

Lucy Glover

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1048927/publications.pdf>

Version: 2024-02-01

31
papers

2,051
citations

361413

20
h-index

454955

30
g-index

35
all docs

35
docs citations

35
times ranked

1850
citing authors

#	ARTICLE	IF	CITATIONS
1	High-throughput phenotyping using parallel sequencing of RNA interference targets in the African trypanosome. <i>Genome Research</i> , 2011, 21, 915-924.	5.5	404
2	High-throughput decoding of antitrypanosomal drug efficacy and resistance. <i>Nature</i> , 2012, 482, 232-236.	27.8	276
3	Tagging a <i>T. brucei</i> rRNA locus improves stable transfection efficiency and circumvents inducible expression position effects. <i>Molecular and Biochemical Parasitology</i> , 2005, 144, 142-148.	1.1	135
4	Aquaglyceroporin 2 controls susceptibility to melarsoprol and pentamidine in African trypanosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10996-11001.	7.1	134
5	Sequence homology and microhomology dominate chromosomal double-strand break repair in African trypanosomes. <i>Nucleic Acids Research</i> , 2008, 36, 2608-2618.	14.5	103
6	Trypanosomal histone H2A and the DNA damage response. <i>Molecular and Biochemical Parasitology</i> , 2012, 183, 78-83.	1.1	94
7	DNA Break Site at Fragile Subtelomeres Determines Probability and Mechanism of Antigenic Variation in African Trypanosomes. <i>PLoS Pathogens</i> , 2013, 9, e1003260.	4.7	92
8	VEX1 controls the allelic exclusion required for antigenic variation in trypanosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7225-7230.	7.1	90
9	Monoallelic expression and epigenetic inheritance sustained by a <i>Trypanosoma brucei</i> variant surface glycoprotein exclusion complex. <i>Nature Communications</i> , 2019, 10, 3023.	12.8	73
10	Microhomology-mediated deletion and gene conversion in African trypanosomes. <i>Nucleic Acids Research</i> , 2011, 39, 1372-1380.	14.5	68
11	Antigenic variation in African trypanosomes: the importance of chromosomal and nuclear context in VSG expression control. <i>Cellular Microbiology</i> , 2013, 15, 1984-1993.	2.1	55
12	PPL2 Translesion Polymerase Is Essential for the Completion of Chromosomal DNA Replication in the African Trypanosome. <i>Molecular Cell</i> , 2013, 52, 554-565.	9.7	54
13	Spatial integration of transcription and splicing in a dedicated compartment sustains monogenic antigen expression in African trypanosomes. <i>Nature Microbiology</i> , 2021, 6, 289-300.	13.3	50
14	Genome-scale RNAi screens for high-throughput phenotyping in bloodstream-form African trypanosomes. <i>Nature Protocols</i> , 2015, 10, 106-133.	12.0	49
15	Repression of polymerase II-mediated gene expression at <i>Trypanosoma brucei</i> telomeres. <i>EMBO Reports</i> , 2006, 7, 93-99.	4.5	46
16	Deletion of a trypanosome telomere leads to loss of silencing and progressive loss of terminal DNA in the absence of cell cycle arrest. <i>Nucleic Acids Research</i> , 2007, 35, 872-880.	14.5	45
17	CRISPR in Parasitology: Not Exactly Cut and Dried!. <i>Trends in Parasitology</i> , 2019, 35, 409-422.	3.3	43
18	Insights into antitrypanosomal drug mode-of-action from cytology-based profiling. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006980.	3.0	41

#	ARTICLE	IF	CITATIONS
19	Site-specific DNA double-strand breaks greatly increase stable transformation efficiency in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 2009, 166, 194-197.	1.1	38
20	Genome-wide RNAi selection identifies a regulator of transmission stage-enriched gene families and cell-type differentiation in <i>Trypanosoma brucei</i> . <i>PLoS Pathogens</i> , 2017, 13, e1006279.	4.7	30
21	Persistent DNA Damage Foci and DNA Replication with a Broken Chromosome in the African Trypanosome. <i>MBio</i> , 2019, 10, .	4.1	24
22	High-resolution analysis of multi-copy variant surface glycoprotein gene expression sites in African trypanosomes. <i>BMC Genomics</i> , 2016, 17, 806.	2.8	23
23	Locus-specific control of DNA resection and suppression of subtelomeric VSG recombination by HAT3 in the African trypanosome. <i>Nucleic Acids Research</i> , 2014, 42, 12600-12613.	14.5	22
24	Escaping the immune system by DNA repair and recombination in African trypanosomes. <i>Open Biology</i> , 2019, 9, 190182.	3.6	22
25	A post-transcriptional respiratome regulon in trypanosomes. <i>Nucleic Acids Research</i> , 2019, 47, 7063-7077.	14.5	14
26	The MRN complex promotes DNA repair by homologous recombination and restrains antigenic variation in African trypanosomes. <i>Nucleic Acids Research</i> , 2021, 49, 1436-1454.	14.5	11
27	DNA double strand break position leads to distinct gene expression changes and regulates VSG switching pathway choice. <i>PLoS Pathogens</i> , 2021, 17, e1010038.	4.7	6
28	mSphere of Influence: Expanding the CRISPR Sphere with Single-Locus Proteomics. <i>MSphere</i> , 2020, 5, .	2.9	3
29	VEX1 Influences mVSG Expression During the Transition to Mammalian Infectivity in <i>Trypanosoma brucei</i> . <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 851475.	3.7	2
30	Transcription Dependent Loss of an Ectopically Expressed Variant Surface Glycoprotein during Antigenic Variation in <i>Trypanosoma brucei</i> . <i>MBio</i> , 2022, 13, e0384721.	4.1	1
31	Forward Genetics in African Trypanosomes. <i>Methods in Molecular Biology</i> , 2020, 2116, 339-352.	0.9	0