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head of laboratory

Language skills

Հայերեն

Publications

Article
Enhanced efficiency of intermediate-band semiconductor solar cells embedded with quantum dot superlattices
Naira Petrosyan, Lilit Yeganyan, Aram Manaselyan, Vram Mughnetsyan, Vidar Gudmundsson,

Albert Kirakosyan
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Minas Balyan, Vram Mugnetsyan, Albert Kirakosyan
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Magneto-Optical Properties of Electron Gas in a Chain of Planar Quantum Rings: Effect of Screening on the Signature of Quantum Phase Interference

Armen Harutyunyan, Vram Mughnetsyan, Albert Kirakosyan, Vidar Gudmundsson

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Vram Mughnetsyan, Aram Manaselyan, Ashot Movsisyan, Albert Kirakosyan

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A. Asatryan, A. Movsisyan, L. Vardanyan, S. Hayrapetyan, A. Kirakosyan

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

Vigen Aziz-Aghchegala

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

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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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M.G. Barseghyan, V.N. Mughnetsyan, L.M. Perez, A.A. Kirakosyan, D. Laroze

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EFFECTS OF ELECTRIC FIELD AND IMAGE CHARGES ON THE IMPURITY-RELATED OPTICAL ABSORPTION COEFFICIENTS IN A SPHERICAL QUANTUM DOT

A.L. Vartanian, A.L. Asatryan, A.A. Kirakosyan, A.A. Mkhitaryan, S.S. Avetisyan

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ONE-DIMENSIONAL FRÖHLICH POLARON WITH SPIN-ORBIT COUPLING

K. Vardanyan, A. Kirakosyan, A. Vartanian

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

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K A Vardanyan, A L Vartanian, A G Stepanyan, A A Kirakosyan

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

A L Vartanian, K A Vardanyan, V N Mughnetsyan, A A Kirakosyan

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Потенциал точечного заряда в полупроводниковой гетероструктуре с цилиндрической симметрие
А.А. Киракосян, Н.Г. Мовсисян, Ш.Г. Гаспарян

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