

Kent L Hill

List of Publications by Year in descending order

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35
papers

1,968
citations

249298

26
h-index

406436

35
g-index

39
all docs

39
docs citations

39
times ranked

1611
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, .	1.3	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.	1.2	9
3	Structure of the trypanosome paraflagellar rod and insights into non-planar motility of eukaryotic cells. <i>Cell Discovery</i> , 2021, 7, 51.	3.1	12
4	Identification of Positive Chemotaxis in the Protozoan Pathogen <i>Trypanosoma brucei</i> . <i>MSphere</i> , 2020, 5, .	1.3	15
5	Flagellar cAMP signaling controls trypanosome progression through host tissues. <i>Nature Communications</i> , 2019, 10, 803.	5.8	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, .	2.8	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.	7.7	45
8	Parasite motility is critical for virulence of African trypanosomes. <i>Scientific Reports</i> , 2018, 8, 9122.	1.6	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.	3.3	38
10	"With a Little Help from My Friends" – Social Motility in <i>Trypanosoma brucei</i> . <i>PLoS Pathogens</i> , 2015, 11, e1005272.	2.1	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.	2.5	50
13	Cyclic AMP Regulates Social Behavior in African Trypanosomes. <i>MBio</i> , 2015, 6, e01954-14.	1.8	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.	1.6	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.	1.1	20
18	Motility and more: the flagellum of <i>Trypanosoma brucei</i> . <i>Nature Reviews Microbiology</i> , 2014, 12, 505-518.	13.6	148

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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.	1.1	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.	2.5	147
23	CMF70 is a subunit of the dynein regulatory complex. <i>Journal of Cell Science</i> , 2010, 123, 3587-3595.	1.2	30
24	Social Motility in African Trypanosomes. <i>PLoS Pathogens</i> , 2010, 6, e1000739.	2.1	98
25	Parasites in motion: flagellum-driven cell motility in African trypanosomes. <i>Current Opinion in Microbiology</i> , 2010, 13, 459-465.	2.3	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.	3.3	66
27	Approaches for Functional Analysis of Flagellar Proteins in African Trypanosomes. <i>Methods in Cell Biology</i> , 2009, 93, 21-57.	0.5	34
28	The <i>Trypanosoma brucei</i> Flagellum: Moving Parasites in New Directions. <i>Annual Review of Microbiology</i> , 2009, 63, 335-362.	2.9	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.	1.3	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.	1.2	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.	1.2	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.	2.1	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.	1.6	46