Instytut Niskich Temperatur
i Badań Strukturalnych PAN

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LISTA PUBLIKACJI 1984
LIST of PUBLICATIONS

KSIĄŻKI, MONOGRAFIE i ARTYKUŁY PRZEGLĄDOWE
Books, Monographs & Reviews

1. В.Ы.Беляцкий, Е.С.Шпиро, О.П.Ткаченко, **J. Rudny**, Х.М.Миначев,

   Электронное состояние металлов в биметалических Ru − Co катализаторах и их каталитические свойства в отношении реакции $CO + H_2$. [Electron States in Metals in Bimetallic Catalysts Ru–Co and Their Catalytic Properties in Water-Gas Reaction.]

   In: *Химический синтез на основе одноуглеродных молекул [Chemical Synthesis Based on Monocarbide Molecules]* ed. by *** (Moskva: Nauka 1984) pp. 27–28 [in Russian].

2. **O.J. Żogał**,

   Magnetyczny rezonans jądrowy jąder ciężkich pierwiastków. [NMR of Heavy Elements Nuclei.]

   In: *Postępy w zastosowaniach technik rezonansowych w chemii [Advances in Resonance Techniques Applications in Chemistry]* ed. by L.Sobczyk (Warszawa: PWN 1984) pp. 81–97 [in Polish].

ARTYKUŁY W CZASOPISMACH NAUKOWYCH
Articles in Scientific Journals

3. C.Amoretti, A.Blaise, J.M.Collard, R.O.A.Hall, M.J.Mortimer, **R. Troć**,

   Heat Capacity and Crystal-Field Model for the Uranium and Thorium Oxychalcogenides $AnOY$ (An = Th, U; Y = S, Se).

   J. Magn. Magn. Mater. **46** $_{1/2}$ (1984) 57–67. [DOI]

4. G.Amoretti, A.Blaise, **J. Mulak**,

   Crystal Field Interpretation of the Magnetic Properties of UX_2 Compounds (X = P, As, Sb, Bi).

   J. Magn. Magn. Mater. **42** $_1$ (1984) 65–72. [DOI]

5. **A. Baran**, **W. Suski**, T.Mydlarz,

   Crystal Structure and Magnetic Properties of UFe_nAl_{12-n} ($n = 3, 4, 5$ or 6) Intermetallic Compounds.

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6. **A. Baran**, **W. Suski**, T.Mydlarz,

   Crystal Structure and Magnetic Properties of UFe_4Al_8.

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7. A.Blaise, J.M.Collard, J.M.Fournier, J.P.Charvillat, **A. Wojakowski**,

   Propriétés magnétiques de NpSbTe et NpAsTe. [Magnetic Properties of NpSbTe and NpAsTe.]

   J. Physique- Lettr. **45** $_{11}$ (1984) L571–6 [in French].

8. R.Cach, **P.E. Tomaszewski**, P.Bastie, J.Bornarel,

   Phase Transitions in $LiKSO_4$ at Low Temperatures.

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   5th Eur.Meet.on Ferroelectricity, BENALMADENA (Malaga) ES, 1983.09 26–30

9. **M. Ciszek**,

   ac Losses of Nb–Ti Alloys in ac and dc Magnetic Fields. Part I. Experimental Results.

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10. **A. Czopnik**, **N. Iliev**, **Z. Kletowski**, **B. Staliński**, C.Bazan, H.Mädge, R.Pott, P.Weidner,

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    Magnetic Properties and Electron Paramagnetic Resonance Studies of the $GdXAlH_x$ (X = Fe, Ni) Hydrides.

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    The Painlevé Ping-Pong P IV.

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15. **K. Durczewski**, **A.E. Szukiel**,

    The de Gennes–Friedel and Balberg Approaches to the Theory of Transport Coefficients in Ferromagnetic f-Electron Systems: A Comparison and Comments.

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17. **Z.M. Galasiewicz**,

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18. Z.Gałdecki, P.Grochulski, Z.Wawrzak, **J. Stępień-Damm**,

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26. **R. Horyń**,

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2. S.Åsbrink, **M. Wołcyrz**,

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3. S.Åsbrink, **M. Wołcyrz**,

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4. **A. Baran**, **W. Suski**, T.Mydlarz,

   Magnetic Properties of the UFe_nAl_{12-n} ($n = 4, 5$ or 6) and $ThFe_4Al_8$ Intermetallic Compounds. (C)

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6. **K. Bartkowski**, **J. Rafałowicz**, W.Żdanowicz,

   Badanie zjawisk transportu wybranych monokryształów związków grupy $A^{II}B^{V}$. [Investigation of Transport Phenomena in Selected Single Crystals of Type-$A^{II}B^{V}$ Compounds.] (P)

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7. **A. Czopnik**, **N. Iliew**, **Z. Kletowski**, **B. Staliński**, C.Bazan, H.Mädge, R.Pott, P.Weidner,

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12. **K. Durczewski**, **A.E. Szukiel**,

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17. B.Głowacki, **M. Horobiowski**,

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57. **A. Pietraszko**,

Thermal Expansion in $MeLiSO_4$, where Me = Rb, NH_4, Cs. (C)

13th Congr.& Gen.Assy of the Int. Union of Crystallography, Hamburg, DE, 1984.08 09–18

58. **K. Rogacki**, M.Kubota, E.G.Syskakis, R.M.Mller, F.Pobell,

Well Characterized Sintered Material Formed from Submicron Cu Powder for Low Temperature Heat Exchanger. (P)

17th Int.Conf.on Low Temperature Physics, Karlsruhe, DE, 1984.08 15–22

59. **A. Rojek**, **C. Sułkowski**, **A. Zygmunt**,

Magnetic and Electric Properties of $GdRhSn_4$ Compound. (C)

IV Og.-Pol.Konf.: Fizyka Magnetyków [4th Polish Conf.on Physics of Magnetics] Poznań, PL, 1984.06 26–28

60. **A. Rojek**, **C. Sułkowski**, **A. Zygmunt**, **G. Kozłowski**,

Electrical Resistivity and Susceptibility of $GdRh_{1.1}Sn4.2$ Compound. (P)

17th Int.Conf.on Low Temperature Physics, Karlsruhe, DE, 1984.08 15–22

61. **A. Rojek**, **C. Sułkowski**, **A. Zygmunt**, **G. Kozłowski**,

Własności magnetyczne i elektryczne związków $GdRh_{1.1}Sn_{4.2}$. [Magnetic and Electric Properties of $GdRh_{1.1}Sn_{4.2}$ Compounds.] (C)

XII Og.-kraj.Semin. Kriogeniki [12th Polish Semin.on Cryogenics] Wrocław, PL, 1984.09 11–14

62. **A. Sikora**, **B. Makiej**,

Wywołanie asymetrii kierunkowej prądów krytycznych w nadprzewodnikach.
[Inducing Directional Asymmetry of Critical Currents in Superconductors.] (C)

XII Og.-kraj.Semin. Kriogeniki [12th Polish Semin.on Cryogenics] Wrocław, PL, 1984.09 11–14

63. **J. Stępień-Damm**, **A. Baran**, **W. Suski**,

Crystal Structure of the Uranium Ternary Compound UFe_4Al_3. (P)

XXVII Konwers. Krystalograficzne [27th Polish Crystallographic Meeting] Wrocław, PL, 1984.06 19–20

64. W.Steurer, H.Wittmann, H.Jagodziński, **A. Pietraszko**,

Crystal Structure of the Phase IV of $RbLiSo_4$. (P?)

13th Congr.& Gen.Assy of the Int. Union of Crystallography, Hamburg, DE, 1984.08 09–18

65. **W. Stręk**,

Novel Mechanism for Energy Transfer between Rare Earth Ions. (C)

7th Int.Conf.on Luminescence (ICL'84) Madison, WI, US, 1984.08 13–17

66. **W. Suski**,

Structure, Magnetic and Related Properties of Ternary $BaAl_4$ and $ThMn_{12}$- Type Compounds. (I)

EPS Top.Conf.on Electronic Structure and Properties of Rare Earth and Actinide Intermetallics, St Pölten, AT, 1984.09 03–06

67. **C. Szafrański**, **W. Stręk**, **B. Jeżowska-Trzebiatowska**,

Fluorescence Properties of $(Ho, La)P_5O_{14}$. (C)

7th Int.Conf.on Luminescence (ICL'84) Madison, WI, US, 1984.08 13–17

68. A.Szewczyk, R.Szymczak, **Z. Henkie**,

Domain Structure on U_3P_4 Single Crystals at Low Temperature. (C)

EPS Top.Conf.on Electronic Structure and Properties of Rare Earth and Actinide Intermetallics, St Pölten, AT, 1984.09 03–06

69. A.Szewczyk, R.Szymczak, K.Piotrowski, **Z. Henkie**,

Badania struktury domenowej metoda kriokondensacji paramagnetycznych gazów.
[Investigation of Domain Structure by Cryocondensation of Paramagnetic Gases.] (C)

XII Og.-kraj.Semin. Kriogeniki [12th Polish Semin.on Cryogenics] Wrocław, PL, 1984.09 11–14

70. **A. Szmyrka-Grzebyk**, **L. Lipiński**,

Powtarzalność wskazań termometrów platynowych OTP-11 w temperaturze 0° C.
[Repeatability of Platinum [Resistance] Thermometers Indication at 0° C.] (C)

XII Og.-kraj.Semin. Kriogeniki [12th Polish Semin.on Cryogenics] Wrocław, PL, 1984.09 11–14

71. **P. Tekiel**,

Nonhomogeneous Mixed State in Type-II Superconductors. (P)

17th Int.Conf.on Low Temperature Physics, Karlsruhe, DE, 1984.08 15–22

72. P.G.Thérond, A.Blaise, J.M.Fournier, J.Chiapusio, J.P.Charvillat, **A. Wojakowski**,

Electrical Resistivity of $NpAs_2$ Single Crystal. (C)

EPS Top.Conf.on Electronic Structure and Properties of Rare Earth and Actinide Intermetallics, St Pölten, AT, 1984.09 03–06

73. **P.E. Tomaszewski**,

Położenia czworościanów BX_4 w kryształach typu A_2BX_4 i $A'A''BX_4$.
[Positions of BX_4 Tetrahedra in Crystals of A_2BX_4 and $A'A''BX_4$ Structure Type.] (P)

XXVII Konwers. Krystalograficzne [27th Polish Crystallographic Meeting] Wrocław, PL, 1984.06 19–20

74. **E. Trojnar**,

Techniczne zastosowania nadprzewodnictwa. [Technological Applications of Superconductivity.] (L)

XII Og.-kraj.Semin. Kriogeniki [12th Polish Semin.on Cryogenics] Wrocław, PL, 1984.09 11–14

75. **R. Wawryk**, **J. Rafałowicz**,

Thermal Conductivity of Coated Microspheres. (C)

10th Int.Conf.on Cryogenic Engineering, Helsinki, SF, 1984.07 31 –.08 03

76. **R. Wawryk**, **J. Rafałowicz**,

Przewodnictwo cieplne metalizowanych mikrosfer. [Thermal Conductivity of Metallized Microspheres.] (P)

XII Og.-kraj.Semin. Kriogeniki [12th Polish Semin.on Cryogenics] Wrocław, PL, 1984.09 11–14

77. **R. Wawryk**, **J. Rafałowicz**,

Gradient temperatury i ciśnienia wewn/trz warstwy izolacji mikrosferycznej.
[Temperature and Pressure Gradient in a Layer of Microsphere Insulation.] (P)

XII Og.-kraj.Semin. Kriogeniki [12th Polish Semin.on Cryogenics] Wrocław, PL, 1984.09 11–14

78. **D. Włosewicz**, **J. Rafałowicz**,

Kriostat do badań przewodnictwa cieplnego w polu magnetycznym.
[Cryostat for Thermal Conductivity Investigation in Magnetic Field.] (P)

XII Og.-kraj.Semin. Kriogeniki [12th Polish Semin.on Cryogenics] Wrocław, PL, 1984.09 11–14

79. **J.J. Wnuk**,

Sum Rules for Electron Self-Energy Function in Superconductor. (P)

17th Int.Conf.on Low Temperature Physics, Karlsruhe, DE, 1984.08 15–22

80. **W. Zacharko**,

Anizotropia w jednoosiowym nadprzewodniku II rodzaju. [Anisotropy of a Uniaxial Type-II Superconductor.] (C)

XII Og.-kraj.Semin. Kriogeniki [12th Polish Semin.on Cryogenics] Wrocław, PL, 1984.09 11–14

81. **Z. Żołnierek**,

Crystal Field Effects in the 5f Electron Systems. (C)

IV Og.-Pol.Konf.: Fizyka Magnetyków [4th Polish Conf.on Physics of Magnetics] Poznań, PL, 1984.06 26–28

82. **R. Zossel**, **T. Tyc**,

Badanie asymetrii przepływu strumienia ciepła w niejednorodnych ciałach stałych.
[Investigation of Asymmetry of Heat Flux Flow in Non-Homogeneous Solids.] (C)

XII Og.-kraj.Semin. Kriogeniki [12th Polish Semin.on Cryogenics] Wrocław, PL, 1984.09 11–14

83. **A. Zygmunt**,

The Magnetism of the Ternary Uranium Stannides. (C)

IV Og.-Pol.Konf.: Fizyka Magnetyków [4th Polish Conf.on Physics of Magnetics] Poznań, PL, 1984.06 26–28

84. **A. Zygmunt**, A.Szytuła,

Magnetic Properties of $RETr_2Si_2$ Compounds (RE = Gd, Tb, Dy, Ho, Er; Tr = Ru, Rh, Pd, Ir). (C)

IV Og.-Pol.Konf.: Fizyka Magnetyków [4th Polish Conf.on Physics of Magnetics] Poznań, PL, 1984.06 26–28