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Publications

Article

In situ microstructural and electrical characterizations of liquid metal stretchable conductors
Souren Grigorian, Dmitriy Ksenzov, Tigran Ghukasyan, Arshak L. Vartanian

Materials Today Communications 2025 114317

Article

Comparative study on polaronic quantum confinement effects in wurtzite ZnO and GaN nanowires under external fields
Anna Asatryan, Arshak Vartanian, Serob Hayrapetyan, Tigran Ghukasyan, Artak Avetisyan, Ya-Hong Xie

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Simultaneous effects of the confinement of polar optical phonons and spin-orbit coupling on the free carrier absorption of a nanowire
A.L. Vartanian, T.K. Ghukasyan, A.L. Asatryan, K.A. Vardanyan, A.A. Kirakosyan

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Article

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Ghukasyan T. K., Asatryan A.L., Vardanyan K.A., Kirakosyan A.A., Vartanian A.L.

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Polaronic effects on the impurity-related linear and nonlinear optical properties in a nanowire with magnetic field
Arshak L. Vartanian, Tigran K. Ghukasyan

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