Anthony R Braun

List of Publications by Year
in descending order

25	916	516561 16	713332 21
papers	citations	h-index	g-index

29	29	29	1788
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Potent inhibitors of toxic alpha-synuclein identified via cellular time-resolved FRET biosensors. Npj Parkinson's Disease, 2021, 7, 52.	2.5	22
2	Targeting the ensemble of heterogeneous tau oligomers in cells: A novel small molecule screening platform for tauopathies. Alzheimer's and Dementia, 2019, 15, 1489-1502.	0.4	53
3	Computational Studies of Alpha-Synuclein Fibril Formation and Stability. Biophysical Journal, 2018, 114, 230a.	0.2	0
4	Î±-Synucleinâ€™s Uniquely Long Amphipathic Helix Enhances its Membrane Binding and Remodeling Capacity. Journal of Membrane Biology, 2017, 250, 183-193.	1.0	27
5	Minimal Nucleation State of Î±-Synuclein Is Stabilized by Dynamic Threonineâ€“Water Networks. ACS Chemical Neuroscience, 2017, 8, 1859-1864.	1.7	10
6	Polyunsaturated chains in asymmetric lipids disorder raft mixtures and preferentially associate with Î±-Synuclein. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 529-536.	1.4	12
7	Death Receptor 5 Networks Require Membrane Cholesterol for Proper Structure and Function. Journal of Molecular Biology, 2016, 428, 4843-4855.	2.0	15
8	Membrane remodeling and mechanics: Experiments and simulations of Î±-Synuclein. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 1594-1609.	1.4	43
9	Î±-Synuclein Reduces Tension and Increases Undulations in Simulations of Small Unilamellar Vesicles. Biophysical Journal, 2015, 108, 1848-1851.	0.2	18
10	Open and Closed Conformations of the Isolated Transmembrane Domain of Death Receptor 5 Support a New Model of Activation. Biophysical Journal, 2014, 106, L21-L24.	0.2	16
11	X-ray structure, thermodynamics, elastic properties and MD simulations of cardiolipin/dimyristoylphosphatidylcholine mixed membranes. Chemistry and Physics of Lipids, 2014, 178, 1-10.	1.5	42
12	Determining Structural and Mechanical Properties from Molecular Dynamics Simulations of Lipid Vesicles. Journal of Chemical Theory and Computation, 2014, 10, 4160-4168.	2.3	25
13	Î±-Synuclein-Induced Membrane Remodeling Is Driven by Binding Affinity, Partition Depth, and Interleaflet Order Asymmetry. Journal of the American Chemical Society, 2014, 136, 9962-9972.	6.6	90
14	Quantitative Analysis of Ligand-Induced Supramolecular Clustering of Death Receptor 5 in Jurkat Cells. Biophysical Journal, 2014, 106, 715a.	0.2	0
15	Î±-Synuclein Induced Membrane Curvature: What is the Significance of Negative Gaussian Curvature. Biophysical Journal, 2013, 104, 95a.	0.2	0
16	Comparing Simulations of Lipid Bilayers to Scattering Data: The GROMOS 43A1-S3 Force Field. Journal of Physical Chemistry B, 2013, 117, 5065-5072.	1.2	47
17	The Nature of Membrane Curvature-Induction by Amphipathic Î±-Helices Relies upon Protein Length: Simulations of Î±-Synuclein and H0. Biophysical Journal, 2012, 102, 237a.	0.2	1
18	Î±-Synuclein Induces Both Positive Mean Curvature and Negative Gaussian Curvature in Membranes. Journal of the American Chemical Society, 2012, 134, 2613-2620.	6.6	108

#	Article	IF	Citations
19	Tumor Necrosis Factor-related Apoptosis-inducing Ligand (TRAIL) Induces Death Receptor 5 Networks That Are Highly Organized. Journal of Biological Chemistry, 2012, 287, 21265-21278.	1.6	70
20	Determination of Electron Density Profiles and Area from Simulations of Undulating Membranes. Biophysical Journal, 2011, 100, 2112-2120.	0.2	54
21	Interpretation of Fluctuation Spectra in Lipid Bilayer Simulations. Biophysical Journal, 2011, 100, 2104-2111.	0.2	117
22	Extracting Experimental Measurables from Molecular Dynamics Simulations of Membranes. Annual Reports in Computational Chemistry, 2011, , 125-150.	0.9	5
23	NaCl Interactions with Phosphatidylcholine Bilayers Do Not Alter Membrane Structure but Induce Long-Range Ordering of Ions and Water. Journal of Membrane Biology, 2011, 244, 35-42.	1.0	38
24	Probing the Membrane Deformations Induced by Binding of Membrane Proteins: Alpha-Synuclein and CRAC. Biophysical Journal, 2010, 98, 487a-488a.	0.2	0
25	Curvature Dynamics of Î±-Synuclein Familial Parkinson Disease Mutants. Journal of Biological Chemistry, 2009, 284, 7177-7189.	1.6	97