

David S Roos

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

4,549
citations

186265

28
h-index

315739

38
g-index

43
all docs

43
docs citations

43
times ranked

5700
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of the global burden, novel diagnostics, therapeutics, and vaccine targets for cryptosporidium. <i>Lancet Infectious Diseases</i> , The, 2015, 15, 85-94.	9.1	725
2	A plastid organelle as a drug target in apicomplexan parasites. <i>Nature</i> , 1997, 390, 407-409.	27.8	560
3	PlasmoDB: the Plasmodium genome resource. A database integrating experimental and computational data. <i>Nucleic Acids Research</i> , 2003, 31, 212-215.	14.5	329
4	FungiDB: An Integrated Bioinformatic Resource for Fungi and Oomycetes. <i>Journal of Fungi (Basel,)</i> Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	3.5	309
5	VEuPathDB: the eukaryotic pathogen, vector and host bioinformatics resource center. <i>Nucleic Acids Research</i> , 2022, 50, D898-D911.	14.5	277
6	Local admixture of amplified and diversified secreted pathogenesis determinants shapes mosaic <i>Toxoplasma gondii</i> genomes. <i>Nature Communications</i> , 2016, 7, 10147.	12.8	243
7	The Plastid of <i>Toxoplasma gondii</i> Is Divided by Association with the Centrosomes. <i>Journal of Cell Biology</i> , 2000, 151, 1423-1434.	5.2	222
8	Chromerid genomes reveal the evolutionary path from photosynthetic algae to obligate intracellular parasites. <i>ELife</i> , 2015, 4, e06974.	6.0	198
9	EuPathDB: the eukaryotic pathogen genomics database resource. <i>Nucleic Acids Research</i> , 2017, 45, D581-D591.	14.5	191
10	Genomic Profiling of Human <i>Leishmania braziliensis</i> Lesions Identifies Transcriptional Modules Associated with Cutaneous Immunopathology. <i>Journal of Investigative Dermatology</i> , 2015, 135, 94-101.	0.7	130
11	Just one cross appears capable of dramatically altering the population biology of a eukaryotic pathogen like <i>Toxoplasma gondii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10514-10519.	7.1	112
12	Evolutionary cell biology: Two origins, one objective. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16990-16994.	7.1	108
13	Crystal structures of <i>Toxoplasma gondii</i> HGXPRTase reveal the catalytic role of a long flexible loop. <i>Nature Structural and Molecular Biology</i> , 1996, 3, 881-887.	8.2	102
14	Shikimate pathway in apicomplexan parasites. <i>Nature</i> , 1999, 397, 219-220.	27.8	91
15	EuPathDB: The Eukaryotic Pathogen Genomics Database Resource. <i>Methods in Molecular Biology</i> , 2018, 1757, 69-113.	0.9	80
16	Bystander Chronic Infection Negatively Impacts Development of CD8+ T Cell Memory. <i>Immunity</i> , 2014, 40, 801-813.	14.3	78
17	Mining the Plasmodium genome database to define organellar function: what does the apicoplast do?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002, 357, 35-46.	4.0	70
18	Differential Induction of TLR3-Dependent Innate Immune Signaling by Closely Related Parasite Species. <i>PLoS ONE</i> , 2014, 9, e88398.	2.5	57

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19	Dynamics of the <i>Toxoplasma gondii</i> inner membrane complex. <i>Journal of Cell Science</i> , 2014, 127, 3320-30.	2.0	53
20	ToxoDB: Functional Genomics Resource for <i>Toxoplasma</i> and Related Organisms. <i>Methods in Molecular Biology</i> , 2020, 2071, 27-47.	0.9	50
21	A Lipolytic Lecithin:Cholesterol Acyltransferase Secreted by <i>Toxoplasma</i> Facilitates Parasite Replication and Egress. <i>Journal of Biological Chemistry</i> , 2016, 291, 3725-3746.	3.4	48
22	MicrobiomeDB: a systems biology platform for integrating, mining and analyzing microbiome experiments. <i>Nucleic Acids Research</i> , 2018, 46, D684-D691.	14.5	47
23	Aspartyl Protease 5 Matures Dense Granule Proteins That Reside at the Host-Parasite Interface in <i>Toxoplasma gondii</i> . <i>MBio</i> , 2018, 9, .	4.1	46
24	Glycolysis is important for optimal asexual growth and formation of mature tissue cysts by <i>Toxoplasma gondii</i> . <i>International Journal for Parasitology</i> , 2018, 48, 955-968.	3.1	45
25	The <i>Toxoplasma gondii</i> virulence factor ROP16 acts in cis and trans, and suppresses T cell responses. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	43
26	Malaria Transmission, Infection, and Disease following Sustained Indoor Residual Spraying of Insecticide in Tororo, Uganda. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020, 103, 1525-1533.	1.4	43
27	α -fucosylated glycoproteins form assemblies in close proximity to the nuclear pore complexes of <i>Toxoplasma gondii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11567-11572.	7.1	39
28	Interleukin-10 does not contribute to the pathogenesis of a virulent strain of <i>Toxoplasma gondii</i> . <i>Parasite Immunology</i> , 2001, 23, 291-296.	1.5	33
29	The Quest for Orthologs orthology benchmark service in 2022. <i>Nucleic Acids Research</i> , 2022, 50, W623-W632.	14.5	29
30	The Orphan Nuclear Receptor TLX Is an Enhancer of STAT1-Mediated Transcription and Immunity to <i>Toxoplasma gondii</i> . <i>PLoS Biology</i> , 2015, 13, e1002200.	5.6	25
31	Transport and Trafficking: <i>Toxoplasma</i> as a Model for <i>Plasmodium</i> . <i>Novartis Foundation Symposium</i> , 1999, 226, 176-198.	1.1	25
32	VectorBase.org updates: bioinformatic resources for invertebrate vectors of human pathogens and related organisms. <i>Current Opinion in Insect Science</i> , 2022, 50, 100860.	4.4	23
33	ClinEpiDB: an open-access clinical epidemiology database resource encouraging online exploration of complex studies. <i>Gates Open Research</i> , 2019, 3, 1661.	1.1	20
34	ClinEpiDB: an open-access clinical epidemiology database resource encouraging online exploration of complex studies. <i>Gates Open Research</i> , 2019, 3, 1661.	1.1	20
35	A large-scale proteogenomics study of apicomplexan pathogens <i>Toxoplasma gondii</i> and <i>Neospora caninum</i> . <i>Proteomics</i> , 2015, 15, 2618-2628.	2.2	19
36	PlasmoDB: The <i>Plasmodium</i> Genome Resource. , 0, , 12-23.		17

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37	The strategies WDK: a graphical search interface and web development kit for functional genomics databases. Database: the Journal of Biological Databases and Curation, 2011, 2011, bar027-bar027.	3.0	15
38	CSGID Solves Structures and Identifies Phenotypes for Five Enzymes in Toxoplasma gondii. Frontiers in Cellular and Infection Microbiology, 2018, 8, 352.	3.9	14
39	Cooperation in Countering Artemisinin Resistance in Africa: Learning from COVID-19. American Journal of Tropical Medicine and Hygiene, 2022, , .	1.4	2
40	THE APICOPLAST â€¦ WHERE DID IT COME FROM; WHAT DOES IT DO? Mining the Plasmodium genome to define an organellar â€œmetabolomeâ€™. Biochemical Society Transactions, 2000, 28, A473-A473.	3.4	0