Srirupa Chakraborty

List of Publications by Year
in descending order

21	522	1039880 9	1058333 14
papers	citations	h-index	g-index

28	28	28	1156
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The SARS-CoV-2 Spike variant D614G favors an open conformational state. Science Advances, 2021, 7, .	4.7	156
2	HIV-1 and SARS-CoV-2: Patterns in the evolution of two pandemic pathogens. Cell Host and Microbe, 2021, 29, 1093-1110.	5.1	73
3	Visualization of the HIV-1 Env glycan shield across scales. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28014-28025.	3.3	57
4	A mechanism for acetylcholine receptor gating based on structure, coupling, phi, and flip. Journal of General Physiology, 2017, 149, 85-103.	0.9	47
5	Exploring the Role of Glycans in the Interaction of SARS-CoV-2 RBD and Human Receptor ACE2. Viruses, 2021, 13, 927.	1.5	29
6	Emergence of Alternative Structures in Amyloid Beta 1-42 Monomeric Landscape by N-terminal Hexapeptide Amyloid Inhibitors. Scientific Reports, 2017, 7, 9941.	1.6	23
7	Functional differences between neurotransmitter binding sites of muscle acetylcholine receptors. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17660-17665.	3.3	22
8	Decrypting the Structural, Dynamic, and Energetic Basis of a Monomeric Kinesin Interacting with a Tubulin Dimer in Three ATPase States by All-Atom Molecular Dynamics Simulation. Biochemistry, 2015, 54, 859-869.	1.2	14
9	Structural correlates of affinity in fetal versus adult endplate nicotinic receptors. Nature Communications, 2016, 7, 11352.	5.8	14
10	Quantification of the Resilience and Vulnerability of HIV-1 Native Glycan Shield at Atomistic Detail. IScience, 2020, 23, 101836.	1.9	11
11	Function of the M1 Ï€â€helix in endplate receptor activation and desensitization. Journal of Physiology, 2015, 593, 2851-2866.	1.3	10
12	Development of Martini 2.2 parameters forN-glycans: a case study of the HIV-1 Env glycoprotein dynamics. Glycobiology, 2021, 31, 787-799.	1.3	7
13	Graph-Directed Approach for Downselecting Toxins for Experimental Structure Determination. Marine Drugs, 2020, 18, 256.	2.2	4
14	Quantification of the Resilience and Vulnerability of HIV-1 Native Glycan Shield at Atomistic Detail. SSRN Electronic Journal, 0, , .	0.4	4
15	A neutralizing antibody target in early HIV-1 infection was recapitulated in rhesus macaques immunized with the transmitted/founder envelope sequence. PLoS Pathogens, 2022, 18, e1010488.	2.1	3
16	A Comparative Study of the Major Biochemical States of Kinesin-MT Complex using Computational Techniques and All-Atom Structural Models. Biophysical Journal, 2014, 106, 443a.	0.2	0
17	Molecular Simulations of Muscle AChR Agonist Binding Sites. Biophysical Journal, 2015, 108, 429a.	0.2	0
18	Decrypting the Structural, Dynamic and Energetic Basis of Kinesin Interacting with Tubulin Dimer in Three ATPase States by All-Atom Molecular Dynamics Simulation. Biophysical Journal, 2015, 108, 134a.	0.2	0

#	Article	IF	Citations
19	Simulations of Endplate AChRs: Agonist Site Î²-Sheet and M1 Ï€-Helix. Biophysical Journal, 2016, 110, 603a-604a.	0.2	0
20	Between the Sheets: Inter-Subunit Backbone Interactions at AChR Neurotransmitter Binding Sites. Biophysical Journal, 2016, 110, 604a.	0.2	0
21	Acetylcholine Receptor Gating: Click-Twist-Tilt-Rip-Pop. Biophysical Journal, 2017, 112, 552a.	0.2	0