

# Michael D Lewis

## List of Publications by Year in descending order

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58  
papers

3,378  
citations

126907

33  
h-index

155660

55  
g-index

68  
all docs

68  
docs citations

68  
times ranked

2761  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioluminescence imaging of chronic <i>Trypanosoma cruzi</i> infections reveals tissue-specific parasite dynamics and heart disease in the absence of locally persistent infection. Cellular Microbiology, 2014, 16, 1285-1300.	2.1	210
2	Genome-Scale Multilocus Microsatellite Typing of <i>Trypanosoma cruzi</i> Discrete Typing Unit I Reveals Phylogeographic Structure and Specific Genotypes Linked to Human Infection. PLoS Pathogens, 2009, 5, e1000410.	4.7	180
3	The genotype distribution of the XRCC1 gene indicates a role for base excision repair in the development of therapy-related acute myeloblastic leukemia. Blood, 2002, 100, 3761-3766.	1.4	161
4	Shotgun Sequencing Analysis of <i>Trypanosoma cruzi</i> Sylvio X10/1 and Comparison with <i>T. cruzi</i> VI CL Brenner. PLoS Neglected Tropical Diseases, 2011, 5, e984.	3.0	129
5	Limited Ability of Posaconazole To Cure both Acute and Chronic <i>Trypanosoma cruzi</i> Infections Revealed by Highly Sensitive <i>In Vivo</i> Imaging. Antimicrobial Agents and Chemotherapy, 2015, 59, 4653-4661.	3.2	124
6	Genome and Phylogenetic Analyses of <i>Trypanosoma evansi</i> Reveal Extensive Similarity to <i>T. brucei</i> and Multiple Independent Origins for Dyskinetoplasty. PLoS Neglected Tropical Diseases, 2015, 9, e3404.	3.0	124
7	<i>Trypanosoma cruzi</i> IIc: Phylogenetic and Phylogeographic Insights from Sequence and Microsatellite Analysis and Potential Impact on Emergent Chagas Disease. PLoS Neglected Tropical Diseases, 2009, 3, e510.	3.0	118
8	Recent, Independent and Anthropogenic Origins of <i>Trypanosoma cruzi</i> Hybrids. PLoS Neglected Tropical Diseases, 2011, 5, e1363.	3.0	117
9	Genotyping of <i>Trypanosoma cruzi</i> : Systematic Selection of Assays Allowing Rapid and Accurate Discrimination of All Known Lineages. American Journal of Tropical Medicine and Hygiene, 2009, 81, 1041-1049.	1.4	114
10	Comparative phylogeography of <i>Trypanosoma cruzi</i> TCIIc: New hosts, association with terrestrial ecotopes, and spatial clustering. Infection, Genetics and Evolution, 2009, 9, 1265-1274.	2.3	105
11	Multiple Mitochondrial Introgression Events and Heteroplasmy in <i>Trypanosoma cruzi</i> Revealed by Maxicircle MLST and Next Generation Sequencing. PLoS Neglected Tropical Diseases, 2012, 6, e1584.	3.0	104
12	Flow cytometric analysis and microsatellite genotyping reveal extensive DNA content variation in <i>Trypanosoma cruzi</i> populations and expose contrasts between natural and experimental hybrids. International Journal for Parasitology, 2009, 39, 1305-1317.	3.1	101
13	Contemporary cryptic sexuality in <i>Trypanosoma cruzi</i> . Molecular Ecology, 2012, 21, 4216-4226.	3.9	96
14	Multilocus Sequence Typing (MLST) for Lineage Assignment and High Resolution Diversity Studies in <i>Trypanosoma cruzi</i> . PLoS Neglected Tropical Diseases, 2011, 5, e1049.	3.0	94
15	A New Experimental Model for Assessing Drug Efficacy against <i>Trypanosoma cruzi</i> Infection Based on Highly Sensitive <i>In Vivo</i> Imaging. Journal of Biomolecular Screening, 2015, 20, 36-43.	2.6	91
16	Putting Infection Dynamics at the Heart of Chagas Disease. Trends in Parasitology, 2016, 32, 899-911.	3.3	83
17	Expanding the toolbox for <i>Trypanosoma cruzi</i> : A parasite line incorporating a bioluminescence-fluorescence dual reporter and streamlined CRISPR/Cas9 functionality for rapid <i>in vivo</i> localisation and phenotyping. PLoS Neglected Tropical Diseases, 2018, 12, e0006388.	3.0	79
18	Host and parasite genetics shape a link between <i>Trypanosoma cruzi</i> infection dynamics and chronic cardiomyopathy. Cellular Microbiology, 2016, 18, 1429-1443.	2.1	78

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19	Visualisation of <i>Leishmania donovani</i> Fluorescent Hybrids during Early Stage Development in the Sand Fly Vector. <i>PLoS ONE</i> , 2011, 6, e19851.	2.5	77
20	Development of <i>Trypanosoma cruzi</i> in vitro assays to identify compounds suitable for progression in Chagasâ€™ disease drug discovery. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006612.	3.0	76
21	Nitroheterocyclic drugs cure experimental <i>Trypanosoma cruzi</i> infections more effectively in the chronic stage than in the acute stage. <i>Scientific Reports</i> , 2016, 6, 35351.	3.3	72
22	Extraordinary <i>Trypanosoma cruzi</i> diversity within single mammalian reservoir hosts implies a mechanism of diversifying selection. <i>International Journal for Parasitology</i> , 2011, 41, 609-614.	3.1	69
23	The midgut microbiota plays an essential role in sand fly vector competence for <i>Leishmania major</i> . <i>Cellular Microbiology</i> , 2017, 19, e12755.	2.1	67
24	Comparative genomic analysis of human infective <i>Trypanosoma cruzi</i> lineages with the bat-restricted subspecies <i>T. cruzi marinkellei</i> . <i>BMC Genomics</i> , 2012, 13, 531.	2.8	57
25	Highly Sensitive In Vivo Imaging of <i>Trypanosoma brucei</i> Expressing $\alpha$ -Red-Shiftedâ€™Luciferase. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2571.	3.0	56
26	Candidate targets for Multilocus Sequence Typing of <i>Trypanosoma cruzi</i> : Validation using parasite stocks from the Chaco Region and a set of reference strains. <i>Infection, Genetics and Evolution</i> , 2012, 12, 350-358.	2.3	54
27	Resolution of multiclonal infections of <i>Trypanosoma cruzi</i> from naturally infected triatomine bugs and from experimentally infected mice by direct plating on a sensitive solid medium. <i>International Journal for Parasitology</i> , 2007, 37, 111-120.	3.1	50
28	North American import? Charting the origins of an enigmatic <i>Trypanosoma cruzi</i> domestic genotype. <i>Parasites and Vectors</i> , 2012, 5, 226.	2.5	48
29	Biological factors that impinge on Chagas disease drug development. <i>Parasitology</i> , 2017, 144, 1871-1880.	1.5	45
30	Analysis of molecular diversity of the <i>Trypanosoma cruzi</i> trypomastigote small surface antigen reveals novel epitopes, evidence of positive selection and potential implications for lineage-specific serology. <i>International Journal for Parasitology</i> , 2010, 40, 921-928.	3.1	42
31	Genome-wide mutagenesis and multi-drug resistance in American trypanosomes induced by the front-line drug benznidazole. <i>Scientific Reports</i> , 2017, 7, 14407.	3.3	41
32	<i>In Vivo</i> Analysis of <i>Trypanosoma cruzi</i> Persistence Foci at Single-Cell Resolution. <i>MBio</i> , 2020, 11, .	4.1	40
33	Development of Peptide-Based Lineage-Specific Serology for Chronic Chagas Disease: Geographical and Clinical Distribution of Epitope Recognition. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2892.	3.0	37
34	Imaging the development of chronic Chagas disease after oral transmission. <i>Scientific Reports</i> , 2018, 8, 11292.	3.3	36
35	Molecular Epidemiologic Source Tracking of Orally Transmitted Chagas Disease, Venezuela. <i>Emerging Infectious Diseases</i> , 2013, 19, 1098-1101.	4.3	33
36	Challenges in Chagas Disease Drug Development. <i>Molecules</i> , 2020, 25, 2799.	3.8	33

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37	Molecular Diversity of <i>Trypanosoma cruzi</i> Detected in the Vector <i>Triatoma protracta</i> from California, USA. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004291.	3.0	33
38	Multilocus sequence and microsatellite identification of intra-specific hybrids and ancestor-like donors among natural Ethiopian isolates of <i>Leishmania donovani</i> . <i>International Journal for Parasitology</i> , 2014, 44, 751-757.	3.1	31
39	The <i>Trypanosoma cruzi</i> Vitamin C Dependent Peroxidase Confers Protection against Oxidative Stress but Is Not a Determinant of Virulence. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003707.	3.0	28
40	Repeat-Driven Generation of Antigenic Diversity in a Major Human Pathogen, <i>Trypanosoma cruzi</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 614665.	3.9	25
41	Intracellular DNA replication and differentiation of <i>Trypanosoma cruzi</i> is asynchronous within individual host cells in vivo at all stages of infection. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008007.	3.0	23
42	Assessing the Effectiveness of Curative Benznidazole Treatment in Preventing Chronic Cardiac Pathology in Experimental Models of Chagas Disease. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	22
43	Host-parasite dynamics in Chagas disease from systemic to hyper-local scales. <i>Parasite Immunology</i> , 2021, 43, e12786.	1.5	19
44	Apolipoprotein L1 Variant Associated with Increased Susceptibility to Trypanosome Infection. <i>MBio</i> , 2016, 7, e02198-15.	4.1	18
45	Fatal progression of experimental visceral leishmaniasis is associated with intestinal parasitism and secondary infection by commensal bacteria, and is delayed by antibiotic prophylaxis. <i>PLoS Pathogens</i> , 2020, 16, e1008456.	4.7	17
46	Hosts and vectors of <i>Trypanosoma cruzi</i> discrete typing units in the Chagas disease endemic region of the Paraguayan Chaco. <i>Parasitology</i> , 2017, 144, 884-898.	1.5	16
47	Molecular Genotyping of <i>Trypanosoma cruzi</i> for Lineage Assignment and Population Genetics. <i>Methods in Molecular Biology</i> , 2015, 1201, 297-337.	0.9	15
48	Exploiting Genetically Modified Dual-Reporter Strains to Monitor Experimental <i>Trypanosoma cruzi</i> Infections and Host-Parasite Interactions. <i>Methods in Molecular Biology</i> , 2019, 1955, 147-163.	0.9	15
49	Local association of <i>Trypanosoma cruzi</i> chronic infection foci and enteric neuropathic lesions at the tissue micro-domain scale. <i>PLoS Pathogens</i> , 2021, 17, e1009864.	4.7	13
50	Drug-cured experimental <i>Trypanosoma cruzi</i> infections confer long-lasting and cross-strain protection. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0007717.	3.0	12
51	Incomplete Recruitment of Protective T Cells Is Associated with <i>Trypanosoma cruzi</i> Persistence in the Mouse Colon. <i>Infection and Immunity</i> , 2022, 90, IAI0038221.	2.2	9
52	Microevolution of <i>Trypanosoma cruzi</i> reveals hybridization and clonal mechanisms driving rapid genome diversification. <i>ELife</i> , 2022, 11, .	6.0	9
53	Culture-free genome-wide locus sequence typing (GLST) provides new perspectives on <i>Trypanosoma cruzi</i> dispersal and infection complexity. <i>PLoS Genetics</i> , 2020, 16, e1009170.	3.5	7
54	Bioluminescent:Fluorescent <i>Trypanosoma cruzi</i> Reporter Strains as Tools for Exploring Chagas Disease Pathogenesis and Drug Activity. <i>Current Pharmaceutical Design</i> , 2021, 27, 1733-1740.	1.9	3

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55	Experimental and Natural Recombination in <i>Trypanosoma cruzi</i> . , 2010, , 459-474.		2
56	Reply to "Drug Susceptibility of Genetically Engineered <i>Trypanosoma cruzi</i> Strains and Sterile Cure in Animal Models as a Criterion for Potential Clinical Efficacy of Anti- <i>T. cruzi</i> Drugs" Antimicrobial Agents and Chemotherapy, 2015, 59, 7925-7925.	3.2	2
57	Genetic Exchange in Trypanosomatids and Its Relevance to Epidemiology. , 2011, , 581-605.		1
58	Highly Sensitive Bioluminescence Imaging Models for Chagas Disease Drug Discovery. Proceedings (mdpi), 2017, 1, 676.	0.2	0