Сведения о ведущей организации

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Список основных публикаций работников организации по теме диссертации за последние 5 лет (не более 15)

1. Borisyuk R., Al Azad A., Conte D., Roberts A., Soffe S. A developmental approach to predicting neuronal connectivity from small biological datasets: a gradient-based neuron growth model. PLoS One. 2014. 9 (2). e89461.

2. Burylko O., Kazanovich Y., Borisyuk R. Bifurcation study of phase oscillator systems with attractive and repulsive interaction. Phys. Rev. E. 2014. 90 (2). 022911.

3. Bystrov V.S.
Molecular modeling and molecular dynamic simulation of the polarization switching phenomena in the ferroelectric polymers PVDF at the nanoscale. Physica B: Condensed Matter. 2014. 432. 21–25. DOI: 10.1016/j.physb.2013.09.016

4. Chaley M., Kutyrkin V., Tulbasheva G., Teplukhina E., Nazipova N. HeteroGenome: database of genome periodicity. Database: the journal of biological databases and

curation. 2014. 2014. 1-18. doi: 10.1093/database/bau040

5. Chulaevsky V. Uniform Anderson localization, unimodal eigenstates and simple spectra in a class of "haarsh" deterministic potentials. Journal of Functional Analysis. 2014. 267 (11). 4280-4320.

6. Chulaevsky V. From Fixed-Energy Localization Analysis to Dynamical Localization: An Elementary Path. Journal of Statistical Physics. 2014. 154. 1391-1429.

7. Collisson E.A., Campbell J.D., Brooks A.N., (...), Reva B. et al. Comprehensive molecular profiling of lung adenocarcinoma. Nature. 2014. 514 (7521). 262.

8. Fisher S.J., Blakeley M.P., Howard E.I., Petit-Haertlein I., Haertlein M., Mitschler A., Cousido-Siah A., Salvay A.G., Popov A., Muller-Dieckmann C., Petrova T., Podjarny A. Perdeuteration: improved visualization of solvent structure in neutron macromolecular crystallography. Acta Crystallographica Section D: Biological crystallography. 2014. D70. 3266-3272.

9. Galzitskaya O.V., Pereyaslavets L.B., Glyakina A.V. Folding of right- and left-handed three-helix proteins. Isr. J. Chem. 2014. 54. 1126–1136.

10. Glyakina A.V., Likhachev I.V., Balabaev N.K., Galzitskaya O.V. Mechanical stability analysis of the protein L immunoglobulin-binding domain by full alanine screening using molecular dynamics simulations. Biotechnology Journal. 2014. doi: 10.1002/biot.201400231

11. Glyakina A.V., Likhachev I.V., Balabaev N.K., Galzitskaya O.V. Right- and left-handed three-helix proteins: II. similarity and differences in mechanical unfolding of proteins. Proteins: Structure, Function, and Bioinformatics. 2014. 82 (1). 90-102. doi: 10.1002/prot.24373

12. Guo M.S., Updegrove T.B., Gogol E.B., Shabalina S.A., Gross C.A., Storz G. MicL, a new σE-dependent sRNA, combats envelope stress by repressing synthesis of Lpp, the major outer membrane lipoprotein. Genes and Development. 2014. 28 (14). 1620-1634.

13. Korshunova A.N., Lakhno V.D. A new type of localized fast moving electronic excitations in molecular chains. Physica E: Low-dimensional Systems and anostructures. 2014. 60. 206-209.

14. Krupyanskii Yu.F., Balabaev N.K., Petrova T.E., Sinitsyn D.O., Gryzlova E.V., Tereshkina K.B., Abdulnasyrov E.G., Stepanov A.S., Lunin V.Yu., Grum_Grzhimailo A.N. Femtosecond X_Ray Free_Electron Lasers: A New Tool for Studying Nanocrystals and Single Macromolecules. Russian Journal of Physical Chemistry B. 2014. 8 (4). 445–456.

15. Lakhno V.D. Large-radius Holstein polaron and the problem of spontaneous

symmetry breaking. Progress of Theoretical and Experimental Physics. 2014. 7. 073I01.