Արշակ Լյուդվիգի Վարդանյան

Ֆիզիկայի ինստիտուտ
Կոնդենսացված վիճակի ֆիզիկայի ամբիոն
Ամբիոնի վարիչ (պրոֆեսոր)

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Կենտրոնի ղեկավար

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Հրապարակումներ

Հոդված
Exciton-optical phonon coupling in non-spherical quantum dots: A resonant Raman study of InP/ZnSe nanocrystals
A.L. Vartanian, A.L. Asatryan, A.H. Movsisyan, L.A. Vardanyan, N. Del Fatti, F. Valle´e
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Հոդված
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Arshak L. Vartanian
ACS Applied Electronic Materials 2025 6348 - 6355

Հոդված
Coherent Control of a Shallow Impurity Quantum States in Graphene Monolayer by Bichromatic Phase Modulated Laser Pulses: Influence of Relaxation Processes[Когерентное управление квантовыми состояниями мелкой примеси в монослое графена с помощью фазомод...
A.A. Avetisyan, A.P. Djotyan, G.P. Djotyan, A.L.Vartanian, A.L. Asatryan
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Հոդված
In situ microstructural and electrical characterizations of liquid metal stretchable conductors
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Anna Asatryan, Arshak Vartanian, Serob Hayrapetyan, Tigran Ghukasyan, Artak Avetisyan, Ya-Hong Xie

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Impact of Rashba Spin-Orbit Interaction on Electron Mobility in GaN Nanowires due to Scattering by Acoustic Phonons [Влияние спин-орбитального взаимодействия Рашбы на подвижность электронов в нанопроволоках GaN прирассеянии на акустических фононах]

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First-order Raman spectra induced by the Fröhlich excition-lattice interaction in a non-spherical core/shell nanocrystals

Anna Asatryan, Ashot Movsisyan, Siranush Avetisyan, Tatevik Hayriyan, Arshak Vartanian

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Exciton Resonant Raman Scattering in Colloidal Quantum Dots: The Role of the Frohlich-Type Interaction

A. Asatryan, A. Movsisyan, L. Vardanyan, A. Vartanian

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Intermediate Coupling Theory of the Dirac Fermions with Plasmon-Surface Polar Optical Phonon Excitations in the Monolayer Graphene on Polar Substrate

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Effect of spin–orbit coupling on the hot-electron energy relaxation in nanowires
A. L. Vartanian, A. L. Asatryan, A. G. Stepanyan, K. A. Vardanyan, A. A. Kirakosyan

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