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Կոնդենսացված վիճակի ֆիզիկայի կենտրոն
Պինդ մարմնի ֆիզիկայի լաբորատորիա
Leading Researcher

Research Institute of Physics
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Publications

Article

Investigations of the Structure and Morphology of CsPbBr3 Films Deposited by Vacuum Thermal Evaporation [Исследования структуры и морфологии пленок CsPbBr3, осажденных методом вакуумного термического испарения]

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Journal of Contemporary Physics (Armenian Academy of Sciences) 2025 202-209

Article

Investigation of structural and optical properties of CsPbBr3 films synthesized by single-source vacuum evaporation method

Valeri Harutyunyan, Lenrik Matevosyan, Vahram Mkrtchyan, Gayane Pluzyan, Sargis Petrosyan,

Anna Tokmajyan

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Article

Residual stress on ettringite crystals in mature Type K shrinkage-compensating cement pastes

Valeri S. Harutyunyan, Ashot P. Aivazyan, Vahram P. Mkrtchyan, Paulo J.M. Monteiro,

Ana Paula Kirchheim, Sebastian Prinz

Construction and Building Materials 2023 132892

Article

XRD and combined SEM-EDS analysis of long-term hydration products of ye’elimite

Valeri S. Harutyunyan

Materials Chemistry and Physics 2022 125373

Article

Analysis of hydration products, hydration degree, and CO2 capture in “ye'elimite –H2O” system by X-ray diffraction, combined SEM-EDS, and FTIR techniques

Valeri S. Harutyunyan

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Article

Electro Spark Synthesis of α-WC Powder and Study of Its Phase Transformations upon Annealing

V. S. Harutyunyan, L. A. Petrosyan, A. V. Aganyan, A. N. Avagyan, A. K. Kostanyan, S. G. Manukyan

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Article

The Madelung constant and bonding angle as “sensors” of the high-pressure induced amorphization and first-order isostructural phase transition in Mg(OH)2 and Ca(OH)2

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Article

Anomalous behavior of the Madelung constant and I–Fe–I bonding angle at high-pressure induced structural phase transition of FeI2

V.S. Harutyunyan

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V S Harutyunyan

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