Anna L Duncan

List of Publications by Year
in descending order

22	1,194	566801 15	676716 22
papers	citations	h-index	g-index

27	27	27	1876
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Supramolecular assemblies underpin turnover of outer membrane proteins in bacteria. Nature, 2015, 523, 333-336.	13.7	170
2	Molecular dynamics simulations of membrane proteins and their interactions: from nanoscale to mesoscale. Current Opinion in Structural Biology, 2016, 40, 8-16.	2.6	131
3	Lipid-Dependent Regulation of Ion Channels and G Proteinâ€“Coupled Receptors: Insights from Structures and Simulations. Annual Review of Pharmacology and Toxicology, 2020, 60, 31-50.	4.2	117
4	Cardiolipin binds selectively but transiently to conserved lysine residues in the rotor of metazoan ATP synthases. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8687-8692.	3.3	116
5	Membrane stiffness is modified by integral membrane proteins. Soft Matter, 2016, 12, 7792-7803.	1.2	90
6	Defining how multiple lipid species interact with inward rectifier potassium (Kir2) channels. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7803-7813.	3.3	83
7	PyLipID: A Python Package for Analysis of Proteinâ€“Lipid Interactions from Molecular Dynamics Simulations. Journal of Chemical Theory and Computation, 2022, 18, 1188-1201.	2.3	69
8	Protein crowding and lipid complexity influence the nanoscale dynamic organization of ion channels in cell membranes. Scientific Reports, 2017, 7, 16647.	1.6	68
9	Alternative translation initiation augments the human mitochondrial proteome. Nucleic Acids Research, 2013, 41, 2354-2369.	6.5	56
10	How nanoscale protein interactions determine the mesoscale dynamic organisation of bacterial outer membrane proteins. Nature Communications, 2018, 9, 2846.	5.8	49
11	Identification and assessment of cardiolipin interactions with E. coli inner membrane proteins. Science Advances, 2021, 7, .	4.7	49
12	Cardiolipin dynamics and binding to conserved residues in the mitochondrial ADP/ATP carrier. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 1035-1045.	1.4	45
13	Interactions of the EphA2 Kinase Domain with PIPs in Membranes: Implications for Receptor Function. Structure, 2018, 26, 1025-1034.e2.	1.6	33
14	Membrane Compartmentalization Reducing the Mobility of Lipids and Proteins within a Model Plasma Membrane. Journal of Physical Chemistry B, 2016, 120, 8873-8881.	1.2	24
15	Analysis of water patterns in protein kinase binding sites. Proteins: Structure, Function and Bioinformatics, 2011, 79, 2109-2121.	1.5	22
16	Monolysocardiolipin (MLCL) interactions with mitochondrial membrane proteins. Biochemical Society Transactions, 2020, 48, 993-1004.	1.6	14
17	More Favorable Palmitic Acid Over Palmitoleic Acid Modification of Wnt3 Ensures Its Localization and Activity in Plasma Membrane Domains. Frontiers in Cell and Developmental Biology, 2019, 7, 281.	1.8	10
18	What have molecular simulations contributed to understanding of Gram-negative bacterial cell envelopes?. Microbiology (United Kingdom), 2022, 168, .	0.7	10

#	Article	IF	Citations
19	Origin and diversification of the cardiolipin biosynthetic pathway in the Eukarya domain. Biochemical Society Transactions, 2020, 48, 1035-1046.	1.6	8
20	Modulation of adenosine A2a receptor oligomerization by receptor activation and PIP2 interactions. Structure, 2021, 29, 1312-1325.e3.	1.6	6
21	Computational Investigation of Voltage-Gated Sodium Channel Î²3 Subunit Dynamics. Frontiers in Molecular Biosciences, 2020, 7, 40.	1.6	4
22	The guidance and adhesion protein FLRT2 dimerizes in cis via dual small-X3-small transmembrane motifs. Structure, 2022, 30, 1354-1365.e5.	1.6	4