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Publications

Article
The Interaction of TOEPyP4 and ZnTOEPyP4 Porphyrins with G-Quadruplexes
I. V. Vardanyan, M. Kh. Badalyan, Ts. M. Jomardyan, Y. B. Dalyan, S. G. Haroutiunian

Journal of Contemporary Physics (Armenian Academy of Sciences) 2025 115-119

Article
Kinetics of Ligand Binding to Receptors in the Presence of Multiplicative Noise [Кинетика связывания лигандов с рецепторами при наличии мультипликативного шума]
V. B. Arakelyan, S. V. Harutyunyan, S. P. Kocharyan, I. V. Vardanyan, S. G. Haroutiunian, N. S. Ananikian

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Article
Structural Transitions in Complementary G-Rich and C-Rich Strands and Their Mixture at Various pH Conditions
Yeva B. Dalyan, Ishkhan V. Vardanyan, Samvel G. Haroutiunian, Milena Kh. Badalyan

ACS Omega 2023 47051-47056

Article
A study of the subdiffusion of small molecules in charged polyelectrolyte multilayers
I. Vardanyan, V. Arakelyan, Z. Navoyan, E. Diamanti, S. E. Moya, E. Donath

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Article
THE INFLUENCE OF UREA ON G-QUADRUPLEX AND i-MOTIF STRUCTURES IN COMPLEMENTARY DNA SEQUENCES
Ye. B. Dalyan, L. G. Aslanyan, I. V. Vardanyan

Proceedings of the YSU A Physical and Mathematical Sciences 2020 115-122

Article
A Flow Cytometry Study of the Non-Fickean Diffusion of Small-Charged Molecules in Poly(diallyl dimethyl ammonium chloride)/Poly(styrene sodium sulfonate) Multilayers: Impact of the Layer Number, Top Layer, and Concentration of Diffusing Molecules
Ishkhan Vardanyan, Zaven Navoyan, Sergio Enrique Moya, Valeri Arakelyan, Edwin Donath

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Influence of ZnO nanoparticles in the stability and conductivity of BLM depending on its

composition
Gayane V. Ananyan, Syuzi M. Grigoryan, Tsovinar Jomardyan, Ishkhan V. Vardanyan,

Valery. B. Arakelyan

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A typical diffusion monitored by flow cytometry: slow diffusion of small molecules in polyelectrolyte multilayers
E. Donath, I. Vardanyan, S. Meyer, R. A. Murray, S. E. Moya, Z. Navoyan, V. Arakelyan

Nanoscale 2018 765-772

Article

Effect of urea on G-quadruplex stability
Yeva B.Dalyan, Ishkhan Vardanyan, Lusine Aslanyan, Tigran V. Chalikian, Jordan Ko, Byul G.Kim

Journal of Physical Chemistry B 2017 6511-6519

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Article

Thermodynamics of interaction of meso-tetra-(4Noxyethylpyridyl) porphyrin and its Cu(II)- and Co(II)- containing derivatives with A and B forms of DNA
Ani A. Avetisyan, Ishkhan V. Vardanyan, Yeva B. Dalyan

Journal of Porphyrins and Phthalocyanines 2017 731-738

Monograph

Երևանի պետական համալսարանի գործունեության գնահատման առանցքային ցուցանիշներ (2010-2015)
Ա. Հ. Սիմոնյան, Ա. Կ. Արիգորյան, Գ. Գ. Գևորգյան, Ռ. Լ. Մարկոսյան, Ա. Ս. Բուդաղյան,

Մ. Գ. Սանթուրջյան, Ա. Ն. Սարգսյան, Ի. Վ. Վարդանյան, Ռ. Գ. Գրիգորյան

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A. N. Sargsyan, I. V. Vardanyan, R. G. Grigoryan

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Conference

The investigation of sodium-induced G-quadruplex stability and thermodynamics in urea solution
I.V.Vardanyan, Y.B.Dalyan, L.G.Aslanyan

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