Amanda Buyan

List of Publications by Year
in descending order

11 papers	191 citations	1478505 6 h-index	1372567 10 g-index
11 all docs	11 docs citations	11 times ranked	334 citing authors

#	Article	IF	Citations
1	Piezo1 Forms Specific, Functionally Important Interactions with Phosphoinositides and Cholesterol. Biophysical Journal, 2020, 119, 1683-1697.	0.5	60
2	Protonation state of inhibitors determines interaction sites within voltage-gated sodium channels. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3135-E3144.	7.1	38
3	Sidekick for Membrane Simulations: Automated Ensemble Molecular Dynamics Simulations of Transmembrane Helices. Journal of Chemical Theory and Computation, 2014, 10, 2165-2175.	5.3	27
4	Primary and Secondary Dimer Interfaces of the Fibroblast Growth Factor Receptor 3 Transmembrane Domain: Characterization via Multiscale Molecular Dynamics Simulations. Biochemistry, 2014, 53, 323-332.	2.5	24
5	Multiscale Simulations Suggest a Mechanism for the Association of the Dok7 PH Domain with PIP-Containing Membranes. PLoS Computational Biology, 2016, 12, e1005028.	3.2	24
6	ReplicOpter: A replicate optimizer for flexible docking. Proteins: Structure, Function and Bioinformatics, 2010, 78, 3156-3165.	2.6	6
7	Voltage-Gated Sodium Channel Pharmacology. Advances in Pharmacology, 2017, 79, 255-285.	2.0	4
8	Differences in local anaesthetic and antiepileptic binding in the inactivated state of human sodium channel Nav1.4. Biophysical Journal, 2021, 120, 5553-5563.	0.5	4
9	Computational studies of Piezo1 yield insights into key lipidâ€“protein interactions, channel activation, and agonist binding. Biophysical Reviews, 2022, 14, 209-219.	3.2	3
10	In pursuit of a selective hepatocellular carcinoma therapeutic agent: Novel thalidomide derivatives with antiproliferative, antimigratory and STAT3 inhibitory properties. European Journal of Medicinal Chemistry, 2021, 217, 113353.	5.5	1
11	Initiating Coarse-Grained MD Simulations for Membrane-Bound Proteins. Methods in Molecular Biology, 2022, 2402, 131-141.	0.9	0