Hernan Lorenzi

List of Publications by Year
in descending order

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57 papers	5,200 citations	172457 29 h-index	155660 55 g-index
58 all docs	58 docs citations	58 times ranked	7436 citing authors

#	Article	IF	Citations
1	The Genome Sequence of Trypanosoma cruzi , Etiologic Agent of Chagas Disease. Science, 2005, 309, 409-415.	12.6	1,273
2	Comparative genomics of the neglected human malaria parasite Plasmodium vivax. Nature, 2008, 455, 757-763.	27.8	756
3	Draft genome sequence of the oilseed species Ricinus communis. Nature Biotechnology, 2010, 28, 951-956.	17.5	449
4	Immune System Dysregulation During Spaceflight: Potential Countermeasures for Deep Space Exploration Missions. Frontiers in Immunology, 2018, 9, 1437.	4.8	257
5	Local admixture of amplified and diversified secreted pathogenesis determinants shapes mosaic Toxoplasma gondii genomes. Nature Communications, 2016, 7, 10147.	12.8	243
6	Study of the impact of long-duration space missions at the International Space Station on the astronaut microbiome. Scientific Reports, 2019, 9, 9911.	3.3	145
7	Hippocampal hypocellularity in the Ts65Dn mouse originates early in development. Brain Research, 2006, 1104, 153-159.	2.2	132
8	Hedgehog Agonist Therapy Corrects Structural and Cognitive Deficits in a Down Syndrome Mouse Model. Science Translational Medicine, 2013, 5, 201ra120.	12.4	129
9	Metagenomic Exploration of Viruses throughout the Indian Ocean. PLoS ONE, 2012, 7, e42047.	2.5	113
10	The genome and transcriptome of the enteric parasite Entamoeba invadens, a model for encystation. Genome Biology, 2013, 14, R77.	9.6	111
11	Impact of intrapartum and postnatal antibiotics on the gut microbiome and emergence of antimicrobial resistance in infants. Scientific Reports, 2019, 9, 10635.	3.3	106
12	New Assembly, Reannotation and Analysis of the Entamoeba histolytica Genome Reveal New Genomic Features and Protein Content Information. PLoS Neglected Tropical Diseases, 2010, 4, e716.	3.0	97
13	Toxoplasma Modulates Signature Pathways of Human Epilepsy, Neurodegeneration & Cancer. Scientific Reports, 2017, 7, 11496.	3.3	97
14	Identification of a novel protein complex essential for effector translocation across the parasitophorous vacuole membrane of Toxoplasma gondii. PLoS Pathogens, 2018, 14, e1006828.	4.7	86
15	Transcriptomic evidence for modulation of host inflammatory responses during febrile Plasmodium falciparum malaria. Scientific Reports, 2016, 6, 31291.	3.3	85
16	A Molecular Signature in Blood Reveals a Role for p53 in Regulating Malaria-Induced Inflammation. Immunity, 2019, 51, 750-765.e10.	14.3	67
17	Sequencing and Analysis of Globally Obtained Human Respiratory Syncytial Virus A and B Genomes. PLoS ONE, 2015, 10, e0120098.	2.5	61
18	Profiling analysis of circulating microRNA in peripheral blood of patients with class IV lupus nephritis. PLoS ONE, 2017, 12, e0187973.	2.5	54

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19	Genome wide survey, discovery and evolution of repetitive elements in three Entamoeba species. BMC Genomics, 2008, 9, 595.	2.8	53
20	High-Throughput Sequencing Reveals Circulating miRNAs as Potential Biomarkers of Kidney Damage in Patients with Systemic Lupus Erythematosus. PLoS ONE, 2016, 11, e0166202.	2.5	50
21	TheViral MetaGenome Annotation Pipeline (VMGAP):an automated tool for the functional annotation of viral Metagenomic shotgun sequencing data. Standards in Genomic Sciences, 2011, 4, 418-429.	1.5	49
22	Translocation of Dense Granule Effectors across the Parasitophorous Vacuole Membrane in Toxoplasma- Infected Cells Requires the Activity of ROP17, a Rhoptry Protein Kinase. MSphere, 2019, 4, .	2.9	49
23	The Challenge of Maintaining a Healthy Microbiome during Long-Duration Space Missions. Frontiers in Astronomy and Space Sciences, 2016, 3, .	2.8	48
24	Protein nanovaccine confers robust immunity against Toxoplasma. Npj Vaccines, 2017, 2, 24.	6.0	47
25	Small molecule inhibition of apicomplexan FtsH1 disrupts plastid biogenesis in human pathogens. ELife, 2017, 6, .	6.0	47
26	Vertical Transmission of Gut Microbiome and Antimicrobial Resistance Genes in Infants Exposed to Antibiotics at Birth. Journal of Infectious Diseases, 2021, 224, 1236-1246.	4.0	41
27	New paradigms for understanding and step changes in treating active and chronic, persistent apicomplexan infections. Scientific Reports, 2016, 6, 29179.	3.3	40
28	Integration of expression vectors into the ribosomal locus of Trypanosoma cruzi. Gene, 2003, 310, 91-99.	2.2	37
29	The Arabidopsis DNA Polymerase Î´ Has a Role in the Deposition of Transcriptionally Active Epigenetic Marks, Development and Flowering. PLoS Genetics, 2015, 11, e1004975.	3.5	36
30	The short interspersed repetitive element of Trypanosoma cruzi , SIRE, is part of VIPER, an unusual retroelement related to long terminal repeat retrotransposons. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 2128-2133.	7.1	30
31	Specific Immunologic Countermeasure Protocol for Deep-Space Exploration Missions. Frontiers in Immunology, 2019, 10, 2407.	4.8	29
32	The VIPER elements of trypanosomes constitute a novel group of tyrosine recombinase-enconding retrotransposons. Molecular and Biochemical Parasitology, 2006, 145, 184-194.	1.1	27
33	The Trypanosoma cruzi Genome Project: Nuclear Karyotype and Gene Mapping of Clone CL Brener. Memorias Do Instituto Oswaldo Cruz, 1997, 92, 821-828.	1.6	26
34	Whole-blood transcriptomic signatures induced during immunization by chloroquine prophylaxis and Plasmodium falciparum sporozoites. Scientific Reports, 2019, 9, 8386.	3.3	24
35	A refined molecular karyotype for the reference strain of the Trypanosoma cruzi genome project (clone CL Brener) by assignment of chromosome markers. Gene, 2003, 308, 53-65.	2.2	22
36	Genetic Diversity and Gene Family Expansions in Members of the GenusEntamoeba. Genome Biology and Evolution, 2019, 11, 688-705.	2.5	22

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37	Analysis of the distribution of SIRE in the nuclear genome of Trypanosoma cruzi. Gene, 1999, 239, 207-216.	2.2	21
38	Potent Tetrahydroquinolone Eliminates Apicomplexan Parasites. Frontiers in Cellular and Infection Microbiology, 2020, 10, 203.	3.9	21
39	Draft Genome Sequence and Annotation of the Apicomplexan Parasite Besnoitia besnoiti. Genome Announcements, 2017, 5, .	0.8	20
40	Towards the Physical Map of the Trypanosoma cruzi Nuclear Genome: Construction of YAC and BAC Libraries of the Reference Clone T. cruzi CL-Brener. Memorias Do Instituto Oswaldo Cruz, 1997, 92, 843-852.	1.6	18
41	Physical Mapping of a 670-kb Region of Chromosomes XVI and XVII from the Human Protozoan Parasite Trypanosoma cruzi Encompassing the Genes for Two Immunodominant Antigens. Genome Research, 1999, 9, 1268-1276.	5.5	18
42	Pathema: a clade-specific bioinformatics resource center for pathogen research. Nucleic Acids Research, 2010, 38, D408-D414.	14.5	18
43	Response of Lactobacillus acidophilus ATCC 4356 to low-shear modeled microgravity. Acta Astronautica, 2017, 139, 463-468.	3.2	18
44	[Letter to the editor] PCR prescreen for genotyping the Ts65Dn mouse model of Down syndrome. BioTechniques, 2010, 48, 35-38.	1.8	17
45	NextGen sequencing reveals short double crossovers contribute disproportionately to genetic diversity in Toxoplasma gondii. BMC Genomics, 2014, 15, 1168.	2.8	17
46	The Ebola virus VP35 protein binds viral immunostimulatory and host RNAs identified through deep sequencing. PLoS ONE, 2017, 12, e0178717.	2.5	17
47	Subtelomeric I-SceI-Mediated Double-Strand Breaks Are Repaired by Homologous Recombination in Trypanosoma cruzi. Frontiers in Microbiology, 2016, 7, 2041.	3.5	16
48	Integrated analysis of microRNA regulation and its interaction with mechanisms of epigenetic regulation in the etiology of systemic lupus erythematosus. PLoS ONE, 2019, 14, e0218116.	2.5	11
49	Cloning and sequence analysis of the TcP2Î² cDNA variants of Trypanosoma cruzi. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1995, 1264, 15-18.	2.4	9
50	Sequencing and analysis of globally obtained human parainfluenza viruses 1 and 3 genomes. PLoS ONE, 2019, 14, e0220057.	2.5	9
51	Detection of polymorphism in the Trypanosoma cruzi TcP2Î² gene family by single strand conformational analysis (SSCA). Gene, 1996, 180, 43-48.	2.2	6
52	A simple method to generate PCR-RFLP typing profiles from DNA sequences in Toxoplasma gondii. Infection, Genetics and Evolution, 2020, 85, 104590.	2.3	6
53	Reference-guided metagenomics reveals genome-level evidence of potential microbial transmission from the ISS environment to an astronaut's microbiome. IScience, 2021, 24, 102114.	4.1	6
54	Cloning and expression of transgenes using linear vectors in Trypanosoma cruzi. International Journal for Parasitology, 2014, 44, 447-456.	3.1	4

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55	The genes for a DEAH RNA helicase, a NifU like protein and the translation factor eIF6 constitute the SZ5 locus of Trypanosoma cruzi. Molecular and Biochemical Parasitology, 2000, 111, 207-211.	1.1	3
56	Viral Metagenome Annotation Pipeline. , 2013, , 1-12.		1
57	Microbiome and Immunity: A Critical Link for Long-Duration Space Exploration Missions. , 2020, , 617-635.		0