Cesar A LÃ³pez

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9423822/publications.pdf

Version: 2024-02-01

39 papers	3,881 citations	257357 24 h-index	302012 39 g-index
43 all docs	43 docs citations	43 times ranked	6200 citing authors

#	Article	IF	Citations
1	Machine learningâ€“driven multiscale modeling reveals lipid-dependent dynamics of RAS signaling proteins. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	44
2	Exploring CRD mobility during RAS/RAF engagement at the membrane. Biophysical Journal, 2022, 121, 3630-3650.	0.2	9
3	Predictive Rules of Efflux Inhibition and Avoidance in Pseudomonas aeruginosa. MBio, 2021, 12, .	1.8	28
4	Molecular origins of reduced activity and binding commitment of processive cellulases and associated carbohydrate-binding proteins to cellulose III. Journal of Biological Chemistry, 2021, 296, 100431.	1.6	20
5	Development of Martini 2.2 parameters for‹i›N‹/i›-glycans: a case study of the HIV-1 Env glycoprotein dynamics. Glycobiology, 2021, 31, 787-799.	1.3	7
6	Unveiling the Dynamics of KRAS4b on Lipid Model Membranes. Journal of Membrane Biology, 2021, 254, 201-216.	1.0	6
7	Molecular characterization of the outer membrane of Pseudomonas aeruginosa. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183151.	1.4	28
8	Visualization of the HIV-1 Env glycan shield across scales. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28014-28025.	3.3	57
9	Uncovering a membrane-distal conformation of KRAS available to recruit RAF to the plasma membrane. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24258-24268.	3.3	34
10	Machine Learning Algorithm Identifies an Antibiotic Vocabulary for Permeating Gram-Negative Bacteria. Journal of Chemical Information and Modeling, 2020, 60, 2838-2847.	2.5	21
11	Anionic Lipids Impact RAS-Binding Site Accessibility and Membrane Binding Affinity of CRAF RBD-CRD. Biophysical Journal, 2020, 119, 525-538.	0.2	13
12	Two distinct anionic phospholipid-dependent events involved in SecA-mediated protein translocation. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 183035.	1.4	16
13	Oligomeric state of the ZIKV E protein defines protective immune responses. Nature Communications, 2019, 10, 4606.	5.8	22
14	Efficient transplacental IgG transfer in women infected with Zika virus during pregnancy. PLoS Neglected Tropical Diseases, 2019, 13, e0007648.	1.3	22
15	Unsupervised Machine Learning for Analysis of Phase Separation in Ternary Lipid Mixture. Journal of Chemical Theory and Computation, 2019, 15, 6343-6357.	2.3	18
16	Biophysical Characterization of a Nanodisc with and without BAX: An Integrative Study Using Molecular Dynamics Simulations and Cryo-EM. Structure, 2019, 27, 988-999.e4.	1.6	19
17	Sequence- and structure-based computational analyses of Gram-negative tripartite efflux pumps in the context of bacterial membranes. Research in Microbiology, 2018, 169, 414-424.	1.0	6
18	Development of Envelope Protein Antigens To Serologically Differentiate Zika Virus Infection from Dengue Virus Infection. Journal of Clinical Microbiology, 2018, 56, .	1.8	53

#	Article	IF	Citations
19	Capturing Phase Behavior of Ternary Lipid Mixtures with a Refined Martini Coarse-Grained Force Field. Journal of Chemical Theory and Computation, 2018, 14, 6050-6062.	2.3	63
20	Molecular recognition of RAS/RAF complex at the membrane: Role of RAF cysteine-rich domain. Scientific Reports, 2018, 8, 8461.	1.6	71
21	Membrane perturbing properties of toxin mycolactone from Mycobacterium ulcerans. PLoS Computational Biology, 2018, 14, e1005972.	1.5	28
22	Dynamics of Intact MexAB-OprM Efflux Pump: Focusing on the MexA-OprM Interface. Scientific Reports, 2017, 7, 16521.	1.6	30
23	Lack of Durable Cross-Neutralizing Antibodies Against Zika Virus from Dengue Virus Infection. Emerging Infectious Diseases, 2017, 23, 773-781.	2.0	141
24	Effect of Glycosylation on an Immunodominant Region in the V1V2 Variable Domain of the HIV-1 Envelope gp120 Protein. PLoS Computational Biology, 2016, 12, e1005094.	1.5	17
25	Broadly targeted CD8 ⁺ T cell responses restricted by major histocompatibility complex E. Science, 2016, 351, 714-720.	6.0	260
26	Membrane-Mediated Regulation of the Intrinsically Disordered CD3Ïµ Cytoplasmic Tail of the TCR. Biophysical Journal, 2015, 108, 2481-2491.	0.2	21
27	MARTINI Coarse-Grained Model for Crystalline Cellulose Microfibers. Journal of Physical Chemistry B, 2015, 119, 465-473.	1.2	54
28	Permeability Barrier of Gram-Negative Cell Envelopes and Approaches To Bypass It. ACS Infectious Diseases, 2015, 1, 512-522.	1.8	442
29	Residue Leu940 Has a Crucial Role in the Linkage and Reaction Specificity of the Glucansucrase GTF180 of the Probiotic Bacterium Lactobacillus reuteri 180. Journal of Biological Chemistry, 2014, 289, 32773-32782.	1.6	33
30	The power of coarse graining in biomolecular simulations. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2014, 4, 225-248.	6.2	423
31	Lipid Organization of the Plasma Membrane. Journal of the American Chemical Society, 2014, 136, 14554-14559.	6.6	734
32	Disaccharides Impact the Lateral Organization of Lipid Membranes. Journal of the American Chemical Society, 2014, 136, 16167-16175.	6.6	55
33	Martini Force Field Parameters for Glycolipids. Journal of Chemical Theory and Computation, 2013, 9, 1694-1708.	2.3	166
34	Computational microscopy of cyclodextrin mediated cholesterol extraction from lipid model membranes. Scientific Reports, 2013, 3, 2071.	1.6	101
35	Molecular view on protein sorting into liquid-ordered membrane domains mediated by gangliosides and lipid anchors. Faraday Discussions, 2013, 161, 347-363.	1.6	76
36	Amylose folding under the influence of lipids. Carbohydrate Research, 2012, 364, 1-7.	1.1	72

#	Article	IF	Citations
37	Molecular Mechanism of Cyclodextrin Mediated Cholesterol Extraction. PLoS Computational Biology, 2011, 7, e1002020.	1.5	165
38	Crystal structure of a 117 kDa glucansucrase fragment provides insight into evolution and product specificity of GH70 enzymes. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21406-21411.	3.3	140
39	Martini Coarse-Grained Force Field: Extension to Carbohydrates. Journal of Chemical Theory and Computation, 2009, 5, 3195-3210.	2.3	363