

LISTA PUBLIKACJI 1973  
LIST of PUBLICATIONS

ARTYKUŁY W CZASOPISMACH NAUKOWYCH  
ARTICLES IN SCIENTIFIC JOURNALS

1. К.П.Белов, А.С.Дмитриевский, Р.З.Левитин, Т.Палеуски, Ю.Ф.Попов, **W. SUSKI**,  
**Метаманетизм в системе  $UAs_zSe_{z-1}$** . [Metamagnetism in the  $UAs_zSe_{z-1}$  System.]  
*Письма в ЖЭТФ* **17**<sub>2</sub> (1973) 81–4 [in Russian]. Engl. in: *JETP Lett.* **17**<sub>2</sub> (1973) 56–8.
2. К.П.Белов, А.С.Дмитриевский, **A. ZYGMUNT**, Р.З.Левитин, **W. TRZEBIATOWSKI**,  
**Магнитная анизотропия урановых соединений  $UAs$  и  $UAsSe$** . [Magnetic Anisotropy of Uranium  
Compounds  $UAs$  and  $UAsSe$ .]  
*Ж. Эксп. Теор. Физ.* **64**<sub>2</sub> (1973) 582–6 [in Russian]. Engl. in: *Sov. Phys.-JETP* **37**<sub>2</sub> (1973) 297–8.
3. К.П.Белов, **Z. HENKIE**, А.С.Дмитриевский, Р.З.Левитин, **W. TRZEBIATOWSKI**,  
**Исследования магнитных свойств монокристаллов урановых соединений  $U_3P_4$  и  $U_3As_4$**   
**в сильных полях**. [Investigation of the Magnetic Properties of Single Crystals of the Uranium Compounds  
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*Ж. Эксп. Теор. Физ.* **64**<sub>4</sub> (1973) 1351–5 [in Russian]. Engl. in: *Sov. Phys.-JETP* **37**<sub>4</sub> (1973) 686–8.
4. **Z. BIEGAŃSKI**,  
**Low Temperature Heat Capacities and Related Thermodynamics Functions of Praseodymium  
Dihydride  $PrH_2$ . Crystal Field Effects**.  
*J. Chem. Thermodyn.* **5**<sub>1</sub> (1973) 1–7. [DOI]
5. **Z. BIEGAŃSKI**, **J. OPYRCHAŁ**, **M. DRULIS**,  
**Low Temperature Specific Heat of Holmium Dihydride ( $HoH_2$ )**.  
*Bull. Acad. Polon. Sci.: Sér. sci. chim.* **21**<sub>9</sub> (1973) 703–7.
6. **E. BODIO**,  
**Микроскrapлarka азоту з wymiennikiem ciepła typu PARKINSONA**. [Nitrogen Micro-liquefier with the  
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*Chłodnictwo* **8**<sub>8</sub> (1973) 3–4 [in Polish].
7. **E. BODIO**, **B. SUJAK**,  
**Sprawność wymienników ciepła mikroskraplarek LINDEgo–HAMPSONA**. [Efficiency of Heat  
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*Chłodnictwo* **8**<sub>4</sub> (1973) 1–2 [in Polish].
8. **E. BODIO**, **B. SUJAK**,  
**O parametrach decydujących o czasie rozpoczęcia skraplania w jednostopniowych  
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*Chłodnictwo* **8**<sub>8</sub> (1973) 1–2 [in Polish].
9. **E. BODIO**, **B. SUJAK**,  
**O optymalizacji kriogenicznych wymienników ciepła typu HAMPSONA**. [On the Optimization of the  
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*Chłodnictwo* **8**<sub>8</sub> (1973) 2–3 [in Polish].

10. **E. BODIO, B. SUJAK,**  
**Mikroskraplarka azotu typu HAMPSONA.** [Nitrogen Micro-liquefier of HAMPSON Type.]  
*Post. Fizyki* **24**<sub>2</sub> (1973) 255–9 [in Polish].
11. **J.Z. DAMM, M. IWANICKA, J.Trnka, I.Velická,**  
**Distribution of Pb<sup>2+</sup> Ions in KCl Single Crystals Grown by BRIDGMAN Method.**  
*Krist. Technik* **8**<sub>6</sub> (1973) 709–15. [DOI]
12. **H. DRULIS, B. STALIŃSKI,**  
**Electron Spin Resonance of Gd<sup>3+</sup> Ions in Lanthanum Hydride Matrices.**  
*Bull. Acad. Polon. Sci.: Sér. sci. chim.* **21**<sub>1</sub> (1973) 65–70.
13. **M. DRYŚ, R. KUBIAK, K. ŁUKASZEWICZ,**  
**The Crystal Structure Refinement of Nb<sub>5</sub>Ga<sub>4</sub>.**  
*Bull. Acad. Polon. Sci.: Sér. sci. chim.* **21**<sub>12</sub> (1973) 901–5.
14. **K. DURCZEWSKI,**  
**An Approach to High-Temperature Series Expansions for Study of Independent Phase Transitions in Ferromagnets.**  
*J. Phys. C* **6**<sub>22</sub> (1973) L413–6. [DOI]
15. J.Dzięgielewski, **J. HANUZA, B. JEŻOWSKA-TRZEBIATOWSKA,**  
**Vibrational Spectra and Structure of Some Penicillin Derivatives.**  
**II: Procaine Hydrochloride, Procaine Penicillin, and Syntarpen.**  
*Bull. Acad. Polon. Sci.: Sér. sci. chim.* **21**<sub>9</sub> (1973) 643–56.  
 For I. see: *ibid.*, **20**<sub>?</sub> (1972) 951–?? (I.Z.Siemion *et al.*); for III. see: *ibid.*, pp.657– (foll. paper).
16. J.Dzięgielewski, **J. HANUZA, B. JEŻOWSKA-TRZEBIATOWSKA, J.Kuduk-Jaworska,**  
**Vibrational Spectra and Structure of Some Penicillin Derivatives.**  
**III: Ampicillin and Carboxybenzylpenicillin.**  
*Bull. Acad. Polon. Sci.: Sér. sci. chim.* **21**<sub>9</sub> (1973) 657–68.  
 For II. see: *ibid.*, pp.643–56 (prec. paper); for IV. see: *ibid.*, **22**<sub>6</sub> (1974) 505–17.
17. J.Dzięgielewski, **J. HANUZA, B. JEŻOWSKA-TRZEBIATOWSKA, I.Z.Siemion,**  
**ИК спектры а структура некоторых производных пеницилина.** [Infrared Spectra and Structure of Some Penicillin Derivatives.]  
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18. J.Dzięgielewski, B.Jeżowska-Trzebiatowska, E.Kalecińska, **J. KALECIŃSKI, J. NAWOJSKA,**  
 I.Z.Siemion,  
**Gamma-Radiolysis of the 6-Aminopenicillanic Acid and Its Derivatives.**  
*Nukleonika* **18**<sub>?</sub> (1973) 513–23.
19. **Z.M. GALASIEWICZ,**  
**A New Sound Mode in Superfluid <sup>3</sup>He – Superfluid <sup>4</sup>He Solutions.**  
*Phys. Lett. A* **43**<sub>2</sub> (1973) 149–50. [DOI]
20. **Z. HENKIE, J. KLAMUT,**  
**The Electrical Resistivity of Monocrystalline U<sub>3</sub>As<sub>4</sub> in the Vicinity of the CURIE Temperature in an External Magnetic Field.**  
*phys. stat. sol. (a)* **20**<sub>1</sub> (1973) K69–70. [DOI]
21. B.Hilczer, L.Szczepańska, J.Baran, **S. OLEJNIK, K. ŁUKASZEWICZ,**  
**Growth Conditions and Lattice Constants of Diglycine Sulfate and Diglycine Selenate.**  
*Krist. Technik* **8**<sub>8</sub> (1973) K23–4. [DOI]

22. **R. HORYŃ**,  
**Preparation and X-ray Study of Single Crystals of Solid Solutions of  $\gamma$ -Tungsten Oxide with Germanium and Silicon.**  
*Krist. Technik* **8**<sub>1-3</sub> (1973) 279–85. [DOI]
23. A. Idzikowski, S. Gądek, **W.O. MLECZKO**,  
**Atlas widm łukowych do spektrografu dyfrakcyjnego 2240–6750 Å.** [Atlas of the Arc Spectra for the Grating Spectrograph 2240–6750 Å.]  
*Pr. Nauk. Inst. Chem. Nieorg. P. Wrocl.* Nr 13 [Monogr. Nr 3] (1973) 1–124 [in Polish].
24. **B. JEŻOWSKA-TRZEBIATOWSKA, J. HANUZA**,  
**Infrared Spectroscopy of Oxygen Bond Systems.**  
*J. Mol. Struct.* **19**<sub>1</sub> (1973) 109–42. [DOI]  
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25. **J. KALECIŃSKI**,  
**Effect of Temperature on the Radical Yields in  $\gamma$ -Radiolysis of Aqueous Solutions of Nitrates.**  
*Bull. Acad. Polon. Sci.: Sér. sci. chim.* **21**<sub>3</sub> (1973) 209–13.
26. **J. KLAMUT, K. DURCZEWSKI, J. SZNAJD**,  
**Przejścia fazowe II rodzaju w ferromagnetykach w obecności zewnętrznego pola magnetycznego.** [Second Order Phase Transitions in Ferromagnets in the Presence of an External Magnetic Field.]  
*Post. Fizyki* **24**<sub>2</sub> (1973) 145–66 [in Polish].
27. **J. KLAMUT, J. SZNAJD**,  
**Characteristic Surfaces of Fluctuations and Critical Index for the Phase Transition in Uniaxial Ferromagnets.**  
*phys. stat. sol. (b)* **60**<sub>2</sub> (1973) 795–800. [DOI]
28. **R. KUBIAK, M. DRYŚ, K. ŁUKASZEWICZ**,  
**The Crystal Structure Refinement of Nb<sub>5</sub>Ga<sub>3</sub>.**  
*Bull. Acad. Polon. Sci.: Sér. sci. chim.* **21**<sub>12</sub> (1973) 907–10.
29. **H. KUBICKA**,  
**Adsorption of Hydrogen, Nitrogen, and Argon on Rhenium Powder. The Surface Area of Rhenium.**  
*Roczn. Chem.* **47**<sub>3</sub> (1973) 599–616.
30. **J. KUPKA, J. HANUZA, E. ŁUKOWIAK, B. JEŻOWSKA-TRZEBIATOWSKA**,  
**Vibronic Analysis of the  ${}^2E_g \rightarrow {}^4A_{2g}$  Transition in Transition Metal Complexes.**  
*J. Chem. Phys.* **59**<sub>3</sub> (1973) 1553–4. [DOI]
31. S. Ligenza, A. Murasik, **A. ZYGMUNT**, J. Leciejewicz,  
**The Magnetic Phase Diagram of the UAs<sub>2-x</sub>Se<sub>x</sub> Solid Solution.**  
*phys. stat. sol. (a)* **16**<sub>2</sub> (1973) K171–4. [DOI]
32. **B. MAKIEJ**,  
**Complex Energy of Electrical Current Carrier in an Oscillating LC-Circuit.**  
*Acta Phys. Pol. A* **43**<sub>4</sub> (1973) 639–40.
33. **B. MAKIEJ**,  
**A Condition for Momentum Transfer in Diffraction Effects.**  
*Acta Phys. Pol. A* **44**<sub>3</sub> (1973) 441–5.
34. **B. MAKIEJ**,  
**Quantity Determining the Presence of a Microparticle in a Space-Time Region.**  
*Acta Univ. Wratisl.* Nr 188 [Mat. Fiz. Chem. Nr \*\*] (1973) 43–52.

35. **A. MISIUK, J. MULAŁ, A. CZOPNIK,**  
**Magnetic Properties of Uranium Compounds of Low Uranium Content:**  
**UCu<sub>5</sub>, U<sub>2</sub>Zn<sub>17</sub> and UCd<sub>11</sub>.**  
*Bull. Acad. Polon. Sci.: Sér. sci. chim.* **21**<sub>6</sub> (1973) 487–93.
36. A. Murasik, J. Leciejewicz, S. Ligenza, **A. MISIUK,**  
**Magnetic Ordering in Uranium Compounds with AuCu<sub>3</sub>-Type Lattice.**  
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37. A. Murasik, S. Ligenza, J. Leciejewicz, **R. TROĆ,**  
**A Note on the Magnetic Structure of U<sub>3</sub>P<sub>4</sub>.**  
*phys. stat. sol. (a)* **19**<sub>1</sub> (1973) K89–91. [DOI]
38. T. Palewski, **W. SUSKI,** T. Mydlarz,  
**Własności magnetyczne Stopów UAs–USe i UAs–US w silnych polach magnetycznych.**  
 [Magnetic Properties of UAs–USe i UAs–US Alloys in High Magnetic Fields.]  
*Pr. Nauk. Inst. Chem. Nieorg. P. Wrocław.* Nr 16 [Konf. Nr 1] (1973) 51–61 [Pt 1; in Polish].  
*II Symp. "Chemia i metalurgia pierwiastków rzadkich" [2nd Symp. on Rare Elements Chemistry and Metallurgy]*  
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39. **A. PIETRASZKO, K. ŁUKASZEWICZ,**  
**Thermal Expansion and Phase Transitions of Cd<sub>3</sub>As<sub>5</sub> and Zn<sub>3</sub>As<sub>2</sub>.**  
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40. **W. ROMANOWSKI,** A. Miecznikowski,  
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41. **A. SIKORA, B. MAKIEJ, E. TROJNAR, W. JASZCZUK,**  
**Characteristics of the Electric Field in the Resistive State of Type-II Superconductor.**  
*Acta Phys. Pol. A* **43**<sub>6</sub> (1973) 781–6.
42. **H. STACHOWIAK,**  
**Calculation of the Magnetoresistance of Polycrystalline Metals.**  
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43. **H. STACHOWIAK, Z. SZOTEK,**  
**On Solving the BETHE–GOLDSTONE Equation for a Positron in an Electron Gas.**  
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44. **B. STALIŃSKI,**  
**Magnetic Properties of Some Simple Metallic and Semi-metallic Compounds of f-Electron Metals with Main Group Elements.**  
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45. **B. STALIŃSKI, Z. BIEGAŃSKI,**  
**Zastosowania niskotemperaturowej kalorymetrii.** [Applications of Low-Temperature Calorimetry.]  
*Wiadom. Chem.* **27**<sub>8</sub> (1973) 515–34 [in Polish].
46. **B. STALIŃSKI, A. CZOPNIK, N. ILIEW,** T. Mydlarz,  
**Magnetic Properties of Pr<sub>3</sub>In.**  
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47. **B. STALIŃSKI, Z. KLETOWSKI, Z. HENKIE,**  
**Electrical Resistivity of RE Sn<sub>3</sub> Single Crystals (RE = La, Ce, Pr, and Nd).**  
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49. **W. SUSKI**,  
Magnetic Properties of Uranium Chalcogenides with Composition Close to  $UY_2$ .  
*J. Solid State Chem.* **7**<sub>4</sub> (1973) 385–99. [DOI]
50. **W. SUSKI**,  
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[Magnetic Properties of Some Uranium Compounds with Singlet Ground State.]  
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51. **J. SZNAJD**,  
Influence of Spatial Magnetization Fluctuations on the Free Energy of a Ferromagnet in a Field.  
*Phys. Lett. A* **42**<sub>6</sub> (1973) 431–2. [DOI]
52. **Z. SZOTEK**,  
Application of the Mobile RPA Potential in the BETHE–GOLDSTONE Equation for a Positron in an Electron Gas.  
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53. A. Szytuła, **W. SUSKI**,  
Neutron Diffraction Study of  $U_3Se_4$ .  
*Acta Phys. Pol. A* **43**<sub>4</sub> (1973) 631–3.
54. **F. WARKUSZ**, **K. ŁUKASZEWICZ**,  
The Crystal Structure of Triglycine Fluoberylate in the Ferroelectric Phase.  
*Bull. Acad. Polon. Sci.: Sér. sci. chim.* **21**<sub>4</sub> (1973) 271–4.
55. **F. WARKUSZ**, **K. ŁUKASZEWICZ**,  
The Crystal Structure of Triglycine Fluoberylate in the Paraelectric Phase.  
*Bull. Acad. Polon. Sci.: Sér. sci. chim.* **21**<sub>4</sub> (1973) 275–8.
56. **F. WARKUSZ**, **K. ŁUKASZEWICZ**,  
Lattice Constants of Triglycine Fluoberyllate (TGFB) as Function of Temperature and Thermal Treatment.  
*Bull. Acad. Polon. Sci.: Sér. sci. chim.* **21**<sub>9</sub> (1973) 669–73.
57. **B. ZAJĄC**, **J. SZYMASZEK**,  
Otrzymywanie nadprzewodzących warstw stopów niobu i aluminium.  
[Preparation of Superconducting Layers of Niobium and Aluminium Alloys.]  
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58. **Z. ŻOŁNIEREK**, **J. MULAŁ**,  
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59. **A. ZYGMUNT**, **A. CZOPNIK**,  
Magnetic Properties of the Compound  $UPTe$ .  
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60. **Z. BIEGAŃSKI, J. OPYRCHAŁ, M. DRULIS,**  
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[Low Temperature Specific Heats of the Dihydrides of Heavy Rare Earth Metals.]  
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61. **Z. BIEGAŃSKI, J. OPYRCHAŁ, M. DRULIS,**  
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63. **H. KUBICKA,**  
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[Adsorption of Hydrogen and Its *ortho*-*para* Conversion over Rhenium and Ruthenium.]  
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64. **J. MAZUR, W. ZACHARKO, Cz. SUŁKOWSKI,**  
**Effect of Small Concentrations of Impurities on Critical Temperature of Thallium.**  
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65. **H. OPYRCHAŁ, J. Z. DAMM,**  
**Termoluminescencja kryształów KCl czystych i domieszkowanych jonami  $Sr^{2+}$ , napromienionych promieniami gamma.** [Thermoluminescence of Gamma-Irradiated, Pure and  $Sr^{2+}$ -Ion-Doped KCl Crystals.]  
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66. **B. STALIŃSKI,**  
**Magnetic Properties of Some Simple Metallic and Semimetallic Compounds of f-Electron Metals with Main Group Elements.**  
In: *Ann. Conf. on Magnetism & Magnetic Materials*, ed. by H.C. Wolfe [AIP Conf. Ser. Nr 18] (New York,  
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**Niskotemperaturowa kalorymetria.** [Low Temperature Calorimetry.]  
In: *Krajowa Konferencja Kalorymetrii [National Conference on Calorimetry]* (Warszawa: Instytut  
Chemii Fizycznej, 1973) Ch. 1, pp. 1–64 [in Polish].  
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68. **B. STALIŃSKI, A. CZOPNIK, N. ILIEV, T. Mydlarz,**  
**Магнитные свойства интерметаллических соединений редкоземельных металлов типа  $RX_3$**   
( $X \equiv$  олово, свинец). [Magnetic Properties of  $RX_3$ -Type ( $X \equiv$  Sn, Pb) Intermetallic Compounds with Rare  
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Electron Spin Resonance of  $Gd^{3+}$  in  $Thb_4$  and  $Thb_6$  .

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