

LISTA PUBLIKACJI 2025
LIST of PUBLICATIONSARTYKUŁY W CZASOPISMACH NAUKOWYCH
ARTICLES IN SCIENTIFIC JOURNALS

1. **J. BARAN**, N.A.Davydova, **M. DROZD**,
New Phase Transition of *p*-Cresol Studied by DSC Analysis and FT-IR Spectroscopy.
Spectrochim. Acta A **326** (2025) # 125 252 (??). [\[DOI\]](#)
 2. **J. BARAN**, **M. DROZD**, **T. GAVRILKO**, **M. TRZEBIATOWSKA**,
The Analysis of Sarcosine Phosphate Single Crystal Based on Polarized IR and RAMAN Spectra.
J. Mol. Struct. **1319** (2025) # 139 635 (8). [\[DOI\]](#)
 3. S.A.Kalyan, S.Elangovan, K.Sukumar, R.Kanagathara, **J. JANCZAK**, R.G.S.Rao,
M.K. MARCHEWKA,
Supramolecular Structure, DFT Calculation and Vibrational Characterization of Melamin-1-ium Oxalurate Monohydrate.
J. Mol. Struct. **1321** (2025) # 140 132 (14). [\[DOI\]](#)
 4. **N. MINIAJLUK-GAWEL**, **B. BONDZIOR**, **A. CHUDZYŃSKA**, **P.J. DEREŃ**,
Application of an Aerodynamic Levitation Method to Obtain $\text{LaAlO}_3 : \text{Nd}^{3+}$ Glass Ceramics.
J. Alloy. Compd. **1010** (2025) # 177 088 (8). [\[DOI\]](#)
 5. E.Mohanapriya, **J. JANCZAK**, A.M.Al-Mohaimed, W.A.Al-Onazi, R.Kanagathara,
M.K. MARCHEWKA,
Structure, Vibrational Characterization and SHG of the Recrystallization Product of L-Phenylalanine from Aqueous HCl Solution.
J. Mol. Struct. **1319**, Pt 2 (2025) # 139 532 (15). [\[DOI\]](#)
 6. **W.M. PIOTROWSKI**, **D. SZYMAŃSKI**, M.Crozzolin, M.Back, **Ł. MARCINIAK**,
Improving the Luminescent Properties of Fe^{3+} in CaAl_4O_7 by Co-doping with Bi^{3+} Ions.
Mater. Res. Bull. **181** (2025) # 113 081 (7). [\[DOI\]](#)
 7. **N. REBROVA**, A.Grippa, **P. ZDEB**, **P.J. DEREŃ**,
Blue to UV Up-conversion Properties of Pr^{3+} Doped ACaF_3 ($A = \text{K, Rb, Cs}$) Phosphors.
Scr. Mater. **255** (2025) # 116 395 (5). [\[DOI\]](#)
 8. **K. WITKOWSKI**, T.Grzebyk,
Neural Network-Assisted Emission Spectra Analysis of Gases Using MEMS Sensor : Predicting Chemical Composition and Pressure.
Measurement **240** (2025) # 115 579 (6). [\[DOI\]](#)
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- **J. ĆWIK, YU.KOSHKID'KO, K.Shinde, J.Park, N.A.de Oliveira, M. BABIŃ, A.Czernuszewicz,**
Magnetic and Magnetocaloric Properties of Dy_{1-x}Er_xNi₂ Solid Solutions and Their Promise for Hydrogen Liquefaction.
J. Mater. Chem. C **12**? (2025) in print. [\[DOI\]](#)
- **N.S.Dhami, V.Balédent, I.Batistić, O. BEDNARCHUK, D. KACZOROWSKI, J.P.Itié, S.R.Shieh, C.M.N.Kumar, Y.Utsumi,**
Synchrotron X-ray Diffraction and DFT Study of Non-centrosymmetric EuRhGe₃ under High Pressure.
High Press. Res. **45**? (2025) in print. [\[DOI\]](#)
- **Ł.Janicki, S.Gorantla, E. PISKORSKA-HOMMEL, D. HOMMEL R.Kudrawiec,**
Dodecagonal GaN Microrods: Chemical Stability of a-, m-, and c-Plane Walls and Their Application to Water-Splitting.
Adv. Mater. Interf. **11**?? (2025) in print. [\[DOI\]](#)
- **Xiang Li, Chen Hu, Qiang Liu, D. HRENIAK, Jiang Li,**
Fluoride Transparent Ceramics for Solid-State Lasers: A Review.
J. Adv. Ceram. **13**?? (2025) in print. [\[DOI\]](#)
- **Xiao Li, LiXuan Zhang, DanYang Zhu, JunLin Wu, Chen Hu, TingSong Li, LeXiang Wu, D. HRENIAK, Jiang Li,**
Influence of Germanium Concentration on the Microstructure and Optical Transparency of Terbium Gallium Garnet Ceramics.
J. Am. Ceram. Soc. **108**?? (2025) in print. [\[DOI\]](#)
- **M. MAĆZKA, J.K.Zaręba, A.Nowok, N.Sokołowski, A.Sieradzki, A.GĄGOR, M. PTAŃ,**
Two-Dimensional Lead Iodide Perovskites with Extremely Reduced Dielectric Confinement: Embedded Self-Erasing Second-Harmonic Generation Switching, Thermochromism, and Photoluminescence.
Chem. Mater. **37**?? (2025) in print. [\[DOI\]](#)

(6)

[†]Wymieniono artykuły ze znanym DOI.

[‡]Listed are the articles with DOI known.