

Nicholas Michael Ian Taylor

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,639
citations

430874

18
h-index

610901

24
g-index

36
all docs

36
docs citations

36
times ranked

3462
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Cryo-EM structure of alpha-synuclein fibrils. <i>ELife</i> , 2018, 7, . | 6.0 | 444 |
| 2 | Structure of the human multidrug transporter ABCG2. <i>Nature</i> , 2017, 546, 504-509. | 27.8 | 332 |
| 3 | Structural basis of small-molecule inhibition of human multidrug transporter ABCG2. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 333-340. | 8.2 | 258 |
| 4 | Structure of the T4 baseplate and its function in triggering sheath contraction. <i>Nature</i> , 2016, 533, 346-352. | 27.8 | 231 |
| 5 | Two new polymorphic structures of human full-length alpha-synuclein fibrils solved by cryo-electron microscopy. <i>ELife</i> , 2019, 8, . | 6.0 | 220 |
| 6 | Cryo-EM structures of a human ABCG2 mutant trapped in ATP-bound and substrate-bound states. <i>Nature</i> , 2018, 563, 426-430. | 27.8 | 188 |
| 7 | Crystal structure of the 14-subunit RNA polymerase σ . <i>Nature</i> , 2013, 502, 644-649. | 27.8 | 179 |
| 8 | Structure and Function of Stator Units of the Bacterial Flagellar Motor. <i>Cell</i> , 2020, 183, 244-257.e16. | 28.9 | 151 |
| 9 | Contractile injection systems of bacteriophages and related systems. <i>Molecular Microbiology</i> , 2018, 108, 6-15. | 2.5 | 119 |
| 10 | The Elongator subcomplex Elp456 is a hexameric RecA-like ATPase. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 314-320. | 8.2 | 85 |
| 11 | Structure and Function of the Branched Receptor-Binding Complex of Bacteriophage CBA120. <i>Journal of Molecular Biology</i> , 2019, 431, 3718-3739. | 4.2 | 67 |
| 12 | Architecture of TFIIC and its role in RNA polymerase III pre-initiation complex assembly. <i>Nature Communications</i> , 2015, 6, 7387. | 12.8 | 57 |
| 13 | Cryo-EM structure of the rhodopsin-G α β complex reveals binding of the rhodopsin C-terminal tail to the g β subunit. <i>ELife</i> , 2019, 8, . | 6.0 | 52 |
| 14 | Refined Cryo-EM Structure of the T4 Tail Tube: Exploring the Lowest Dose Limit. <i>Structure</i> , 2017, 25, 1436-1441.e2. | 3.3 | 40 |
| 15 | FAM111 protease activity undermines cellular fitness and is amplified by gain-of-function mutations in human disease. <i>EMBO Reports</i> , 2020, 21, e50662. | 4.5 | 37 |
| 16 | Structural basis of torque generation in the bi-directional bacterial flagellar motor. <i>Trends in Biochemical Sciences</i> , 2022, 47, 160-172. | 7.5 | 35 |
| 17 | Structure and transformation of bacteriophage A511 baseplate and tail upon infection of <i>Listeria</i> cells. <i>EMBO Journal</i> , 2019, 38, . | 7.8 | 34 |
| 18 | RNA polymerase III-specific general transcription factor IIC contains a heterodimer resembling TFIIF Rap30/Rap74. <i>Nucleic Acids Research</i> , 2013, 41, 9183-9196. | 14.5 | 23 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Solving the RNA polymerase I structural puzzle. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 2570-2582. | 2.5 | 23 |
| 20 | Structural and Functional Characterization of a Phosphatase Domain within Yeast General Transcription Factor IIIC. Journal of Biological Chemistry, 2013, 288, 15110-15120. | 3.4 | 13 |
| 21 | Structural basis for recognition of bacterial cell wall teichoic acid by pseudo-symmetric SH3b-like repeats of a viral peptidoglycan hydrolase. Chemical Science, 2021, 12, 576-589. | 7.4 | 11 |
| 22 | Cryo-EM structure of native human thyroglobulin. Nature Communications, 2022, 13, 61. | 12.8 | 9 |
| 23 | Membrane Protein Cryo-EM: Cryo-Grid Optimization and Data Collection with Protein in Detergent. Methods in Molecular Biology, 2020, 2127, 227-244. | 0.9 | 4 |
| 24 | Cryo-EM of the Bacteriophage Tail Tube at Better than 3.5 Å... Resolution. Biophysical Journal, 2017, 112, 573a-574a. | 0.5 | 1 |
| 25 | Tail Structure and Dynamics. , 2021, , 186-193. | | 0 |
| 26 | Structural studies of the RNA polymerase III transcription factor IIIC. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C821-C821. | 0.3 | 0 |
| 27 | Backstage the RNA Polymerase I Structure: The Art of Crystallography. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C330-C330. | 0.1 | 0 |
| 28 | Bacterial Swimming. Inference, 2022, 7, . | 0.0 | 0 |