

Alvin Yu

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

489
citations

840776

11
h-index

1058476

14
g-index

18
all docs

18
docs citations

18
times ranked

572
citing authors

#	ARTICLE	IF	CITATIONS
1	Cooperative multivalent receptor binding promotes exposure of the SARS-CoV-2 fusion machinery core. <i>Nature Communications</i> , 2022, 13, 1002.	12.8	30
2	Strain and rupture of HIV-1 capsids during uncoating. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2117781119.	7.1	21
3	A multiscale coarse-grained model of the SARS-CoV-2 virion. <i>Biophysical Journal</i> , 2021, 120, 1097-1104.	0.5	139
4	Integrin-based mechanosensing through conformational deformation. <i>Biophysical Journal</i> , 2021, 120, 4349-4359.	0.5	10
5	Stability and molecular pathways to the formation of spin defects in silicon carbide. <i>Nature Communications</i> , 2021, 12, 6325.	12.8	9
6	Temperature and Phase Transferable Bottom-up Coarse-Grained Models. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 6823-6842.	5.3	36
7	Atomic-scale characterization of mature HIV-1 capsid stabilization by inositol hexakisphosphate (IP) Tj ETQq1 1 0.784314 rgBT /Overlo	10.3	30
8	TRIM5 α self-assembly and compartmentalization of the HIV-1 viral capsid. <i>Nature Communications</i> , 2020, 11, 1307.	12.8	51
9	Off-Pathway Assembly: A Broad-Spectrum Mechanism of Action for Drugs That Undermine Controlled HIV-1 Viral Capsid Formation. <i>Journal of the American Chemical Society</i> , 2019, 141, 10214-10224.	13.7	38
10	Neurotransmitter Funneling Optimizes Glutamate Receptor Kinetics. <i>Neuron</i> , 2018, 97, 139-149.e4.	8.1	25
11	Glutamate and Glycine Binding to the NMDA Receptor. <i>Structure</i> , 2018, 26, 1035-1043.e2.	3.3	42
12	Energetics of Glutamate Binding to an Ionotropic Glutamate Receptor. <i>Journal of Physical Chemistry B</i> , 2017, 121, 10436-10442.	2.6	18
13	Molecular lock regulates binding of glycine to a primitive NMDA receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6786-E6795.	7.1	30
14	Computing Conformational Free Energies of iGluR Ligand-Binding Domains. <i>Neuromethods</i> , 2016, , 119-132.	0.3	4