

Owen N Vickery

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Structural basis of lipopolysaccharide maturation by the O-antigen ligase. <i>Nature</i> , 2022, 604, 371-376. | 27.8 | 25 |
| 2 | CG2AT2: an Enhanced Fragment-Based Approach for Serial Multi-scale Molecular Dynamics Simulations. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 6472-6482. | 5.3 | 64 |
| 3 | Structures of the stator complex that drives rotation of the bacterial flagellum. <i>Nature Microbiology</i> , 2020, 5, 1553-1564. | 13.3 | 131 |
| 4 | Characterizing Membrane Association and Periplasmic Transfer of Bacterial Lipoproteins through Molecular Dynamics Simulations. <i>Structure</i> , 2020, 28, 475-487.e3. | 3.3 | 15 |
| 5 | Insights into Membrane Protein-Lipid Interactions from Free Energy Calculations. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 5727-5736. | 5.3 | 70 |
| 6 | Intracellular Transfer of Na ⁺ in an Active-State G-Protein-Coupled Receptor. <i>Structure</i> , 2018, 26, 171-180.e2. | 3.3 | 77 |
| 7 | In Silico and Structural Analyses Demonstrate That Intrinsic Protein Motions Guide T Cell Receptor Complementarity Determining Region Loop Flexibility. <i>Frontiers in Immunology</i> , 2018, 9, 674. | 4.8 | 26 |
| 8 | Direct knock-on of desolvated ions governs strict ion selectivity in K ⁺ channels. <i>Nature Chemistry</i> , 2018, 10, 813-820. | 13.6 | 170 |
| 9 | Modulation of the <i>Neisseria gonorrhoeae</i> drug efflux conduit MtrE. <i>Scientific Reports</i> , 2017, 7, 17091. | 3.3 | 6 |
| 10 | Membrane potentials regulating GPCRs: insights from experiments and molecular dynamics simulations. <i>Current Opinion in Pharmacology</i> , 2016, 30, 44-50. | 3.5 | 32 |
| 11 | Structural Mechanisms of Voltage Sensing in G-Protein-Coupled Receptors. <i>Structure</i> , 2016, 24, 997-1007. | 3.3 | 48 |
| 12 | Beyond the Antigen Receptor: Editing the Genome of T-Cells for Cancer Adoptive Cellular Therapies. <i>Frontiers in Immunology</i> , 2013, 4, 221. | 4.8 | 37 |