

1. Processing and Anion Exchange for Heterostructured CsPb(Br_{1-x}Cl_x)₃ Perovskite Nanowires

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2. Experimentally observed defect tolerance in the electronic structure of lead bromide perovskites

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3. Ion modulated radical doping of spiro-OMeTAD towards efficient and stable perovskite solar cells

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4. Stable pure-red CsPbI₃ nanoplatelets enabled by accelerated crystallization in ambient-condition synthesis

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5. The influence of ion migration on carrier distribution in perovskite LED

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6. Photo-generated Charge Trapping in Phase Segregated Halide Perovskites- A Comprehensive Approach towards Efficient Photo-rechargeable Ion Capacitors

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7. Effect of Bi doping on optoelectronic properties of MAPbBr₃ single crystals

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8. Single-crystalline Perovskite Nanowire Arrays for High Spatial Resolution X-ray Imaging

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9. Multi-stage phase-segregation of mixed halide perovskites under illumination

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10. Mixed-Ionic Electronic Conduction in Halide-Perovskites Allows Electroluminescent Photodetection and Light-Enhanced Electroluminescence Phenomena

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This work was supported by the Ministry of Science and Higher Education of the Russian Federation (Agreement No. 075-15-2021-589)

11. From connected to isolated perovskite QDs: How to model trap filling, transport and emission of charge carriers in interconnected perovskite nanocrystal arrays

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12. Influence of Metastable traps in photoluminescence quenching of MAPbI₃ Perovskites: From Isolated Nanocrystals to Interconnected Grains

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13. Pseudo-correlation clustering (PCoClust) identifies individual grain fluorescence blinking characteristic times in high-quality semiconductor films

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14. Photoluminescence Quantum Yield (PLQY) mapping - a road to perovskite fingerprinting?

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15. Combining two-photon photoemission and transient absorption spectroscopy to resolve hot carrier cooling in 2D perovskite single crystals: the effect of surface layer

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16. Solution Processing of Hybrid Energy Materials and Devices

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17. Combinatorial Slot-Die Coating of Metal Halide Perovskite solar cells

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