

Christopher L De Graffenried

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

882
citations

687363

13
h-index

552781

26
g-index

30
all docs

30
docs citations

30
times ranked

836
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | A Fluorogenic Dye Activated by the Staudinger Ligation. <i>Journal of the American Chemical Society</i> , 2003, 125, 4708-4709. | 13.7 | 192 |
| 2 | The roles of enzyme localisation and complex formation in glycan assembly within the Golgi apparatus. <i>Current Opinion in Cell Biology</i> , 2004, 16, 356-363. | 5.4 | 94 |
| 3 | Proteomic identification of novel cytoskeletal proteins associated with TbPLK, an essential regulator of cell morphogenesis in <i>Trypanosoma brucei</i> . <i>Molecular Biology of the Cell</i> , 2015, 26, 3013-3029. | 2.1 | 76 |
| 4 | Polo-like kinase is required for Golgi and bilobe biogenesis in <i>Trypanosoma brucei</i> . <i>Journal of Cell Biology</i> , 2008, 181, 431-438. | 5.2 | 62 |
| 5 | Ordered assembly of the duplicating Golgi in <i>Trypanosoma brucei</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 7676-7681. | 7.1 | 60 |
| 6 | Biosynthesis of L-Selectin Ligands: Sulfation of Sialyl Lewis x-Related Oligosaccharides by a Family of GlcNAc-6-sulfotransferases. <i>Biochemistry</i> , 2001, 40, 5382-5391. | 2.5 | 53 |
| 7 | Polo-like kinase is necessary for flagellum inheritance in <i>Trypanosoma brucei</i> . <i>Journal of Cell Science</i> , 2012, 125, 3173-84. | 2.0 | 46 |
| 8 | Identification of TOEFAZ1-interacting proteins reveals key regulators of <i>Trypanosoma brucei</i> cytokinesis. <i>Molecular Microbiology</i> , 2018, 109, 306-326. | 2.5 | 42 |
| 9 | More than Microtubules: The Structure and Function of the Subpellicular Array in Trypanosomatids. <i>Trends in Parasitology</i> , 2019, 35, 760-777. | 3.3 | 31 |
| 10 | Golgi Localization of Carbohydrate Sulfotransferases Is a Determinant of L-selectin Ligand Biosynthesis. <i>Journal of Biological Chemistry</i> , 2003, 278, 40282-40295. | 3.4 | 29 |
| 11 | A small-molecule switch for Golgi sulfotransferases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 16715-16720. | 7.1 | 27 |
| 12 | Polo-like kinase phosphorylation of bilobe-resident TbCentrin2 facilitates flagellar inheritance in <i>Trypanosoma brucei</i> . <i>Molecular Biology of the Cell</i> , 2013, 24, 1947-1963. | 2.1 | 26 |
| 13 | An analogue-sensitive approach identifies basal body rotation and flagellum attachment zone elongation as key functions of PLK in <i>Trypanosoma brucei</i> . <i>Molecular Biology of the Cell</i> , 2013, 24, 1321-1333. | 2.1 | 25 |
| 14 | Functional analysis of TOEFAZ1 uncovers protein domains essential for cytokinesis in <i>Trypanosoma brucei</i> . <i>Journal of Cell Science</i> , 2017, 130, 3918-3932. | 2.0 | 18 |
| 15 | Directing Flux in Glycan Biosynthetic Pathways with a Small Molecule Switch. <i>ChemBioChem</i> , 2004, 5, 1455-1458. | 2.6 | 13 |
| 16 | The <i>Trypanosoma brucei</i> subpellicular microtubule array is organized into functionally discrete subdomains defined by microtubule associated proteins. <i>PLoS Pathogens</i> , 2021, 17, e1009588. | 4.7 | 13 |
| 17 | The Stem Region of the Sulfotransferase GlcNAc6ST-1 Is a Determinant of Substrate Specificity. <i>Journal of Biological Chemistry</i> , 2004, 279, 40035-40043. | 3.4 | 12 |
| 18 | TbG63, a golgin involved in Golgi architecture in <i>Trypanosoma brucei</i> . <i>Journal of Cell Science</i> , 2008, 121, 1538-1546. | 2.0 | 12 |

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|----|---|-----|-----------|
| 19 | A unified approach towards <i>Trypanosoma brucei</i> functional genomics using Gibson assembly. <i>Molecular and Biochemical Parasitology</i> , 2016, 210, 13-21. | 1.1 | 12 |
| 20 | TbSmee1 regulates hook complex morphology and the rate of flagellar pocket uptake in <i>Trypanosoma brucei</i> . <i>Molecular Microbiology</i> , 2018, 107, 344-362. | 2.5 | 12 |
| 21 | Alternate histories of cytokinesis: lessons from the trypanosomatids. <i>Molecular Biology of the Cell</i> , 2020, 31, 2631-2639. | 2.1 | 10 |
| 22 | Tetranucleotide usage highlights genomic heterogeneity among mycobacteriophages. <i>F1000Research</i> , 2015, 4, 36. | 1.6 | 5 |
| 23 | Revealing spatio-temporal dynamics with long-term trypanosomatid live-cell imaging. <i>PLoS Pathogens</i> , 2022, 18, e1010218. | 4.7 | 4 |
| 24 | Tetranucleotide usage in mycobacteriophage genomes: alignment-free methods to cluster phage and infer evolutionary relationships. <i>BMC Bioinformatics</i> , 2015, 16, . | 2.6 | 3 |
| 25 | Tetranucleotide usage highlights genomic heterogeneity among mycobacteriophages. <i>F1000Research</i> , 2015, 4, 36. | 1.6 | 3 |
| 26 | Regulating Cell Surface Glycosylation with a Small Molecule Switch. <i>Methods in Enzymology</i> , 2006, 415, 213-229. | 1.0 | 2 |
| 27 | Cell division: <i>Naegleria</i> bundles up for mitosis. <i>Current Biology</i> , 2022, 32, R269-R271. | 3.9 | 0 |