

Публикации

Статья

The Use of Biosilica to Increase the Compressive Strength of Cement Mortar: The Effect of the Mixing Method

Nelli G. Muradyan, Avetik A. Arzumanyan, Marine A. Kalantaryan, Yeghiazar V. Vardanyan,

Mkrtich Yerosyan, Malgorzata Ulewicz, David Laroze, Manuk G. Barseghyan

MATERIALS 2023 5516

Статья

Electronic and Magnetic Properties of Laser Dressed Quantum Dot and Ring with Rashba Spin-Orbit Coupling

Vram Mughnetsyan, Aram Manaselyan, Manuk Barseghyan, Albert Kirakosyan, Laura M. Perez,

David Laroze

Springer Proceedings in Physics (Optics and Its Applications) 2022 145-154

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Effective tuning of isotropic and anisotropic properties of quantum dots and rings by external fields

Manuk G. Barseghyan, Aram Manaselyan, Albert A. Kirakosyan, Laura M. Perez, David Laroze

Physica E: Low-dimensional Systems and Nanostructures 2020 113807(1-7)

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Effect of the impurity on the Aharonov-Bohm oscillations and the intraband absorption in GaAs/ Ga1-xAlxAs quantum ring under intense THz laser field

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

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Статья

Size or shape - What matters most at the nanoscale?

I. Popescu, M. Hristache, S.-S. Ciobanu, M.G. Barseghyan, J.A. Vinasco, A.L. Morales, A. Radu, C.A. Duque

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Controllable continuous evolution of electronic states in a single quantum ring

Tapash Chakraborty, Aram Manaselyan, Manuk Barseghyan, David Laroze

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Effective tuning of electron charge and spin distribution in a dot-ring nanostructure at the ZnO interface

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Modeling of anisotropic properties of double quantum rings by the terahertz laser field

Henrikh M. Baghramyan, Manuk G. Barseghyan, Albert A. Kirakosyan, Judith H. Ojeda, Jean Bragard,

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M. G. BARSEGHYAN

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Molecular spectrum of laterally coupled quantum rings under intense terahertz radiation

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Influence of lateralel ectric field on intraband optical absorption in concentric double quantum rings

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Energy levels and far-infrared optical absorption of impurity doped semiconductor nanorings: Intense laser and electric fields effects

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Impurity-related intraband absorption in coupled quantum dot-ring structure under lateral electric field

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