

Kent L Hill

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/731575/publications.pdf>

Version: 2024-02-01

35
papers

1,968
citations

218662
26
h-index

361001
35
g-index

39
all docs

39
docs citations

39
times ranked

1470
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | APEX2 Proximity Proteomics Resolves Flagellum Subdomains and Identifies Flagellum Tip-Specific Proteins in <i>Trypanosoma brucei</i> . <i>MSphere</i> , 2021, 6, . | 2.9 | 18 |
| 2 | Right place, right time: Environmental sensing and signal transduction directs cellular differentiation and motility in <i>Trypanosoma brucei</i> . <i>Molecular Microbiology</i> , 2021, 115, 930-941. | 2.5 | 9 |
| 3 | Structure of the trypanosome paraflagellar rod and insights into non-planar motility of eukaryotic cells. <i>Cell Discovery</i> , 2021, 7, 51. | 6.7 | 12 |
| 4 | Identification of Positive Chemotaxis in the Protozoan Pathogen <i>Trypanosoma brucei</i> . <i>MSphere</i> , 2020, 5, . | 2.9 | 15 |
| 5 | Flagellar cAMP signaling controls trypanosome progression through host tissues. <i>Nature Communications</i> , 2019, 10, 803. | 12.8 | 50 |
| 6 | Cryo electron tomography with volta phase plate reveals novel structural foundations of the 96-nm axonemal repeat in the pathogen <i>Trypanosoma brucei</i> . <i>ELife</i> , 2019, 8, . | 6.0 | 46 |
| 7 | Motility-based label-free detection of parasites in bodily fluids using holographic speckle analysis and deep learning. <i>Light: Science and Applications</i> , 2018, 7, 108. | 16.6 | 45 |
| 8 | Parasite motility is critical for virulence of African trypanosomes. <i>Scientific Reports</i> , 2018, 8, 9122. | 3.3 | 47 |
| 9 | Loss of the BBSome perturbs endocytic trafficking and disrupts virulence of <i>Trypanosoma brucei</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 632-637. | 7.1 | 38 |
| 10 | "With a Little Help from My Friends" Social Motility in <i>Trypanosoma brucei</i> . <i>PLoS Pathogens</i> , 2015, 11, e1005272. | 4.7 | 20 |
| 11 | Insect Stage-Specific Adenylate Cyclases Regulate Social Motility in African Trypanosomes. <i>Eukaryotic Cell</i> , 2015, 14, 104-112. | 3.4 | 67 |
| 12 | Cell Surface Proteomics Provides Insight into Stage-Specific Remodeling of the Host-Parasite Interface in <i>Trypanosoma brucei</i> . <i>Molecular and Cellular Proteomics</i> , 2015, 14, 1977-1988. | 3.8 | 50 |
| 13 | Cyclic AMP Regulates Social Behavior in African Trypanosomes. <i>MBio</i> , 2015, 6, e01954-14. | 4.1 | 47 |
| 14 | Insect Stage-Specific Receptor Adenylate Cyclases Are Localized to Distinct Subdomains of the <i>Trypanosoma brucei</i> Flagellar Membrane. <i>Eukaryotic Cell</i> , 2014, 13, 1064-1076. | 3.4 | 68 |
| 15 | eIF4F-like complexes formed by cap-binding homolog TbEIF4E5 with TbEIF4G1 or TbEIF4G2 are implicated in post-transcriptional regulation in <i>Trypanosoma brucei</i> . <i>Rna</i> , 2014, 20, 1272-1286. | 3.5 | 48 |
| 16 | <i>Trypanosoma brucei</i> Translation Initiation Factor Homolog EIF4E6 Forms a Tripartite Cytosolic Complex with EIF4G5 and a Capping Enzyme Homolog. <i>Eukaryotic Cell</i> , 2014, 13, 896-908. | 3.4 | 41 |
| 17 | Mouse infection and pathogenesis by <i>Trypanosoma brucei</i> motility mutants. <i>Cellular Microbiology</i> , 2014, 16, 912-924. | 2.1 | 20 |
| 18 | Motility and more: the flagellum of <i>Trypanosoma brucei</i> . <i>Nature Reviews Microbiology</i> , 2014, 12, 505-518. | 28.6 | 148 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | CMF22 Is a Broadly Conserved Axonemal Protein and Is Required for Propulsive Motility in <i>Trypanosoma brucei</i> . <i>Eukaryotic Cell</i> , 2013, 12, 1202-1213. | 3.4 | 17 |
| 20 | Three-Dimensional Structure of the Trypanosome Flagellum Suggests that the Paraflagellar Rod Functions as a Biomechanical Spring. <i>PLoS ONE</i> , 2012, 7, e25700. | 2.5 | 42 |
| 21 | Structure-Function Analysis of Dynein Light Chain 1 Identifies Viable Motility Mutants in Bloodstream-Form <i>Trypanosoma brucei</i> . <i>Eukaryotic Cell</i> , 2011, 10, 884-894. | 3.4 | 35 |
| 22 | Independent Analysis of the Flagellum Surface and Matrix Proteomes Provides Insight into Flagellum Signaling in Mammalian-infectious <i>Trypanosoma brucei</i> . <i>Molecular and Cellular Proteomics</i> , 2011, 10, M111.010538. | 3.8 | 147 |
| 23 | CMF70 is a subunit of the dynein regulatory complex. <i>Journal of Cell Science</i> , 2010, 123, 3587-3595. | 2.0 | 30 |
| 24 | Social Motility in African Trypanosomes. <i>PLoS Pathogens</i> , 2010, 6, e1000739. | 4.7 | 98 |
| 25 | Parasites in motion: flagellum-driven cell motility in African trypanosomes. <i>Current Opinion in Microbiology</i> , 2010, 13, 459-465. | 5.1 | 25 |
| 26 | Propulsion of African trypanosomes is driven by bihelical waves with alternating chirality separated by kinks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 19322-19327. | 7.1 | 66 |
| 27 | Approaches for Functional Analysis of Flagellar Proteins in African Trypanosomes. <i>Methods in Cell Biology</i> , 2009, 93, 21-57. | 1.1 | 34 |
| 28 | The <i>Trypanosoma brucei</i> Flagellum: Moving Parasites in New Directions. <i>Annual Review of Microbiology</i> , 2009, 63, 335-362. | 7.3 | 108 |
| 29 | The flagellum of <i>Trypanosoma brucei</i> : New tricks from an old dog. <i>International Journal for Parasitology</i> , 2008, 38, 869-884. | 3.1 | 53 |
| 30 | Stuck in reverse: loss of LC1 in <i>Trypanosoma brucei</i> disrupts outer dynein arms and leads to reverse flagellar beat and backward movement. <i>Journal of Cell Science</i> , 2007, 120, 1513-1520. | 2.0 | 77 |
| 31 | Functional genomics in <i>Trypanosoma brucei</i> identifies evolutionarily conserved components of motile flagella. <i>Journal of Cell Science</i> , 2007, 120, 478-491. | 2.0 | 97 |
| 32 | Trypanin, a Component of the Flagellar Dynein Regulatory Complex, Is Essential in Bloodstream Form African Trypanosomes. <i>PLoS Pathogens</i> , 2006, 2, e101. | 4.7 | 74 |
| 33 | Flagellar Motility Contributes to Cytokinesis in <i>Trypanosoma brucei</i> and Is Modulated by an Evolutionarily Conserved Dynein Regulatory System. <i>Eukaryotic Cell</i> , 2006, 5, 696-711. | 3.4 | 154 |
| 34 | Biology and Mechanism of Trypanosome Cell Motility. <i>Eukaryotic Cell</i> , 2003, 2, 200-208. | 3.4 | 72 |
| 35 | T Lymphocyte-triggering Factor of African Trypanosomes Is Associated with the Flagellar Fraction of the Cytoskeleton and Represents a New Family of Proteins That Are Present in Several Divergent Eukaryotes. <i>Journal of Biological Chemistry</i> , 2000, 275, 39369-39378. | 3.4 | 46 |