**Instytut Niskich Temperatur**
**i Badań Strukturalnych PAN**

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# LISTA PUBLIKACJI 1974
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### KSIĄŻKI, MONOGRAFIE i ARTYKUŁY PRZEGLĄDOWE
### Books, Monographs & Reviews

1. **Z. Henkie**,

   **Otrzymywanie monokryształów dwuantymonku i dwubizmutku uranu.** [Growing Uranium Diantimonide and Dibismuthide Single Crystals.]

   In: *Technologia monokryształów, Pt.2*, (Warszawa: PWN 1974) pp. 56–63 [in Polish].

2. W. Romanowski, (Editor)

   **Cienkie warstwy metaliczne** (Warszawa: PWN 1974) 192 p. [in Polish].

3. **W. Romanowski**,

   **Wzrost i struktura cienkich warstw metali.** [Growth and Structure of Thin Metallic Films.]

   In: *Cienkie warstwy metaliczne [Thin Metal Films]*, ed. by W. Romanowski (Warszawa i Wrocław: PWN 1974) pp. 36–71 [in Polish].

4. **J. Rudny**,

   **Przewodnictwo elektryczne cienkich warstw metali.** [Electrical Conductivity of Thin Metallic Films.]

   In: *Cienkie warstwy metaliczne [Thin Metal Films]*, ed. by W. Romanowski (Warszawa i Wrocław: PWN 1974) pp. 72–105 [in Polish].

5. **B. Staliński**,

   **Magnetochemia.** [Magnetochemistry.]

   In: *Poradnik Fizyko-Chemiczny [Handbook of Physics & Chemistry]* (Warszawa: WNT, 1974) Ch.10, pp.471–8 [in Polish].

6. W.Żdanowicz, **A. Wojakowski**, **Z. Henkie**,

   **Otrzymywanie monokryształów fosforku i fosforokrzemku magnezu [$Mg_3P_2$ i $MgSiP_2$].** [Growing $Mg_3P_2$ and $MgSiP_2$ Single Crystals.]

   In: Technologia monokryształów, Pt. 2, (Warszawa: PWN 1974) pp. 64–8 [in Polish].

### ARTYKUŁY W CZASOPISMACH NAUKOWYCH
### Articles in Scientific Journals

7. **K. Balcerek**, **L. Lipiński**, **J. Mucha**, **J. Rafałowicz**, **D. Włosewicz**,

   **Measurements of the Temperature Dependence of Thermal Conductivity of Pure Indium in Temperature Range 5–13 K.**

   *Acta Phys. Pol.* A **46**$_6$ (1974) 677–84.

8. **L. Biegała**, **J. Ulner**,

   **Green Function Theory of Ferromagnets with Orthorhombic Single-Ion Anisotropy.**

   *Bull. Acad. Polon. Sci.: Sér.sci.math.astr.phys.* **22**$_{11}$ (1974) 1161–7.

9. T.Biestek, **M. Dryś**,

   **Produkty korozji cynku powstające w różnych środowiskach korodujących.** [Zinc Corrosion Products Formed in Various Corrosion Environments.]

   *Powloki Ochr.* **2**$_2$ (1974) 24–7 [in Polish].

10. T.Biestek, **M. Dryś**,

**Produkty korozji miedzi powstające w naturalnych środowiskach korodujących.** [Corrosion Products Formed on Copper in Natural Corrosion Environments.]

*Powloki Ochr.* **2** 3 (1974) 21–7 [in Polish].

11. T.Biestek, **M. Dryś**,

**Produkty korozji cynku powstające w różnych środowiskach korodujących.** [Corrosion Products Formed on Metals under Various Corrosion Environments. Part I. Iron.]

*Powloki Ochr.* **2** 5 (1974) 29–36 [in Polish].

12. **E. Bodio**,

**The Exchange of Heat in Miniature Heat Exchangers of the Parkinson Type Applied in Miniature Nitrogen and Argon Liquefying Units.**

*Acta Phys. Pol.* A **45** 6 (1974) 911–3.

13. **E. Bodio**,

**Zawory regulacyjne mikroskraplarek.** [Regulating Valves in Micro-liquefiers.]

*Chłodnictwo* **9** 2 (1974) 8–10 [in Polish].

14. **E. Bodio**,

**Układ do demonstracji skraplania gazów kriogenicznych.** [A Device for Demonstration of Liquefaction of Cryogenic Gases.]

*Chłodnictwo* **9** 3 (1974) 7–8 [in Polish].

15. **E. Bodio**,

**Paramery eksploatacyjne szeregu mikroskraplarek wykonanych przez WSK we Wrocławiu.** [Exploitation Parameters of a Series of Micro-liquefiers Constructed by WSK at Wrocław.]

*Chłodnictwo* **9** 4 (1974) 15–16 [in Polish].

16. **J.Z. Damm**, **K.D. Nierzewski**,

**Radiation-Induced $Z_2 \rightarrow F$ Conversion in Electrolytically Coloured Alkaline Earth Doped KCl Crystals.**

*Bull. Acad. Polon. Sci.: Sér. sci. chim.* **22** 4 (1974) 321–4.

17. **H. Drulis**,

**Electron Spin Resonance of $Gd^{3+}$ Ions in Lanthanum and Yttrium Hydrides.**

*Arch. Sci. (Genéve)* **27**$_{2/3}$ (1974) 243–8.
*Int.Conf.on EPR of Magnetic Ions in Metals,* VALAIS, CH, 1973.09 03–05

18. J.Dzięgielewski, **J. Hanuza**, **B. Jeżowska-Trzebiatowska**,

**IR Spectra and Structure of Some Penicillin Derivatives. IV. Debecillin.**

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19. **Z.M. Galasiewicz**,

**"Sources of Particles" in the Hamiltonian Describing a Superfluid. I. Examination of the Real Part of the Sources.**

*Bull. Acad. Polon. Sci.: Sér.sci.math.astr.phys.* **22** 2 (1974) 189–95.
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**'Sources of Particles' in the Hamiltonian Describing a Superfluid. II. Density of Condensate – Density of Particles Dependence.**

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22. **Z.M. Galasiewicz**,

**Microscopic Theory of Superfluid $^3$He – Superfluid $^4$He Solutions. I. Derivation of Hydrodynamic Equations.**

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**Microscopic Theory of Superfluid $^3$He – Superfluid $^4$He Solutions. II. Acoustical Approximation. Propagation of Sounds.**

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24. T.Gibiński, E.Cisowska, W.Żdanowicz, **Z. Henkie**, **A. Wojakowski**,

**The Preparation and Crystal Structure of $MgP_4$.**

*Krist. Technik* **9** 2 (1974) 161–3. [DOI]

25. **A. Grohman**,

**Plastykowe probówki i pojemniki do ciekłego azotu stosowane w kriobiologii.**
[Plastic Vials and Containers for Liquid Nitrogen in Cryobiology.]

*Probl. Techniki Medycznej* **5** ? (1974) 267–72 [in Polish].

26. **A. Grohman**,

**Giętkie przewody ze spienionego polistyrenu dla szerokiego zakresu temperatur.**
[Foamy Polystyrene Elastic Insulation Tubes for a Broad Range of Temperatures.]

*Probl. Techniki Medycznej* **5** ? (1974) 273–6 [in Polish].

27. **J. Hanuza**, **B. Jeżowska-Trzebiatowska**, **Cz. Jańczak**,

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*Acta Phys. Pol.* A **45** 6 (1974) 885–99.

28. **K. Hejnowicz**, **B. Makiej**,

**The Longitudinal Component of the Magnetic Induction in the Intermediate State Induced by the Electrical Current.**

*Acta Phys. Pol.* A **46** 1 (1974) 91–5.

29. **B. Jeżowska-Trzebiatowska**, **A. Antonów**, H.Kozłowski,

**Electronic and Molecular Structures of Copper(II) Complex with Amino Acids and Peptides. I. ESR Spectra of Copper(II) Complex with Amino Acids and Polypeptides in Frozen Ethylene Glycol Solutions.**

*Bull. Acad. Polon. Sci.: Sér. sci. chim.* **22** 5 (1974) 399–408. For II. see: *ibid.*, pp. 409–13 (foll. paper).

30. **B. Jeżowska-Trzebiatowska**, **A. Antonów**,

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32. **B. Jeżowska-Trzebiatowska**, **A. Antonów**,

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*Bull. Acad. Polon. Sci.: Sér. sci. chim.* **22** 6 (1974) 489–97.
For III. see: *ibid.*, **22** 5 (1974) 415–20. for V. see: *ibid.*, pp. 499–504 (foll. paper).

33. **B. Jeżowska-Trzebiatowska**, **A. Antonów**, H.Kozłowski,

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**ESR and Magnetic Properties Studies on the Iron Glutathione Complex and on the Mixed Complex with Glutathione and 2, 2′-Bipyridyl as Ligands.**

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35. **B. Jeżowska-Trzebiatowska**, **A. Antonów**, H.Kozłowski, T.Cukierda,

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36. **B. Jeżowska-Trzebiatowska**, J.Dzięgielewski, **J. Hanuza**, J.Kuduk-Jaworska,

**IR Studies and Structural Consideration of the Viomycin Sulphate in Solid State.**

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37. **B. Jeżowska-Trzebiatowska**, **C.K. Jańczak**, **J. Mulak**,

**Magnetic and Spectroscopic Properties of Uranium(IV) Acetate.**

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38. **B. Jeżowska-Trzebiatowska**, H.Kozłowski, **A. Antonów**,

**ESR Studies of the Cu(II) Complexes with Adenine.**

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39. **J. Kaleciński**,

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40. **B. Kondraciuk**, **J. Rafałowicz**,

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[Low Temperature Thermal Conductivity of Polish Stainless Steel.]

*Chłodnictwo* **9** 5 (1974) 10–1 [in Polish].

41. **G. Kontrym-Sznajd**, **E. Boroński**, M.Malcher,

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42. **G. Kozłowski**,

**Influence of the Field Direction on the Magnetic Phases of a Uniaxial Two-Sublattice Antiferromagnet. II. The Magnetic Susceptibility.**

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43. **R. Kubiak**, **K. Łukaszewicz**,

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44. **R. Kubiak**, **K. Łukaszewicz**,

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*Krist. Technik* **9** 2 (1974) K21. [DOI]

45. **R. Kubiak**, **W. Zacharko**, **K. Łukaszewicz**,

**The Phase Transition in $In_3Sn$ and Its Influence on the Superconducting Transition Temperature.**

*phys. stat. sol.* (b) **61** 1 (1974) K33–4. [DOI]

46. J.Leciejewicz, **R. Troć**, T.Palewski,

**On the Magnetic Transitions in the UP–USe System.**

*phys. stat. sol.* (b) **65** 1 (1974) K57–61. [DOI]

47. **L. Lipiński**, **A. Szmyrka**,

**Kriostat z układem stabilizacji temperatury dla zakresu 20–300 K.** [Cryostat with a Stabilization System for the Temperature Range 20–300 K.]

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48. J.Lorenc, J.Przystawa, **A. Zygmunt**,

**Magnetic Arrangement in Uranium Compounds with UGeTe-Type Crystal Structure.**

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*Acta Phys. Pol.* A **45** 5 (1974) 721–9.

50. **K. Łukaszewicz**, **J. Kalicińska-Karut**,

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*Ferroelectrics* **7** 1–4 (1974) 81–2. [DOI]

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51. **B. Makiej**,

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*Acta Phys. Pol.* A **45** 4 (1974) 633–4.

52. V.N.Medvedev, **J.Z. Damm**,

**On Optical Properties of the "450 nm" Band in $\gamma$-Irradiated LiF Crystals.**

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53. **L. Meysner**, **A. Pietraszko**, **T. Suski**,

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54. **J. Mucha**, **D. Włosewicz**, **J. Rafałowicz**,

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*Chłodnictwo* **9** 11 (1974) 7–8 [in Polish].

55. A.Murasik, J.Leciejewicz, S.Ligenza, **A. Zygmunt**,

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58. **J. Rafałowicz**,

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[Remarks on Differential, Difference, and Integral Methods of Measuring Temperature Dependence of Coefficient of Thermal Conductivity.]

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60. **J. Stępień-Damm**, **T. Suski**, **L. Meysner**, B.Hilczer, **K. Łukaszewicz**,

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*Acta Phys. Pol.* A **45**$_6$ (1974) 869–72.

63. **C. Sułkowski**, **J. Mazur**,

**Superconducting Transition Temperature of Indium–Magnesium Alloys.**

*Phys. Lett.* A **49**$_1$ (1974) 73–4. [DOI]

64. **W. Suski**, T.Palewski, T.Mydlarz,

**Magnetic Properties of the UAs–US Alloys at Low Temperatures.**

*Int. J. Magn.* **4**$_4$ (1974) 305–8.

65. **W. Suski**, **H. Reizer-Netter**,

**Magnetic Properties of Uranium Chalcogenides. I. $U_3Y_5$-Type Compounds.**

*Bull. Acad. Polon. Sci.: Sér. sci. chim.* **22**$_8$ (1974) 701–7.

66. **M. Suszyńska**,

**Stress Relaxation in NaCl and KCl Crystals.**

*Bull. Acad. Polon. Sci.: Sér. sci. techn.* **22**$_1$ (1974) 25–31.

67. **M. Suszyńska**,

**Effect of Impurity Concentration and Plastic Deformation on Dislocation Density of KCl Crystals.**

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68. **J. Sznajd**,

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69. **J. Sznajd**, **J. Klamut**,

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70. **A. Szprynger**,

**Remark on the Expression for the Energy Current in He-II–$^3$He Mixtures.**

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73. **A. Szprynger**,

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80. **A. Zygmunt**, S.Ligenza, H.Ptasiewicz-Bąk, J.Leciejewicz,

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