

Научно-исследовательский институт физики

Մակրոմոլեկուլարի ֆիզիկայի լաբորատորիա

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Статья

Statistical mechanics of DNA-nanotube adsorption

Yevgeni Mamasakhlisov, Shushanik Tonoyan, Davit Khechyan, Artem Badasyan

Physical Review E 2020 062422(1-5)

Статья

The Conductivity of the Monolayer of DNA - Quantum Dot Complexes in the Presence of Intercalating Charged Ligands

Y.S. Mamasakhlisov, V.F. Morozov, S.A. Tonoyan, E.M. Kazaryan, A.Y. Mamasakhlisov

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The double-stranded DNA stability in presence of a flexible polymer

Yevgeni Mamasakhlisov, Hakob Sngryan, Shushanik Tonoyan, Artur Hakobyan, Poghos Vardevanyan

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Sensitivity of DNA Sensors in the Presence of Charged Ligands

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Straight Calculations of Helix-Coil Transition Parameters in Heteropolymers

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Переход порядок-беспорядок в гетерогенных биологических макромолекулах

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Possible mechanism of non-monotone behavior of helix-coil transition temperature in two-component solvent

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Generalized model of polypeptide chain for helix-coil transition in two-component solvent

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Конференция

The dsDNA duplex stability and carbon nanotube induced crystallization: the effect of two - component solvent

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Theoretical Description of ssDNA Adsorption on Carbon Nanotubes

Shushanik Tonoyan, Davit Khechyan, Vardges Mambreyan, Vladimir Morozov, Yevgeni Mamasakhlisov

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Constrained Annealing Approach for Order-Disorder Transitions in heterogeneous Macromolecular Systems

Shushanik Tonoyan, A. Andreassian, A. Hakobyan, V.F. Morozov, Y.Sh. Mamasakhlisov

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The Helix-Coil Transition the Frames of GMPC. Ligands Effects

Vladimir Morozov, Aram Andriasyan, Saadat Mirtavoosi, Shushanik Tonoyan, Yevgeni Mamasakhlisov
