

Lorant Janosi

List of Publications by Year in descending order

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20
papers

879
citations

567281

15
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

1248
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Updating RoNBio molecular modelling system to support in silico investigation of AMP activity on membrane models. , 2018, , .		0
3	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
4	The Gating Mechanism of the Human Aquaporin 5 Revealed by Molecular Dynamics Simulations. PLoS ONE, 2013, 8, e59897.	2.5	64
5	Kinetic Monte Carlo and cellular particle dynamics simulations of multicellular systems. Physical Review E, 2012, 85, 031907.	2.1	51
6	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
7	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
8	GxxxG Motifs, Phenylalanine, and Cholesterol Guide the Self-Association of Transmembrane Domains of ErbB2 Receptors. Biophysical Journal, 2011, 101, 1949-1958.	0.5	42
9	<i>in silico</i> 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
10	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
11	Lipid-Modulated Sequence-Specific Association of Glycophorin A in Membranes. Biophysical Journal, 2010, 99, 284-292.	0.5	57
12	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
13	Self-Association of Models of Transmembrane Domains of ErbB Receptors in a Lipid Bilayer. Biophysical Journal, 2010, 99, 3657-3665.	0.5	41
14	Segregation of Negatively Charged Phospholipids by the Polycationic and Farnesylated Membrane Anchor of Kras. Biophysical Journal, 2010, 99, 3666-3674.	0.5	58
15	Accelerating flat-histogram methods for potential of mean force calculations. Journal of Chemical Physics, 2009, 131, 054105.	3.0	17
16	Using stochastic models calibrated from nanosecond nonequilibrium simulations to approximate mesoscale information. Journal of Chemical Physics, 2009, 130, 144908.	3.0	15
17	Calculating free-energy profiles in biomolecular systems from fast nonequilibrium processes. Physical Review E, 2008, 78, 051913.	2.1	29
18	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

#	ARTICLE	IF	CITATIONS
19	Calculating potentials of mean force and diffusion coefficients from nonequilibrium processes without Jarzynski's equality. <i>Journal of Chemical Physics</i> , 2006, 124, 064106.	3.0	93
20	Theoretical prediction of spectral and optical properties of bacteriochlorophylls in thermally disordered LH2 antenna complexes. <i>Journal of Chemical Physics</i> , 2006, 125, 014903.	3.0	41