. P.G.Derakhshandeh, S.Abednatanzi, K.Leus, **J. Janczak**, R.Van Deun, P.Van Der Voort, K.Van Hecke,

Ce(III)-Based Frameworks: From 1D Chain to 3D Porous Metal–Organic Framework.

Cryst. Growth Des. **19**$_{12}$ (2019) 7096–105. [DOI]

55. M.Dobrzyński, K.Herman, E.Bryła, K.Fita, K.Dudek, M.Kowalczyk-Zając, M.Szymonowicz, Z.Rybak, M.Korczyński, **R.J. Wiglusz**,

The Heat Risk During Hardening of Dental Glass-Ionomer Cements Using a Light-Curing.

J. Therm. Anal. Calorim. **135**$_6$ (2019) 3123–28. [DOI]

56. M.Dobrzyński, P.Kuropka, A.Leśków, K.Herman, M.Tarnowska, **R.J. Wiglusz**,

Co-expression of the Aryl Hydrocarbon Receptor and Estrogen Receptor in the Developing Teeth of Rat Offspring after Rat Mothers' Exposure to 2,3,7,8-Tetrachlorodibenzo-*p*-Dioxin and the Protective Action of α-Tocopherol and Acetylsalicylic Acid.

Adv. Clin. Exp. Med. **28**$_7$ (2019) 993–1000. [DOI]

57. M.Dobrzyński, P.Kuropka, M.Tarnowska, K.Dudek, M.Styczyńska, A.Leśków, **S. Targońska**, **R.J. Wiglusz**,

Indirect Study of the Effect of α-Tocopherol and Acetylsalicylic Acid on the Mineral Composition of Bone Tissue in the Offspring of Female Rats Treated with 2,3,7,8-Tetrachlorodibenzo-*p*-Dioxin: Long-Term Observations.

RSC Adv. **9** 14 (2019) 8 016–24. [DOI]

58. M.Dobrzyński, P.Kuropka, M.Tarnowska, M.Styczyńska, K.Dudek, A.Leśków, **S. Targońska**, **R.J. Wiglusz**,

The Protective Effect of α-Tocopherol on the Content of Selected Elements in the Calvaria for Exposed Hens to TCDD in the Early Embryonic Period.

Biol. Trace Elem. Res. **190** 2 (2019) 517–25. [DOI]

59. M.Dobrzyński, M.Pajączkowska, J.Nowicka, A.Jaworski, P.Kosior, M.Szymonowicz, P.Kuropka, Z.Rybak, Z.A.Bogucki, J.Filipiak, **S. Targońska**, **A.Ciupa-Litwa**, **A.Han**, **R.J. Wiglusz**,

Study of Surface Structure Changes for Selected Ceramics Used in the CADĆAM System on the Degree of Microbial Colonization, *in vitro* Tests.

BioMed Res. Int. **2019** (2019) # 9 130 806 (13). [DOI]

60. **J. Drabik**, **Ł.Marciniak**,

The Influence of Eu^{3+} Concentration on the Spectroscopic Properties of YAG : Ti, Eu^{3+} Nanocrystalline Luminescent Thermometer.

J. Lumin. **208** (2019) 213–17. [DOI]

61. A.Druzhinin, I.Ostrovskii, Yu.Khoverko, **K. Rogacki**,

Rashba Interaction in Polysilicon Layers SemOI-Structures.

J. Electron. Mater. **48** 6 (2019) 4 934–38. [DOI]

62. A.Druzhinin, I.Ostrovskii, Yu.Khoverko, N.Liakh-Kaguy,

Quantization in Magnetoresistance of Strained InSb Whiskers.

Физ. Низк. Темп. **45** 5 (2019) 599–604. Also in: *Low Temp. Phys.* **45** 5 (2019) 513–17. [DOI]

63. A.Druzhinin, I.Ostrovskii, Yu.Khoverko, N.Liakh-Kaguy,

Strain-Induced Berry Phase in GaSb Microcrystals.

J. Low Temp. Phys. **196** 3/4 (2019) 375–85. [DOI]

64. A.Druzhinin, I.Ostrovskii, Yu.Khoverko, N.Shcherban, A.Lukianchenko,

Spin-Related Phenomena in Nanoscale Si, ⟨B, Ni⟩ Whiskers.

J. Magn. Magn. Mater. **473** (2019) 331–34. [DOI]
IEEE 8th Int.Conf.on Nanomaterials – Applications & Properties (NAP) ODESA, UA, 2018.09 09–14

65. A.Dzimitrowicz, G.C. diCenzo, **P. Swatek**, P.Cyganowski, A.Stencel, D.Pogoda, P.Jamroz, P.Pohl,

Size-Defined Synthesis of Magnetic Nanorods by *Salvia hispanica* Essential Oil with Electromagnetic Excitation Properties Useful in Microwave Imagining.

J. Magn. Magn. Mater. **480** (2019) 87–96. [DOI]

66. **K. Elżbieciak-Piecka**, **C. Matuszewska**, **Ł.Marciniak**,

Step by Step Designing of Sensitive Luminescent Nanothermometers Based on Cr^{3+}, Nd^{3+} Co-doped $La_{3-x}Lu_xAl_{5-y}Ga + yO_{12}$ Nanocrystals.

New J. Chem. **43** 32 (2019) 12 614–22. [DOI]

67. N.Fattahi, A.Ramazani, H.Ahankar, P.A.Asiabi, **V. Kinzhybalo**,

Tetramethylguanidine-Functionalized Fe_3O_4 / Chloro-Silane Core–Shell Nanoparticles: An Efficient Heterogeneous and Reusable Organocatalyst for Aldol Reaction.

Silicon **11** 3 (2019) 1441–50. [DOI]

68. N.Fattahi, A.Ramazani, **V. Kinzhybalo**,

Imidazole-Functionalized Fe_3O_4 / Chloro-Silane Core–Shell Nanoparticles: An Efficient Heterogeneous Organocatalyst for Esterification Reaction.

Silicon **11**$_4$ (2019) 1745–54. [DOI]

69. A.A.Fedorchuk, Yu.Slyvka, **V. Kinzhybalo**, I.Kityk, J.Jędryka, K.Ozga, M.Mys'kiv,

Copper(I) π-Coordination Compounds with Allyl Derivatives of Disubstituted Pseudothiohydantoin: Synthesis, Structure Investigation and Nonlinear Optical Features.

J. Coord. Chem. **72**$_{19-21}$ (2019) 3222–36. [DOI]

70. A.A.Fedorchuk, Yu.I.Slyvka, **V. Kinzhybalo**, T.Lis, M.G.Mys'kiv,

An Unusual Diverse Coordination of Silver(I) with *N*-Allylthiohydantoin Ligand in the Presence of Benzene- and *p*-Toluenesulfonate Anions.

Inorg. Chim. Acta **484** (2019) 79–86. [DOI]

71. **D. Gajda**,

Analysis Method of High-Field Pinning Centers in NbTi Wires and MgB_2 Wires.

J. Low Temp. Phys. **194**$_{1/2}$ (2019) 166–82. [DOI]

72. B.Georgieva, T.Koutzarova, S.Kolev, K.Krezhov, D.Kovacheva, Ch.Ghelev, B.Vertruyen, **Lan M. Tran**, **A.J. Zaleski**,

Study of Y-Type Hexaferrite $Ba_{0.5}Sr_{1.5}ZnNiFe_{12}O_{22}$ Powders.

AIP Conf. Proc. **2075**$_1$ (2019) #160032 (?). [DOI]
10th [Jub.] Int.Conf.of The Balkan Physical Union, SOFIA, BG, 2018.08 26–30

73. B.Georgieva, S.Kolev, K.Krezhov, Ch.Ghelev, D.Kovachev, B.Vertruyen, R.Closset, **Lan M. Tran**, **M. Babij**, **A.J. Zaleski**, T.Koutzarova,

Structural and Magnetic Characterization of Y-Type Hexaferrite Powders Prepared by Sol–Gel Auto-Combustion and Sonochemistry.

J. Magn. Magn. Mater. **477** (2019) 131–35. [DOI]
9th Joint European Magnetic Symp. (JEMS) MAINZ, DE, 2018.09 03–07

74. S.Gharouel, **Ł.Marciniak**, **A.Łukowiak**, **W. Stręk**, K.Horchani-Naifer, M.Férid,

Impact of Grain Size, Pr^{3+} Concentration, and Host Composition on the Non-Contact Temperature Sensing Abilities of Polyphosphate Nano- and Microcrystals.

J. Rare Earths **37**$_8$ (2019) 812–18. [DOI]

75. **P. Głuchowski**, **Ł.Marciniak**, M.Lastusaari, **W. Stręk**,

Key Factors Tuning Upconversion and Near Infrared Luminescence in Nanosized $Lu_2O_3:Er^{3+},Yb^{3+}$.

J. Alloy. Compd. **799** (2019) 481–94. [DOI]

76. **P. Głuchowski**, K.Oganisian, **R. Tomala**, **A.Łukowiak**, D.Karpinsky, D.Alikin, A.Kholkin, **W. Stręk**,

Optical, Dielectric and Magnetic Properties of $La_{1-x}Nd_xFeO_3$ Powders and Ceramics.

Ceramics **2**$_1$ (2019) 1–12. [DOI]

77. **P. Głuchowski**, **R. Tomala**, **R. Kowalski**, O.Ignatenko, M.E.Witkowski, W.Drozdowski, **W. Stręk**, **W. Ryba-Romanowski**, **P. Solarz**,

"Frozen" Pressure Effect in GGAG : Ce^{3+} White Light Emitting Nanoceramics.

Ceram. Int. **45**$_{17\,A}$ (2019) 21870–77. [DOI]

78. P.Godlewska, **L.Macalik**, J.Lorenc, **R. Lisiecki**, **W. Ryba-Romanowski**, **J. Hanuza**, S.M.Kaczmarek, H.Fuks, G.Leniec,

Optical and Magnetic Properties of Neodymium(III) Six-Coordinate Complexes of 2,6-Lutidine *N*-Oxide Derivatives.

J. Solid State Chem. **276** (2019) 294–301. [DOI]

79. D.I.Gorbunov, T.Nomura, A.A.Zvyagin, M.S.Henriques, A.V.Andreev, Y.Skourski, G.A.Zvyagina, **R. Troć†**, S.Zherlitsyn, J.Wosnitza,

Magnetoelastic Coupling Across the Field-Induced Transition of Uranium Mononitride.

Phys. Rev. B **100** (2019) # 02 4417 (7). [DOI]

80. K.Górnicka, E.M.Carnicom, S.Gołąb, M.Łapiński, B.Wiendlocha, WeiWei Xie, **D. Kaczorowski**, R.J.Cava, T.Klimczuk,

$CeIr_3$: Superconductivity in a Phase Based on Tetragonally Close Packed Clusters.

Supercond. Sci. Technol. **32** (2019) # 02 5008 (13). [DOI]

81. K.Górnicka, **D. Das**, S.Gutowska, B.Wiendlocha, M.J.Winiarski, T.Klimczuk, **D. Kaczorowski**,

Iridium 5d-Electron Driven Superconductivity in $ThIr_3$.

Phys. Rev. B **100** (2019) # 21 4514 (7). [DOI]

82. K.Grabas, A.Pawełczyk, **W. Stręk**, E.Szełęg, S.Stręk,

Study on the Properties of Waste Apatite Phosphogypsum as a Raw Material of Prospective Applications.

Waste Biomass Valor. **10** $_{10}$ (2019) 3 143–55. [DOI]

83. A.V.Gribanov, S.V.Gribanova, **D. Kaczorowski**,

Polymorphic Modifications of Novel Cerium Germanide $Ce_{33.3}Ir_{22.2}Ge_{44.5}$ (at.%).

J. Alloy. Compd. **808** (2019) # 151 695 (9). [DOI]

84. M.Grodzicki, J.G.Rousset, P.Ciechanowicz, **E. Piskorska-Hommel**, D.Hommel,

Surface Studies of Physicochemical Properties of As Films on GaN(0001).

Appl. Surf. Sci. **493** (2019) 384–88. [DOI]

85. M.Grodzicki, J.G.Rousset, P.Ciechanowicz, **E. Piskorska-Hommel**, D.Hommel,

XPS Studies on the Role of Arsenic Incorporated into GaN.

Vacuum **167** (2019) 73–76. [DOI]

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

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

Acta Phys. Polon. A **135** $_1$ (2019) 69–73. [DOI]

18th Natl [Polish] Conf.on Superconductivity (NKN 2017) KRYNICA MORSKA, PL, 2017.10 08–13

87. N.Gulay, Yu.Tyvanchuk, **M. Daszkiewicz**, B.Stel'makhovych, Ya.Kalychak,

Crystal Structure of $Sc_3Co_{1.64}In_4$ and $Sc_{10}Co_9In_{20}$ from Single-Crystal Data.

Z. Naturforsch. B: Chem. Sci. **74** $_3$ (2019) 289–95. [DOI]

88. A.Hilczer, **K. Pasińska**, B.Andrzejewski, M.Matczak, **A.Pietraszko**,

Magnetic Properties of $Sr_{0.95}Nd_{0.05}Fe_{12-x}Sc_xO_{19}$ Hexaferrite Nanocrystals: (T_{cone} , H, x) Phase Diagram.

Ceram. Int. **45** $_1$ (2019) 1189–95. [DOI]

89. Yu.V.Horbatenko, O.O.Romantsova, O.A.Korolyuk, **A.Jeżowski**, **D. Szewczyk**, J.Ll.Tamarit, A.I.Krivchikov,

Anomalous Behavior of Thermal Conductivity at High Temperatures for Molecular Crystals Composed of Flexible Molecules.

J. Phys. Chem. Solids **127** (2019) 151–57. [DOI]

90. O.R.Hordiichuk, Yu.I.Slyvka, **V. Kinzhybalo**, E.A.Goreshnik, **T.J. Bednarchuk**, **O. Bednarchuk**, J.Jędryka, I.Kityk, M.G.Mys'kiv,

Construction of Heterometallic and Mixed-Valence Copper(I/II) Chloride π-Complexes with 1,2,4-Triazole Allyl-Derivative.

Inorg. Chim. Acta **495** (2019) # 109 012 (9). [DOI]

91. **R. Idczak**, R.Konieczny, T.Pikula, Z.Surowiec,

    Microstructure and Corrosion Properties of Fe–Cr–Si Alloys Prepared by Mechanical Alloying Method.

    Corrosion **75**$_6$ (2019) 860–68. [DOI]

92. **R. Idczak**, **V.H. Tran**,

    ^{57}Fe Mössbauer and Magnetic Studies of $Th_7Co_{2.5}$ $^{57}Fe_{0.5}$ and $Th_7Ni_{2.5}$ $^{57}Fe_{0.5}$ Superconductors.

    J. Phys.: Cond. Matter. **31** (2019) # 49 5802 (8). [DOI]

93. **R. Idczak**, **V.H. Tran**, B.Świątek-Tran, K.Walczak, W.Zając, J.Molenda,

    The Effects of Mn Substitution on the Structural and Magnetic Properties of the NASICON–**Type Solid Solution.**

    J. Magn. Magn. Mater. **491** (2019) # 165 602 (11). [DOI]

94. J.Iwanejko, A.Brol, B.Szyja, **M. Daszkiewicz**, E.Wojaczyńska, T.K.Olszewski,

    Aminophosphonates and Aminophosphonic Acids with Tetrasubstituted Stereogenic Center: Diastereoselective Synthesis from Cyclic Ketimines.

    Org. Biomol. Chem. **17**$_{31}$ (2019) 7 352–59. [DOI]

95. J.Iwanejko, A.Brol, B.Szyja, **M. Daszkiewicz**, E.Wojaczyńska, T.K.Olszewski,

    Hydrophosphonylation of Chiral Hexahydroquinoxalin-2(1H)-one Derivatives as an Effective Route to New Bicyclic Compounds: Aminophosphonates, Enamines and Imines.

    Tetrahedron **75** (2019) 1431–39. [DOI]

96. E.Jamroz, K.Kocot, B.Zawisza, E.Talik, **A.Gągor**, R.Sitko,

    A Green Analytical Method for Ultratrace Determination of Hexavalent Chromium Ions Based on Micro-Solid Phase Extraction Using Amino-Silanized Cellulose Membranes.

    Microchem. J. **149** (2019) # 104 060 (9). [DOI]

97. **J. Janczak**,

    Water-Involved Hydrogen Bonds in Dimeric Supramolecular Structures of Magnesium and Zinc Phthalocyaninato Complexes.

    ACS Omega **4**$_2$ (2019) 3 673–83. [DOI]

98. **J. Janczak**,

    Supramolecular Diversity in Solid-State Architecture Formed between the 1-(Diaminomethylene) Thiourea and Citric Acid.

    J. Mol. Struct. **1182** (2019) 9–21. [DOI]

99. K.Jaroszewski, T.Zhezhera, **P. Głuchowski**, **Ł.Marciniak**, M.Chrunik, A.Majchrowski, D.Kasprowicz,

    Enhanced 1.5 μ Emission of Er^{3+}-Doped Multifunctional $Bi_2ZnOB_2O_6$ Microcrystals.

    Dalton Trans. **48**$_{18}$ (2019) 6 283–90. [DOI]

100. I.Jendoubi, **M. Ptak**, **A.Pikul**, **J. Chmielowiec**, **A.Ciupa**, **M. Mączka**, M.F.Zid,

     Synthesis, Crystal Structure, Phonon, Magnetic and Electrical Properties of New Molybdate $Na_2Mn_2(MoO_4)_3$.

     J. Solid State Chem. **277** (2019) 738–50. [DOI]

101. **A.Jeżowski**, M.A.Strzhemechny, A.I.Krivchikov, O.S.Pyshkin, O.O.Romantsova, O.A.Korolyuk, D.I.Zloba, Yu.V.Horbatenko, **A.Filatova**,

     Thermoactivated Heat Transfer Mechanism in Molecular Crystals: Thermal Conductivity of Benzophenone Single Crystals.

     AIP Adv. **9** (2019) # 01 5121 (7). [DOI]

102. W.T.Jin, M.Meven, A.P.Sazonov, S.Demirdis, Y.Su, Y.Xiao, **Z. Bukowski**, S.Nandi, Th.Brückel,

Spin Reorientation of the Fe Moments in $Eu_{0.5}Ca_{0.5}Fe_2As_2$: Evidence for Strong Interplay of Eu and Fe Magnetism.

Phys. Rev. B **99** (2019) # 14 0402R (6). [DOI]

103. W.T.Jin, N.Qureshi, **Z. Bukowski**, Y.Xiao, S.Nandi, **M. Babij**, Z.Fu, Y.Su, Th.Brückel,

Spiral Magnetic Ordering of the Eu Moments in $EuNi_2As_2$.

Phys. Rev. B **99** (2019) # 01 4425 (6). [DOI]

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

Nonsaturating Extreme Magnetoresistance and Large Electronic Magnetostriction in LuAs.

Phys. Rev. Res. **1** (2019) # 03 2016 R (6). [DOI]

105. **D. Kaczorowski**, E.Murashova, Zh.Kurenbaeva, A.Gribanov,

Novel Germanide Ce_2RuGe : Synthesis, Crystal Structure and Low-Temperature Physical Properties.

J. Alloy. Compd. **802** (2019) 437–44. [DOI]

106. M.Kalka, N.Markiewicz, **M. Ptak**, E.D.Sone, A.Ożyhar, P.Dobryszycki, M.Wojtaś,

***In vivo* and *in vitro* Analysis of Starmaker Activity in Zebrafish Otolith Biomineralization.**

FASEB J. **33**$_6$ (2019) 6 877–86. [DOI]

107. K.J.Kapcia, **R. Lemański**, S.Robaszkiewicz†,

Extended Falicov–Kimball Model: Exact Solution for Finite Temperatures.

Phys. Rev. B **99** (2019) # 24 5143 (15). [DOI]
See also Erratum: *ibid.*, **101** (2020) # 23 9901 (1). [DOI]

108. M.Karbowiak, **K. Maciejewska**, Cz.Rudowicz,

Trends in Hamiltonian Parameters Determined by Systematic Analysis of f–d Absorption Spectra of Divalent Lanthanides in Alkali-Halides Hosts: III. $CsSrBr_3 : Ln^{2+}$ (Ln = Nd, Sm, Eu, Tm, Yb).

J. Lumin. **215** (2019) # 116 622 (12). [DOI]
For II. & I. see: *ibid.*, **197 & 199** (2018) 66– & 116–, resp. (M.K. & Cz.R.) [DOI]; [DOI]

109. D.V.Karpinsky, O.M.Fesenko, M.V.Silibin, S.V.Dubkov, M.Chaika, A.Yaremkevich, **A.Łukowiak**, **Yu.Gerasymchuk**, **W. Stręk**, A.Pakalniškis, R.Skaudzius, A.Kareiva, Y.M.Fomichov, V.V.Shvartsman, S.V.Kalinin, N.V.Morozovsky, A.N.Morozovska,

Ferromagnetic-Like Behavior of $Bi_{0.9}La_{0.1}FeO_3$–KBr Nanocomposites.

Sci. Rep. **9** (2019) # 10417 (10). [DOI]

110. E.Kasprzycka, V.A.Trush, L.Jerzykiewicz, V.M.Amirkhanov, **A.Watras**, J.Sokolnicki, O.L.Malta, P.Gawryszewska,

Lanthanide Complexes with Phosphorylated 2-Naphthylsulfonamides Ligands as Electromagnetic Radiation Converters.

Dyes Pigm. **160** (2019) 439–49. [DOI]
3rd Int. Caparica *Conf.on Chromogenic and Emissive Materials (IC^{3}EM-2018)* CAPARICA (Lisbon), PT, 2018.09 03–06

111. **L.Kępiński**, **W. Mista**, **D. Szymański**,

The Mixed-Valence $Ce_4Al_2O_{10}$ Aluminate.

Solid State Ionics **331** (2019) 1–5. [DOI]

112. L.Kernazhitsky, V.Shymanovska, T.Gavrilko, V.Naumov, L.Fedorenko, **J. Baran**,

Dark-Blue Titanium Dioxide: Effect of Phenothiazine on Structural and Optical Properties of Nanocrystalline Anatase TiO_2 .

J. Phys. Chem. Solids **126** (2019) 234–41. [DOI]

113. V.Yu.Khudoleeva, V.V.Utochnikova, A.S.Goloveshkin, **Ł.Marciniak**, A.V.Knotko, L.S.Lepnev, N.P.Kuzmina,

Surface Modified $Ln_xLa_{1-x}F_3$ (Ln = Dy, Yb) Nanoparticles: Toward Bright NIR Luminescence.

Dyes Pigm. **160** (2019) 890–97. [DOI]

114. Hoang Thi Khuyen, Nguyen Thanh Huong, Tran Thu Huong, Pham Thi Lien, Do Thi Anh Thu, Nguyen Thi Anh Huong, **W. Stręk**, Le Quoc Minh,

Luminescent and Magnetic Properties of Multifunctional Europium(III) Complex Based Nanocomposite.

J. Rare Earths **37**$_{11}$ (2019) 1237–41. [DOI]

115. Lam Thi Kieu Giang, **Ł.Marciniak**, K.K.Żur, Dinh Manh Tien, Nguyen Vu, Nguyen Thanh Binh, Tran Kim Anh, Le Quoc Minh,

Zirconium Metal Organic Framework for Design of Tetragonal Rare Earth-Doped Zirconia Nanoparticles.

J. Rare Earths **37**$_{11}$ (2019) 1230–36. [DOI]

116. Lam Thi Kieu Giang, A.Opalińska, **Ł.Marciniak**, Dinh Manh Tien, Pham Hoai Linh, Pham Thanh Binh, Nguyen Vu, Nguyen Thanh Binh, Le Quoc Minh,

Synthesis, Characterization and Luminescence Properties of ZrBDC : Eu^{3+}, Tb^{3+} Nanoscaled Metal Organic Frameworks.

Vietnam J. Chem. **57**$_4$ (2019) 443–47. [DOI]

117. I.I.Kindrat, B.V.Padlyak, **R. Lisiecki**, V.T.Adamiv,

Optical Spectroscopy and Luminescence Properties of a Tm^{3+}-Doped $LiKB_4O_7$ Glass.

J. Non-Cryst. Solids **521** (2019) # 11 9477 (10). [DOI]

118. B.Klimesz, **R. Lisiecki**, **W. Ryba-Romanowski**,

Sm^{3+}-Doped Oxyfluorotellurite Glasses – Spectroscopic, Luminescence and Temperature Sensor Properties.

J. Alloy. Compd. **788** (2019) 658–65. [DOI]

119. J.Klotz, K.Götze, V.Lorenz, Yu.Prots, H.Rosner, H.Harima, **Ł.Bochenek**, **Z. Henkie**, **T. Cichorek**, I.Sheikin, J.Wosnitza,

Fermi Surface Investigation of the Filled Skutterudite $LaRu_4As_{12}$.

Phys. Rev. B **100** (2019) # 20 5106 (8). [DOI]

120. **K. Knieć**, **Ł.Marciniak**,

Different Strategies of Stabilization of Vanadium Oxidation States in $LaGaO_3$ Nanocrystals.

Front. Chem. **7** (2019) # 520 (8). [DOI]

121. **K. Knieć**, **K. Ledwa**, **Ł.Marciniak**,

Enhancing the Relative Sensitivity of V^{5+}, V^{4+} and V^{3+} Based Luminescent Thermometer by the Optimization of the Stoichiometry of $Y_3Al_{5-x}Ga_xO_{12}$ Nanocrystals.

Nanomaterials **9**$_{10}$ (2019) # 1375 (10). [DOI]

122. **A.Kobylińska**, **K. Knieć**, **K. Maciejewska**, **Ł.Marciniak**,

The Influence of Dopant Concentration and Grain Size on the Ability to Temperature Sensing Using Nanocrystalline $MgAl_2O_4$: Co^{2+}, Nd^{3+} Luminescent Thermometers.

New J. Chem. **43**$_{15}$ (2019) 6 080–86. [DOI]

123. N.B.Kolchugina, K.Skotnicova, A.A.Lukin, G.S.Burkhanov, O.Zivotsky, M.Kursa, N.A.Dormidontov, P.A.Prokofev, **Yu.S. KoshkiÄŕ'ko**, T.Cegan, T.P.Kaminskaya, B.A.Ginzburg,

(Pr,Ho)–Fe–B Magnets for Low-Temperature Applications.

AIP Adv. **9**$_{12}$ (2019) # 12 5025 (5). [DOI]

24th Ann.Conf.on Magnetism & Magnetic Materials (NKN2017) LAS VEGAS, NV, US, 2019.11 04–08

124. **G. Kontrym-Sznajd**, S.B.Dugdale,

Comment on "Magnetic Compton scattering study of Laves phase $ZrFe_2$ and Sc doped $ZrFe_2$: Experiment and Green function based relativistic calculations" by Bhatt *et al.*

J. Magn. Magn. Mater. **475** (2019) 798–800. [DOI]
For the orig. paper see: *ibid.* **454** (2018) 125–30. [DOI]

125. **T.K. Kopeć**,

Density-Driven Superfluid Transition of the Constrained Bosons on a Lattice.

Phys. Lett. A **383** 17 (2019) 2 061–64. [DOI]

126. **Yu.S. Koshkid'ko**, E.T.Dilmieva, **J. Ćwik**, **K. Rogacki**, **D. Kowalska**, A.P.Kamantsev, V.V.Koledov, A.V.Mashirov, V.G.Shavrov, V.I.Valkov, A.V.Golovchan, A.P.Sivachenko, S.N.Shevyrtalov, V.V.Rodionova, I.V.Shchetinin, V.Sampath,

Giant Reversible Adiabatic Temperature Change and Isothermal Heat Transfer of MnAs Single Crystals Studied by Direct Method in High Magnetic Fields.

J. Alloy. Compd. **798** (2019) 810–19. [DOI]

127. **A.M. Kotulska**, **K. Prorok**, **A.Bednarkiewicz**,

Spectral Properties of Tm^{3+}- Doped $NaYF_4$ Up-converting Nanoparticles under Single and Double Photoexcitation Wavelengths.

Method. Appl. Fluoresc. **7** (2019) # 03 4001 (8). [DOI]

128. J.Kotwiński, M.Marzantowicz, M.Leszczyńska, **A.Gągor**, I.Abrahams, F.Krok,

Polymorphism in $LiN(CF_3SO_2)_2$.

Solid State Ionics **330** (2019) 9–16. [DOI]

129. T.Koutzarova, S.Kolev, K.Krezhov, B.Georgieva, D.Kovacheva, Ch.Ghelev, B.Vertruyen, F.Boschini, A.Mahmoud, **L.M. Tran**, **A.Zaleski**,

Study of the Structural and Magnetic Properties of Co-substituted $Ba_2Mg_2Fe_{12}O_{22}$ Hexaferrites Synthesized by Sonochemical Co-precipitation.

Materials **12** 9 (2019) # 1414 (11). [DOI]

130. A.Kovalenko, P.O.Rublev, L.O.Tcelykh, A.S.Goloveshkin, L.S.Lepnev, A.S.Burlov, A.A.Vashchenko, **Ł.Marciniak**, A.M.Magerramov, N.G.Shikhaliyev, S.Z.Vatsadze, V.V.Utochnikova,

Lanthanide Complexes with 2-(Tosylamino)-Benzylidene-*N*-(Aryloyl)Hydrazones – Universal Luminescent Materials.

Chem. Mater. **31** 3 (2019) 759–73. [DOI]

131. **D. Kowalska**, **E. Piskorska-Hommel**, A.Majchrowski, **M. Wołcyrz**,

Modal Disorder in Rubidium Tungstoniobate $RbNbWO_6$ Confirmed by EXAFS.

J. Solid State Chem. **276** (2019) 146–51. [DOI]

132. M.Ksiądzyna, **A.Gągor**, A.Piecha-Bisiorek, A.Ciżman, W.Medycki, R.Jakubas,

Exploring a Hybrid Ferroelectric with a 1-D Perovskite-Like Structure: *bis*(Pyrrolidinium) Pentachloroantimonate(III).

J. Mater. Chem. C **7**33 (2019) 10 360–70. [DOI]

133. **R. Kubiak**, G.Dyrda, K.Ejsmont,

Comparison of Optical Properties of Cr-Doped $Bi_{12}TiO_{20}$ and Fe-Doped $Bi_{12}SiO_{20}$.

J. Mol. Struct. **1177** (2019) 209–14. [DOI]

134. B.Kucharczyk, **K.Adamska**, W.Tylus, **W. Miśta**, B.Szczygieł, J.Winiarski,

Effect of Silver Addition to $LaFeO_3$ Perovskite on the Activity of Monolithic $La_{1-x}Ag_xFeO_3$ Perovskite Catalysts in Methane [and] Hexane Oxidation.

Catal. Lett. **149** 7 (2019) 1919–33. [DOI]

135. B.Kucharczyk, **J. Okal**, W.Tylus, J.Winiarski, B.Szczygieł,

The Effect of the Calcination Temperature of $LaFeO_3$ Precursors on the Properties and Catalytic Activity of Perovskite in Methane Oxidation.

Ceram. Int. **45** 2 B (2019) 2 779–88. [DOI]
1st Worksh.on Thermophysical Aspects of Functional Materials & Surfaces (TAFCS-1) CHISINAU, MD, 2017.08 28–31

136. D.S.Kuchin, E.T.Dilmieva, **Yu.S. Koshkid'ko**, A.P.Kamantsev, V.V.Koledov, A.V.Mashirov, V.G.Shavrov, **J. Ćwik**, **K. Rogacki**, V.V.Khovaylo,

Direct Measurement of Shape Memory Effect for $Ni_{54}Mn_{21}Ga_{25}$, $Ni_{50}Mn_{41.2}In_{8.8}$ Heusler Alloys in High Magnetic Field.

J. Magn. Magn. Mater. **482** (2019) 317–22. [DOI]

137. А.Г.Кучин, С.П.Платонов, **W. Iwasieczko**, В.И.Воронин, В.С.Гавико,

Влияние замещения железа хромом на магнитные и структурные свойства $(Tm_xPr_{1-x})_2Fe_{17}$. [Effect of Chromium Substitution for Iron on the Magnetic and Structural Properties of $(Tm_xPr_{1-x})_2Fe_{17}$.]

Физ. Мет. Металловед. **120** 12 (2019) 1235–42 [in Russian]. [DOI]
Engl. in: *Phys. Met. Metallogr.* **120** 12 (2019) 1137–44. [DOI]

138. **M. Kurnatowska**, **E. Piskorska-Hommel**, **P. Kraszkiewicz**, **M.J. Winiarski**,

New Doubly Doped Cerium Oxide $Ce_{1-x-y}Yb_yPd_xO_{2-\delta}$: The Effect of Ytterbium Doping on Stabilization of Reduced Palladium Species on Doped Ceria Oxide.

Mater. Chem. Phys. **229** (2019) 49–55. [DOI]

139. P.Kuropka, M.Dobrzyński, M.Tarnowska, R.Dymarek, A.Leśków, **R.J. Wiglusz**,

Thermographic Evaluation of Experimental Pleurisy Induced by Carrageenan and Modified by 2,3,7,8-Tetrachlorodibenzo-*p*-Dioxin (TCDD).

Acta Bioeng. Biomech. **21** 3 (2019) 23–29. [DOI]

140. P.Kuropka, M.Dobrzyński, M.Tarnowska, M.Styczyńska, K.Dudek, A.Leśków, **R.J. Wiglusz**,

The Influence of High Doses of α-Tocopherol on the Content of Selected Trace Elements in the Liver of Developing Chicken Embryos in Experimentally Induced 2,3,7,8-Tetrachlorodibenzo-*p*-Dioxin Intoxication.

Acta Biochim. Polon. **66** 2 (2019) 223–28. [DOI]

141. **K.A.Ledwa**, **L.Kępiński**, M.Pawlyta,

Thermal Stability and Propane Combustion Activity of $Rh_xCe_{1-x}O_{2-y}$ Nanoparticles Deposited on Functionalized Alumina.

Catal. Sci. Technol. **9** 17 (2019) 4 633–44. [DOI]

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

Upconversion Emission of the GaN Nanocrystals Doped with Rare Earth Ions.

Solid State Sci. **94** (2019) 127–32. [DOI]

143. **K. Lemański**, **B. Bondzior**, **D. Szymański**, **P.J. Dereń**,

Spectroscopic Properties of $Gd_xLa_{1-x}AlO_3$ Nanocrystals Doped with Pr^{3+} Ions.

New J. Chem. **43** 16 (2019) 6 242–48. [DOI]

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

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

Chem. Phys. Lett. **715** (2019) 360–66. [DOI]

145. **R. Lisiecki**, M.Głowacki, M.Berkowski, **W. Ryba-Romanowski**,

Contribution of Energy Transfer Processes to Excitation and Relaxation of Yb^{3+} Ions in $Gd_3(Al, Ga)_5O_{12} : RE^{3+}, Yb^{3+}$ ($RE^{3+} = Tm^{3+}, Er^{3+}, Ho^{3+}, Pr^{3+}$).

J. Lumin. **211** (2019) 54–61. [DOI]

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

Effect of Temperature on Up-conversion Phenomena in $Gd_3(Al,Ga)_5O_{12}$ Crystals Co-doped with Yb^{3+} and Tm^{3+}.

J. Lumin. **216** (2019) # 116 721 (8). [DOI]

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

Spectroscopic Peculiarities of Excitation and Emission Processes as well as Relaxation Dynamic of Excited States in Doubly and Triply Doped $Gd_3Ga_3Al_2O_{12}:Ln^{3+}$ ($Ln^{3+}=Eu^{3+},Tb^{3+},Ce^{3+}$) Crystals.

Opt. Mater. **88** (2019) 492–99. [DOI]

148. **M. Łukaszewicz**, **B. Cichy**, Dominika Wawrzyńczyk, **W. Stręk**,

Optically Driven Tunable Transistor Effect at Matter / Vacuum Interface – Toward Dielectric Optical Transistors.

ACS Appl. Electron. Mater. **1** $_7$ (2019) 1141–49. [DOI]

149. **M. Łukaszewicz**, **W. Stręk**,

Phototransistor Effect in Nanocrystalline Neodymium Aluminum Perovskite (NdAP) under 808 nm Laser Excitation.

Opt. Mater. **89** (2019) 283–67. [DOI]

150. **A.Łukowiak**, **Yu.Gerasymchuk**, **A.Wędzyńska**, **L.Tahershamsi**, **R. Tomala**, **W. Stręk**, D.Piątek, I.Korona-Głowniak, M.Speruda, A.Kędziora, G.Bugla-Ploskońska,

Light-Activated Zirconium(IV) **Phthalocyanine Derivatives Linked to Graphite Oxide Flakes and Discussion on Their Antibacterial Activity.**

Appl. Sci. (Basel) **9** $_{20}$ (2019) # 4447 (9). [DOI]

151. **M. Łysień**, K.Fiączyk, **R. Tomala**, F.Granek, **W. Stręk**,

Synthesis and Luminescence of Eu^{3+} Doped Nanocrystalline TiO_2 Spheres.

J. Rare Earths **37**$_{11}$ (2019) 1121–25. [DOI]

152. **M. Mączka**, I.E.Collings, F.F.Leite, W.Paraguassu,

Raman and Single-Crystal X-ray Diffraction Evidence of Pressure-Induced Phase Transitions in a Perovskite-Like Framework of $[(C_3H_7)_4N][Mn(N(CN)_2)_3]$.

Dalton Trans. **48** $_{25}$ (2019) 9 072–78. [DOI]

153. **M. Mączka**, **A.Gągor**, **M. Ptak**, **D. Stefańska**, **L.Macalik**, **A.Pikul**, A.Sieradzki,

Structural, Phonon, Magnetic and Optical Properties of Novel Perovskite-Like Frameworks of TriBuMe$[M(dca)_3]$ (TriBuMe = tributylmethylammonium; dca = dicyanamide; $M=Mn^{2+},Fe^{2+},Co^{2+},Ni^{2+}$).

Dalton Trans. **48** $_{34}$ (2019) 13 006–16. [DOI]

154. **M. Mączka**, **M. Ptak**,

Simple, Fast and Non-destructive Method for Detection of Dimethylammonium Impurity in Photovoltaic Methylammonium Lead Halides.

Appl. Solid State Chem. **[3]** № 1(6) (2019) 45–48. [DOI]

155. **M. Mączka**, **M. Ptak**, **A.Gągor**, A.Sieradzki, P.Peksa, G.Usevicius, M.Simenas, F.Furtado Leite, W.Paraguassu,

Temperature- and Pressure-Dependent Studies of a Highly Flexible and Compressible Perovskite-Like Cadmium Dicyanamide Framework Templated with Protonated Tetrapropylamine.

J. Mater. Chem. C **7**$_8$ (2019) 2 408–20. [DOI]

156. **M. Mączka**, **M. Ptak**, **A.Gągor**, **D. Stefańska**, A.Sieradzki,

Layered Lead Iodide of $[Methylhydrazinium]_2PbI_4$ with a Reduced Band Gap: Thermochromic Luminescence and Switchable Dielectric Properties Triggered by Structural Phase Transitions.

Chem. Mater. **31** $_{20}$ (2019) 8 563–75. [DOI]

157. **T.L.Mai**, **V.H. Tran**,

DFT Study of Electronic Structure Properties of SrAFe$_4$As$_4$ (A = Rb and Cs) Superconductors.

Comp. Mater. Sci. **156** (2019) 206–14. [DOI]

158. **T.L.Mai**, **V.H. Tran**,

***Ab initio* Study of Electronic Structure Properties of CaAFe$_4$As$_4$ (A = K, Rb, Cs) Superconductors.**

Comp. Mater. Sci. **169** (2019) # 109 114 (10). [DOI]

159. **D. Majchrzak**, M.Grodzicki, P.Ciechanowicz, J.G.Rousset, **E. Piskorska-Hommel**, D.Hommel,

The Influence of Oxygen and Carbon Contaminants on the Valence Band of p-GaN(0001).

Acta Phys. Pol. A **136** $_4$ (2019) 585–88. [DOI]

48th Int.Sch.& Conf.on the Physics of Semiconductors "Jaszowiec 2019" SZCZYRK, PL, 2019.06 08–14

160. D.Majchrzak, **A.Zaleski**, A.Morawski, **M. Małecka**, M.Rindfleisch, **D. Gajda**,

The Impact of High Pressure, Doping, and the Size of Crystalline Boron Grains on Creation of High-Field Pinning Centers in *in situ* MgB_2 Wires.

J. Supercond. Nov. Magn. **32** $_4$ (2019) 845–53. [DOI]

161. D.Majchrzak, **A.Zaleski**, A.Morawski, **M. Małecka**, M.Rindfleisch, **D. Gajda**,

The Influence of High Isostatic Pressure on Critical Current Density in C-Doped MgB_2 Wires.

J. Supercond. Nov. Magn. **32** $_5$ (2019) 1205–12. [DOI]

162. **M.A.Małecka**,

The Phosphates-Skipped Reaction Products in the Octahedron-Like Yb and Lu-Doped Ceria Synthesis.

Chem. Select **4** $_1$ (2019) 316–20. [DOI]

163. **M.A.Małecka**, **P. Kraszkiewicz**, **O. Bezkrovnyi**,

Catalysis by Shapely Nanocrystals of the $Ce_{1-x}Yb_xO_{2-x/2}$ Mixed Oxides – Synthesis and Phase Stability.

Mater. Charact. (2019) # 109 796 (11). [DOI]

164. S.Malick, **D. Das**, Z.Hossain,

Antiferromagnetic Ordering and Kondo Lattice Behavior in Moderate Heavy Fermion System Ce_3NiSi_3 .

J. Magn. Magn. Mater. **482** (2019) 108–12. [DOI]

165. М.Б.Маняко, **D. Kowalska**, Б.Д.Белан, Р.Є.Гладишевський,

Дослідження структури сполуки $YbAl_2$ методом монокристалу. [Single Crystal Investigation of the $YbAl_2$ Compound.]

Укр. Хім. Журн. **85** $_9$ (2019) 25–30 [in Ukrainian]. [DOI]

166. **Ł.Marciniak**, **A.Bednarkiewicz**, **K. Trejgis**, **K. Maciejewska**, **K. Elżbieciak**, **K. Ledwa**,

Enhancing the Sensitivity of a $Nd^{3+}, Yb^{3+} : YVO_4$ Nanocrystalline Luminescent Thermometer by Host Sensitization.

Phys. Chem. Chem. Phys. **21** $_{20}$ (2019) 10 532–39. [DOI]

167. K.Marycz, A.Śmieszek, J.Trynda, **P. Sobierajska**, **S. Targońska**, **Ł.Grosman**, **R.J. Wiglusz**,

Nanocrystalline Hydroxyapatite Loaded with Resveratrol in Colloidal Suspension Improves Viability, Metabolic Activity and Mitochondrial Potential in Human Adipose-Derived Mesenchymal Stromal Stem Cells (hASCs).

Polymers **11** $_1$ (2019) # 92 (23). [DOI]

168. **M. Matusiak**, **M. Babij**,

Thermoelectric Signature of the Nematic Phase in Hole-Doped Iron-Based Superconductors.

Phys. Rev. B **99** (2019) # 17 4507 (6). [DOI]

169. **M. Matusiak**, Th.Wolf,

In-plane Transport Anisotropy in a $Ba_{1-x}K_xFe_2As_2$ Iron-Based Superconductor.

Supercond. Sci. Technol. **32** (2019) # 10 5013 (7). [DOI]

170. **C. Matuszewska**, **K. Elżbieciak-Piecka**, **Ł.Marciniak**,

Transition Metal Ion-Based Nanocrystalline Luminescent Thermometry in $SrTiO_3 : Ni^{2+}, Er^{3+}$ Nanocrystals Operating in the Second Optical Window of Biological Tissues.

J. Phys. Chem. C **123** $_{30}$ (2019) 18 646–53. [DOI]

171. **V. Medviediev**, **M. Daszkiewicz**,

Structural, Theoretic and Spectroscopic Analysis of 2-Methyl-5-NitroÂŋaniline Salts with Various Inorganic Acids

Acta Cryst. B **75** $_6$ (2019) 1003–13. [DOI]

172. R.Meitzner, T.Faber, Sh.Alam, A.Amand, R.Roesch, M.Büttner, F.Herrmann-Westendorf, M.Presselt, L.Ciammaruchi, I.Visoly-Fisher, S.Veenstra, A.Diaz de Zerio, XiaoFeng Xu, E.Wang, Ch.Müller, P.Troshin, M.D.Hager, S.Köhn, **M. Dusza**, M.Krassas, S.Züfle, E.Kymakis, E.A.Katz, S.Berson, F.Granek, M.Manceau, F.Brunetti, G.Polino, U.S.Schubert, M.Lira-Cantu, H.Hoppe,

Impact of P3HT Materials Properties and Layer Architecture on OPV Device Stability.

Sol. Energy Mater. Sol. Cells **202** (2019) # 110 151 (17). [DOI]

173. K.Mencel, A.Piecha-Bisiorek, R.Jakubas, **V. Kinzhybalo**, W.Medycki,

Hybrid Organic–Inorganic Bismuth(III)**-Based Material $[4-NH_2C_5H_4NH]_7[BiCl_6]_2Cl$. Crystal Structure, Dielectric Properties and Molecular Motions of 4-Aminopyridinium Cations.**

J. Mol. Struct. **1179** (2019) 297–303. [DOI]

174. C.Meroni, F.Scotognella, Y.Boucher, **A.Łukowiak**, D.Ristić, G.Speranza, S.Varas, L.Zur, M.Ivanda, S.Taccheo, R.Ramponi, G.C.Righini, M.Ferrari, A.Chiasera,

Low-Threshold Coherent Emission at 1.5 µm from Fully Er^{3+} Doped Monolithic 1D Dielectric Microcavity Fabricated Using Radio Frequency Sputtering.

Ceramics **2** $_1$ (2019) 74–85. [DOI]

175. Le Quoc Minh, Tran Kim Anh, Nguyen Duy Hung, Pham Thi Minh Chau, Nguyen Thi Quy Hai, Ho Van Tuyen, Vu Thi Thai Ha, Vu Duc Tu, **W. Stręk**,

Upconversion Luminescence of $Gd_2O_3 : Er^{3+}$ and $Gd_2O_3 : Er^{3+}$/ Silica Nanophosphors Fabricated by EDTA Combustion Method.

J. Rare Earths **37** $_{11}$ (2019) 1126–31. [DOI]

176. **N. Miniajluk**, **B. Bondzior**, **D. Stefańska**, **P.J. Dereń**,

Eu^{3+} Ions in the Highly Symmetrical Octahedral Site in Ba_2MgWO_6 Double Perovskite.

J. Alloy. Compd. **802** (2019) 190–95. [DOI]

177. B.Z.Momeni, N.Fathi, R.Abbasi, **J. Janczak**,

Exploiting the Versatility of Pyridyl Ligands for the Preparation of Diorganotin(IV) **Adducts: Spectral, Crystallographic and Hirshfeld Surface Analysis Studies.**

Appl. Organomet. Chem. **33** $_{12}$ (2019) # e5239 (18). [DOI]

178. B.Z.Momeni, N.Fathi, M.Moghadasi, A.Biglari, **J. Janczak**,

New Insight into the Reactions of Organoplatinum(II) **Complexes with Diorganotin Dichloride and Diisothiocyanate: Oxidative Addition, Reductive Elimination and α-Elimination.**

J. Organomet. Chem. **880** (2019) 368–77. [DOI]

179. B.Z.Momeni, N.Fathi, **J. Janczak**, Z.Shahsavari,

Dihaloplatinum(II) **Complexes Having Diimine Ligands: Crystal Structure, Thermal Properties, Cytotoxicity Effects Against Breast Cancer Cells and Application as a Precursor Towards Nanoparticles.**

J. Coordin. Chem. **72** $_2$ (2019) 619–32. [DOI]

180. A.Morabito, M.Sciscìò, **S. Veltri**, M.Migliorati, P.Antici,

Design and Optimization of a Laser-PIXE Beamline for Material Science Applications.

Laser Part. Beams **37**$_4$ (2019) 354–63. [DOI]

181. M.Moroni, G.Prando, S.Aswartham, I.Morozov, **Z. Bukowski**, B.Büchner, H.J.Grafe, P.Carretta,

Charge and Nematic Orders in AFe$_2$As$_2$ (A = Rb, Cs) Superconductors.

Phys. Rev. B **99** (2019) # 235147 (7). [DOI]

182. **K. Moszak**, D.Pucicki, W.Olszewski, **D. Majchrzak**, J.Serafińczuk, D.Hommel,

Modulated Ammonia Flow – Low Temperature AlN Buffer LP-MOVPE Growth for High Quality AlGaN Layers.

Acta Phys. Pol. A **136**$_4$ (2019) 589–92. [DOI]

48th Int.Sch.& Conf.on the Physics of Semiconductors "Jaszowiec 2019" SZCZYRK, PL, 2019.06 08–14

183. C.Moularas, Y.Georgiou, **K.Adamska**, Y.Deligiannakis,

Thermoplasmonic Heat Generation Efficiency by Nonmonodisperse Core–Shell Ag^0@SiO$_2$ Nanoparticle Ensemble.

J. Phys. Chem. C **123**$_{36}$ (2019) 22 499–510. [DOI]

184. Ch.Moussa, N.Brisset, **G. Chajewski**, **M. Samsel-Czekała**, P.Boulet, H.Noël, M.Pasturel, **A.Pikul**, O.Tougait,

Overview of the U$_3$$TGe_5$ Family with T = Ti, V, Cr, Mn, Zr, Nb, Mo, Hf, Ta, W : Nine New Members, Phase Formation, Stability, Structural and Physical Properties and Electronic Structures.

J. Solid-State Chem. **277** (2019) 260–70. [DOI]

185. Z.Mroczek, A.Morawski, T.Czujko, F.Karaboğa, M.Akdoğan, **A.J. Zaleski**, **M. Małecka**, T.Cetner, H.Yetiş, **D. Gajda**, I.Belenli,

Influence of the Lamella Structure and High Isostatic Pressure on the Critical Current Density in *in situ* MgB$_2$ Wires without a Barrier.

J. Alloy. Compd. **776** (2019) 636–45. [DOI]

186. M.Mulak, **J. Mulak**,

Do We Properly Understand the Fitted Crystal-Field Parameters ?

phys. stat. solidi (b) **256**$_{12}$ (2019) # 1900179 (6). [DOI]

187. F.M.Muntyanu, K.Nenkov, **A.J. Zaleski**, N.Muntean, V.Chistol,

Evolution of Superconductivity and Weak Magnetism in Inclination Interfaces of Bi, Sb and Bi$_{1-x}$Sb$_x$ ($0.07 \leqslant x \leqslant 0.2$) Alloys.

Solid State Commun. **299** (2019) # 113660 (5). [DOI]

188. M.Musielak, **A.Gągor**, B.Zawisza, E.Talik, R.Sitko,

Graphene Oxide / Carbon Nanotube Membranes for Highly Efficient Removal of Metal Ions from Water.

ACS Appl. Mater. Interf. **11**$_{31}$ (2019) 28 582–90. [DOI]

189. A.Nikolenko, V.Strelchuk, O.Gnatyuk, **P. Kraszkiewicz**, V.Boiko, E.Kovalska, **W Mišta**, **R Klimkiewicz**, V.Karbivskii, G.Dovbeshko,

***In situ* Raman Study of Laser-Induced Stabilization of Reduced Nanoceria (CeO$_{2-x}$) Supported on Graphene.**

J. Raman Spectrosc. **50**$_4$ (2019) 490–98. [DOI]

190. **А.Николаева**, **Л.Конопко**, И.Гергишан, **K. Rogacki**, **P. Stachowiak**, **A.Jeżowski**, В.Шепелевич, В.Прокошин, С.Гусакова,

Термоэлектрические свойства полуметаллических и полупроводниковых фольг и нитей Bi$_{1-x}$Sb$_x$. [Thermoelectric Properties of Semimetal and Semiconductor Bi$_{1-x}$Sb$_x$ Foils and Wires.]

Физ. Техн. Полупров. **53**$_5$ (2019) 661–68 [in Russian]. [DOI]
Engl. in: *Semiconductors* **53**$_5$ (2019) 657–61. [DOI]

16th Int.Conf.on Thermoelectrics and Their Applications (ISCTA 2018) St PETERSBURG, RU, 2018.10 08–12

191. **R.V. Nikonkov**, **P. Stachowiak**, **A.Jeżowski**,

Influence of Different Nanoparticles Embedded in Crystalline Carbon Monoxide Matrix on Heat Transfer in the Nanocomposite.

Физ. Низк. Темп. **45** 3 (2019) 289–93. Also in: *Low Temp. Phys.* **45** 3 (2019) 249–53. [DOI]
12th Int.Conf.on Cryocrystals and Quantum Crystals (CC-2018) WROCLAW, PL, 2018.08 26–31

192. **V.I. Nizhankovskiy**,

Comparison of Optical Properties of Cr-Doped $Bi_{12}TiO_{20}$ and Fe-Doped $Bi_{12}SiO_{20}$.

J. Alloy. Compd. **771** (2019) 1036–39. [DOI]

193. **V.I. Nizhankovskiy**, **K. Rogacki**,

BKT Transition Observed in Magnetic and Electric Properties of $YBa_2Cu_3O_{7-\delta}$ Single Crystals.

Phys. Rev. B **100** (2019) # 104510 (8). [DOI]

194. R.Nowaczyński, M.Gajc, H.B.Surma, P.Osewski, **A.Strzęp**, **W. Ryba-Romanowski**, D.A.Pawlak,

Manufacturing of Volumetric Glass-Based Composites with Single- and Double-QD Doping.

Part. Part. Syst. Char. **36** 1 (2019) # 1800124 (6). [DOI]

195. **A.Olejniczak**, **B. Cichy**, **W. Stręk**,

DFT Calculations of Metal-Organic I–III–VI Semiconductor Clusters: Benchmark of Exchange-Correlation Functionals and Localized Basis Sets.

Comp. Mater. Sci. **163** (2019) 186–95. [DOI]

196. **A.Olejniczak**, **R. Tomala**, **B. Cichy**, **P. Głuchowski**, M.Jakimów, A.Zięba, **L.Kępiński**, O.Ignatenko, **W. Stręk**,

Laser-Driven Proliferation of sp^2-sp^3 Changes During Anti-Stokes White Light Emission of μ-Diamonds.

Carbon **146** (2019) 438–46. [DOI]

197. H.Oliveira, **A.Bednarkiewicz**, A.Falk, E.Fröhlich, D.Lisjak, A.Prina-Mello, S.Resch, Ch.Schimpel, I.Vinković-Vrček, E.Wysokińska, H.H.Gorris,

Critical Considerations on the Clinical Translation of Upconversion Nanoparticles (UCNPs): Recommendations from the European Upconversion Network (COST Action CM1403).

Adv. Healthc. Mater. **8** 1 (2019) # 1801233 (10). [DOI]

198. E.Ortiz-Rivero, M.Skowicki, **K. Prorok**, DaSheng Lu, T.Lipiński, **A.Bednarkiewicz**, D.Jaque, P.Haro-González,

SingleâĂŘCell Biodetection by Upconverting Microspinners.

Small **15** 46 (2019) # 1904154 (9). [DOI]
See also Erratum: *ibid.*, **16** (2020) # 2002055 (1). [DOI]

199. S.Pandey, **Yu.Koshkid'ko**, I.Dubenko, **J. Ćwik**, A.Aryal, A.Granovsky, E.Lähderanta, S.Stadler, Naushad Ali,

Adiabatic Temperature Changes at Structural and Magnetic Phase Transitions in $Ni_{45}Mn_{43}CoSn_{11}$ at High Magnetic Fields.

IEEE Tr. Magn. **55** 2 (2019) # 2500604. [DOI]

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

Hall Conductivity of Strongly Interacting Bosons in Optical Lattice.

Acta Phys. Polon. A **135** 1 (2019) 74–77. [DOI]
18th Natl [Polish] Conf.on Superconductivity (NKN2017) KRYNICA MORSKA, PL, 2017.10 08–13

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

Negative Longitudinal Magnetoresistance as a Sign of a Possible Chiral Magnetic Anomaly in the Half-Heusler Antiferromagnet DyPdBi.

Phys. Rev. B **99** (2019) # 125142 (7). [DOI]

202. P.Peksa, J.Trzmiel, K.Fedoruk, **A.Gągor**, M.Šimėnas, **A.Ciupa**, S.Pawlus, J.Banys, **M. Mączka**, A.Sieradzki,

Impact of the Copper-Induced Local Framework Deformation on the Mechanism of Structural Phase Transition in $[(CH_3)_2NH_2][Zn(HCOO)_3]$ Hybrid Metal–Formate Perovskite.

J. Phys. Chem. C **123** $_{38}$ (2019) 23 594–603. [DOI]

203. P.Peksa, J.Trzmiel, **M. Ptak**, M.Kostrzewa, R.Szatanik, A.Barascu, D.Enke, A.Sieradzki,

Confinement-Induced Polymorphism in Acetylsalicylic Acid – Nanoporous Glass Composites.

J. Mater. Sci. **54** $_{1}$ (2019) 404–13. [DOI]

204. **A.M. Piekarska**, **T.K. Kopeć**,

Quantum Glass of Interacting Bosons with Off-Diagonal Disorder Has a Severe Sign Problem.

Acta Phys. Polon. A **135** $_{1}$ (2019) 78–81. [DOI]
18th Natl [Polish] Conf.on Superconductivity (NKN 2017) KRYNICA MORSKA, PL, 2017.10 08–13

205. D.Pogoda, **J. Janczak**, S.Pawlak, M.Zaworotko, V.Videnova-Adrabinska,

Tautomeric Polymorphism of the Neuroactive Inhibitor Kynurenic Acid.

Acta Cryst. C **75** $_{6}$ (2019) 793–805. [DOI]

206. P.A.Prokofev, N.B.Kol'chugina, G.S.Burkhanov, A.A.Lukin, **Yu.S. Koshkid'ko**, K.Skotnicova, T.Cegan, O.Zivotsky, M.Kursa, **H. Drulis**, **A.Hackemer**†,

Multiphase Characterization of Phase Equilibria in the Tb-Rich Corner of the Co–Cu–Tb System.

J. Phase Equilib. Diffus. **40** $_{3}$ (2019) 403–12. [DOI]

207. **K. Prorok**, M.Olk, M.Skowicki, A.Kowalczyk, **A.Kotulska**, T.Lipiński, **A.Bednarkiewicz**,

Near-Infrared Excited Luminescence and *in vitro* Imaging of HeLa Cells by Using Mn^{2+} Enhanced Tb^{3+} and Yb^{3+} Cooperative Upconversion in $NaYF_4$ Nanocrystals.

Nanoscale Adv. **1** $_{9}$ (2019) 3 463–73. [DOI]

208. **M. Ptak**, I.E.Collings, K.L.Svane, A.Sieradzki, W.Paraguassu, **M. Mączka**,

Pressure-Enhanced Ferroelectric Polarisation in a Polar Perovskite-Like $[C_2H_5NH_3]Na_{0.5}Cr_{0.5}(HCOO)_3$ Metal–Organic Framework.

J. Mater. Chem. C **7** $_{28}$ (2019) 8 660–68. [DOI]

209. **M. Ptak**, B.Dziuk, **D. Stefańska**, **K. Hermanowicz**,

The Structural, Phonon and Optical Properties of $[CH_3NH_3]M_{0.5}Cr_xAl_{0.5-x}(HCOO)_3$ (M = Na, K; x = 0, 0.025, 0.5) Metal–Organic Framework Perovskites for Luminescence Thermometry.

Phys. Chem. Chem. Phys. **21** $_{15}$ (2019) 7 965–72. [DOI]

210. **M. Ptak**, B.Pilarek, **A.Watras**, P.Godlewska, I.Szczygieł, **J. Hanuza**,

Structural, Vibrational and optical Properties of Eu^{3+}-Doped Gd_3NbO_7 Niobates : The Mechanism of Their Structural Phase Transition.

J. Alloy. Compd. **810** (2019) # 151 892 (11). [DOI]

211. **M. Ptak**, K.L.Svane, A.Walsh, W.Paraguassu,

Stability and Flexibility of Heterometallic Formate Perovskites with the Dimethylammonium Cation: Pressure-Induced Phase Transitions.

Phys. Chem. Chem. Phys. **21** $_{8}$ (2019) 4 200–8. [DOI]

212. **M. Ptak**, B.Zarychta, **D. Stefańska**, **A.Ciupa**, W.Paraguassu,

Novel Bimetallic MOF Phosphors with an Imidazolium Cation: Structure, Phonons, High-Pressure Phase Transitions and Optical Response.

Dalton Trans. **48** $_{1}$ (2019) 242–52. [DOI]

213. A.Ptok, **K.Domieracki**, K.J.Kapcia, J.Łażewski, P.T.Jochym, M.Sternik, P.Piekarz, **D. Kaczorowski**,

Electronic and Lattice Properties of Noncentrosymmetric Superconductors ThTSi (T = Co, Ir, Ni, Pt).

Phys. Rev. B **100** (2019) #165130 (8). [DOI]

214. M.O.Ramirez, T.T.A.Lummen, I.Carrasco, E.Barnes, U.Aschauer, **D. Stefańska**, A.S.Gupta, C. de las Heras, H.Akamatsu, M.Holt, P.Molina, A.Barnes, R.C.Haislmaier, **P.J. Dereń**, C.Prieto, L.E.Bausá, N.A.Spaldin, V.Gopalan,

Emergent Room Temperature Polar Phase in $CaTiO_3$ Nanoparticles and Single Crystals.

APL Mater. **7**$_1$ (2019) #011103 (6). [DOI]

215. **P. Rejnhardt**, **J. Baran**, **M. Daszkiewicz**,

Phase Transition in Polar 2-Nitroanilinium Nitrate. Graph-Set Approach of Hydrogen Bonding Patterns and Analysis of Vibrational Spectra.

Spectrochim. Acta A **207** (2019) 313–20. [DOI]

216. R.V.Rodrigues, **Ł.Marciniak**, L.U.Khan, A.A.L.Marins, **R. Tomala**, E.J.B.Muri, J.R.Matos, **W. Stręk**,

Synthesis, Photoluminescence Properties and Thermal Investigation by TG-MS of $RE(DAS)_3 \cdot xH_2O$, [RE = Eu^{3+}, Tb^{3+}].

J. Rare Earths **37**$_{11}$ (2019) 1164–69. [DOI]

217. M.Różycka, I.Coronado, K.Brach, J.Olesiak-Bańska, M.Samoć, M.Zarębski, J.Dobrucki, **M. Ptak**, E.Weber, I.Polishchuk, B.Pokroy, J.Stolarski, A.Ożyhar,

Lattice Shrinkage by Incorporation of Recombinant Starmaker-Like Protein within Bioinspired Calcium Carbonate Crystals.

Chem.- Eur. J. **25**$_{55}$ (2019) 12 740–50. [DOI]

218. W.Sąsiadek, I.Bryndal, J.Lorenc, **M. Ptak**, J.Cieplik, M.Stolarczyk, T.Lis, **J. Hanuza**,

Crystal Structure, Conformation, and Vibrational Characteristics of Diethyl 4, 4′-Disulfanediyl *bis*-(6-Methyl- 2-Phenylpyrimidine- 5-Carboxylate) – A New Pharmaceutical Cure.

Arab. J. Chem. **12**$_6$ (2019) 881–96. [DOI]

219. S.Sebai, D.Zambon, **A.Watras**, **P.J. Dereń**, A.Megriche, R.Mahiou,

Synthesis and Photoluminescence of Eu^{3+} Activated Alkali Mixed (Li, Na)$Y(PO_3)_4$ under VUV–UV Excitation.

Opt. Mater. **92** (2019) 217–22. [DOI]

220. S.Sedghiniya, J.Soleimannejad, **J. Janczak**,

The Salt-Cocrystal Spectrum in Salicylic Acid – Adenine: The Influence of Crystal Structure on Proton-Transfer Balance.

Acta Cryst. C **75**$_4$ (2019) 412–21. [DOI]

221. M.Sikora, K.Marcinkowska, K.Marycz, **R.J. Wiglusz**, A.Śmieszek,

The Potential Selective Cytotoxicity of Poly (L-Lactic Acid)-Based Scaffolds Functionalized with Nanohydroxyapatite and Europium(III) Ions toward Osteosarcoma Cells.

Materials **12**$_{22}$ (2019) #3779 (22). [DOI]

222. M.Šimėnas, S.Balčiūnas, **A.Ciupa**, L.Vilčiauskas, D.Jablonskas, M.Kinka, A.Sieradzki, V.Samulionis, **M. Mączka**, J.Banys,

Elucidation of Dipolar Dynamics and the Nature of Structural Phases in the $[(CH_3)_2NH_2][Zn(HCOO)_3]$ Hybrid Perovskite Framework.

J. Mater. Chem. C **7**$_{22}$ (2019) 6 779–85. [DOI]

223. M.Šimėnas, S.Balčiūnas, A.Gonzalez-Nelson, M.Kinka, **M. Ptak**, M.A. van der Veen, **M. Mączka**, J.Banys,

Preparation and Dielectric Characterization of P(VDF–TrFE) Copolymer-Based Composites Containing Metal–Formate Frameworks.

J. Phys. Chem. C **123**$_{26}$ (2019) 16 380–87. [DOI]

224. M.Šimėnas, A.Ibenskas, A.Stroppa, **A.Gągor**, **M. Mączka**, J.Banys, E.E.Tornau,

Simulation of Structural Phase Transitions in Perovskite Methylhydrazinium Metal–Formate Frameworks: Coupled Ising and Potts Models.

J. Phys. Chem. C **123**$_{32}$ (2019) 19 912–19. [DOI]

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

Comprehensive Studies of the Transformation between Antiferromagnetic $CeCoGe_3$ and Heavy Fermion $CeFeGe_3$ Compounds.

J. Alloy. Compd. **810** (2019) # 151 850 (9). [DOI]

226. P.Skokowski, **K. Synoradzki**, M.Werwiński, A.Bajorek, G.Chełkowska, T.Toliński,

Electronic Structure of $CeCo_{1-x}Fe_xGe_3$ Studied by X-ray Photoelectron Spectroscopy and First-Principles Calculations.

J. Alloy. Compd. **787** (2019) 744–50. [DOI]

227. K.Skotnicová, P.A.Prokofev, N.B.Kolchugina, G.S.Burkhanov, A.A.Lukin, **Yu.S. Koshkid'ko**, T.Cegan, **H. Drulis**, **T. Romanova**, N.A.Dormidontov,

Application of a $Dy_3Co_{0.6}Cu_{0.4}H_x$ Addition for Controlling the Microstructure and Magnetic Properties of Sintered Nd–Fe–B Magnets.

Materials **12**$_{24}$ (2019) # 4235 (11). [DOI]

228. A.Śmieszek, K.Marycz, K.Szustakiewicz, B.Kryszak, **S. Targońska**, **K. Zawisza**, **A.Watras**, **R.J. Wiglusz**,

New Approach to Modification of Poly-(L-Lactic Acid) with Nano-Hydroxyapatite Improving Functionality of Human Adipose-Derived Stromal Cells (hASCs) through Increased Viability and Enhanced Mitochondrial Activity.

Mater. Sci. Eng. C **98** (2019) 213–26. [DOI]

229. **P. Sobierajska**, **R.J. Wiglusz**,

Influence of the Grain Sizes on Stokes and Anti-Stokes Fluorescence in the Yb^{3+} and Tb^{3+} Ions Co-doped Nanocrystalline Fluorapatite.

J. Alloy. Compd. **785** (2019) 808–18. [DOI]

230. **P. Sobierajska**, **R.J. Wiglusz**,

Influence of Li^+ Ions on the Physicochemical Properties of Nanocrystalline Calcium–Strontium Hydroxyapatite Doped with Eu^{3+} Ions.

New J. Chem. **43**$_{37}$ (2019) 14 908–16. [DOI]

231. **P. Solarz**, M.Głowacki, **R. Lisiecki**, M.Sobczyk, **J. Komar**, **B. Macalik**, **W. Ryba-Romanowski**,

Impact of Temperature on Excitation, Emission and Cross-Relaxation Processes of Terbium Ions in GGAG Single Crystal.

J. Alloy. Compd. **789** (2019) 409–15. [DOI]

232. M.Stawowy, M.Róziewicz, E.Szczepańska, J.Silvestre-Albero, **M. Zawadzki**, M.Musioł, R.Łuzny, J.Kaczmarczyk, J.Trawczyński, A.Łamacz,

The Impact of Synthesis Method on the Properties and CO_2 Sorption Capacity of UiO-66(Ce).

Catalysts **9**$_4$ (2019) # 309 (19). [DOI]

233. **M. Stefański**, **K. Grzeszkiewicz**, **M. Ptak**, **D. Hreniak**, **W. Stręk**,

Structural and Optical Characterization of $RbLaP_4O_{12}$: Ln^{3+} (Ln^{3+} = Ce^{3+}, Nd^{3+}, Tm^{3+}, or Yb^{3+}).

J. Chem. Phys. **150** (2019) # 09 4706 (11). [DOI]

234. **M. Stefański**, **M. Łukaszewicz**, **D. Hreniak**, **W. Stręk**,

Impact of the Synthesis Procedure on the Spectroscopic Properties of Anti-Stokes White Emission Obtained from Sr_2CeO_4 Phosphor.

J. Photochem. Photobiol. A **382** (2019) # 111 855 (7). [DOI]

235. A.Stronski, T.Kavetskyy, L.Revutska, I.Kaban, K.Shportko, **J. Baran**, **M. Trzebiatowska**,

Stoichiometric Deviations in Bond Distances in the Mixed As_2S_3–As_2Se_3 System: Raman Spectroscopy and EXAFS Studies.

J. Non-Cryst. Solids **521** (2019) # 119 533 (6). [DOI]

236. M.A.Strzhemechny, A.I.Krivchikov, **A.Jeżowski**,

Heat Capacity of Molecular Solids : The Special Case of Cryocrystals.

Физ. Низк. Темп. **45** 12 (2019) 1524–30.
Also in: *Low Temp. Phys.* **45** 12 (2019) 1290–95. [DOI]

237. V.V.Sumarokov, **A.Jeżowski**, **P. Stachowiak**, Yu.A.Freiman,

The Thermal Diffusivity of Molecular Cryocrystals.

Физ. Низк. Темп. **45** 3 (2019) 391–94. Also in: *Low Temp. Phys.* **45** 3 (2019) 343–46. [DOI]
12th Int.Conf.on Cryocrystals and Quantum Crystals (CC-2018) WROCLAW, PL, 2018.08 26–31

238. V.V.Sumarokov, **A.Jeżowski**, **D. Szewczyk**, M.I.Bagatski, M.S.Barabashko, A.N.Ponomarev, V.L.Kuznetsov, S.I.Moseenkov,

The Low-Temperature Specific Heat of MWCNTs.

Физ. Низк. Темп. **45** 3 (2019) 395–403. Also in: *Low Temp. Phys.* **45** 3 (2019) 347–54. [DOI]
12th Int.Conf.on Cryocrystals and Quantum Crystals (CC-2018) WROCLAW, PL, 2018.08 26–31

239. **K. Synoradzki**,

Magnetocaloric Effect in Antiferromagnetic TmNiSn Compound.

J. Magn. Magn. Mater. **482** (2019) 219–23. [DOI]

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

Effect of Secondary LuNiSn Phase on Thermoelectric Properties of Half-Heusler Alloy LuNiSb.

Mater. Today: Proc. **8** 2 (2019) 567–72. [DOI]
15th Eur.Conf.on Thermoelectrics (ECT 2017) PADUA, IT, 2017.09 25–27

241. **K. Synoradzki**, **K. Ciesielski**, I.Veremchuk, H.Borrmann, P.Skokowski, **D. Szymański**, Yu.Grin, **D. Kaczorowski**,

Thermal and Electronic Transport Properties of the Half-Heusler Phase ScNiSb.

Materials **12** 9 (2019) # 1723 (11). [DOI]

242. **K. Synoradzki**, **D. Das**, **A.Frąckowiak**, **D. Szymański**, P.Skokowski, **D. Kaczorowski**,

Study on Magnetocaloric and Thermoelectric Application Potential of Ferromagnetic Compound $CeCrGe_3$.

J. Appl. Phys. **126** (2019) # 07 5114 (6). [DOI]

243. **K. Synoradzki**, P.Nowotny, P.Skokowski, T.Toliński,

Magnetocaloric Effect in $Gd_5(Si, Ge)_4$ Based Alloys and Composites.

J. Rare Earths **37** 11 (2019) 1218–23. [DOI]

244. B.M.Szczęśniak-Sięga, Sz.Mogilski, **R.J. Wiglusz**, **J. Janczak**, J.Maniewska, W.Malinka, B.Filipek,

Synthesis and Pharmacological Evaluation of Novel Arylpiperazine Oxicams Derivatives as Potent Analgesics without Ulcerogenicity.

Bioorg. Med. Chem. **27** 8 (2019) 1619–28. [DOI]

245. P.Szklarz, **A.Gągor**, R.Jakubas, P.Zieliński, A.Piecha-Bisiorek, J.Cichos, M.Karbowiak, G.Bator, A.Ciżman,

Lead-Free Hybrid Ferroelectric Material Based on Formamidine: $[NH_2CHNH_2]_3Bi_2I_9$.

J. Mater. Chem. C **7** 10 (2019) 3 003–14. [DOI]

246. **M. Szlawska**,

Spin-Glass Freezing in Single-Crystalline Pr_2NiSi_3.

Intermetallics **115** (2019) # 106 616 (6). [DOI]

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

Nowy Międzynarodowy Układ Jednostek Miar SI. [New International System of Measuring Units SI.]

Postepy Fiz. **70** $_2$ (2019) 25–34 [in Polish].

248. **J. Sznajd**,

Magnetic Phase Transition Induced by an Electric Field in Coupled Spin Chains with Magnetoelectric Interaction.

J. Magn. Magn. Mater. **479** (2019) 254–59. [DOI]

249. K.Szustakiewicz, M.Gazińska, B.Kryszak, M.Grzymajło, J.Pigłowski, **R.J. Wiglusz**, M.Okamoto,

The Influence of Hydroxyapatite Content on Properties of Poly(L-Lactide) / Hydroxyapatite Porous Scaffolds Obtained Using Thermal Induced Phase Separation Technique.

Eur. Polym. J. **113** (2019) 313–20. [DOI]
See also Corrigendum: *ibid.*, **118** (2019) 327-only. [DOI]

250. **K. Szyszka**, **S. Targońska**, M.Gazińska, K.Szustakiewicz, **R.J. Wiglusz**,

The Comprehensive Approach to Preparation and Investigation of the Eu^{3+}-Doped Hydroxyapatite / poly(L-lactide) Nanocomposites: Promising Materials for Theranostics Application.

Nanomaterials **9** $_8$ (2019) # 1146 (16). [DOI]

251. **S. Targońska**, **K. Szyszka**, J.Rewak-Soroczyńska, **R.J. Wiglusz**,

A New Approach to Spectroscopic and Structural Studies of the Nano-Sized Silicate-Substituted Hydroxyapatite Doped with Eu^{3+} Ions.

Dalton Trans. **48** $_{23}$ (2019) 8 303–16. [DOI]

252. **А.В. Терехов**, И.В.Золочевский, Л.А.Ищенко, А.Н.Блудов, **A.Zaleski**, Е.П.Хлыбов, С.А.Лаченков,

Магнитное упорядочение и особенности его сосуществования со сверхпроводимостью в $Dy_{0.6}Y_{0.4}Rh_{3.85}Ru_{0.15}B_4$. [Magnetic Ordering and Features of Its Coexistence with Superconductivity in $Dy_{0.6}Y_{0.4}Rh_{3.85}Ru_{0.15}B_4$.]

Физ. Низк. Темп. **45** $_{12}$ (2019) 1467–72 [in Russian].
Engl. in: *Low Temp. Phys.* **45** $_{12}$ (2019) 1241–42. [DOI]

253. I.S.Tereshina, L.A.Ivanov, E.A.Tereshina-Chitrová, D.I.Gorbunov, M.A.Paukov, L.Havela, **H. Drulis**, S.A.Granovsky, M.Doerr, V.S.Gaviko, A.V.Andreev,

Tailoring the Ferrimagnetic-to-Ferromagnetic Transition Field by Interstitial and Substitutional Atoms in the *R*–Fe Compounds.

Intermetallics **112** (2019) # 106 546 (5). [DOI]

254. I.Tereshina, T.Kaminskaya, L.Ivanov, G.Politova, **H. Drulis**, D.Gorbunov, M.Paukov, E.Tereshina-Chitrová, A.Andreev,

Structural, Magnetic and Magnetocaloric Properties of $NdPrFe_{14}B$ and Its Hydrides.

J. Phys. Conf. Ser. **1389** $_1$ (2019) # 01 2094 (7). [DOI]
7th Euro-Asian Symp. "Trends in Magnetism" (EASTMAG 2019) EKATERINBURG, RU, 2019.09 08–13

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

Laser Induced Broadband White Emission of $Y_2Si_2O_7$ Nanocrystals.

J. Rare Earths **37** $_{11}$ (2019) 1296–99. [DOI]

256. **R. Tomala**, **W. Stręk**,

Emission Properties of Nd^{3+} : $Y_2Si_2O_7$ Nanocrystals under High Excitation Power Density.

Opt. Mater. **96** (2019) # 109 257 (5). [DOI]

257. **P.E. Tomaszewski**,

Comment on "Role of ytterbium on structural and magnetic properties of $NiCr_{0.1}Fe_{1.9}O_4$ co-precipitated ferrites" by Mushtaq Ahmad, Muhammad Azhar Khan, Azhar Mahmood, Shu-Sen Liu, Adeel Hussain Chughtai, Weng-Chon Cheong, Bilal Akram, Gulfam Nasar [*Ceram. Int.* 44 (2018) 5433–5439.]

Ceram. Int. **45** $_4$ (2019) 5 174–only. [DOI]

258. **P.E. Tomaszewski**,

Comment on and Complement to "Effect of calcination temperature on the degree of polymorphic transformation in Y_2SiO_5 nanopowders synthesized by sol–gel method" by Z.S. Khan *et al.* [J. Non-Cryst. Solids 432 (2016) 540–544].

J. Non-Cryst. Solids **525** (2019) # 119 682 (2). [DOI]

259. **P.E. Tomaszewski**,

Comment on "Effects of Dy concentration on luminescent properties of $SrAl_2O_4$: Eu phosphors" by D.S. Kshatri, Ayush Khare, and Piyush Jha [*Optik* 124 (2013) 2974].

Optik **178** (2019) 710–11. [DOI]

260. **P.E. Tomaszewski**,

Comment on "Structural and magnetic properties of $Ni_{0.8}M_{0.2}Fe_2O_4$ (M = Cu, Co) nano-crystalline ferrites" by K. Vijaya Babu, G. Satyanarayana, B. Sailaja, G.V. Santosh Kumar, K. Jalaiah, M. Ravi [*Results Phys.* 9 (2018) 55–62].

Results Phys. **15** (2019) # 102 597 (2). [DOI]

261. **P.E. Tomaszewski**,

Komentarz do artykułu Mariusza W. Majewskiego opublikowanego w *Studia Historiae Scientiarum* 17 (2018), pp. 89–117 [Comment on the paper by Mariusz W. Majewski published in *Studia Historiae Scientiarum* **17** (2018) 89–117.]

Stud. Hist. Sci. **18** (2019) 517–29 [in Polish]. [DOI]

262. **P.E. Tomaszewski**, **M. Miniajluk**, **M. Zawadzki**, J.Trawczyński,

X-ray Study of Structural Phase Transitions in Nanocrystalline $LaMnO_{3+\delta}$ Perovskite.

Phase Transit. **90** $_6$ (2019) 525–36. [DOI]

263. Ł.Tomków, **S. Trojanowski**, **M. Ciszek**, M.Chorowski,

Calculation of Inductances and Induced Currents in Cryogenic By-pass Line for SIS100 Particle Accelerator at FAIR.

Arch. El. Eng. **68** $_3$ (2019) 485–96. [DOI]

264. R.Tripathi, **D. Das**, P.K.Biswas, D.T.Adroja, A.D.Hillier, Z.Hossain,

Quantum Griffiths Phase Near an Antiferromagnetic Quantum Critical Point: Muon Spin Relaxation Study of $Ce(Cu_{1-x}Co_x)_2Ge_2$.

Phys. Rev. B **99** (2019) # 22 4424 (8). [DOI]

265. **R. Troć**†, **Z. Gajek**, M.Pasturel, **R. Wawryk**, **M. Samsel-Czekała**,

Magnetism and Magnetotransport of Cage-Type Compound UOs_2Al_{10} .

Intermetallics **107** (2019) 60–74. [DOI]

266. **M. Trzebiatowska**, **A.Gągor**, **L.Macalik**, P.Peksa, A.Sieradzki,

Phase Transition in the Extreme: A Cubic-to-Triclinic Symmetry Change in Dielectrically Switchable Cyanide Perovskites.

Dalton Trans. **48** $_{42}$ (2019) 15 830–40. [DOI]

267. **M. Trzebiatowska**, **M. Mączka**, **M. Ptak**, L.Giriūnas, S.Balčiūnas, M.Šimėnas, D.Klose, J.Banys,

Spectroscopic Study of Structural Phase Transition and Dynamic Effects in a $[(CH_3)_2NH_2][Cd(N_3)_3]$ Hybrid Perovskite Framework.

J. Phys. Chem. C **123** $_{18}$ (2019) 11 840–49. [DOI]

268. **M. Trzebiatowska**, **M. Ptak**,

The Mechanism of Phase Transitions in Azide Perovskites Probed by Vibrational Spectroscopy.

Spectrochim. Acta A **214** (2019) 184–91. [DOI]

269. A.M.Trzeciak, P.Wójcik, **R. Lisiecki**, **Yu.Gerasymchuk**, **W. Stręk**, J.Legendziewicz,

Palladium Nanoparticles Supported on Graphene Oxide as Catalysts for the Synthesis of Diarylketones.

Catalysts **9** $_4$ (2019) # 319 (12). [DOI]

270. M.Tuomisto, Z.Giedraityte, L.Mai, A.Devi, **V. Boiko**, **K. Grzeszkiewicz**, **D. Hreniak**, M.Karppinen, M.Lastusaari,

Up-converting ALD/MLD Thin Films with Yb^{3+}, Er^{3+} in Amorphous Organic Framework.

J. Lumin. **213** (2019) 310–15. [DOI]

271. A.Tursina, V.Chernyshev, **D. Kaczorowski**,

Crystal Structure and Low-Temperature Physical Properties of a Novel Cerium Compound $CePd_{4.6}Al_{8.4}$.

J. Alloy. Compd. **790** (2019) 447–51. [DOI]

272. А.Вахула, О.Лесюк, Є.-О.Лаба, В.Лучечко, І.Максимович, О.Мотовильський, **V.Kinzhybalo**, Р.Литвин, Ю.Горак,

Синтез похідних *N*-циклогексилімідазо[2,1-*b*] [1,3,4]тіадісол ([1,3]тіасол)- 5-амінів з арилфурановим фрагментом. [Synthesis of *N*-cyclohexyl-6-(5-aryl-2-furyl)imidazo [2,1-b][1,3,4]thiadiazol ([1,3]thiazol)-5-amine Derivatives.]

Вісн. Львів. ун-ту. Сер. хім. No. 60 $_2$ (2019) 297–301 [in Ukrainian]. [DOI]

273. Thi Hồng Quân **Vũ**, Doan Thi Tuyet, **P.J. Dereń**, Nguyen Pham Trung Hieu, Nguyen Hoang Duy,

Feasible Preparation of Red-Phosphor $K_2SiF_6 : Mn^{4+}$ Coated with SiO_2 for White Light Emitting Diodes Application.

Vietnam J. Chem. **57** $_3$ (2019) 384–88. [DOI]

274. K.Walczak, B.Gędziorowski, A.Kulka, W.Zając, M.Ziąbka, **R. Idczak**, **V.H. Tran**, J.Molenda,

Exploring the Role of Manganese on Structural, Transport, and Electrochemical Properties of NASICON- $Na_3Fe_{2-y}Mn_y(PO_4)_3$ — Cathode Materials for Na-Ion Batteries.

ACS Appl. Mater. Interf. **11** $_{46}$ (2019) 43 046–55. [DOI]

275. **A.Watras**, **M. Wujczyk**, M.Roecken, K.Kucharczyk, K.Marycz, **R.J. Wiglusz**,

Investigation of Pyrophosphates KYP_2O_7 Co-Doped with Lanthanide Ions Useful for Theranostics.

Nanomaterials **9** $_{11}$ (2019) # 1597 (17). [DOI]

276. D.Wawrzyńczyk, **B. Cichy**, J.K.Zaręba, U.Bazylińska,

On the Interaction Between Up-converting $NaYF_4 : Er^{3+}, Yb^{3+}$ Nanoparticles and Rose Bengal Molecules Constrained within the Double Core of Mulifunctional Nanocarriers.

J. Mater. Chem. C **7** $_{47}$ (2019) 15 021–34. [DOI]

277. K.Winiarska, **R. Klimkiewicz**, W.Tylus, A.Sobianowska-Turek, J.Winiarski, B.Szczygieł, I.Szczygieł,

Study of the Catalytic Activity and Surface Properties of Manganese–Zinc Ferrite Prepared from Used Batteries.

J. Chem. **2019** (2019) # 5 430 904 (14). [DOI]

278. **M.J. Winiarski**, K.Bilińska,

High Thermoelectric Power Factors of p-Type Half-Heusler Alloys YNiSb, LuNiSb, YPdSb, and LuPdSb.

Intermetallics **108** (2019) 55–60. [DOI]

279. **M.J. Winiarski**, **D. Kowalska**,

Electronic Structure of *RE*N (*RE* = Sc, Y, La, and Lu) Semiconductors by MBJ LDA **Calculations.**

Mater. Res. Express **6** (2019) # 09 5910 (9). [DOI]

280. **M.J. Winiarski, P.J. Dereń,**

Electronic Structure of $A_2B'B''O_6$-Type (A = Ca, Sr, Ba; B' = Mg, Zn; B'' = Mo, W) Double Perovskite Oxides.

Opt. Mater. **90** (2019) 95–98. [DOI]

281. A.Wojciechowska, **J. Janczak**, T.Rojek, A.Gorzsas, M.Malik-Gajewska, M.Duczmal,

Isothiocyanate Controlled Architecture, Spectroscopic, and Magnetic Behavior of Copper(II) L-Arginine Complexes.

J. Coordin. Chem. **72** $_8$ (2019) 1358–77. [DOI]

282. A.Wojciechowska, **J. Janczak**, W.Zierkiewicz, P.Rytlewski, T.Rojek, M.Duczmal,

Copper(II) Complex with L-Arginine – Crystal Structure, DFT Calculations, Spectroscopic, Thermal and Magnetic Properties.

Mater. Chem. Phys. **228** (2019) 272–84. [DOI]

283. M.Wojtaś, **V. Kinzhybalo**, I.Bdikin, A.L.Kholkin,

Crystal Structure and Strong Piezoelectricity of New Amino Acid Based Hybrid Crystals: [H-β-(3-Pyridyl)-Ala-OH][ClO_4] and [H-β-(4-Pyridyl)-Ala-OH][ClO_4].

Cryst. Growth Des. **19** $_5$ (2019) 2 583–93. [DOI]

284. **I. Wolańska, K. Synoradzki, K. Ciesielski**, K.Załęski, P.Skokowski, **D. Kaczorowski,**

Enhanced Thermoelectric Power Factor of Half-Heusler Solid Solution $Sc_{1-x}Tm_xNiSb$ Prepared by High-Pressure High-Temperature Sintering Method.

Mater. Chem. Phys. **227** (2019) 29–35. [DOI]

285. Ł.Wołoszyn, M.M.Ilczyszyn, **V. Kinzhybalo**,

The Dehydration Process in the DL-PhenylÂŋglycinium TriÂŋfluoroÂŋmethaneÂŋsulfonate Monohydrate Crystal Revealed by XRD, Vibrational and DSC Studies.

Acta Cryst. C **75** $_{12}$ (2019) 1569–79. [DOI]

286. A.Wolska, J.Kiryk, J.Rogula, M.Sulewski, **A.Han**, **R.J.Wiglusz**, M.Dobrzyński,

Kliniczno-terapeutyczne aspekty próchnicy korzenia z uwzględnieniem lasera Er:YAG i ozonoterapii. [Clinical and Therapeutic Aspects of Root Caries Including the Er:YAG Laser and Ozone Therapy.]

Inż. Fizyk Med. **8** $_2$ (2019) 153–56 [in Polish].

287. M.Wróbel-Kwiatkowska, M.Kropiwnicki, J.Żebrowski, A.Beopoulos, L.Dymińska, **J. Hanuza**, W.Rymowicz,

Effect of mcl-PHA Synthesis in Flax on Plant Mechanical Properties and Cell Wall Composition.

Transgen. Res. **28** $_1$ (2019) 77–90. [DOI]

288. A.I.Yanchak, Yu.I.Slyvka, **V.V. Kinzhybalo**, **T.J. Bednarchuk**, M.G.Mys'kiv,

The First Copper(I) Halide π-Complexes with Allyl Derivatives of Urea and Parabanic Acid.

Вопр. Хим. Хим. Технол. Nr 3 (2018) 64–73. [DOI]

289. Q.Yao, **D. Kaczorowski**, **P. Swatek**, **D. Gnida**, C.H.P.Wen, X.H.Niu, R.Peng, H.C.Xu, P.Dudin, S.Kirchner, Q.Y.Chen, D.W.Shen, D.L.Feng,

Electronic Structure and 4f-Electron Character in Ce_2PdIn_8 Studied by Angle-Resolved Photoemission Spectroscopy.

Phys. Rev. B **99** (2019) # 08 1107 R (5). [DOI]

290. A.Zając, L.Dymińska, J.Lorenc, S.M.Kaczmarek, G.Leniec, **M. Ptak**, **J. Hanuza**,

Spectroscopic Properties and Molecular Structure of Copper Phytate Complexes: IR, Raman, UV-Vis, EPR Studies and DFT Calculations.

J. Biol. Inorg. Chem. **24** $_1$ (2018) 11–20. [DOI]

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

Three-Photon Absorption of Coordination Polymer Transforms UV-to-VIS Thermometry into NIR-to-VIS Thermometry.

ACS Appl. Mater. Interf. **11** $_{11}$ (2019) 10 435–41. [DOI]

292. E.Zdanowicz, P.Ciechanowicz, K.Opolczynska, **D. Majchrzak**, J.-G.Rousset, **E. Piskorska-Hommel**, M.Grodzicki, K.Komorowska, J.Serafinczuk, D.Hommel, R.Kudrawiec,

As-Related Stability of the Band Gap Temperature Dependence in N-Rich GaNAs.

Appl. Phys. Lett. **115** (2019) # 09 2106 (5). [DOI]

293. L.Zur, Lam Thi Ngoc Tran, D.Massella, A.Vaccari, A.Chiappini, A.Chiasera, S.Varas, C.Armellini, A.Carpentiero, B.Boulard, D.Dorosz, S.Pelli, C.Trono, S.Berneschi, G.N.Conti, J.Gates, P.-J. Sazio, B.Rossi, E.Iacob, V.Micheli, G.Speranza, G.Ischia, F.Prudenzano, **A.Łukowiak**, D.Zonta, R.Ramponi, G.C.Righini, M.Ferrari,

SiO_2–SnO_2 Transparent Glass-Ceramics Activated by Rare Earth Ions.

Proc. SPIE **10 914** (2019) # 10 914 11 (9+P). [DOI]

SPIE OPTO 2019: Optical Components and Materials XVI, SAN FRANCISCO, CA, US, 2019.02 02–07

294. M.Zybert, M.Wyszyńska, A.Tarka, W.Patkowski, H.Ronduda, B.Mierzwa, **L.Kępiński**, A.Sarnecki, D.Moszyński, W.Raróg-Pilecka,

Surface Enrichment Phenomenon in the Ba-Doped Cobalt Catalyst for Ammonia Synthesis.

Vacuum **168** (2019) # 108 831 (13). [DOI]

PUBLIKACJE W MATERIAŁACH KONFERENCYJNYCH
Publications in Conference Materials

295. W.Blanc, M.Vermillac, L.Petit, **A.Łukowiak**, Z.Lu, F.Mady, M.Benabdesselam, S.Chaussedent, A.Mehdi, M.Ferrari,

Nanoparticles in Optical Waveguides: A Toolbox to Promote Lasers, Amplifiers and Sensors.

In: *International Conference on Transparent Optical Networks,* Volume 2019 (Piscataway, NJ: IEEE 2019)

88402 08 [DOI] ISBN: 978-1-728-12779-8

21st Int.Conf.on Transparent Optical Networks (ICTON 2019) ANGERS, FR, 2019.07 09–13

296. A.Chiasera, C.Meroni, F.Scotognella, Y.Boucher, **A.Łukowiak**, D.Ristic, G.Speranza, S.Varas, L.Zur, M.Ivanda, S.Taccheo, L.T.N.Tran, D.Zonta, R.Ramponi, G.C.Righini, M.Ferrari,

RF-Sputtering Technique for Fabrication of Dielectric Multilayer Structures with Low-Threshold Coherent Emission at 1.5 µm.

In: *2019 Conference on Lasers and Electro-Optics Europe and European Quantum Electronics Conference,* (Piscataway, NJ: IEEE 2019)

88718 16 [DOI] ISBN: 978-1-728-10469-0

2019 Conf.on Lasers & Electro-Optics Europe and European Quantum Electronics Conf. (CLEOEurope-EQEC 2019) MUNICH, DE, 2019.06 23–27

297. S.A.Khakhomov, V.E.Gaishun, D.L.Kovalenko, A.V.Semchenko, V.V.Sidsky, **W. Stręk**, **D. Hreniak**, **A.Łukowiak**, N.S.Kovalchuk, A.N.Pyatlitski, V.A.Solodukha, D.V.Karpinsky,

Synthesis of $BiFeO_3$-Powders by Sol–Gel Process.

In: *INTER-ACADEMIA 2018: Recent Advances in Technology Research and Education,* Lecture Notes in Networks and Systems [LNNS, vol. 53] Ed. by G. Laukaitis (Cham: Springer 2019) Ch. 1, pp. 43–48 [DOI] ISBN: 978-3-319-99833-6 (electronic)

17th Int.Conf.on Global Research and Education KAUNAS, LT, 2018.09 24–27

298. V.P.Menushenkov, A.G.Savchenko, V.L.Stolyarov, M.V.Zheleznyi, N.B.Kol'chugina, N.A.Dormidontov, K.Skotnicová, **Yu.S. Koshkid'ko**, **J. Ćwik**,

Simulation of Magnetization Reversal and Hysteretic Loops of $(Nd, Pr)_2Fe_{14}B$ Magnets at Low Temperatures.

In: *METAL 2019 – 28th International Conference on Metallurgy and Materials* (Ostrava: TANGER 2019) p.: 1621–27. [DOI] ISBN: 978-80-87294-92-5

28th Int.Conf.on Metallurgy & Materials (METAL-2019) BRNO, CZ, 2019.05 22–24

299. P.A.Prokofev, N.B.Kol'chugina, G.S.Burkhanov, A.A.Lukin, **Yu.S. Koshkid'ko**, K.Skotnicová, T.Cegan, **H. Drulis**, **T. Romanova**, N.A.Dormidontov,

Optimizing the Microstructure of Low-REM $Nd-Fe-B$ Sintered Magnet Using $Dy_3Co_{0.6}Cu_{0.4}HX$ Addition.

In: *METAL 2019 – 28th International Conference on Metallurgy and Materials* (Ostrava: TANGER 2019) p.: 1663–70. [DOI] ISBN: 978-80-87294-92-5

28th Int.Conf.on Metallurgy & Materials (METAL-2019) BRNO, CZ, 2019.05 22–24

300. L.T. Ngoc Tran, D.Massella, R.Balda, S.Berneschi, W.Blanc, B.Boulard, A.Chiappini, A.Chiasera, P.Dentella, S.Eaton, J.Fernandez, M.Ferrari, J.Gates, **P. Głuchowski**, G.Ischia, **A.Łukowiak**, G.N.Conti, F.Prudenzano, B.Rossi, G.C.Righini, D.Zonta, L.Zur,

SiO_2–SnO_2 Photonic Glass-Ceramics.

In: *International Conference on Transparent Optical Networks,* Volume 2019 (Piscataway, NJ: IEEE 2019)

88400 12 (?p.) [DOI] ISBN: 978-1-728-12779-8

21st Int.Conf.on Transparent Optical Networks (ICTON 2019) ANGERS, FR, 2019.07 09–13

LISTA PREZENTACJI KONFERENCYJNYCH
LIST OF CONFERENCE PRESENTATIONS

1. **V.Apinyan**,

   High Energy Shift in the Optical Conductivity Spectrum of the Bilayer Graphene. (I)

   7^{th} Int.Symp.on Optics and Its Applications 2019 (OPTICS-2019) Yerevan, AM, 2019.09 20–24

2. **V.Apinyan**,

   Ultraviolet Absorption Spectrum of the Half-Filled Bilayer Graphene. (L)

   Int.Young Scist Sch.& Worksh on Advanced Nanomaterials & Methods (AMAN2019) Yerevan, AM, 2019.09 25 –.10 02

3. **M. Babij**, **L.M. Tran**, **Z. Bukowski**,

   $EuFeAs_2$ a 112-Type Iron-Pnictide: Novel Family of Magnetic Superconductors. (I)

   Materials Research Meet. 2019, Yokohama, JP, 2019.12 10–14

4. M.S.Barabashko, M.I.Bagatskii, **D. Szewczyk**, V.V.Sumarokov, **A.Jeżowski**, V.L.Kuznetsov, S.I.Moseenkov, A.N.Ponomarev,

   The Influence of Oxidation and Milling on the Heat Capacity of MWCNTs. (P)

   Int.Adv.Sch.on Low & Ultra-Low Temperature Physics, etc. *(Cryocourse2019)* Zemplínska šírava & Košice, SK, 2019.09 08–19

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

   Metastable Crystalline Phases in Hydrogen-Bonded Molecular 2-Benzylphenol. (P)

   15th Int.Conf.on Molecular Spectroscopy (ICMS2019) Wojanów, PL, 2019.09 15–19

6. **T.J. Bednarchuk**,

   Struktura krystaliczna nowych organicznych soli kwasów karboksylowych. [Crystal Structure of New Organic Salts of Carboxylic Acids.] (P)

   LXI Konvers. Krystalograficzne [61st Polish Crystallographic Meet.] Wrocław, PL, 2019.06 26–28

7. A.Błachowski, K.Komędera, J.Gatlik, J.Żukrowski, **Z. Bukowski**,

   Magnetyzm i nadprzewodnictwo w związkach na bazie $EuFe_2As_2$: badania metodą spektroskopii Mössbauera. [???.] (C)

   45. Zjazd Fizyków Polskich [45^{th} Gener.Meet.of Polish Physicists] Cracow, PL, 2019.09 13–18

8. **V. Boiko**, L.Dolgov, **A.Łukowiak**, V.Kiisk, I.Sildos, G.Dovbeshko,

   Influence of Confined Interglobular Volume of Photonic Crystal on the Luminescence of DNA. (P)

   15th Int.Conf.on Molecular Spectroscopy (ICMS2019) Wojanów, PL, 2019.09 15–19

9. **V. Boiko**, **M. Markowska**, L.Consentino, M.L.Saladino, **D. Hreniak**,

   Effect of Dopant Concentration on the Optical Properties of YAGG : Ce^{3+}, Cr^{3+}, Nd^{3+} Nanocrystals Obtained by the Co-precipitation Method. (P)

   12th Int.Conf.on Excited States of Transitions Elements (ESTE2019) Kudowa Zdrój, PL, 2019.09 08–13

10. **B. Bondzior**, **D. Stefańska**, **P.J. Dereń**,

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    12th Int.Conf.on Excited States of Transitions Elements (ESTE2019) Kudowa Zdrój, PL, 2019.09 08–13

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

    Spectroscopic Characterization of Silica–Calcia Nanoparticles Doped with Pharmacologically Active Substances. (P)

    15th Int.Conf.on Molecular Spectroscopy (ICMS2019) Wojanów, PL, 2019.09 15–19

12. B.Borak, I.Jakóbowska, J.Gąsiorek, J.Krzak, **M. Ptak**, **A.Łukowiak**,
Influence of Phosphorus Content on Bioactivity of SiO_2–CaO–P_2O_5 Nanoparticles. (C)
Int.Conf.on Phosphorous, Boron and Silicon (PBSi 2019) Rome, IT, 2019.12 02–04

13. I.Bryndal, **J. Hanuza**, P.Godlewska, **R. Lisiecki**, **J. Janczak**, J.Lorenc, J.Cieplik,
Structure and Optical Properties of 3-Bromo-4-methylthio-2,6-lutidine *N*-Oxide and Its Europium(III) **and Terbium**(III) **Complexes.** (P)
LXI Konvers. Krystalograficzne [61st Polish Crystallographic Meet.] Wrocław, PL, 2019.06 26âĂŞ28

14. **Z. Bukowski**,
Magnetic Structures and Superconductivity in Iron-Based Superconductors Containing Europium. (I)
XIX Kraj.Konf. Nadprzewodnictwa [19th Natl (Polish) Conf.on Superconductivity] (KNN 2019) Bronisławów (Piotrków Tr.), PL, 2019.10 06–11

15. T.Cetner, A.Morawski, W.Häßler, M.Vignolo, G.Bovone, M.Capra, **D. Gajda**, **A.J. Zaleski**, G.Gajda, K.Filar, R.Diduszko, P.Przysłupski,
Improved Electrical Properties in Fe-Based and MgB_2 Superconductors Due to High-Pressure Synthesis and Sintering. Perspectives for Large Scale High-Pressure Wire Production. (P)
XIX Kraj.Konf. Nadprzewodnictwa [19th Natl (Polish) Conf.on Superconductivity] (KNN 2019) Bronisławów (Piotrków Tr.), PL, 2019.10 06–11

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12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

17. **M. Chaika**, O.Vovk, G.Mancardic, R.Yavetskiy, **R. Tomala**, **W. Stręk**,
Dynamics of Yb^{2+} to Yb^{3+} Ion Valence Transformations in Yb : YAG Ceramics. (P)
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18. **G. Chajewski**, **P. Wiśniewski**, **A.P. Pikul**, **D. Kaczorowski**,
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19. **ZhengFa Dai**, **V. Boiko**, **D. Hreniak**,
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20. **ZhengFa Dai**, **V. Boiko**, **M. Markowska**, **D. Hreniak**,
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12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

21. **ZhengFa Dai**, **V. Boiko**, M.L.Saladino, J.Li, **D. Hreniak**,
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22. **ZhengFa Dai**, **M. Markowska**, **V. Boiko**, J.Li, **D. Hreniak**,
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24. **D. Das**, **D. Gnida**, **P. Wiśniewski**, **D. Kaczorowski**,
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25. **D. Das**, K.Górnicka, **K. Wochowski**, S.Gołąb, B.Więdlocha, T.Klimczuk, **D. Kaczorowski**,
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15th Laser Ceramic Symp. (LCS 2019) Zakopane, PL, 2019.09 13–15

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12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

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31. E.T.Dil'mieva, **Yu.S. Koshkid'ko**, V.V.Koledov, **J. Ćwik**, V.V.Khovaylo, V.V.Marchenkov, V.G.Shavrov,
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7th Euro-Asian Symp.on Trends in MAGnetism (EASTMAG-2019) Ekaterinburg, RU, 2019.09 08–13

32. K.Dimitri, M.M.Hosen, G.Dhakal, H.Choi, F.Kabir, C.Sims, **D. Kaczorowski**, T.Durakiewicz, J.-X.Zhou, M.Neupane,
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43. **A.Gerus**, **V. Boiko**, **D. Hreniak**, M.L.Saladino,

Influence of Grain Size on Persistent Luminescence of ZGO : Cr^{3+} Synthesized in Different Conditions. (P)

15^{th} Laser Ceramic Symp. (LCS 2019) Zakopane, PL, 2019.09 13–15

44. **P. Głuchowski**, M.Latsusaari, A.Patej, K.Rajfur, **S. Veltri**, **R. Tomala**, **W. Stręk**,

Changes in the Conventional and Persistent Luminescence Induced by Sintering Pressure in Garnet and Aluminate Ceramics. (I)

7th Int.Worksh.on Nanotechnology & Application (IWNA 2019) Phan Thiet, VN, 2019.11 06–09

45. **P. Głuchowski**, A.Patej, K.Rajfur, **S. Veltri**, **R. Tomala**, M.Lastusaari, **W. Stręk**,

Convention and Persistent Luminescence Properties of the Aluminate and Garnet Nanoceramics. (C)

15^{th} Laser Ceramic Symp. (LCS 2019) Zakopane, PL, 2019.09 13–15

46. **P. Głuchowski**, **S. Veltri**, K.Rajfur, A.Patej,

$Gd_3Ga_3Al_2O_{12}$ (GGAG) as New Matrix for Persistent Luminescence Phosphors. (P)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

47. **D. Gnida**, **D. Das**, **D. Kaczorowski**,

Hall Effect in Heavy-Fermion Antiferromagnetic Superconductor Ce_3PtIn_{11}. (P)

XIX Kraj.Konf. Nadprzewodnictwa [19th Natl (Polish) Conf.on Superconductivity] (KNN 2019) Bronisławów (Piotrków Tr.), PL, 2019.10 06–11

48. **D. Gnida**, **D. Das**, **D. Kaczorowski**,

Normal-State Hall Effect in Heavy-Fermion Antiferromagnetic Superconductor Ce_3PtIn_{11}. (P)

[20th] Int.Conf.on Strongly Correlated Electron Systems (SCES'19) Okayama, JP, 2019.09 23–28

49. **D. Gnida**, **M. Szlawska**, **P. Wiśniewski**, **D. Kaczorowski**,

Anisotropic Low-Temperature Thermodynamic and Magnetotransport Properties of Single Crystalline $UCoSi_2$. (C)

49èmes Journées des Actinides (JdA 49) Erice (Sicily), IT, 2019.04 14–18

50. D.I.Gorbunov, T.Nomura, A.A.Zvyagin, M.S.Henriques, A.V.Andreev, Y.Skourski, G.A.Zvyagina, **R. Troć†**, S.Zherlitsyn, J.Wosnitza,

Magnetoelastic Coupling across the Field-Induced Transition of Uranium Mononitride. (C)

7th Euro-Asian Symp.on Trends in Magnetism (EASTMAG-2019) Ekaterinburg, RU, 2019.09 08–13

51. **P. Górniak**, **L.M. Tran**, **M. Babij**,

Synteza i właściwości nadprzewodnika GdFeAsO domieszkowanego Co. [Synthesis and Properties of Co-Doped GdFeAsO Superconductor.] (P)

61. Konvers. Krystalograficzne [61st Polish Crystallographic Meet.] Wrocław, PL, 2019.06 26âĂŞ28

52. **K. Grzeszkiewicz**, G.Lucchini, L.C.V.Rodrigues, P.Cortelletti, M.-L.Saladino, A.Speghini, **D. Hreniak**,

Multifunctional Spectral Conversion by Pr^{3+} and Yb^{3+} Activated SrF_2 Nanoparticles. (C)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

53. **K. Hałubek-Głuchowska**, **A.Łukowiak**,

Upconversion Luminescence of Yb^{3+}/ Tm^{3+} Ions in $SiO_2 - CaO$ Glass. (P)

15th Int.Conf.on Molecular Spectroscopy (ICMS 2019) Wojanów, PL, 2019.09 15–19

54. A.Hilczer, **K. Pasińska**, E.Markiewicz, Z.Trybuła, **A.Pietraszko**,

Effect of Doping on Dielectric Properties of M-Type Hexaferrites. (P)

LXI Konvers. Krystalograficzne [61st Polish Crystallographic Meet.] Wrocław, PL, 2019.06 26âĂŞ28

55. M.M.Hosen, G.Dhakal, B.Wang, K.Dimitri, F.Kabir, C.Sims, S.Regmi, Y.Liu, T.Durakiewicz, **D. Kaczorowski**, A.Bansil, M.Neupane,

Observation of Topological Nodal-Loop Fermionic State in $CaAs_3$ Family. (C)

APS March Meet. Boston, MA, US, 2019.03 04–03

56. **D. Hreniak**,

Synthesis and Optical Properties of Near-Infrared Persistent Nanophosphors and Ceramics. (I)

7th Int.Worksh.on Nanotechnology & Application (IWNA 2019) Phan Thiet, VN, 06-09 November 2019.11 06–09

57. K.Ishihara, T.Takenaka, T.Miao, Y.Mizukami, **O. Pavlosiuk**, **P. Wiśniewski**, **D. Kaczorowski**, T.Shibauchi,

Low-Energy Quasiparticle Excitations in Half-Heusler Superconductors with $J = 3/2$ Fermions. (C)

APS March Meet. Boston, MA, US, 2019.03 04–03

58. M.Ivanov, K.Demidova, A.Murzakaev, U.Kynast, M.Lezhnina, **R. Tomala**, H.Kou, J.Li,

Size-Dependent Phase Transformation and Luminescence of Eu^{3+} : Y_2O_3 Nanoparticles Made by Laser Synthesis. (P)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

59. I.Jakóbowska, J.Gąsiorek, **R. Wawrzaszek**, **A.Hojeńska**, **W. Stręk**, B.Borak, **A.Łukowiak**,

Luminescence and Bioactivity of Silica-Based Nanoglasses Activated with Eu^{3+} or Dy^{3+} Ions. (P)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

60. **J. Janczak**,

Water-Involved Hydrogen Bonds in Dimeric Supramolecular Structures of Magnesium and Zinc Phthalocyaninato Complexes. (P)

LXI Konvers. Krystalograficzne [61st Polish Crystallographic Meet.] Wrocław, PL, 2019.06 26âĂŞ28

61. F.Kabir, M.M.Hosen, F.Cheenicode-Kabeer, A.Aperis, X.Ding, G.Dhakal, K.Dimitri, C.Sims, S.Regmi, L.Persaud, K.Gofryk, P.M.Oppeneer, **D. Kaczorowski**, M.Neupane,

Observation of Multiple Dirac States in $EuMg_2Bi_2$. (C)

APS March Meet. Boston, MA, US, 2019.03 04–03

62. **D. Kaczorowski**,

Single Crystal Growth and Electronic Transport Properties of Topological Semimetals. (I)

3rd German–Polish Conf.on Crystal Growth, Poznań, PL, 2019.03 17–21

63. **D. Kaczorowski**,

Topological Semimetals. (I)

LIV Zakopane Sch.of Phys – Breaking Frontiers: Submicron Structures in Physics & Biology, Zakopane, PL, 2019.05 21–25

64. **D. Kaczorowski**,

W przededniu rewolucji topotronicznej. [???.] (I)

45. Zjazd Fizyków Polskich [45th Gener.Meet.of Polish Physicists] Cracow, PL, 2019.09 13-18

65. **D. Kaczorowski**,

Coexistence of Valence Fluctuations and Long-Range Magnetic Ordering in Ce_2RuGe. (C)

[20th] Int.Conf.on Strongly Correlated Electron Systems (SCES'19) Okayama, JP, 2019.09 23–28

66. A.P.Kamantsev, E.T.Dil'meva, A.V.Mashirov, M.A.Paukov, **Yu.S. Koshkid'ko**, I.I.Musabirov, V.V.Sokolovskiy, M.A.Zagrebin,

Functional Properties of Alloys with Inverse Heusler Structure Mn_2NiZ (Z = Ga, Sn, Sb). (P)

7th Euro-Asian Symp.on Trends in MAGnetism (EASTMAG-2019) Ekaterinburg, RU, 2019.09 08–13

67. D.Karpinsky, **A.Łukowiak**, M.Silibin, S.Latushka, D.Zhaludkevich, A.Morozovska,

Structure and Magnetic Properties of $BiFeO_3$ Based Composites. (C)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

68. K.Komędera, J.Gatlik, A.Błachowski, J.Żukrowski, **Z. Bukowski**,

Mössbauer Study of YFe_2Ge_2. (P)

XIX Kraj.Konf. Nadprzewodnictwa [19th Natl (Polish) Conf.on Superconductivity] (KNN 2019) Bronisławów (Piotrków Tr.), PL, 2019.10 06–11

69. K.Komędera, J.Gatlik, A.Błachowski, J.Żukrowski, D.Rybicki, **M. Babij**, **Z. Bukowski**,

Why Is $Eu(Fe_{1-x}Ni_x)_2As_2$ not a Superconductor? – ^{57}Fe and ^{151}Eu Mössbauer Study. (P)

XIX Kraj.Konf. Nadprzewodnictwa [19th Natl (Polish) Conf.on Superconductivity] (KNN 2019) Bronisławów (Piotrków Tr.), PL, 2019.10 06–11

70. K.Komędera, J.Gatlik, A.Błachowski, J.Żukrowski, T.J.Sato, **M. Babij**, **Z. Bukowski**,

Interplay of Magnetism, Nematicity and Superconductivity in '122' Iron-Pnictides Studied by Mössbauer Spectroscopy. (C)

XIX Kraj.Konf. Nadprzewodnictwa [19th Natl (Polish) Conf.on Superconductivity] (KNN 2019) Bronisławów (Piotrków Tr.), PL, 2019.10 06–11

71. **T. Kopeć**,

Excitonic Pairing in Twisted Bilayer Graphene. (P)

Int.Semin,& Worksh. on Quantum Criticality & Topology in Correlated Electron Systems (QCT-CES) Dresden, DE, 2019.07 05–16

72. **T. Kopeć**, **A.Piekarska**,

Quantum Glass of Interacting Bosons with off-Diagonal Disorder. (C)

15th Int.Sch.of Statistical Physics: New Trends in Nonequilibrium Statistical ... (NESMCQ'18) Erice (Sicily), IT, 2019.07 25–31

73. **Yu.S. Koshkid'ko**, **J. Ćwik**, I.Dubenko, A.B.Granovsky, E.T.Dil'mieva, A.P.Kamantsev, A.V.Mashirov, V.V.Koledov, V.G.Shavrov, V.V.Marchenkov, E.B.Marchenkova,

Magnetocaloric Effect of Ferromagnetic Heusler Alloys in High Magnetic Fields. (I)

7th Euro-Asian Symp.on Trends in MAGnetism (EASTMAG-2019) Ekaterinburg, RU, 2019.09 08–13

74. D.L.Kovalenko, A.V.Semchenko, V.E.Gaishun, V.V.Sidsky, V.V.Vaskevich, O.I.Tyelenkova, **A.Gerus**, **M. Markowska**, **D. Hreniak**, **W. Stręk**, M.L.Saladino,

Properties of Silica Layers Embedded with $ZnGa_2O_4 : Cr^{3+}, Yb^{3+}$ Nanocrystals. (P)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

75. **D. Kowalska**, **E. Piskorska-Hommel**, **M. Kurnatowska**,

Local Structure *in situ* Investigation of Doped Ceria Oxides under Reduction and Oxidation Conditions. (P)

LXI Konvers. Krystalograficzne [61st Polish Crystallographic Meet.] Wrocław, PL, 2019.06 26âĂŞ28

76. **D. Kowalska**, **E. Piskorska-Hommel**, **M. Wołcyrz**,

EXAFS Confirmation of Modal Disorder in the Structure of $RbNbWO_6$. (P)

LXI Konvers. Krystalograficzne [61st Polish Crystallographic Meet.] Wrocław, PL, 2019.06 26âĂŞ28

77. **J. Krawczyk**, **R. Lemański**,

Przewodnictwo elektryczne w modelu Falicova–Kimballa. [Electrical Conductivity in the Falicov–Kimball Model.] (C)

XXIV Minisymp. Fizyki Statystycznej [24th Mini-Symp.on Statistical Physics] Zielona Góra, PL, 2019.12 16

78. A.K.Kunti, **ZhengFa Dai**, **V. Boiko**, H.C.Swart, **D. Hreniak**, J. Hölsä,

On the Persistent Luminescence of Cr^{3+} Doped $Y_3Al_2Ga_3O_{12}$. (I)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

79. A.K.Kunti, **N. Miniajluk**, **D. Stefańska**, H.C.Swart, **P.J. Dereń**, J. Hölsä,

To Be or not to Be – Persistent Emission of $Ba_2MgWO_6 : Eu^{3+}$. (P)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

80. R.Kurleto, M.Fidrysiak, L.Nicolaï, A.Kądzielawa, **D. Gnida**, M.Rosmus, Ł.Walczak, A.Tejeda, D.Legut, **D. Kaczorowski**, J.Minar, J.Spałek, P.Starowicz,

Hybridization Effects in $CeCoIn_5$ Studied by ARPES, DFT, and TBA Calculations. (I)

XIX Kraj.Konf. Nadprzewodnictwa [19th Natl (Polish) Conf.on Superconductivity] (KNN 2019) Bronisławów (Piotrków Tr.), PL, 2019.10 06–11

81. R.Kurleto, M.Rosmus, A.Tejeda, Ł.Walczak, **D. Gnida**, **D. Kaczorowski**, L.Nicolaï, J.Minar, P.Starowicz,

The Interplay between Two Kondo Scales in the Ce_3PdIn_{11} Heavy Fermion System Studied by Angle Resolved Photoelectron Spectroscopy. (L)

XIX Kraj.Konf. Nadprzewodnictwa [19th Natl (Polish) Conf.on Superconductivity] (KNN 2019) Bronisławów (Piotrków Tr.), PL, 2019.10 06–11

82. **R. Lemański, J. Matysiak,**

Oddziaływania magnetyczne na podstawie multiorbitalnego modelu Hubbarda. [Magnetic Interactions Based on the Multiorbital Hubbard Model]. (I)

XXIV Minisymp. Fizyki Statystycznej [24th Mini-Symp.on Statistical Physics] Zielona Góra, PL, 2019.12 16

83. **K. Lemański**, D.Sztolberg, B.Brzostowski, A.Drzewiecki, **D. Stefańska, P.J. Dereń,**

Spectroscopic Properties of $LaAlO_3$ Polycrystals Doped with Vanadium Ions. (C)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

84. **K. Lenczewska, V. Boiko, K. Ledwa, D. Hreniak,**

Energy Transfer Study in $GdVO_4 : Bi^{3+}, Yb^{3+}$ Obtained by Microwave-Assisted Hydrothermal Method. (C)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

85. **K. Lenczewska, D. Hreniak,**

Impact of Crystallite Size on Structural and Optical Properties of $BiVO_4 : Tm^{3+}$ Phosphor. (P)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

86. **A.Łukowiak, Yu.Gerasymchuk, L.TaherShamsi, K. Hałubek-Głuchowska, A.Wędzyńska, W. Stręk**, D.Piątek, A.Kędziora, G.Bugla-Płoskońska, B.Borak, J.Krzak,

Bioactive Nanoglasses and Graphene-Based Nanocomposites for Medical Applications. (I)

7th Int.Worksh.on Nanotechnology & Application (IWNA 2019) Phan Thiet, VN, 2019.11 06–09

87. **A.Łukowiak, K. Hałubek-Głuchowska, R. Wawrzaszek**, I.Jakóbowska, J.Gąsiorek, J.Krzak, B.Borak,

Sol–Gel-Derived Luminescent Bioactive Glasses. (C)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

88. **Th.L.Mai, V.H. Tran,**

Magnetic State and Electronic Properties of $Sr_4V_2O_6Fe_2As_2$ Studied by DFT Calculations. (C)

XIX Kraj.Konf. Nadprzewodnictwa [19th Natl (Polish) Conf.on Superconductivity] (KNN 2019) Bronisławów (Piotrków Tr.), PL, 2019.10 06–11

89. **Th.L.Mai, V.H. Tran,**

DFT Investigations of Magnetic States and Electronic Properties of $Sr_4V_2O_6Fe_2As_2$. (C)

4th Worksh.of Vietnamese Students in Poland, Warsaw, PL, 2019.12 07–08

90. **M. Markowska, V. Boiko, D. Hreniak**, M.L.Saladino, L.Consentino, V.Gaishun, D.Kovalenko, A.Semchenko,

YAGG : $Ce^{3+}, Cr^{3+}, Nd^{3+}$ Persistent Nanophosphors Based Sol–Gel Composites for Solar Concentrators. (P)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

91. **M. Matusiak, K. Rogacki, M. Babij**, Th.Wolf,

Thermoelectric Signature of the Nematic Phase in Hole-Doped Iron-Based Superconductor. (P)

[20th] Int.Conf.on Strongly Correlated Electron Systems (SCES'19) Okayama, JP, 2019.09 23–28

92. **M. Matusiak, K. Rogacki, M. Babij**, Th.Wolf,

Thermoelectric Signature of the Nematic Phase in Iron-Based Superconductors. (I)

XIX Kraj.Konf. Nadprzewodnictwa [19th Natl (Polish) Conf.on Superconductivity] (KNN 2019) Bronisławów (Piotrków Tr.), PL, 2019.10 06–11

93. **V.V. Medviediev**, **M. Daszkiewicz**,

Optical Properties and Non-centrosymmetric Crystal Structures of 2-Methyl-5-nitroanilinium Dihydrogen Phosphate Showing Phase Transition. (P)

LXI Konvers. Krystalograficzne [61st Polish Crystallographic Meet.] Wrocław, PL, 2019.06 26âĂŞ28

94. **V. Medviediev**, **M. Daszkiewicz**,

Optical Properties and Non-centrosymmetric Crystal Structures of 2-Methyl-5-nitroanilinium Dihydrogen Phosphate Showing Phase Transition. (P)

15th Int.Conf.on Molecular Spectroscopy (ICMS 2019) Wojanów, PL, 2019.09 15–19

95. **V. Medviediev**, **M. Daszkiewicz**,

IR Spectra and Crystal Structure Investigation for Series of Three Salts of 2Me3NA with Inorganic Acids. (P)

15th Int.Conf.on Molecular Spectroscopy (ICMS 2019) Wojanów, PL, 2019.09 15–19

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

$Ba_2MgWO_6 : Nd^{3+}$ Double Perovskite – New Promising Host. (P)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

97. A.Morawski, T.Cetner, Sh.J.Singh, A.I.Coldera, **D. Gajda**, **A.J. Zaleski**, R.Diduszko, M.Rindfleisch, G.Gajda, K.Filar, P.Przysłupski,

High-Pressure Treatment of Fe-122 and Fe-1144 Wire Cores-Phase Stability. (P)

XIX Kraj.Konf. Nadprzewodnictwa [19th Natl (Polish) Conf.on Superconductivity] (KNN 2019) Bronisławów (Piotrków Tr.), PL, 2019.10 06–11

98. M.Neupane, M.M.Hosen, K.Dimitri, A.K.Nandy, A.Aperis, R.Sankar, G.Dhakal, P.Maldonaldo, F.Kabir, C.Sims, F.Chou, **D. Kaczorowski**, T.Durakiewicz, P.M.Oppeneer,

Distinct Multiple Fermionic States in a Single Topological Metal. (C)

APS March Meet. Boston, MA, US, 2019.03 04–03

99. KhacKhong Minh Ngo, ThiKien Giang Lam, ManhTien Dinh, ThiKhuyen Hoang, VanDo Phan, **D. Hreniak**. **M. Stefański**, **K. Grzeszkiewicz**, Vu Nguyen,

Effect of Calcination Temperature on Optical Properties of $Gd_3PO_7 : Eu^{3+}$ Nanophosphors Synthesized by Combustion Methos. (C)

7th Int.Worksh.on Nanotechnology & Application (IWNA 2019) Phan Thiet, VN, 2019.11 06–09

100. Th.Thu.H.Nguyen, **V.H. Tran**, **Z. Bukowski**,

Study of Magnetic and Superconducting Properties of $Sr_2MFeAsO_3$ (M = V, Cr, Sc). (C)

4th Worksh.of Vietnamese Students in Poland, Warsaw, PL, 2019.12 07–08

101. P.Nowakowska, **M. Wujczyk**, **A.Watras**, **R.J. Wiglusz**,

Jak z promieniowania NIR może powstać promieniowanie VIS, czyli o zjawiskach konwersji energii *w górę* w nanomateriałach. [???.] (P)

51. Ogólnopolska SzkoÅĆa Chemii, Wrocław, PL, 2019.11 08–

102. **K. Pasińska**, A.Piecha-Bisiorek, **V. Kinzhybalo**, A.Ciżman, **A.GÄĚgor**, **A.Pietraszko**,

A Paraelectric–Ferroelectric Phase Transition in Zinc Oxalate Coordination Polymer. (P)

LXI Konvers. Krystalograficzne [61st Polish Crystallographic Meet.] Wrocław, PL, 2019.06 26âĂŞ28

103. M.Pasturel, **M. Szlawska**, **A.P. Pikul**, A.P.Gonçalves, H.Noël, **D. Kaczorowski**,

Magnetic and Related Properties of the Ternary Germanides $UT_{1-x}Ge_2$ (T = Fe, Ni, Os). (C)

$49^{èmes}$ Journées des Actinides (JdA 49) Erice (Sicily), IT, 2019.04 14–18

104. A.Patej, **P. Głuchowski**,

Impact of the Sintering Pressure on the Persistent Luminescence Properties of the $Sr_xCa_{1-x}Al_2O_4 : Eu^{2+}, Dy^{3+}$ Ceramics. (P)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

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

Magnetotransport Properties of Possible Topological Semimetal HoPtBi. (P)

[20th] Int.Conf.on Strongly Correlated Electron Systems (SCES'19) Okayama, JP, 2019.09 23–28

106. P.Peksa, **A.Gągor**, **A.Ciupa**, S.Pawlus, A.Sieradzki,

Wpływ domieszkowania Cu na strukturalną przemianę fazową w zwiÄĚzku $[(CH_3)_2NH_2][Zn(HCOO)_3]$. [???.] (P)

45. Zjazd Fizyków Polskich [45th Gener.Meet.of Polish Physicists] Cracow, PL, 2019.09 13-18

107. **A.M. Piekarska**, **T.K. Kopeć**,

Quantum Glass of Interacting Bosons with Off-Diagonal Disorder. (C)

(STATPHYS'27) Buenos Aires, AR, 2019.07 08–12

108. **A.Piekarska**, **T. Kopeć**,

Szkło kwantowe bozonów z pozadiagonalnym nieporządkiem. [Quantum Glass of Bosons with Off-Diagonal Disorder.] (L)

45. Zjazd Fizyków Polskich [45th Gener.Meet.of Polish Physicists] Cracow, PL, 2019.09 13-18

109. P.Piekarz, A.Ptok, K.Domieracki, K.J.Kapcia, J.Łażewski, P.T.Jochym, M.Sternik, A.M.Oleś, R.Kremer, **D. Kaczorowski**,

DFT Studies of Noncentrosymmetric Superconductors. (I)

XIX Kraj.Konf. Nadprzewodnictwa [19th Natl (Polish) Conf.on Superconductivity] (KNN 2019) Bronisławów (Piotrków Tr.), PL, 2019.10 06–11

110. **A.Pikul**,

Uporządkowanie magnetyczne i niekonwencjonalne nadprzewodnictwo w międzymetalicznych związkach uranu. [???.] (L)

45. Zjazd Fizyków Polskich [45th Gener.Meet.of Polish Physicists] Cracow, PL, 2019.09 13-18

111. ĐŢ.N.Poddenezhny, A.A.Boiko, O.V.Davydova, N.E.Drobyshevskaya, **W. Stręk**,

Luminescent Nanostructure Powders Based on $Y_2O_3 : Tb^{3+}$ Prepared by Combustion Method. (P)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

112. D.Podsiadła, **M. Drozd**, Z.Czapla, O.Czupiński,

Optical Studies – Experimental and Theoretical – on Hybride $(C_3N_2H_5)_2SbF_5$ Crystal. (P)

15th Int.Conf.on Molecular Spectroscopy (ICMS 2019) Wojanów, PL, 2019.09 15–19

113. G.Politova, T.Kaminskaya, I.Tereshina, **H. Drulis**, D.Gorbunov, M.Paukov, E.Tereshina-Chitrova, A.Andreev,

Structural, Magnetic and Magnetocaloric Properties of $NdPrFe_{14}B$ and Its Hydrides. (P)

7th Euro-Asian Symp.on Trends in Magnetism (EASTMAG-2019) Ekaterinburg, RU, 2019.09 08–13

114. **M. Ptak**, **A.Gągor**, **M. Mączka**,

Structural and Phonon Properties of Novel Dicyanamide Frameworks with Perovskite-Type Architecture. (P)

15th Int.Conf.on Molecular Spectroscopy (ICMS 2019) Wojanów, PL, 2019.09 15–19

115. K.Rajfur, **S. Veltri**, **P. Głuchowski**,

Persistent Luminescence in GGAG : RE^{3+} (RE : Ce, Pr, Tb). (P)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

116. S.Regmi, M.M.Hosen, G.Dhakal, K.Dimitri, P.Maldonado, A.Aperis, F.Kabir, C.Sims, P.Riseborough, P.M.Oppeneer, **D. Kaczorowski**, T.Durakiewicz, M.Neupane,

Discovery of Topological Nodal-Line Fermionic Phase in a Magnetic Material GdSbTe. (C)

APS March Meet. Boston, MA, US, 2019.03 04–03

117. S.Regmi, C.Sims, M.M.Hosen, G.Dhakal, H.Aramberri, K.Dimitri, F.Kabir, **D. Kaczorowski**, X.Zhou, T-R.Chang, H.Lin, N.Kioussis, M.Neupane,

Observation of Nodal Loops in HfP_2. (C)

APS March Meet. Boston, MA, US, 2019.03 04–03

118. R.Reisfeld, V.Levchenko, **W. Stręk**,

Increase of Excited State Population of Europium Complex by Interaction with Copper Nanoparticles. (I)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

119. **P. Rejnhardt**, **M. Daszkiewicz**,

Architecture of Hydrogen Bonding Network in 1H-Pyrazole-1-carboximidamide Salts. (P)

LXI Konvers. Krystalograficzne [61st Polish Crystallographic Meet.] Wrocław, PL, 2019.06 26âĂŞ28

120. **K. Rogacki**, **A.Los**, B.Dabrowski,

Wzrost prądu krytycznego w YBCO poprzez zastosowanie metod chemicznych. [???.] (P)

45. Zjazd Fizyków Polskich [45th Gener.Meet.of Polish Physicists] Cracow, PL, 2019.09 13-18

121. **K. Rogacki**, **V.I. Nizhankovskiy**,

BKT Transition Observed in Magnetic and Electric Properties of $YBa_2Cu_3O_{7-\delta}$ Single Crystals. (I)

XIX Kraj.Konf. Nadprzewodnictwa [19th Natl (Polish) Conf.on Superconductivity] (KNN 2019) Bronisławów (Piotrków Tr.), PL, 2019.10 06–11

122. P.Ropuszyńska-Robak, **L.Macalik**, **R. Lisiecki**, **J. Hanuza**,

Luminescence Behaviour of the Synthesized Rare-Earth Doped Potassium or Sodium Yttrium Double Tungstate Nanopowders. (P)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

123. M.Rosmus, N.Olszowska, R.Kurleto, J.Kołodziej, **M. Babij**, **Z. Bukowski**, P.Starowicz,

Cobalt Doping in $CaFe_2As_2$: Evolution of the Electronic Structure. (P)

XIX Kraj.Konf. Nadprzewodnictwa [19th Natl (Polish) Conf.on Superconductivity] (KNN 2019) Bronisławów (Piotrków Tr.), PL, 2019.10 06–11

124. **P. Ruszała**, **M.J. Winiarski**, **M. Samsel-Czekała**,

Fermiony Diraca w niesymmorficznym nadprzewodniku $LaSb_2$ – badania *ab initio*. [???.] (P)

45. Zjazd Fizyków Polskich [45th Gener.Meet.of Polish Physicists] Cracow, PL, 2019.09 13-18

125. **P. Ruszała**, **M.J. Winiarski**, **M. Samsel-Czekała**,

Dirac-Like Electronic-Band Dispersion of $LaSb_2$ Superconductor and Its Counterpart $LaAgSb_2$. (P)

XIX Kraj.Konf. Nadprzewodnictwa [19th Natl (Polish) Conf.on Superconductivity] (KNN 2019) Bronisławów (Piotrków Tr.), PL, 2019.10 06–11

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

Electronic Structure and Optical Properties of YGa_2 within DFT. (P)

7th Int.Symp.on Optics & Its Applications (OPTICS-2019) Ashtarak, AM, 2019.09 20–24

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

The Investigation of Electronic Structure and Optical Properties of YGa_2. (P)

Advanced Nanomaterials and Methods: Int.Worksh. & Young Scientist Sch. (ANAM 2019) Yerevan, AM, 2019.09 25 –.10 02

128. A.V.Semchenko, V.V.Sidsky, V.E.Gaishun, D.L.Kovalenko, **M. Markowska**, **V. Boiko**, **D. Hreniak**, **W. Stręk**, M.L.Saladino,

Optical Properties of Sol–Gel Silica Layers Embedded with YAGG : Ce^{3+}, Cr^{3+}, Yb^{3+} Nanocrystals. (C)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

129. W.Sąsiadek, J.Lorenc, I.Bryndal, **J. Hanuza**,

Crystal Structure and Spectroscopic Properties of Disulfide Pyridine Derivatives: 2,2'-Disulfanodiylbis(6-methyl-3- and 5-Nitropyridine).). (P)

15th Int.Conf.on Molecular Spectroscopy (ICMS 2019) Wojanów, PL, 2019.09 15–19

130. W.Sąsiadek, A.Zając, A.Piotrowicz, E.Kucharska, J.Lorenc, **J. Hanuza**,

Studies on Spectroscopic Changes in the IR Region of Herb and Thyme Herbal Extract (*Thymus vulgaris* L.). (P)

15th Int.Conf.on Molecular Spectroscopy (ICMS 2019) Wojanów, PL, 2019.09 15–19

131. Yu.Slyvka, O.Hordiichuk, **V. Kinzhybalo**, **T. Bednarchuk**, **O. Bednarchuk**, J.Jędryka, I.Kityk, M.Mys'kiv,

Heterometallic and Mixed-Valence Copper(I/II) π-Coordination Compounds With 1,2,4-Triazole Allyl-Derivative: Synthesis, Structure and Some Properties. (P)

LXI Konvers. Krystalograficzne [61st Polish Crystallographic Meet.] Wrocław, PL, 2019.06 26âĂŞ28

132. **P. Sobierajska**, **R.J. Wiglusz**,

Investigation of Site Occupancy Preference of Eu^{3+} Ion in Hydroxyapatite Structure Affected by Grain Sizes as well as Li^{+} Ion as a Charge Compensator. (P)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

133. P.Starowicz, R.Kurleto, M.Fidrysiak, L.Nicolai, A.P.Kądzielawa, D.Legut, M.Rosmus, Ł.Walczak, A.Tejeda, **D. Gnida**, **D. Kaczorowski**, J.Minar, J.Spałek,

Efekty hybrydyzacji w ciężkofermionowych związkach ceru badane metodą ARPES. [???.] (L)

45. Zjazd Fizyków Polskich [45th Gener.Meet.of Polish Physicists] Cracow, PL, 2019.09 13-18

134. **K. Startek**, J.Marczak, **A.Łukowiak**,

Sol–Gel Barrier Layers with Lower Oxygen Permeability. (P)

15th Int.Conf.on Molecular Spectroscopy (ICMS 2019) Wojanów, PL, 2019.09 15–19

135. **M. Stefański**, **K. Grzeszkiewicz**, **D. Hreniak**, **W. Stręk**,

Impact of Dopant Concentration on the Spectroscopic Properties of Rubidium Tetraphosphates Activated with Thulium Ions. (P)

15th Int.Conf.on Molecular Spectroscopy (ICMS 2019) Wojanów, PL, 2019.09 15–19

136. **W. Stręk**, **R. Tomala**, **B. Cichy**, **P. Wiewiórski**,

Laser Stimulated White Lighting of Graphene. (I)

Advanced Nanomaterials and Methods: Int.Worksh. & Young Scientist Sch. (ANAM 2019) Yerevan, AM, 2019.09 25 –.10 02

137. **W. Stręk**, **R. Tomala**, **M. Stefański**, **B. Cichy**,

Laser Induced White Lighting of Rare-Earth Compounds. (I)

Advanced Nanomaterials and Methods: Int.Worksh. & Young Scientist Sch. (ANAM 2019) Yerevan, AM, 2019.09 25 –.10 02

138. **W. Stręk**, **R. Tomala**, **M. Stefański**, **P. Głuchowski**, **B. Cichy**,

Laser-Induced White Emission in Re-Doped Nanocrystals. (I)

7th Int.Worksh.on Nanotechnology & Application (IWNA 2019) Phan Thiet, VN, 2019.11 06–09

139. **W. Stręk**, **R. Tomala**, **P. Wiewiórski**, M. Oleszko,

Novel Properties of Laser Induced Emission of Graphene. (L)

15th Int.Conf.on Molecular Spectroscopy (ICMS 2019) Wojanów, PL, 2019.09 15–19

140. **A.Strzęp** G.Aka, P.Loiseau,

Spectroscopic Properties of Er^{3+} and Sm^{3+} Co-doped $CaNb_2O_6$ Single Crystal. (P)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

141. M.Sundermann, A.Amorese, H.Yavaş, H.Gretarsson, M.B.Maple, R.Sheng, **D. Kaczorowski**, **M. Szlawska**, A.Leithe-Jasper, L.H.Tjeng, A.Severing,

Ground State Symmetry of the Hidden Order Compound URu_2Si_2 : a Comparison with Antiferromagnetic $U_{1.7}Fe_{0.3}Si_2$, UPd_2Si_2 and UNi_2Si_2 . (P)

[20th] Int.Conf.on Strongly Correlated Electron Systems (SCES'19) Okayama, JP, 2019.09 23–28

142. **M. Szlawska**, M.Ohashi, **A.Pikul**, M.Pasturel, **D. Kaczorowski**,

Magnetic Ordering in Single-Crystalline $UNi_{0.38}Ge_2$. (P)

[20th] Int.Conf.on Strongly Correlated Electron Systems (SCES'19) Okayama, JP, 2019.09 23–28

143. **M. Szlawska**, M.Pasturel, **A.Pikul**, H.Noël, **D. Kaczorowski**,

Coexistence of Crystallographic Disorder and Ferromagnetic Order in the Novel Compound $UOs_{0.25}Ge_2$. (P)

[20th] Int.Conf.on Strongly Correlated Electron Systems (SCES'19) Okayama, JP, 2019.09 23–28

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

Nowy międzynarodowy układ jednostek miar Sl. [???.] (L)

45. Zjazd Fizyków Polskich [45th Gener.Meet.of Polish Physicists] Cracow, PL, 2019.09 13-18

145. **K. Szyszka**, A.Dorotkiewicz-Jach, **S. Targońska**, Z.Drulis-Kawa, **R.J. Wiglusz**,

Spectroscopic Investigation and Antimicrobial Characterization of Nanohydroksyapatite Co-doped with Eu^{3+} and Cu^{2+} Ions. (P)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

146. **S. Targońska**, **R.J. Wiglusz**,

Studies of Luminescence Properties of Eu^{3+} Ions Doped the Silicate-Substituted Apatite and Co-doped with Strontium Ions. (P)

NATO Adv.Stud.Inst.: Light-Matter Interactions Towards the Nanoscale Erice (Sicily), IT, 2019.07 20–.08 04

147. **S. Targońska**, **R.J. Wiglusz**,

Study of Luminescence Properties of Neodymium(III) **Ions in Silicate-Substituted Hydroxyapatite Co-doped with Bismuth**(III) **Ions.** (P)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

148. M.B.Tchoula Tchokonté, M.H.Mbulunge, J.J.Mboukam, A.K.Bashir, B.Sahu, A.M.Strydom, **D. Kaczorowski**,

Magnetic Properties, Magnetic Entropy and Adiabatic Temperature Change in Antiferromagnetic NdCuGa Compound. (P)

64th Ann.Conf.on Magnetism & Magnetic Materials, Las Vegas, NM, US, 2019.11 04–08

149. **R. Tomala**, **P. Głuchowski**, **A.Łukowiak**, **Yu.Gerasymchuk**, T.Shulha, M.Serdechnova, M.Zhedkevich, **W. Stręk**,

Comparison of Structural and Morphology Properties of Multiferroic Materials Synthesized by Various Method. (C)

7th Int.Worksh.on Nanotechnology & Application (IWNA 2019) Phan Thiet, VN, 2019.11 06–09

150. **R. Tomala**, **K. Grzeszkiewicz**, **D. Hreniak**, **W. Stręk**,

Down-conversion Process in Yb^{3+} Doped GdAG Nanocrystals. (P)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

151. **R. Tomala**, **W. Stręk**, J.Legedziewicz, **Yu.Gerasymchuk**, **D. Hreniak**,

Synthesis, Optical Properties and White Lighting of ZnSe : Yb. (P)

15^{th} Laser Ceramic Symp. (LCS 2019) Zakopane, PL, 2019.09 13–15

152. **P.E. Tomaszewski**,

Żale starego krystalografa. [Sorrows of an Old Crystallographer.] (P)

LXI Konvers. Krystalograficzne [61st Polish Crystallographic Meet.] Wrocław, PL, 2019.06 26âĂŞ28

153. **L.M. Tran**, **M. Babij**, **Z. Bukowski**, **A.J. Zaleski**,

The Interplay of Superconductivity and Magnetism in Iron Based Superconductors: Study of $EuFe_2As_2$-Based Magnetic Superconductors. (I)

Materials Research Meet. 2019, Yokohama, JP, 2019.12 10–14

154. **L.M. Tran**, **M. Babij**, P. Górniak, **A.J. Zaleski**,

$GdFe_{1-x}Co_xAsO$ Magnetic Superconductors. (P)

XIX Kraj.Konf. Nadprzewodnictwa [19th Natl (Polish) Conf.on Superconductivity] (KNN 2019) Bronisławów (Piotrków Tr.), PL, 2019.10 06–11

155. Lam Thi Ngoc Tran, R.Balda, W.Blanc, A.Chiasera, J.Gates, M.Ferrari, **P. Głuchowski**, G.Ischia, **A.Łukowiak**, F.Mady, B.Mourad, G.C.Righini, L.Zur, D.Massella, S.Berneschi, B.Boulard, A.Chiappini, P.Dentella, Sh.Eaton, J.Fernandez, J.Gates, G.Ischia, G.N.Conti, F.Prudenzano, B.Rossi, D.Zonta,

SnO_2-Based Transparent Glass-Ceramics: Advances and Perspectives. (I)

15th Int.Conf.on Molecular Spectroscopy (ICMS 2019) Wojanów, PL, 2019.09 15–19

156. **V.H. Tran**, **R. Idczak**, **Z. Bukowski**, T.H. Nguyen,

Magnetic, Electron Transport, Specific Heat and Mössbauer Spectroscopy Properties of $Sr_2AFeAsO_3$ ($A = V, Cr, Sc$) Materials. (C)

XIX Kraj.Konf. Nadprzewodnictwa [19th Natl (Polish) Conf.on Superconductivity] (KNN 2019) Bronisławów (Piotrków Tr.), PL, 2019.10 06–11

157. **V.H. Tran**, **R. Idczak**, **Th.L.Mai**, Th.T.H.Nguyen, **Z. Bukowski**,

Bulk, Microscopic, and Electronic Properties of $Sr_2AFeAsO_3$ ($A = V, Cr, Sc$) Materials. (L)

Joint 5^{th} Int.Symp.on Frontiers in Materials Science, and *3^{rd} Int.Symp.on Nanomaterials: Technology & Applications,* Da Nang City, VN, 2019.11 10–12

158. **S. Veltri**, K.Rajfur, A.Patej, **P. Głuchowski**,

Persistent Luminescence in GGAG : Ce^{3+} Co-doped with RE^{3+} (RE : Pr, Sm, Tb, Dy, Ho, Tm) and Cr^{3+}. (P)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

159. O.M.Vovk, S.Nizankovskyi, Ya.Boyarintseva, S.Kryvonogov, O.Sidletskiy, Yu.Siryk, O.O.Vovk, **W. Stręk**, **M. Chaika**, **R. Tomala**, **V. Boiko**, I.Prytula,

Luminescence and Radiometry of the YAG : $Ce - Al_2O_3$ Eutectics. (C)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

160. **T.H.Q. Vũ**, **B. Bondzior**, **D. Stefańska**, **P.J. Dereń**,

Double Perovskite Ba_2MgWO_6 Synthesis by a Novel Coprecipitation Method. (P)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

161. **A.Watras**, S.Piekarski, **P.J. Dereń**,

Study of the Influence of the Synthesis on Spectroscopic Properties of $Ca_9KMg(PO_4)_7$ Doped with Eu^{2+} Ions. (L)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

162. **P. Wiśniewski**,

Materiały topologiczne. Dlaczego się nimi interesujemy i jak możemy je badać. [Topological Materials: Why Are We Interrested in Them and How Can We Investigate Them?] (L)

IV Og.pol. Studencka Fizyczno-Optyczna Konferencja [4th Polish Studnts Physics–Optics Conf.] (FOKA-4) Wroclaw, PL, 2019.12 07–08

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

Half-Heusler Topological Phases and High-Multiplet p-Wave-Pairing Superconductors. (L)

45. Zjazd Fizyków Polskich [45th Gener.Meet.of Polish Physicists] Cracow, PL, 2019.09 13-18

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

Half-Heusler Topological Phases, Likely High-Multiplet p-Wave-Pairing Superconductors. (C)

European CMetAC Days 2019, Dresden, DE. 2019.12 03–06

165. B.Włodarczyk, K.Ślepokura, **V. Kinzhybalo**,

Przemiana fazowa w tetrachloromiedzianie(II) **metylourotropiniowym.** [Phase Transition in Methylourotropine Tetrachlorocuprate(II).] (P)

LXI Konvers. Krystalograficzne [61st Polish Crystallographic Meet.] Wrocław, PL, 2019.06 26âĂŞ28

166. **M. Wujczyk**, **A.Watras**, P.Boutinaud, M.Bettinelli, **S. Targońska**, **R.J. Wiglusz**,

Investigation of $YV_xAs_{1-x}O_4$ Solid State Solution for Terbium Quenching Mechanism. (C)

12th Int.Conf.on Excited States of Transitions Elements (ESTE 2019) Kudowa Zdrój, PL, 2019.09 08–13

167. A.Zając, A.Jędrzejewska, J.Lorenc, K.Banaś, W.Sąsiadek, **J. Hanuza**,

Determination of Epigallocatechin Gallate in Tea Extracts Using Infrared Spectroscopy. (P)

15th Int.Conf.on Molecular Spectroscopy (ICMS 2019) Wojanów, PL, 2019.09 15–19

168. A.Zając, J.Michalski, L.Dymińska, J.Lorenc, A.Z.Kucharska, A.Szumny, **J. Hanuza**,

The Spectroscopic Properties and Molecular Structure of Iridoids – Loganic Acid. (P)

15th Int.Conf.on Molecular Spectroscopy (ICMS 2019) Wojanów, PL, 2019.09 15–19

169. T.Zajarniuk, A.Szewczyk, M.U.Gutowska, **P. Wiśniewski**, **D. Kaczorowski**, I.Gudim, L.N.Bezmaternykh,

Magnetic Phase Transition in $TbAl_3(BO_3)_4$ – Classical or Modified by Quantum Fluctuations? (C)

XIX Kraj.Konf. Nadprzewodnictwa [19th Natl (Polish) Conf.on Superconductivity] (KNN 2019) Bronisławów (Piotrków Tr.), PL, 2019.10 06–11