

Publications

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

Journal of Contemporary Physics (Armenian Academy of Sciences) 2024 179 - 187

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

Scientific Reports 2021 22585

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-Fickian 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

Journal of Physical Chemistry B 2019 2182-2189

Article

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

<http://pubs.acs.org/journal/jpcbfk>

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. Սանթրոքյան, Ա. Ն. Սարգսյան, Ի. Վ. Վարդանյան, Ռ. Գ. Գրիգորյան

2017 96

Monograph

The Key Performance Indicators of Yerevan State University (2010-2015)

A. H. Simonyan, A. K. Grigoryan, G. G. Gevorgyan, R. L. Markosyan, A. S. Budaghyan, M. G. Santurjyan,

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

2017 94

Conference

The investigation of sodium-induced G-quadruplex stability and thermodynamics in urea solution

L.G.Aslanyan, I.V.Vardanyan, Y.B.Dalyan

Conference

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
