

Oleksandr Cherniushok

Lista Publikacji

1. Cherniushok, O., Cardoso-Gil, R., Parashchuk, T., Grin, Y., & Wojciechowski, K. T. (2021). Phase Equilibria and Thermoelectric Properties in the Pb-Ga-Te System in the Vicinity of the PbGa₆Te₁₀ Phase. *Inorganic Chemistry*, 60(4), 2771–2782.
2. Cherniushok, O., Parashchuk, T., Tobola, J., Luu, S. D. N., Pogodin, A., Kokhan, O., Studenyak, I., Barchiy, I., Piasecki, M., & Wojciechowski, K. T. (2021). Entropy-Induced Multivalley Band Structures Improve Thermoelectric Performance in p-Cu₇P(SxSe_{1-x})₆ Argyrodites. *ACS Applied Materials and Interfaces*, 13(33), 39606–39620.
3. Cherniushok, O., Cardoso-Gil, R., Parashchuk, T., Knura, R., Grin, Y., & Wojciechowski, K. T. (2022). Lone-Pair-Like Interaction and Bonding Inhomogeneity Induce Ultralow Lattice Thermal Conductivity in Filled β-Manganese-Type Phases. *Chemistry of Materials*, 34(14), 6389–6401.
4. Cherniushok, O., Smitiukh, O. V., Tobola, J., Knura, R., Marchuk, O. V., Parashchuk, T., & Wojciechowski, K. T. (2022). Crystal Structure and Thermoelectric Properties of Novel Quaternary Cu₂MHf₃S₈ (M=Mn, Fe, Co, and Ni) Thiospinels with Low Thermal Conductivity. *Chemistry of Materials*, 34(5), 2146–2160.
5. Parashchuk, T., Knura, R., Cherniushok, O., & Wojciechowski, K. T. (2022). Ultralow Lattice Thermal Conductivity and Improved Thermoelectric Performance in Cl-Doped Bi₂Te_{3-x}Sex Alloys. *ACS Applied Materials & Interfaces*, 14(29), 33567–33579.