

Alexey Ladokhin

List of Publications by Year in descending order

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24
papers

754
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516561

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610775

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times ranked

935
citing authors

#	ARTICLE	IF	CITATIONS
1	Folding Amphipathic Helices Into Membranes: Amphiphilicity Trumps Hydrophobicity. <i>Journal of Molecular Biology</i> , 2007, 370, 459-470.	2.0	149
2	CD Spectroscopy of Peptides and Proteins Bound to Large Unilamellar Vesicles. <i>Journal of Membrane Biology</i> , 2010, 236, 247-253.	1.0	72
3	Membrane Partitioning: "Classical" and "Nonclassical" Hydrophobic Effects. <i>Journal of Membrane Biology</i> , 2011, 239, 5-14.	1.0	57
4	pH-Triggered Conformational Switching along the Membrane Insertion Pathway of the Diphtheria Toxin T-Domain. <i>Toxins</i> , 2013, 5, 1362-1380.	1.5	56
5	Lipid Headgroups Modulate Membrane Insertion of pHLIP Peptide. <i>Biophysical Journal</i> , 2015, 108, 791-794.	0.2	50
6	Conformational Switching of the Diphtheria Toxin T Domain. <i>Journal of Molecular Biology</i> , 2010, 402, 1-7.	2.0	44
7	Partitioning of 2,6-Bis(1H-Benzimidazol-2-yl)pyridine fluorophore into a phospholipid bilayer: Complementary use of fluorescence quenching studies and molecular dynamics simulations. <i>Biophysical Chemistry</i> , 2011, 154, 8-17.	1.5	40
8	Lifetime fluorescence method for determining membrane topology of proteins. <i>Analytical Biochemistry</i> , 2006, 348, 87-93.	1.1	35
9	Divalent Cations and Lipid Composition Modulate Membrane Insertion and Cancer-Targeting Action of pHLIP. <i>Journal of Molecular Biology</i> , 2019, 431, 5004-5018.	2.0	25
10	Steady-state and time-resolved fluorescence quenching with transition metal ions as short-distance probes for protein conformation. <i>Analytical Biochemistry</i> , 2010, 407, 284-286.	1.1	22
11	Structural Plasticity in the Topology of the Membrane-Interacting Domain of HIV-1 gp41. <i>Biophysical Journal</i> , 2014, 106, 610-620.	0.2	22
12	Lipids modulate the BH3-independent membrane targeting and activation of BAX and Bcl-xL. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	22
13	Joint refinement of FRET measurements using spectroscopic and computational tools. <i>Analytical Biochemistry</i> , 2017, 522, 1-9.	1.1	21
14	A simple "proximity" correction for Förster resonance energy transfer efficiency determination in membranes using lifetime measurements. <i>Analytical Biochemistry</i> , 2008, 380, 134-136.	1.1	20
15	Role of Acidic Residues in Helices TH8"TH9 in Membrane Interactions of the Diphtheria Toxin T Domain. <i>Toxins</i> , 2015, 7, 1303-1323.	1.5	20
16	Refining Protein Penetration into the Lipid Bilayer Using Fluorescence Quenching and Molecular Dynamics Simulations: The Case of Diphtheria Toxin Translocation Domain. <i>Journal of Membrane Biology</i> , 2018, 251, 379-391.	1.0	18
17	The pH-Dependent Trigger in Diphtheria Toxin T Domain Comes with a Safety Latch. <i>Biophysical Journal</i> , 2016, 111, 1946-1953.	0.2	16
18	Refining membrane penetration by a combination of steady-state and time-resolved depth-dependent fluorescence quenching. <i>Analytical Biochemistry</i> , 2014, 446, 19-21.	1.1	15

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19	Thermodynamics of Membrane Insertion and Refolding of the Diphtheria Toxin T-Domain. <i>Journal of Membrane Biology</i> , 2015, 248, 383-394.	1.0	14
20	Cellular Entry of the Diphtheria Toxin Does Not Require the Formation of the Open-Channel State by Its Translocation Domain. <i>Toxins</i> , 2017, 9, 299.	1.5	13
21	Experimental and Computational Characterization of Oxidized and Reduced Protegrin Pores in Lipid Bilayers. <i>Journal of Membrane Biology</i> , 2020, 253, 287-298.	1.0	7
22	Conformational switching, refolding and membrane insertion of the diphtheria toxin translocation domain. <i>Methods in Enzymology</i> , 2021, 649, 341-370.	0.4	7
23	Expanding MPEx Hydropathy Analysis to Account for Electrostatic Contributions to Protein Interactions with Anionic Membranes. <i>Journal of Membrane Biology</i> , 2021, 254, 109-117.	1.0	5
24	Cellular Entry of Binary and Pore-Forming Bacterial Toxins. <i>Toxins</i> , 2018, 10, 11.	1.5	4