

Chad Leidy

List of Publications by Year in descending order

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24
papers

888
citations

623734

14
h-index

642732

23
g-index

25
all docs

25
docs citations

25
times ranked

1080
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature-Controlled Structure and Kinetics of Ripple Phases in One- and Two-Component Supported Lipid Bilayers. <i>Biophysical Journal</i> , 2003, 85, 350-360.	0.5	123
2	Ripples and the Formation of Anisotropic Lipid Domains: Imaging Two-Component Supported Double Bilayers by Atomic Force Microscopy. <i>Biophysical Journal</i> , 2002, 83, 2625-2633.	0.5	107
3	Lateral Organization and Domain Formation in a Two-Component Lipid Membrane System. <i>Biophysical Journal</i> , 2001, 80, 1819-1828.	0.5	103
4	Trehalose Maintains Phase Separation in an Air-Dried Binary Lipid Mixture. <i>Biophysical Journal</i> , 2003, 84, 3045-3051.	0.5	93
5	Domain-Induced Activation of Human Phospholipase A2 Type IIA: Local versus Global Lipid Composition. <i>Biophysical Journal</i> , 2006, 90, 3165-3175.	0.5	70
6	Activation of interfacial enzymes at membrane surfaces. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S1293-S1304.	1.8	64
7	Evolution of a Rippled Membrane during Phospholipase A2 Hydrolysis Studied by Time-Resolved AFM. <i>Biophysical Journal</i> , 2004, 87, 408-418.	0.5	52
8	Antimicrobial activity and interactions of cationic peptides derived from <i>Galleria mellonella</i> cecropin D-like peptide with model membranes. <i>Journal of Antibiotics</i> , 2017, 70, 238-245.	2.0	40
9	In Situ Atomic Force Microscope Imaging of Supported Lipid Bilayers. <i>Single Molecules</i> , 2001, 2, 105-108.	0.9	35
10	Biophysical evaluation of cardiolipin content as a regulator of the membrane lytic effect of antimicrobial peptides. <i>Biophysical Chemistry</i> , 2018, 238, 8-15.	2.8	31
11	Lipid Phase Behavior and Stabilization of Domains in Membranes of Platelets. <i>Cell Biochemistry and Biophysics</i> , 2004, 40, 123-148.	1.8	29
12	Mechanical properties that influence antimicrobial peptide activity in lipid membranes. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 10251-10263.	3.6	26
13	Membrane Restructuring by Phospholipase A2 Is Regulated by the Presence of Lipid Domains. <i>Biophysical Journal</i> , 2011, 101, 90-99.	0.5	19
14	Macroscopic domain formation during cooling in the platelet plasma membrane: An issue of low cholesterol content. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 1229-1237.	2.6	18
15	Variations in carotenoid content and acyl chain composition in exponential, stationary and biofilm states of <i>Staphylococcus aureus</i> , and their influence on membrane biophysical properties. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 978-987.	2.6	18
16	Phage preparation FBL1 prevents <i>Bacillus licheniformis</i> biofilm, bacterium responsible for the mortality of the Pacific White Shrimp <i>Litopenaeus vannamei</i> . <i>Aquaculture</i> , 2018, 484, 160-167.	3.5	13
17	Exploring the Local Elastic Properties of Bilayer Membranes Using Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2014, 118, 12883-12891.	2.6	9
18	Cardiolipin prevents pore formation in phosphatidylglycerol bacterial membrane models. <i>FEBS Letters</i> , 2021, 595, 2701-2714.	2.8	9

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19	Carotenogenesis of Staphylococcus aureus: New insights and impact on membrane biophysical properties. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021, 1866, 158941.	2.4	8
20	The antibacterial activity of phospholipase A2 type IIA is regulated by the cooperative lipid chain melting behavior in Staphylococcus aureus. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1021-1028.	2.6	6
21	Sulfocerebrosides upregulate liposome uptake in human astrocytes without inducing a proinflammatory response. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2013, 83A, 627-635.	1.5	6
22	S. Aureus Adapt to Growth Conditions by Changing Membrane Order. <i>Biophysical Journal</i> , 2014, 106, 580a.	0.5	4
23	Stabilization of Liposomes by Freeze-Drying. , 2006, , 261-284.		2
24	Sulfatide-Rich Liposome Uptake by a Human-Derived Neuroblastoma Cell Line. <i>Processes</i> , 2020, 8, 1615.	2.8	2