

# Paulo F Almeida

## List of Publications by Year in descending order

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29  
papers

932  
citations

471371

17  
h-index

477173

29  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1259  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of Antimicrobial, Cytolytic, and Cell-Penetrating Peptides: From Kinetics to Thermodynamics. <i>Biochemistry</i> , 2009, 48, 8083-8093.	1.2	242
2	Translocation of Cationic Amphipathic Peptides across the Membranes of Pure Phospholipid Giant Vesicles. <i>Journal of the American Chemical Society</i> , 2013, 135, 16517-16525.	6.6	73
3	Molecular Dynamics Studies of Transportan 10 (Tp10) Interacting with a POPC Lipid Bilayer. <i>Journal of Physical Chemistry B</i> , 2011, 115, 1188-1198.	1.2	52
4	Hydrogen-bond energetics drive helix formation in membrane interfaces. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 178-182.	1.4	50
5	A Simple Thermodynamic Model of the Liquid-Ordered State and the Interactions between Phospholipids and Cholesterol. <i>Biophysical Journal</i> , 2011, 100, 420-429.	0.2	39
6	Daptomycin-Phosphatidylglycerol Domains in Lipid Membranes. <i>Langmuir</i> , 2017, 33, 13669-13679.	1.6	39
7	Phase Separation and Fluctuations in Mixtures of a Saturated and an Unsaturated Phospholipid. <i>Biophysical Journal</i> , 2012, 102, 2526-2535.	0.2	38
8	Membrane-active peptides: Binding, translocation, and flux in lipid vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2216-2227.	1.4	36
9	Statistical Analysis of Peptide-Induced Graded and All-or-None Fluxes in Giant Vesicles. <i>Biophysical Journal</i> , 2013, 105, 432-443.	0.2	34
10	Push-Pull Mechanism for Lipid Raft Formation. <i>Langmuir</i> , 2014, 30, 3285-3289.	1.6	34
11	A Thermodynamic Approach to the Mechanism of Cell-Penetrating Peptides in Model Membranes. <i>Biochemistry</i> , 2011, 50, 654-662.	1.2	30
12	Effects of Isoflurane, Halothane, and Chloroform on the Interactions and Lateral Organization of Lipids in the Liquid-Ordered Phase. <i>Langmuir</i> , 2011, 27, 14380-14385.	1.6	29
13	What Determines the Activity of Antimicrobial and Cytolytic Peptides in Model Membranes. <i>Biochemistry</i> , 2011, 50, 7919-7932.	1.2	27
14	Charge Distribution Fine-Tunes the Translocation of $\alpha$ -Helical Amphipathic Peptides across Membranes. <i>Biophysical Journal</i> , 2016, 111, 1738-1749.	0.2	22
15	How to Determine Lipid Interactions in Membranes from Experiment Through the Ising Model. <i>Langmuir</i> , 2019, 35, 21-40.	1.6	22
16	Cholesterol-Phospholipid Association in Fluid Bilayers: A Thermodynamic Analysis from Nearest-Neighbor Recognition Measurements. <i>Biophysical Journal</i> , 2006, 91, 1402-1406.	0.2	21
17	GUVs Melt Like LUVs: The Large Heat Capacity of MLVs Is Not Due to Large Size or Small Curvature. <i>Biophysical Journal</i> , 2015, 108, 2619-2622.	0.2	18
18	The Antibiotic Peptide Daptomycin Functions by Reorganizing the Membrane. <i>Journal of Membrane Biology</i> , 2021, 254, 97-108.	1.0	17

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19	Binding and Permeabilization of Model Membranes by Amphipathic Peptides. <i>Methods in Molecular Biology</i> , 2010, 618, 155-169.	0.4	17
20	Sorting of Lipidated Peptides in Fluid Bilayers: A Molecular-Level Investigation. <i>Journal of the American Chemical Society</i> , 2012, 134, 17245-17252.	6.6	16
21	Monte Carlo Simulation of Protein-Induced Lipid Demixing in a Membrane with Interactions Derived from Experiment. <i>Biophysical Journal</i> , 2011, 101, 1930-1937.	0.2	15
22	Heat Capacity of DPPC/Cholesterol Mixtures: Comparison of Single Bilayers with Multibilayers and Simulations. <i>Langmuir</i> , 2018, 34, 9798-9809.	1.6	13
23	Eliminating the Roughness in Cholesterol's $\hat{\Gamma}^2$ -Face: Does it Matter?. <i>Langmuir</i> , 2014, 30, 12114-12118.	1.6	11
24	The Many Faces of Lipid Rafts. <i>Biophysical Journal</i> , 2014, 106, 1841-1843.	0.2	11
25	Hemolytic Activity of Membrane-Active Peptides Correlates with the Thermodynamics of Binding to 1-Palmitoyl-2-Oleoyl-sn-Glycero-3-Phosphocholine Bilayers. <i>Journal of Membrane Biology</i> , 2013, 246, 257-262.	1.0	6
26	Net Interactions That Push Cholesterol Away from Unsaturated Phospholipids Are Driven by Enthalpy. <i>Biochemistry</i> , 2018, 57, 6637-6643.	1.2	6
27	Coarse-grained simulations of hemolytic peptide $\hat{\Gamma}$ -lysin interacting with a POPC bilayer. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 3182-3194.	1.4	5
28	And Yet It Moves. <i>Biophysical Journal</i> , 2017, 113, 759-761.	0.2	5
29	Tools for Predicting Binding and Insertion of CPPs into Lipid Bilayers. <i>Methods in Molecular Biology</i> , 2011, 683, 81-98.	0.4	4