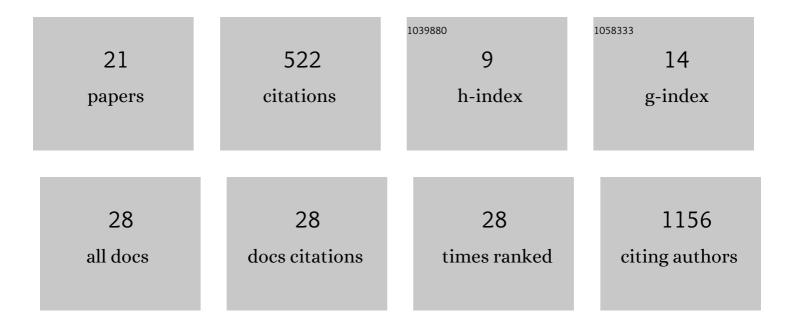
Srirupa Chakraborty

List of Publications by Year in descending order

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| # | 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 for <i>N</i> -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 β-Sheet and M1 π-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 | Ο |