Katarzyna Fedoruk-Piskorska

Lista Publikacji

1. Katarzyna Fedoruk-Piskorska, Jan K. Zaręba, Szymon J. Zelewski, Anna Gągor, Mirosław Mączka, Sławomir Drobczyński, Adam Sieradzki: Three-state dielectric switching within a narrow temperature range in Isopropylammonium lead iodide, a one-dimensional perovskite with polar phase. ACS Applied Materials and Interfaces. 2024

2. Katarzyna Fedoruk, Dawid Drozdowski, Mirosław Mączka, Jan K. Zaręba, Dagmara Stefańska, Anna Gągor, Adam Sieradzki: [Methylhydrazinium]2PbCl4, a two-dimensional perovskite with polar and modulated phases. Inorganic Chemistry. 2022

3. Katarzyna Fedoruk, Szymon J. Zelewski, Jan K. Zaręba, Maciej Ptak, Mirosław Mączka, Adam Sieradzki: Getting the details right: optical, dielectric, and vibrational outcomes of structural phase transition in one-dimensional pyrrolidinium lead iodide and the role of defects . Journal of Materials Chemistry. C. 2022,

4. Mirosław Mączka, Jan K. Zaręba, Anna Gągor, Dagmara Stefańska, Maciej Ptak, Krystian Roleder, Dariusz Kajewski, Andrzej Soszyński, Katarzyna Fedoruk, Adam Sieradzki: [Methylhydrazinium]2PbBr4, a ferroelectric hybrid organic-inorganic perovskite with multiple nonlinear optical outputs. Chemistry of Materials. 2021

5. Mączka, M., Zaręba, J. K., Gągor, A., Fedoruk-Piskorska, K., Stefańska, D., Drozdowski, D., Ptak, M., Sieradzki, A. (2024). Multi-Noncentrosymmetric Polar Order in 2D Hybrid Lead Chloride with Broadband Emission and High-Temperature Second-Harmonic Generation Switching. ACS Applied Materials & Interfaces