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Publications

Article

Thermodynamic parameters of the electron gas in CdSe nanoplatelets
Y.Sh. Mamasakhlisov, L.A. Tadevosyan, H.Ts. Ghaltaghchyan, V.A. Harutyunyan, H.A. Sarkisyan

Nuclear Instruments and Methods in Physics Research Section A Accelerators Spectrometers Detectors and Associated Equipment
2025 170274

Article

Thermodynamic and Magnetic Properties of Weakly Interacting Electron Gas Localized in a CdSe Cylindrical Core–Shell Quantum Dot
Yevgeni Mamasakhlisov, Levon Tadevosyan, Hayk Ghaltaghchyan, Hayk Sarkisyan

Quantum Reports 2025 13

Article

Few-particle gas in strongly oblate asymmetric ellipsoidal quantum dot
Y.Sh. Mamasakhlisov, A.A. Nahapetyan, M.A. Mkrtchyan, M.Ya. Vinnichenko, D.A. Firsov, H.A. Sarkisyan

Nuclear Instruments and Methods in Physics Research Section A Accelerators Spectrometers Detectors and Associated Equipment
2025 170251

Article

Ընդհանուր ֆիզիկայի բուհական դասընթացի ուսուցման որոշ մեթոդական հարցերի մասին
Աթայան Կ.Ի, Սարգսյան Հ.Ա.

Բնագիտությունը 21-րդ դարում. Ուսուցման հիմնախնդիրներ և լուծումներ.Համահայկական գիտաժողովի նյութերի ժողովածու:
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Article

Interband absorption and excitonic states in narrow band InSb spherical quantum dots
M.S. Atoyan, E.M. Kazaryan, B.Zh. Poghosyan, H.A. Sarkisyan

Physica E Low-dimensional Systems and Nanostructures 2011 1592 - 1596

https://doi.org/10.1016/j.physe.2011.04.023

Article

Dipole transitions and Stark effect in the charge-dyon system
Levon Mardoyan, Armen Nersessian, Hayk Sarkisyan, Vahagn Yeghikyan

Journal of Physics A-Mathematical and Theoretical 2007 5973-5980

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Article

Interband light absorption in parabolic quantum dot in the presence of electrical and magnetic fields

M.S. Atoyan, E.M. Kazaryan, H.A. Sarkisyan

Physica E Low-dimensional Systems and Nanostructures 2006 83 - 85

https://doi.org/10.1016/j.physe.2005.10.008