Alfredo E Cardenas

List of Publications by Year
in descending order

18	526	623574 14	839398 18
papers	citations	h-index	g-index

19	19	19	496
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Unassisted Transport of N-Acetyl-<scp>l</scp>-tryptophanamide through Membrane: Experiment and Simulation of Kinetics. Journal of Physical Chemistry B, 2012, 116, 2739-2750.	1.2	59
2	Kinetics of cytochrome C folding: Atomically detailed simulations. Proteins: Structure, Function and Bioinformatics, 2003, 51, 245-257.	1.5	57
3	Calculating Iso-Committor Surfaces as Optimal Reaction Coordinates with Milestoning. Entropy, 2017, 19, 219.	1.1	51
4	MOIL-opt: Energy-Conserving Molecular Dynamics on a GPU/CPU System. Journal of Chemical Theory and Computation, 2011, 7, 3072-3082.	2.3	47
5	Membrane Permeation of a Peptide: It Is Better to be Positive. Journal of Physical Chemistry B, 2015, 119, 6412-6420.	1.2	44
6	Bridging the Gap between Long Time Trajectories and Reaction Pathways. Advances in Chemical Physics, 2003, , 93-129.	0.3	37
7	Computational study of peptide permeation through membrane: searching for hidden slow variables. Molecular Physics, 2013, 111, 3565-3578.	0.8	37
8	Modeling kinetics and equilibrium of membranes with fields: Milestoning analysis and implication to permeation. Journal of Chemical Physics, 2014, 141, 054101.	1.2	33
9	The Impact of Protonation on Early Translocation of Anthrax Lethal Factor: Kinetics from Molecular Dynamics Simulations and Milestoning Theory. Journal of the American Chemical Society, 2017, 139, 14837-14840.	6.6	30
10	Physiological Calcium Concentrations Slow Dynamics at the Lipid-Water Interface. Biophysical Journal, 2018, 115, 1541-1551.	0.2	30
11	Atomically Detailed Simulations of Helix Formation with the Stochastic Difference Equation. Biophysical Journal, 2003, 85, 2919-2939.	0.2	28
12	Peptide Permeation across a Phosphocholine Membrane: An Atomically Detailed Mechanism Determined through Simulations and Supported by Experimentation. Journal of Physical Chemistry B, 2022, 126, 2834-2849.	1.2	17
13	Markovian and Non-Markovian Modeling of Membrane Dynamics with Milestoning. Journal of Physical Chemistry B, 2016, 120, 8208-8216.	1.2	16
14	Direct Measurement of the Effect of Cholesterol and 6-Ketocholestanol on the Membrane Dipole Electric Field Using Vibrational Stark Effect Spectroscopy Coupled with Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2017, 121, 3424-3436.	1.2	15
15	A peptide-derived strategy for specifically targeting the mitochondria and ER of cancer cells: a new approach in fighting cancer. Chemical Science, 2022, 13, 6929-6941.	3.7	11
16	Calcium-Lipid Interactions Observed with Isotope-Edited Infrared Spectroscopy. Biophysical Journal, 2020, 118, 2694-2702.	0.2	9
17	Dramatic Shape Changes Occur as Cytochrome c Folds. Journal of Physical Chemistry B, 2020, 124, 8240-8248.	1.2	4
18	Molecular Dynamics at Extended Timescales. Israel Journal of Chemistry, 2014, 54, 1302-1310.	1.0	1