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📖 Публикации

Статья

Effect of two-dimensional non-local screening on characteristics of transition metal dichalcogenide monolayers

Vram Mughnetsyan, Aram Manaselyan, Ashot Movsisyan, Albert Kirakosyan

Semiconductor Science and Technology 2024 045016

Статья

Planar quantum dots: Theoretical approaches

Aram Manaselyan, Vram Mughnetsyan, Albert Kirakosyan

Encyclopedia of Condensed Matter Physics (Second Edition) 2024 297-307

Статья

Hofstadter-like spectrum and magnetization of artificial graphene constructed with cylindrical and elliptical quantum dots

Maryam Mansoury, Vram Mughnetsyan, Aram Manaselyan, Albert Kirakosyan, Vidar Gudmundsson,

Vigen Aziz-Aghchegala

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Статья

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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Signature of miniband nodes in magneto-optical properties of one-dimensional superlattice of planar quantum rings

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Статья

Electron-hole interaction in cylindrical quantum dots

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Статья

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Образовательный Руководство

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Արթուր Կիրակոսյան, Արշակ Վարդանյան, Աննա Ասատրյան, Արամ Մանասեյան,

Վալերի Հարությունյան

2021 190

Статья

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Vram Mughnetsyan, Ara Atayan, Albert Kirakosyan, Vigen Aziz-Aghchegala

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Статья

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Статья

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Статья

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Образовательный Руководство

Ատոմի ֆիզիկա

Արթուր Շիրակոսյան

2019 224

Статья

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Статья

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Статья

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Статья

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Статья

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Ա.Ա. Կիրակոսյան

2015 288

Монография

Պինդ մարմնի ֆիզիկայի ներածություն, Մաս II

Ա.Ա. Կիրակոսյան

2015 364

Образовательный Руководство

Պինդ մարմնի ֆիզիկայի խնդիրներ, Մաս I

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2015 154

Статья

Потенциал точечного заряда в полупроводниковой гетероструктуре с цилиндрической симметрией

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Конференция

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Конференция

Spin-orbit interaction enhanced polaron effect in wurtzite semiconductor quantum well.

M.A. Yeranosyan, K.A. Vardanyan, A.L. Vartanian, A.A. Kirakosyan

Конференция

Spin Relaxation in the Presence of Spin-Orbit Interactions in Single Electron Quantum Dots Embedded in a Suspended Phonon Cavity

A.L. Vartanian, K.A. Vardanyan, A.A. Kirakosyan

Конференция

Elastic Strain Distribution in one layer InAs/GaAs Quantum Ring Superlattice.

V.N. Mughnetsyan, A.A. Kirakosyan

Конференция

The influence of electric field on the quasi-confined and interface polaron basic parameters in a wurtzite nitride quantum wire.

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

Конференция

Effect of Rashba and Dresselhaus spin-orbit interactions on the polaron properties in wurtzite semiconductor quantum dot in the presence of external fields.

M.A. Yerosyan, K.A. Vardanyan, A.L. Vartanian, A.A. Kirakosyan

Конференция

Confined acoustic phonon-mediated spin relaxation in a two-dimensional quantum dot in the presence of perpendicular magnetic field.

K.A. Vardanyan, A.L. Vartanian, A.A. Kirakosyan

Конференция

Electron capture processes in quantum dots due to one- and two-phonon assisted transitions: The role of optical phonon confinement.

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Конференция

Dilatational and flexural acoustic-phonon mediated spin relaxation in a two-dimensional quantum dot in the presence of perpendicular magnetic field.

Arshak Vartanian, Karen Vardanyan, Armen Stepanyan, Albert Kirakosyan

Конференция

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Конференция

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K. Vardanyan, Y. Brsoyan, A. Vartanian, A. Kirakosyan

Конференция

Influence of Phonon Confinement on Optical Phonon-Mediated Carrier Capture into CdSe/ZnS/H₂O Quantum Dots

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Конференция

Quasi-one-dimensional Fröhlich polaron with spin-orbit Rashba and Dresselhaus couplings

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Конференция

The influence of the transverse electric field on the hot electron energy loss rate via polar-optical phonons in nanowires

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Конференция

Wurtzite-nitride quantum wires under electric and magnetic fields: Polaron basic parameters

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Электронный материал

Պինդ մարմնի ֆիզիկայի լաբորատոր աշխատանքներ

Արթուր Կիրակոսյան, Արշակ Վարդանյան, Աննա Ասատրյան, Արամ Մանասեյան,

Գառնիկ Վերմիշյան

Электронный материал

Ատոմի ֆիզիկա

Ա. Կիրակոսյան

Конференция

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

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Конференция

Magneto-Optical Properties of Artificial Graphene Constructed of Cylindrical and Elliptical Quantum Dots

YEGANYAN Lilit, MUGHNETSYAN Vram, MANSOURY Maryam, KIRAKOSYAN Albert, GUDMUNDSSON Vidar
