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Կոնդենսացված վիճակի ֆիզիկայի կենտրոն
Մակրոմոլեկուլների ֆիզիկայի լաբորատորիա
Scientific Worker

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Կոնդենսացված վիճակի ֆիզիկայի կենտրոն
Մակրոմոլեկուլների ֆիզիկայի լաբորատորիա
Scientific Worker

Institute of Physics
Chair of Condensed Matter Physics
Lecturer on an hourly basis

Language skills

Հայերեն Русский English

Publications

Article
Canonic hemoglobin–oxygen equilibrium: Reassessing the role of cooperativity
A. E. Allahverdyan, S. G. Gevorkian, A. Harutyunyan, Y. Sh. Mamasakhlisov, V. Stepanyan
The Journal of Chemical Physics 2026 034109
https://pubs.aip.org/aip/jcp/article-abstract/164/3/034109/3377737/Canonic-hemo...

Article
Negative thermodynamic pressure: No-go theorem and yes-go examples
Varazdat Stepanyan
Physical review. E 2025 L042105

Article
Energy densities in quantum mechanics
V. Stepanyan, A. E. Allahverdyan
Quantum 2024 1223

Article
Thermal transitions in a one-dimensional, finite-size Ising model
Varazdat Stepanyan, Armen E Allahverdyan, Andreas F Tzortzakakis, David Petrosyan
Journal of Statistical Mechanics Theory and Experiment 2024 033202

Article
Sequence disorder-induced first order phase transition in confined polyelectrolytes
Y.Sh. Mamasakhlisov, V.F. Morozov, V. Stepanyan, A. Badasyan, R. Podgornik
The Journal of Chemical Physics 2024 134906

Article

No Bose-Einstein Condensation in Closed Systems with Linear Dynamics

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Armenian Journal of Physics 2024 65-70

Article

Photon cooling: Linear versus nonlinear interactions

V. Stepanyan, A. Hovhannisyan, A.E. Allahverdyan

Physical review. A/Physical review, A 2022 032214

Article

Helix-Coil Transition in Heterogeneous Biopolymers: Influence of Fixing Bond Scale

A. V. Asatryan, H. H. Mikayelyan, V. A. Stepanyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2022 308-312

Article

Thermodynamics of Physical Approximations to Non Deterministic Polynomial Complete Problems

V. A. Stepanyan, S. G. Khachatryan, S. A. Hovhannisyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2022 36-40

Article

The Rouse Model of Viscoelasticity and Diffusion Behavior of Chromatin

Stepanyan V. A., Hayrapetyan A. A., Mamasakhlisov E.S

Journal of Contemporary Physics (Armenian Academy of Sciences) 2020 254–258
