# Christopher T Lee

## List of Publications by Citations



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|---|---|---|---|
| 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 | Emerging Computational Methods for the Rational Discovery of Allosteric Drugs. *Chemical Reviews*, **2016**, 116, 6370-90 | 68.1 | 140 |
| 26 | Simulation-Based Approaches for Determining Membrane Permeability of Small Compounds. *Journal of Chemical Information and Modeling*, **2016**, 56, 721-33 | 6.1 | 127 |
| 25 | On the Application of Molecular-Dynamics Based Markov State Models to Functional Proteins. *Journal of Chemical Theory and Computation*, **2014**, 10, 2648-2657 | 6.4 | 57 |
| 24 | Known structure, unknown function: An inquiry-based undergraduate biochemistry laboratory course. *Biochemistry and Molecular Biology Education*, **2015**, 43, 245-62 | 1.3 | 29 |
| 23 | Two Relations to Estimate Membrane Permeability Using Milestoning. *Journal of Physical Chemistry B*, **2016**, 120, 8606-16 | 3.4 | 26 |
| 22 | Quantitative Ranking of Ligand Binding Kinetics with a Multiscale Milestoning Simulation Approach. *Journal of Physical Chemistry Letters*, **2018**, 9, 4941-4948 | 6.4 | 24 |
| 21 | 3D mesh processing using GAMer 2 to enable reaction-diffusion simulations in realistic cellular geometries. *PLoS Computational Biology*, **2020**, 16, e1007756 | 5 | 19 |
| 20 | Structural basis for ligand modulation of the CCR2 conformational landscape. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 8131-8136 | 11.5 | 16 |
| 19 | Exascale Computing: A New Dawn for Computational Biology. *Computing in Science and Engineering* , **2018**, 20, 18-25 | 1.5 | 13 |
| 18 | An Open-Source Mesh Generation Platform for Biophysical Modeling Using Realistic Cellular Geometries. *Biophysical Journal*, **2020**, 118, 1003-1008 | 2.9 | 7 |
| 17 | The Implementation of the Colored Abstract Simplicial Complex and its Application to Mesh Generation. *ACM Transactions on Mathematical Software*, **2019**, 45, | 2.3 | 6 |
| 16 | Applications and Challenges of Machine Learning to Enable Realistic Cellular Simulations. *Frontiers in Physics*, **2020**, 7, | 3.9 | 5 |
| 15 | GAMer 2: A System for 3D Mesh Processing of Cellular Electron Micrographs | | 4 |
| 14 | Independent Markov decomposition: Toward modeling kinetics of biomolecular complexes. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118, | 11.5 | 3 |
| 13 | Independent Markov Decomposition: Towards modeling kinetics of biomolecular complexes | | 2 |
| 12 | Value of models for membrane budding. *Current Opinion in Cell Biology*, **2021**, 71, 38-45 | 9 | 2 |
| 11 | Morphological principles of neuronal mitochondria. *Journal of Comparative Neurology*, **2021**, | 3.4 | 1 |

# List of Publications

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|---|---|---|
| 10 | Structural basis for ligand modulation of the CCR2 conformational landscape | 1 |
| 9 | Benchmarking ensemble docking methods as a scientific outreach project | 1 |
| 8 | An Open Source Mesh Generation Platform for Biophysical Modeling Using Realistic Cellular Geometries | 1 |
| 7 | Benchmarking ensemble docking methods in D3R Grand Challenge 4.. *Journal of Computer-Aided Molecular Design*, **2022**, 36, 87 | 4.2 |
| 6 | 3D mesh processing using GAMer 2 to enable reaction-diffusion simulations in realistic cellular geometries **2020**, 16, e1007756 | |
| 5 | 3D mesh processing using GAMer 2 to enable reaction-diffusion simulations in realistic cellular geometries **2020**, 16, e1007756 | |
| 4 | 3D mesh processing using GAMer 2 to enable reaction-diffusion simulations in realistic cellular geometries **2020**, 16, e1007756 | |
| 3 | 3D mesh processing using GAMer 2 to enable reaction-diffusion simulations in realistic cellular geometries **2020**, 16, e1007756 | |
| 2 | 3D mesh processing using GAMer 2 to enable reaction-diffusion simulations in realistic cellular geometries **2020**, 16, e1007756 | |
| 1 | 3D mesh processing using GAMer 2 to enable reaction-diffusion simulations in realistic cellular geometries **2020**, 16, e1007756 | |