

Tyler Reddy

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8313126/publications.pdf>

Version: 2024-02-01

12
papers

29,690
citations

933447

10
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

33905
citing authors

#	ARTICLE	IF	CITATIONS
1	SciPy 1.0: fundamental algorithms for scientific computing in Python. Nature Methods, 2020, 17, 261-272.	19.0	17,539
2	Array programming with NumPy. Nature, 2020, 585, 357-362.	27.8	10,143
3	MDAnalysis: A Python Package for the Rapid Analysis of Molecular Dynamics Simulations. , 2016, , .		790
4	Nothing to Sneeze At: A Dynamic and Integrative Computational Model of an Influenza A Virion. Structure, 2015, 23, 584-597.	3.3	90
5	The Role of the Membrane in the Structure and Biophysical Robustness of the Dengue Virion Envelope. Structure, 2016, 24, 375-382.	3.3	81
6	Protein crowding and lipid complexity influence the nanoscale dynamic organization of ion channels in cell membranes. Scientific Reports, 2017, 7, 16647.	3.3	68
7	How nanoscale protein interactions determine the mesoscale dynamic organisation of bacterial outer membrane proteins. Nature Communications, 2018, 9, 2846.	12.8	49
8	Computational virology: From the inside out. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 1610-1618.	2.6	46
9	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
10	Membrane Compartmentalization Reducing the Mobility of Lipids and Proteins within a Model Plasma Membrane. Journal of Physical Chemistry B, 2016, 120, 8873-8881.	2.6	24
11	Scalable Analysis of Authentic Viral Envelopes on FRONTERA. Computing in Science and Engineering, 2020, 22, 11-20.	1.2	10
12	Full scale structural, mechanical and dynamical properties of HIV-1 liposomes. PLoS Computational Biology, 2022, 18, e1009781.	3.2	9