Lorant Janosi

List of Publications by Year
in descending order

20	879	567281 15	794594 19
papers	citations	h-index	g-index

20	20	20	1248
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Organization, dynamics, and segregation of Ras nanoclusters in membrane domains. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8097-8102.	7.1	160
2	Calculating potentials of mean force and diffusion coefficients from nonequilibrium processes without Jarzynskiâ€™s equality. Journal of Chemical Physics, 2006, 124, 064106.	3.0	93
3	Simulating POPC and POPC/POPG Bilayers: Conserved Packing and Altered Surface Reactivity. Journal of Chemical Theory and Computation, 2010, 6, 3267-3273.	5.3	92
4	The Gating Mechanism of the Human Aquaporin 5 Revealed by Molecular Dynamics Simulations. PLoS ONE, 2013, 8, e59897.	2.5	64
5	Formation and Domain Partitioning of H-ras Peptide Nanoclusters: Effects of Peptide Concentration and Lipid Composition. Journal of the American Chemical Society, 2012, 134, 17278-17285.	13.7	59
6	Segregation of Negatively Charged Phospholipids by the Polycationic and Farnesylated Membrane Anchor of Kras. Biophysical Journal, 2010, 99, 3666-3674.	0.5	58
7	Lipid-Modulated Sequence-Specific Association of Glycophorin A in Membranes. Biophysical Journal, 2010, 99, 284-292.	0.5	57
8	Kinetic Monte Carlo and cellular particle dynamics simulations of multicellular systems. Physical Review E, 2012, 85, 031907.	2.1	51
9	GxxxG Motifs, Phenylalanine, and Cholesterol Guide the Self-Association of Transmembrane Domains of ErbB2 Receptors. Biophysical Journal, 2011, 101, 1949-1958.	0.5	42
10	Theoretical prediction of spectral and optical properties of bacteriochlorophylls in thermally disordered LH2 antenna complexes. Journal of Chemical Physics, 2006, 125, 014903.	3.0	41
11	Self-Association of Models of Transmembrane Domains of ErbB Receptors in a Lipid Bilayer. Biophysical Journal, 2010, 99, 3657-3665.	0.5	41
12	Modulating short tryptophan- and arginine-rich peptides activity by substitution with histidine. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1844-1854.	2.4	31
13	Calculating free-energy profiles in biomolecular systems from fast nonequilibrium processes. Physical Review E, 2008, 78, 051913.	2.1	29
14	Accelerating flat-histogram methods for potential of mean force calculations. Journal of Chemical Physics, 2009, 131, 054105.	3.0	17
15	Using stochastic models calibrated from nanosecond nonequilibrium simulations to approximate mesoscale information. Journal of Chemical Physics, 2009, 130, 144908.	3.0	15
16	Importance of the Sphingosine Base Double-Bond Geometry for the Structural and Thermodynamic Properties of Sphingomyelin Bilayers. Biophysical Journal, 2010, 99, 2957-2966.	0.5	12
17	Influence of subunit structure on the oligomerization state of light-harvesting complexes: A free energy calculation study. Chemical Physics, 2006, 323, 117-128.	1.9	10
18	Size and surface coverage density are major factors in determining thiol modified gold nanoparticles characteristics. Computational and Theoretical Chemistry, 2022, 1209, 113581.	2.5	5

#	Article	IF	Citations
19	In silico predictions of LH2 ring sizes from the crystal structure of a single subunit using molecular dynamics simulations. Proteins: Structure, Function and Bioinformatics, 2011, 79, 2306-2315.	2.6	2
20	Updating RoNBio molecular modelling system to support in silico investigation of AMP activity on membrane models. , 2018, , .		0