

Bill Wickstead

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

6,696
citations

156536

32
h-index

182931

54
g-index

59
all docs

59
docs citations

59
times ranked

6811
citing authors

#	ARTICLE	IF	CITATIONS
1	Reliable, scalable functional genetics in bloodstream-form <i>Trypanosoma congolense</i> in vitro and in vivo. <i>PLoS Pathogens</i> , 2021, 17, e1009224.	2.1	16
2	TbSAP is a novel chromatin protein repressing metacyclic variant surface glycoprotein expression sites in bloodstream form <i>Trypanosoma brucei</i> . <i>Nucleic Acids Research</i> , 2021, 49, 3242-3262.	6.5	7
3	Trypanosome KKIPI Dynamically Links the Inner Kinetochore to a Kinetoplastid Outer Kinetochore Complex. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 641174.	1.8	13
4	Divergent metabolism between <i>Trypanosoma congolense</i> and <i>Trypanosoma brucei</i> results in differential sensitivity to metabolic inhibition. <i>PLoS Pathogens</i> , 2021, 17, e1009734.	2.1	11
5	The evolutionary biology of dyneins. , 2018, , 100-138.		5
6	Comparative genomic analysis of the "pseudofungus" <i>Hyphochytrium catenoides</i> . <i>Open Biology</i> , 2018, 8, 170184.	1.5	31
7	The Structure of a Conserved Telomeric Region Associated with Variant Antigen Loci in the Blood Parasite <i>Trypanosoma congolense</i> . <i>Genome Biology and Evolution</i> , 2018, 10, 2458-2473.	1.1	19
8	Trypanosome outer kinetochore proteins suggest conservation of chromosome segregation machinery across eukaryotes. <i>Journal of Cell Biology</i> , 2017, 216, 379-391.	2.3	87
9	The family-specific ± 4 -helix of the kinesin-13, MCAK, is critical to microtubule end recognition. <i>Open Biology</i> , 2016, 6, 160223.	1.5	15
10	Plasmodium P-Type Cyclin CYC3 Modulates Endomitotic Growth during Oocyst Development in Mosquitoes. <i>PLoS Pathogens</i> , 2015, 11, e1005273.	2.1	70
11	Identification of the ISWI Chromatin Remodeling Complex of the Early Branching Eukaryote <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 2015, 290, 26954-26967.	1.6	21
12	Architecture of a Host-Parasite Interface: Complex Targeting Mechanisms Revealed Through Proteomics. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 1911-1926.	2.5	45
13	CEP290 alleles in mice disrupt tissue-specific cilia biogenesis and recapitulate features of syndromic ciliopathies. <i>Human Molecular Genetics</i> , 2015, 24, 3775-3791.	1.4	105
14	Genome-wide Functional Analysis of Plasmodium Protein Phosphatases Reveals Key Regulators of Parasite Development and Differentiation. <i>Cell Host and Microbe</i> , 2014, 16, 128-140.	5.1	122
15	Capturing the variant surface glycoprotein repertoire (the VSGnome) of <i>Trypanosoma brucei</i> Lister 427. <i>Molecular and Biochemical Parasitology</i> , 2014, 195, 59-73.	0.5	170
16	Molecular paleontology and complexity in the last eukaryotic common ancestor. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2013, 48, 373-396.	2.3	170
17	A SAS-6-Like Protein Suggests that the <i>Toxoplasma</i> Conoid Complex Evolved from Flagellar Components. <i>Eukaryotic Cell</i> , 2013, 12, 1009-1019.	3.4	70
18	Unique apicomplexan IMC sub-compartment proteins are early markers for apical polarity in the malaria parasite. <i>Biology Open</i> , 2013, 2, 1160-1170.	0.6	51

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19	Cytokinesis in <i>Trypanosoma brucei</i> differs between bloodstream and tsetse trypomastigote forms: implications for microtubule-based morphogenesis and mutant analysis. <i>Molecular Microbiology</i> , 2013, 90, 1339-1355.	1.2	92
20	A Unique Protein Phosphatase with Kelch-Like Domains (PPKL) in Plasmodium Modulates Ookinete Differentiation, Motility and Invasion. <i>PLoS Pathogens</i> , 2012, 8, e1002948.	2.1	90
21	The Trypanosomatid-Specific N Terminus of RPA2 Is Required for RNA Polymerase I Assembly, Localization, and Function. <i>Eukaryotic Cell</i> , 2012, 11, 662-672.	3.4	10
22	The evolution of land plant cilia. <i>New Phytologist</i> , 2012, 195, 526-540.	3.5	39
23	Evolutionary Biology of Dyneins. , 2012, , 88-121.		6
24	A New Generation of T7 RNA Polymerase-Independent Inducible Expression Plasmids for Trypanosoma brucei. <i>PLoS ONE</i> , 2012, 7, e35167.	1.1	26
25	The evolution of the cytoskeleton. <i>Journal of Cell Biology</i> , 2011, 194, 513-525.	2.3	277
26	Conservation of ciliary proteins in plants with no cilia. <i>BMC Plant Biology</i> , 2011, 11, 185.	1.6	26
27	Ab Initio Identification of Novel Regulatory Elements in the Genome of Trypanosoma brucei by Bayesian Inference on Sequence Segmentation. <i>PLoS ONE</i> , 2011, 6, e25666.	1.1	8
28	Patterns of kinesin evolution reveal a complex ancestral eukaryote with a multifunctional cytoskeleton. <i>BMC Evolutionary Biology</i> , 2010, 10, 110.	3.2	138
29	Cell Biology of the Trypanosome Genome. <i>Microbiology and Molecular Biology Reviews</i> , 2010, 74, 552-569.	2.9	104
30	Reconstructing the evolutionary history of the centriole from protein components. <i>Journal of Cell Science</i> , 2010, 123, 1407-1413.	1.2	212
31	The Expanded Kinesin-13 Repertoire of Trypanosomes Contains Only One Mitotic Kinesin Indicating Multiple Extra-Nuclear Roles. <i>PLoS ONE</i> , 2010, 5, e15020.	1.1	32
32	Identification of a crenarchaeal orthologue of Elf1: implications for chromatin and transcription in Archaea. <i>Biology Direct</i> , 2009, 4, 24.	1.9	23
33	Identification and characterization of two trypanosome TFIS proteins exhibiting particular domain architectures and differential nuclear localizations. <i>Molecular Microbiology</i> , 2008, 69, 1121-1136.	1.2	21
34	Bioinformatic insights to the ESAG5 and GRESAG5 gene families in kinetoplastid parasites. <i>Molecular and Biochemical Parasitology</i> , 2008, 162, 112-122.	0.5	12
35	Diversification of Function by Different Isoforms of Conventionally Shared RNA Polymerase Subunits. <i>Molecular Biology of the Cell</i> , 2007, 18, 1293-1301.	0.9	37
36	Flagellar and ciliary beating in trypanosome motility. <i>Cytoskeleton</i> , 2007, 64, 629-643.	4.4	69

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37	Dyneins Across Eukaryotes: A Comparative Genomic Analysis. <i>Traffic</i> , 2007, 8, 1708-1721.	1.3	255
38	Functional genomics in <i>Trypanosoma brucei</i> : A collection of vectors for the expression of tagged proteins from endogenous and ectopic gene loci. <i>Molecular and Biochemical Parasitology</i> , 2007, 154, 103-109.	0.5	189
39	Basal body and flagellum mutants reveal a rotational constraint of the central pair microtubules in the axonemes of trypanosomes. <i>Journal of Cell Science</i> , 2006, 119, 2405-2413.	1.2	62
40	A "Holistic" Kinesin Phylogeny Reveals New Kinesin Families and Predicts Protein Functions. <i>Molecular Biology of the Cell</i> , 2006, 17, 1734-1743.	0.9	143
41	Cryptic Paraflagellar Rod in Endosymbiont-Containing Kinetoplastid Protozoa. <i>Eukaryotic Cell</i> , 2005, 4, 516-525.	3.4	58
42	The Genome Sequence of <i>Trypanosoma cruzi</i> , Etiologic Agent of Chagas Disease. <i>Science</i> , 2005, 309, 409-415.	6.0	1,273
43	The Genome of the African Trypanosome <i>Trypanosoma brucei</i> . <i>Science</i> , 2005, 309, 416-422.	6.0	1,496
44	The Small Chromosomes of <i>Trypanosoma brucei</i> Involved in Antigenic Variation Are Constructed Around Repetitive Palindromes. <i>Genome Research</i> , 2004, 14, 1014-1024.	2.4	99
45	Isolation of the repertoire of VSG expression site containing telomeres of <i>Trypanosoma brucei</i> 427 using transformation-associated recombination in yeast. <i>Genome Research</i> , 2004, 14, 2319-2329.	2.4	63
46	More than one way to build a flagellum: comparative genomics of parasitic protozoa. <i>Current Biology</i> , 2004, 14, R611-R612.	1.8	109
47	Molecular Evolution of FtsZ Protein Sequences Encoded Within the Genomes of Archaea, Bacteria, and Eukaryota. <i>Journal of Molecular Evolution</i> , 2004, 58, 19-29.	0.8	176
48	The mitotic stability of the minichromosomes of <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 2003, 132, 97-100.	0.5	17
49	The frequency of gene targeting in <i>Trypanosoma brucei</i> is independent of target site copy number. <i>Nucleic Acids Research</i> , 2003, 31, 3993-4000.	6.5	18
50	Repetitive Elements in Genomes of Parasitic Protozoa. <i>Microbiology and Molecular Biology Reviews</i> , 2003, 67, 360-375.	2.9	69
51	Targeting of a tetracycline-inducible expression system to the transcriptionally silent minichromosomes of <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 2002, 125, 211-216.	0.5	244
52	Diversity and dynamics of the minichromosomal karyotype in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 2001, 113, 79-88.	0.5	27
53	Sodium Ions in Ordered Environments in Biological Systems: Analysis of ²³ Na NMR Spectra. <i>Journal of Magnetic Resonance</i> , 1999, 140, 351-362.	1.2	16
54	Role of a BRCT domain in the interaction of DNA ligase III β with the DNA repair protein XRCC1. <i>Current Biology</i> , 1998, 8, 877-880.	1.8	97

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55	^{17}O NMR of water in ordered environments. <i>Biophysical Chemistry</i> , 1998, 73, 129-136.	1.5	5
56	Multiple-quantum filtered ^{17}O and ^{23}Na NMR analysis of mitochondrial suspensions. <i>Biophysical Chemistry</i> , 1998, 73, 137-143.	1.5	15