David Poger

List of Publications by Year in Descending Order

29 papers	2,052 citations	16 h-index	29 g-index
29 ext. papers	2,406 ext. citations	4 avg, IF	4.99 L-index

#	Paper	IF	Citations
29	Effect of HO on the Structure and Dynamics of Water at the Interface with Phospholipid Bilayers. *Journal of Physical Chemistry B*, **2020**, 124, 1361-1373	3.4	4
28	Curved or linear? Predicting the 3-dimensional structure of helical antimicrobial peptides in an amphipathic environment. *FEBS Letters*, **2020**, 594, 1062-1080	3.8	1
27	Understanding the Activated Form of a Class-I Fusion Protein: Modeling the Interaction of the Ebola Virus Glycoprotein 2 with a Lipid Bilayer. *Biochemistry*, **2020**, 59, 4051-4058	3.2	0
26	Effect of Triclosan and Chloroxylenol on Bacterial Membranes. *Journal of Physical Chemistry B*, **2019**, 123, 5291-5301	3.4	8
25	Could Cardiolipin Protect Membranes against the Action of Certain Antimicrobial Peptides? Aurein 1.2, a Case Study. *ACS Omega*, **2018**, 3, 16453-16464	3.9	10
24	The effect of HO on the membrane morphology and hydrogen bonding of a phospholipid bilayer. *Biophysical Reviews*, **2018**, 10, 1371-1376	3.7	8
23	Do All X-ray Structures of Protein-Ligand Complexes Represent Functional States? EPOR, a Case Study. *Biophysical Journal*, **2017**, 112, 595-604	2.9	5
22	Real Cost of Speed: The Effect of a Time-Saving Multiple-Time-Stepping Algorithm on the Accuracy of Molecular Dynamics Simulations. *Journal of Chemical Theory and Computation*, **2017**, 13, 2367-2372	6.4	36
21	The effect of hydronium ions on the structure of phospholipid membranes. *Physical Chemistry Chemical Physics*, **2017**, 20, 357-366	3.6	12
20	Validating lipid force fields against experimental data: Progress, challenges and perspectives. *Biochimica Et Biophysica Acta - Biomembranes*, **2016**, 1858, 1556-65	3.8	51
19	Revisiting the scissor-like mechanism of activation for the erythropoietin receptor. *FEBS Letters*, **2016**, 590, 3083-8	3.8	1
18	A ring to rule them all: the effect of cyclopropane Fatty acids on the fluidity of lipid bilayers. *Journal of Physical Chemistry B*, **2015**, 119, 5487-95	3.4	80
17	Effect of Ring Size in Alicyclic Fatty Acids on the Structural and Dynamical Properties Associated with Fluidity in Lipid Bilayers. *Langmuir*, **2015**, 31, 11574-82	4	5
16	Determining the structure of interfacial peptide films: comparing neutron reflectometry and molecular dynamics simulations. *Langmuir*, **2014**, 30, 10080-9	4	17
15	Activation of the epidermal growth factor receptor: a series of twists and turns. *Biochemistry*, **2014**, 53, 2710-21	3.2	11
14	Some Like It Hot: The Effect of Sterols and Hopanoids on Lipid Ordering at High Temperature. *Journal of Physical Chemistry Letters*, **2014**, 5, 3953-7	6.4	17
13	Effect of methyl-branched fatty acids on the structure of lipid bilayers. *Journal of Physical Chemistry B*, **2014**, 118, 13838-48	3.4	49

12	Study of Proteins and Peptides at Interfaces by Molecular Dynamics Simulation Techniques **2013**, 291-313		1
11	The relative effect of sterols and hopanoids on lipid bilayers: when comparable is not identical. *Journal of Physical Chemistry B*, **2013**, 117, 16129-40	3.4	39
10	Lipid Bilayers: The Effect of Force Field on Ordering and Dynamics. *Journal of Chemical Theory and Computation*, **2012**, 8, 4807-17	6.4	66
9	Effect of high pressure on fully hydrated DPPC and POPC bilayers. *Journal of Physical Chemistry B*, **2011**, 115, 1038-44	3.4	26
8	An Automated Force Field Topology Builder (ATB) and Repository: Version 1.0. *Journal of Chemical Theory and Computation*, **2011**, 7, 4026-37	6.4	1030
7	Activating the Prolactin Receptor: Effect of the Ligand on the Conformation of the Extracellular Domain. *Journal of Chemical Theory and Computation*, **2010**, 6, 3274-83	6.4	2
6	On the Validation of Molecular Dynamics Simulations of Saturated and cis-Monounsaturated Phosphatidylcholine Lipid Bilayers: A Comparison with Experiment. *Journal of Chemical Theory and Computation*, **2010**, 6, 325-36	6.4	232
5	A new force field for simulating phosphatidylcholine bilayers. *Journal of Computational Chemistry*, **2010**, 31, 1117-25	3.5	261
4	Turning the growth hormone receptor on: evidence that hormone binding induces subunit rotation. *Proteins: Structure, Function and Bioinformatics*, **2010**, 78, 1163-74	4.2	17
3	Interplay between glutathione, Atx1 and copper: X-ray absorption spectroscopy determination of Cu(I) environment in an Atx1 dimer. *Journal of Biological Inorganic Chemistry*, **2008**, 13, 1239-48	3.7	23
2	New model potentials for sulfur-copper(I) and sulfur-mercury(II) interactions in proteins: from ab initio to molecular dynamics. *Journal of Computational Chemistry*, **2006**, 27, 837-56	3.5	20
1	Molecular dynamics study of the metallochaperone Hah1 in its apo and Cu(I)-loaded states: role of the conserved residue M10. *FEBS Letters*, **2005**, 579, 5287-92	3.8	20