

Ֆիզիկայի գիտահետազոտական ինստիտուտ
Մակրոմոլեկուլների ֆիզիկայի լաբորատորիա
Գիտաշխատող

📖 Հրատարակումներ

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Sequence disorder-induced first order phase transition in confined polyelectrolytes

Y.Sh. Mamasakhlisov, V.F. Morozov, V. Stepanyan, A. Badasyan, R. Podgornik

Journal of Chemical Physics 2024 134906

Հոդված

Physical Adsorption of Single-Stranded DNA on Carbon Nanotube

V. F. Morozov, D. G. Khechoyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2021 65-68

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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

Journal of Contemporary Physics (Armenian Academy of Sciences) 2020 87-93

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Differential Melting Curves in Heterogeneous Biopolymers

V. F. Morozov, A. Y. Mamasakhlisov, A. Asatryan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2020 259-264

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Sensitivity of DNA Sensors in the Presence of Charged Ligands

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

Journal of Contemporary Physics (Armenian Academy of Sciences) 2018 179-186

Հոդված

Straight Calculations of Helix-Coil Transition Parameters in Heteropolymers

A.V. Asatryan, A.K. Andriasyan, A.A. Hakobyan, Sh.A. Tonoyan, Y.Sh. Mamasakhlisov, V.F. Morozov

Proceedings of the YSU A. Physical and Mathematical Sciences 2018 47-54

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Переход порядок-беспорядок в гетерогенных биологических макромолекулах

A.B. Asatryan, A.K. Andriasyan, Sh.A. Tonoyan, E.Sh. Mamasakhlisov, V.F. Morozov

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Effect of ligands binding on the isotherm of hybridization of the DNA-chip

H.L. Tsaturyan, Sh.A. Tonoyan, V.F. Morozov, Y.Sh. Mamasakhlisov

Journal of Contemporary Physics (Armenian Academy of Sciences) 2017 180-188
<http://www.springer.com/physics/particle+and+nuclear+physics/journal/11958>

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

Sh.A. Tonoyan, A.V. Asatryan, D.L.Hayrapetyan, Y.Sh. Mamasakhlisov, V.F. Morozov

Journal of Contemporary Physics (Armenian Academy of Sciences) 2016 93-98

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

Sh.A. Tonoyan, A.V. Asatryan, Mirtavoosi Saadat, Y.Sh. Mamasakhlisov, V.F. Morozov

Journal of Contemporary Physics (Armenian Academy of Sciences) 2015 375-380

<http://www.springer.com/physics/particle+and+nuclear+physics/journal/11958>

Գիտաժողովի նյութ

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

Sh.A. Tonoyan, A.V. Asatryan, S. Mirtavoosi, Y.Sh. Mamasakhlisov, V.F. Morozov

Գիտաժողովի նյութ

Theoretical Description of ssDNA Adsorption on Carbon Nanotubes

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Գիտաժողովի նյութ

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

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

Գիտաժողովի նյութ

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

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