

Institute of Physics

Chair of Solid State Physics

Lecturer on an hourly basis

Publications

Article

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

Micro and Nanostructures (Previously known as Superlattices and Microstructures) 2022 207287

Article

Polaronic effects on the electron Raman scattering in a spherical anisotropic quantum dot

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

Armenian Journal of Physics 2022 175-181

Article

Polaronic effects on the impurity-related linear and nonlinear optical properties in a nanowire with magnetic field

Arshak L. Vartanian, Tigran K. Ghukasyan

Micro and Nanostructures (Previously known as Superlattices and Microstructures) 2020 106339(1-13)

Conference

Phonon-Assisted Optical Absorption for Nanowires with Spin-Orbit Coupling

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