

Christopher T Lee

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27
papers

484
citations

9
h-index

22
g-index

32
ext. papers

632
ext. citations

8.4
avg, IF

3.91
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 27 | Benchmarking ensemble docking methods in D3R Grand Challenge 4.. <i>Journal of Computer-Aided Molecular Design</i> , 2022 , 36, 87 | 4.2 | |
| 26 | Morphological principles of neuronal mitochondria. <i>Journal of Comparative Neurology</i> , 2021 , | 3.4 | 1 |
| 25 | Independent Markov decomposition: Toward modeling kinetics of biomolecular complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118, | 11.5 | 3 |
| 24 | Value of models for membrane budding. <i>Current Opinion in Cell Biology</i> , 2021 , 71, 38-45 | 9 | 2 |
| 23 | An Open-Source Mesh Generation Platform for Biophysical Modeling Using Realistic Cellular Geometries. <i>Biophysical Journal</i> , 2020 , 118, 1003-1008 | 2.9 | 7 |
| 22 | Applications and Challenges of Machine Learning to Enable Realistic Cellular Simulations. <i>Frontiers in Physics</i> , 2020 , 7, | 3.9 | 5 |
| 21 | 3D mesh processing using GAMer 2 to enable reaction-diffusion simulations in realistic cellular geometries. <i>PLoS Computational Biology</i> , 2020 , 16, e1007756 | 5 | 19 |
| 20 | 3D mesh processing using GAMer 2 to enable reaction-diffusion simulations in realistic cellular geometries 2020 , 16, e1007756 | | |
| 19 | 3D mesh processing using GAMer 2 to enable reaction-diffusion simulations in realistic cellular geometries 2020 , 16, e1007756 | | |
| 18 | 3D mesh processing using GAMer 2 to enable reaction-diffusion simulations in realistic cellular geometries 2020 , 16, e1007756 | | |
| 17 | 3D mesh processing using GAMer 2 to enable reaction-diffusion simulations in realistic cellular geometries 2020 , 16, e1007756 | | |
| 16 | 3D mesh processing using GAMer 2 to enable reaction-diffusion simulations in realistic cellular geometries 2020 , 16, e1007756 | | |
| 15 | 3D mesh processing using GAMer 2 to enable reaction-diffusion simulations in realistic cellular geometries 2020 , 16, e1007756 | | |
| 14 | Structural basis for ligand modulation of the CCR2 conformational landscape. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 8131-8136 | 11.5 | 16 |
| 13 | The Implementation of the Colored Abstract Simplicial Complex and its Application to Mesh Generation. <i>ACM Transactions on Mathematical Software</i> , 2019 , 45, | 2.3 | 6 |
| 12 | Quantitative Ranking of Ligand Binding Kinetics with a Multiscale Milestoning Simulation Approach. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 4941-4948 | 6.4 | 24 |
| 11 | Exascale Computing: A New Dawn for Computational Biology. <i>Computing in Science and Engineering</i> , 2018 , 20, 18-25 | 1.5 | 13 |

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| 10 | Two Relations to Estimate Membrane Permeability Using Milestoning. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 8606-16 | 3.4 | 26 |
| 9 | Simulation-Based Approaches for Determining Membrane Permeability of Small Compounds. <i>Journal of Chemical Information and Modeling</i> , 2016 , 56, 721-33 | 6.1 | 127 |
| 8 | Emerging Computational Methods for the Rational Discovery of Allosteric Drugs. <i>Chemical Reviews</i> , 2016 , 116, 6370-90 | 68.1 | 140 |
| 7 | Known structure, unknown function: An inquiry-based undergraduate biochemistry laboratory course. <i>Biochemistry and Molecular Biology Education</i> , 2015 , 43, 245-62 | 1.3 | 29 |
| 6 | On the Application of Molecular-Dynamics Based Markov State Models to Functional Proteins. <i>Journal of Chemical Theory and Computation</i> , 2014 , 10, 2648-2657 | 6.4 | 57 |
| 5 | Structural basis for ligand modulation of the CCR2 conformational landscape | | 1 |
| 4 | Benchmarking ensemble docking methods as a scientific outreach project | | 1 |
| 3 | GAMer 2: A System for 3D Mesh Processing of Cellular Electron Micrographs | | 4 |
| 2 | An Open Source Mesh Generation Platform for Biophysical Modeling Using Realistic Cellular Geometries | | 1 |
| 1 | Independent Markov Decomposition: Towards modeling kinetics of biomolecular complexes | | 2 |