

LISTA PUBLIKACJI 1968
LIST of PUBLICATIONS

ARTYKUŁY W CZASOPISMACH NAUKOWYCH
ARTICLES IN SCIENTIFIC JOURNALS

1. **CZ. BAZAN**,
Uzyskiwanie najniższych temperatur. [Obtaining the Lowest Temperatures.]
Post. Fizyki **19**₅ (1968) 509–38 [in Polish].
2. **M. DRYŚ, W. TRZEBIATOWSKI**,
Równowagi fazowe w układzie Y_2O_3 – Fe_2O_3 – Gd_2O_3 . [Phase Equilibria in the System Y_2O_3 – Fe_2O_3 – Gd_2O_3 .]
Roczn. Chem. **42**₂ (1968) 203–10 [in Polish].
3. L. Dubikajtis, **R.S. INGARDEN**, A. Kossakowski,
On Regularity of Information.
Bull. Acad. Polon. Sci.: Sér. sci. math. astr. phys. **16**₁ (1968) 55–6.
4. **R. FREUD, B. MAKIEJ, A. SIKORA**,
The Character of the Transition of Pure Tin to the Intermediate state under the Influence of Electric Current at Temperatures Close to T_c .
phys. stat. solidi **25**₂ (1968) K127–30. [\[DOI\]](#)
5. **R. FREUD, C. SUŁKOWSKI, B. MAKIEJ**,
Non-LONDONean Resistance Jump in Superconducting Indium.
Phys. Lett. A **27**₃ (1968) 187–8. [\[DOI\]](#)
6. **Z. GALASIEWICZ**,
Some Remarks on the Hydrodynamic Equations with Viscous Terms for the BOSE Superfluid.
Bull. Acad. Polon. Sci.: Sér. sci. math. astr. phys. **16**₉ (1968) 751–5.
7. **Z. GALASIEWICZ**,
Connections between Two-Legs and Three-Legs GREEN's Functions for the Superfluid BOSE Systems.
Bull. Acad. Polon. Sci.: Sér. sci. math. astr. phys. **16**₉ (1968) 757–63.
8. **Z. HENKIE**,
Otrzymywanie monokryształów fosforków i arsenków uranu metodą transportu chemicznego. [Growth of Monocrystals of Uranium Phosphides and Uranium Arsenides by Chemical Transport Method.]
Roczn. Chem. **42**₂ (1968) 363–7 [in Polish].
9. **J. HORN, K. ŁUKASZEWICZ**,
Struktura krystaliczna $CdAs_2$. [Crystal Structure of $CdAs_2$.]
Roczn. Chem. **42**₆ (1968) 993–9 [in Polish].
10. **R.S. INGARDEN**,
Higher Order Temperatures and Coherence of Light.
Bull. Acad. Polon. Sci.: Sér. sci. math. astr. phys. **16**₁ (1968) 57–9.

11. **R.S. INGARDEN**,
Pojęcie temperatury i pompowanie optyczne. [The Concept of Temperature and Optical Pumping.]
Post. Fizyki **19**₁ (1968) 43–61 [in Polish].
12. **R.S. INGARDEN**, A.Kossakowski,
An Axiomatic Definition of Information in Quantum Mechanics.
Bull. Acad. Polon. Sci.: Sér. sci. math. astr. phys. **16**₁ (1968) 61–5.
13. **B. JEŻOWSKA-TRZEBIATOWSKA**, **J. HANUZA**, W.Wojciechowski, **J. NAWOJSKA**,
Spectroscopic Studies and Structural Chemistry of Cr^{III}/Cr^{VI} Compounds in the Solid State.
Inorg. Chim. Acta **2** (1968.03) 202–7. [DOI]
14. **J. KLAMUT**,
Interval of the Transition Temperatures in Uniaxial Ferromagnets.
Bull. Acad. Polon. Sci.: Sér. sci. math. astr. phys. **16**₃ (1968) 237–43.
15. **J. KLAMUT**,
Thermodynamical Properties of the Transition to Paramagnetic State of Uniaxial Ferromagnets with Domain Structure.
Bull. Acad. Polon. Sci.: Sér. sci. math. astr. phys. **16**₆ (1968) 515–21.
16. **J. KLAMUT**,
Threshold Magnetic Fields and Temperatures for Uniaxial Ferromagnets with Domain Structure.
Phys. Lett. A **28**₄ (1968) 261–2. [DOI]
17. **J. KLAMUT**, **G. KOZŁOWSKI**,
Local Transition Temperatures for Magnetic Crystals with Domain Structures.
Acta Phys. Polon. **33**₅ (1968) 743–57.
18. **J. KLAMUT**, **G. KOZŁOWSKI**,
Dependence of Inter-domain Wall Thickness on Temperature.
Phys. Lett. A **28**₄ (1968) 294–5. [DOI]
19. **J. KLAMUT**, W.Wasilewski,
Magnetization Curve of Uniaxially Deformed Ferromagnetic Mono-crystals.
Acta Phys. Polon. **33**₁ (1968) 147–50.
20. **G. KOZŁOWSKI**,
The Influence of the Domain Structure on the CURIE Temperature in Uniaxial Ferromagnets with Mono-ionic Anisotropy.
Bull. Acad. Polon. Sci.: Sér. sci. math. astr. phys. **16**₃ (1968) 245–8.
21. **H. KUBICKA**,
The Specific Activity of Technetium, Rhenium, Ruthenium, Platinum, and Palladium in Catalytic Reactions of Benzene with Hydrogen.
J. Catal. **12**₃ (1968) 223–37. [DOI]
22. J.Leciejewicz, A.Murasik, **R. TROĆ**,
The Antiferromagnetic Ordering in Uranium Monoarsenide and Monoantimonide.
phys. stat. solidi **30**₁ (1968) 157–62. [DOI]
23. **J. MAZUR**, A.Jaśkiewicz,
Temperature Hysteresis of Electric Permittivity of TGS Single Crystals.
Acta Phys. Polon. **34**₅ (1968) 859–65.
24. **J. MAZUR**, **W. ZACHARKO**,
The Low Temperature Specific Heat of Some Polish Tool Steels and Stainless Steel.
Acta Phys. Polon. **33**₄ (1968) 657–63.

25. A. MURASIK, W. SUSKI, R. TROĆ, J. LECIEJEWICZ,
The Magnetic Properties of Uranium Oxyselenide.
phys. stat. solidi **30**₁ (1968) 61–6. [\[DOI\]](#)
26. A. PIETRASZKO, K. ŁUKASZEWICZ,
Crystal Structure of β -Ni₂P₂O₇ Determined on a WEISSENBERG Goniometer with
a High-Temperature Attachment.
Bull. Ac. Pol. Sci.: Sér. sci. chim. **16**₄ (1968) 183–7.
27. W. ROMANOWSKI,
Struktura katalizatorów niklowych osadzonych na sitach molekularnych X13 i A5.
[Structure of Nickel Catalyst Supported on Molecular Sieves X13 and A5.]
Przem. Chem. **47**? (1968) 741–3 [in Polish].
28. A. SIKORA, B. MAKIEJ, E. TROJNAR,
Distribution of the Magnetic Induction in the Type II Current-Carrying Superconductor.
Phys. Lett. A **27**₃ (1968) 175–6. [\[DOI\]](#)
29. H. STACHOWIAK,
Relation between the Number of Localized d Electrons and the Atomic Magnetic Moment
of Magnetic Transition Metals.
Acta Phys. Polon. **33**₂ (1968) 335–6.
30. H. STACHOWIAK,
Quasiclassical Theory of the DE HAAS – VAN ALPHEN Effect.
Application to the Case when Magnetic Breakdown Occurs.
Acta Univ. Wratisl. Nr 80 (1968) 153–69 [*Math. Phys. Astr.* Nr ??].
3rd Winter School of Theoretical Physics, KARPACZ, PL, 1966.02 17 –.03 02
31. C. SUŁKOWSKI, J. MAZUR,
The Influence of Aluminium Admixture on the Superconducting Properties of Tin.
Acta Phys. Polon. **33**₅ (1968) 827–30.
32. J. TERPIŁOWSKI, W. TRZEBIATOWSKI,
Термодинамические характеристики интерметаллидов. [Thermodynamical Characterization
of Intermetallics.]
Ж. Физ. Хим. **62**₁₀ (1968) 2381–93 [in Russian]. Engl. in: *Sov. J. Phys. Chem.* **62**₁₀ (1968) ???–??.
33. E. TROJNAR, B. MAKIEJ, A. SIKORA,
Magnetic Properties of Superconducting Indium–Lead Alloys.
Acta Phys. Polon. **34**₂ (1968) 311–7.
34. W. TRZEBIATOWSKI, F. KRÓLICKI, W. ŻDANOWICZ,
Dilatometric Studies in the Semiconductor System Cd₃As₂–Zn₃As₂.
Bull. Ac. Pol. Sci.: Sér. sci. chim. **16**₇ (1968) 343–6.
35. W. TRZEBIATOWSKI, A. MISIUK,
Magnetic Properties of Uranium Germanides.
Roczn. Chem. **42**₁ (1968) 161–2.
36. W. TRZEBIATOWSKI, A. MISIUK,
Magnetic Properties of UP₂–UAs₂ Solid Solutions.
Roczn. Chem. **42**₁ (1968) 163–4.
37. A. WACHNIEWSKI, W. ZIĘTEK,
Remark on the (71°/180°) BLOCH Wall in Four-Axial Ferromagnets.
Acta Phys. Polon. **33**₄ (1968) 581–3.

38. **S. WĘGŁOWSKI, K. ŁUKASZEWICZ,**
Phase Transition of Cd_3As_2 and Zn_3As_2 .
Bull. Ac. Pol. Sci.: Sér. sci. chim. **16**₄ (1968) 177–82.
39. **W. Żdanowicz, A. WOJAKOWSKI,**
Własności optyczne fosforu kadmu CdP_2 . [Optical Properties of Cadmium Phosphide, CdP_2 .]
Prace Nauk. WSE (Wrocław) Nr 15 (1968) 232–?? [in Polish].
40. **W.J. ZIĘTEK,**
Remark on WALLACE's Hamiltonian Perturbation Method.
Acta Phys. Polon. **33**₃ (1968) 449–5?.

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LIST OF CONFERENCE PRESENTATIONS

1. O. Bodak, K. ŁUKASZEWICZ,
Struktury krystaliczne związków międzymetalicznych CeCoSi₃ i CeCoSi₂. [Crystal Structure of Intermetallic Compounds CeCoSi₃ and CeCoSi₂.] (C)
XIII Konwers. Rentgenograficzne [13th Polish Crystallographic Meeting] WROCLAW, PL, 1968.06 21–22
2. J.Z. DAMM, J. POŹNIAK,
Effect of Plastic Deformation on Conductance of γ -Irradiated and Non-Irradiated Potassium Chloride Crystals. (C)
Int.Symp.on Color Centres in Alkali Halides, ROMA, IT, 1968.09 23–27
3. D. GUZY, K. ŁUKASZEWICZ,
Badania rentgenograficzne przemiany fazowej w kryształach UP₂. [X-ray Investigation of Phase Transition in UP₂ Crystals.] (C)
XIII Konwers. Rentgenograficzne [13th Polish Crystallographic Meeting] WROCLAW, PL, 1968.06 21–22
4. J. HORN, K. ŁUKASZEWICZ,
Struktura krystaliczna i konfiguracja absolutna CdP₂. [Crystal Structure and Absolute Configuration of CdP₂.] (C)
XIII Konwers. Rentgenograficzne [13th Polish Crystallographic Meeting] WROCLAW, PL, 1968.06 21–22
5. R.S. INGARDEN,
Temperatury wyższych rzędów w pompowaniu optycznym. [Higher Order Temperatures in Optical Pumping.] (L)
III Og.-pol.Konf. „Radiospektroskopia i Elektronika Kwantowa” [3rd All-Polish Conf.on Radiospectroscopy and Quantum Electronics] POZNAŃ, PL, 1968.04 22–2*
6. H. KUBICKA, W. ROMANOWSKI,
Étude de la Structure des Catalyseurs Ferro- et Paramagnétiques. [Study of the Structure of Ferro- and Paramagnetic Catalysts.] (C)
1ère Colloque Franco-Polonaise sur la Catalyse, JABLONNA (Warsaw) PL, 1968.** **_**
7. J. Leciejewicz, A. Murasik, R. TROĆ,
Uporządkowanie magnetyczne w monoarsenku i monoantymonku uranu. [Magnetic Ordering in Uranium Arsenide and Antimonide.] (C)
XIII Konwers. Rentgenograficzne [13th Polish Crystallographic Meeting] WROCLAW, PL, 1968.06 21–22
8. K. ŁUKASZEWICZ,
Dyfraktometria rentgenowska monokryształów. [X-ray Diffractometry of Single Crystals.] (L)
XIII Konwers. Rentgenograficzne [13th Polish Crystallographic Meeting] WROCLAW, PL, 1968.06 21–22
9. J. MAZUR, W. ZACHARKO,
Теплоемкость цементита в температурном интервале 2–20 К. [Thermal Capacity of cementite in the Temperature Range 2–20 K.] (C)
XV Всесоюз.Совещ.по Физике Низких Температур [15th All-Union Conf.on Low Temperature Physics, NT-] TBILISI, GSSR, SU, 1968.10 07–12
10. A. Murasik, W. SUSKI, R. TROĆ, J. Leciejewicz,
Neutronograficzne badanie struktury magnetycznej UOSe. [Neutron Scattering Investigation on Magnetic Structure of UOSe.] (C)
XIII Konwers. Rentgenograficzne [13th Polish Crystallographic Meeting] WROCLAW, PL, 1968.06 21–22
11. A. PIETRASZKO, K. ŁUKASZEWICZ,
Rozszerzalność termiczna pirofosforanów magnezu, niklu, miedzi. [Thermal Expansion of Magnesium-, Nickel-, and Copper Pyrophosphates.] (C)
XIII Konwers. Rentgenograficzne [13th Polish Crystallographic Meeting] WROCLAW, PL, 1968.06 21–22

12. **J. RAFAŁOWICZ,**

Температурная зависимость коэффициента теплопроводности металлов при постоянных тепловых потоках. [Temperature Dependence of the Thermal Conductivity Coefficient of Metals at Stationary Heat Flow.] (C)

XV Всесоюз.Совещ.по Физике Низких Температур [15th All-Union Conf.on Low Temperature Physics, NT-15] TBILISI, GSSR, SU, 1968.10 07–12

13. **J. RAFAŁOWICZ,**

Stationary Equation of the Transport of Heat for the Metals in the Case of Non-Linear Temperature Distribution.

8th Int.Conf.on Thermal Conductivity, LA FAYETTE, IN, US, 1968.10 07–10

14. **H. STACHOWIAK,**

О числе локализованных α -электронов переходных металлов и его связи с магнитным моментом. [On the Number of Localized α -Electrons of Transition Metals and Its Connection with Magnetic Moment.] (C)

XV Всесоюз.Совещ.по Физике Низких Температур [15th All-Union Conf.on Low Temperature Physics, NT-15] TBILISI, GSSR, SU, 1968.10 07–12

15. **M. SUSZYŃSKA, J.Z. DAMM,**

On Decoration of Strain Bands by F-Centres in Potassium Chloride Crystals. (C)

Int.Symp.on Color Centres in Alkali Halides, ROMA, IT, 1968.09 23–27

16. **E. TROJNAR,**

Зависимость параметра κ от температуры и концентрации у сверхпроводящих сплавов Pb : In. [Dependence of κ -Parameter on Temperature and Concentration in Superconducting Alloys Pb In.] (C)

XV Всесоюз.Совещ.по Физике Низких Температур [15th All-Union Conf.on Low Temperature Physics, NT-15] TBILISI, GSSR, SU, 1968.10 07–12