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	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
2	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
3	The SARS-CoV-2 Spike variant D614G favors an open conformational state. Science Advances, 2021, 7, .	4.7	156
4	Exploring the Role of Glycans in the Interaction of SARS-CoV-2 RBD and Human Receptor ACE2. Viruses, 2021, 13, 927.	1.5	29
5	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
6	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
7	Quantification of the Resilience and Vulnerability of HIV-1 Native Glycan Shield at Atomistic Detail. IScience, 2020, 23, 101836.	1.9	11
8	Graph-Directed Approach for Downselecting Toxins for Experimental Structure Determination. Marine Drugs, 2020, 18, 256.	2.2	4
9	Acetylcholine Receptor Gating: Click-Twist-Tilt-Rip-Pop. Biophysical Journal, 2017, 112, 552a.	0.2	0
10	A mechanism for acetylcholine receptor gating based on structure, coupling, phi, and flip. Journal of General Physiology, 2017, 149, 85-103.	0.9	47
11	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
12	Structural correlates of affinity in fetal versus adult endplate nicotinic receptors. Nature Communications, 2016, 7, 11352.	5.8	14
13	Simulations of Endplate AChRs: Agonist Site Î²-Sheet and M1 Ï€-Helix. Biophysical Journal, 2016, 110, 603a-604a.	0.2	0
14	Between the Sheets: Inter-Subunit Backbone Interactions at AChR Neurotransmitter Binding Sites. Biophysical Journal, 2016, 110, 604a.	0.2	0
15	Molecular Simulations of Muscle AChR Agonist Binding Sites. Biophysical Journal, 2015, 108, 429a.	0.2	0
16	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
17	Function of the M1 Ï€â€helix in endplate receptor activation and desensitization. Journal of Physiology, 2015, 593, 2851-2866.	1.3	10
18	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

#	Article	IF	Citations
19	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
20	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
21	Quantification of the Resilience and Vulnerability of HIV-1 Native Glycan Shield at Atomistic Detail. SSRN Electronic Journal, 0, , .	0.4	4