

Gunnar R Mair

List of Publications by Year in descending order

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36
papers

2,806
citations

331670

21
h-index

361022

35
g-index

37
all docs

37
docs citations

37
times ranked

2510
citing authors

#	ARTICLE	IF	CITATIONS
1	High efficiency transfection of <i>Plasmodium berghei</i> facilitates novel selection procedures. <i>Molecular and Biochemical Parasitology</i> , 2006, 145, 60-70.	1.1	426
2	Regulation of Sexual Development of <i>Plasmodium</i> by Translational Repression. <i>Science</i> , 2006, 313, 667-669.	12.6	407
3	Proteome Analysis of Separated Male and Female Gametocytes Reveals Novel Sex-Specific <i>Plasmodium</i> Biology. <i>Cell</i> , 2005, 121, 675-687.	28.9	336
4	Universal Features of Post-Transcriptional Gene Regulation Are Critical for <i>Plasmodium</i> Zygote Development. <i>PLoS Pathogens</i> , 2010, 6, e1000767.	4.7	237
5	Integrated transcriptomic and proteomic analyses of <i>P. falciparum</i> gametocytes: molecular insight into sex-specific processes and translational repression. <i>Nucleic Acids Research</i> , 2016, 44, 6087-6101.	14.5	216
6	Proteomic Profiling of <i>Plasmodium</i> Sporozoite Maturation Identifies New Proteins Essential for Parasite Development and Infectivity. <i>PLoS Pathogens</i> , 2008, 4, e1000195.	4.7	191
7	Discovery of multiple neuropeptide families in the phylum Platyhelminthes. <i>International Journal for Parasitology</i> , 2009, 39, 1243-1252.	3.1	85
8	Transition of <i>Plasmodium</i> Sporozoites into Liver Stage-Like Forms Is Regulated by the RNA Binding Protein Pumilio. <i>PLoS Pathogens</i> , 2011, 7, e1002046.	4.7	82
9	<i>Plasmodium</i> UIS3 sequesters host LC3 to avoid elimination by autophagy in hepatocytes. <i>Nature Microbiology</i> , 2018, 3, 17-25.	13.3	81
10	Genome-wide RIP-Chip analysis of translational repressor-bound mRNAs in the <i>Plasmodium</i> gametocyte. <i>Genome Biology</i> , 2014, 15, 493.	8.8	80
11	Proteomic Analysis of the <i>Plasmodium berghei</i> Gametocyte Egressome and Vesicular bioID of Osmiophilic Body Proteins Identifies Merozoite TRAP-like Protein (MTRAP) as an Essential Factor for Parasite Transmission. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 2852-2862.	3.8	80
12	A Putative Small Solute Transporter Is Responsible for the Secretion of G377 and TRAP-Containing Secretory Vesicles during <i>Plasmodium</i> Gamete Egress and Sporozoite Motility. <i>PLoS Pathogens</i> , 2016, 12, e1005734.	4.7	49
13	The <i>Plasmodium</i> palmitoyl-S-acyl-transferase DHHC2 is essential for ookinete morphogenesis and malaria transmission. <i>Scientific Reports</i> , 2015, 5, 16034.	3.3	46
14	Experimentally controlled downregulation of the histone chaperone FACT in <i>Plasmodium berghei</i> reveals that it is critical to male gamete fertility. <i>Cellular Microbiology</i> , 2011, 13, 1956-1974.	2.1	43
15	Zinc finger nuclease-based double-strand breaks attenuate malaria parasites and reveal rare microhomology-mediated end joining. <i>Genome Biology</i> , 2015, 16, 249.	8.8	43
16	Analysis of mutant <i>Plasmodium berghei</i> parasites lacking expression of multiple PbCCp genes. <i>Molecular and Biochemical Parasitology</i> , 2009, 163, 1-7.	1.1	41
17	Loss of function analyses defines vital and redundant functions of the <i>Plasmodium</i> rhomboid protease family. <i>Molecular Microbiology</i> , 2013, 88, 318-338.	2.5	40
18	A functionally atypical amidating enzyme from the human parasite <i>Schistosoma mansoni</i> . <i>FASEB Journal</i> , 2004, 18, 114-121.	0.5	36

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19	Monogenean neuromusculature: some structural and functional correlates. <i>International Journal for Parasitology</i> , 1998, 28, 1609-1623.	3.1	29
20	Maternally supplied S-acyl-transferase is required for crystalloid organelle formation and transmission of the malaria parasite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7183-7188.	7.1	28
21	Malaria parasite LIMP protein regulates sporozoite gliding motility and infectivity in mosquito and mammalian hosts. <i>ELife</i> , 2017, 6, .	6.0	27
22	Genetic crosses and complementation reveal essential functions for the <i>P. lasmodium</i> stage-specific actin2 in sporogonic development. <i>Cellular Microbiology</i> , 2014, 16, 751-767.	2.1	24
23	Gene organization and expression of a neuropeptide Y homolog from the land planarian <i>Arthurdendyus triangulatus</i> . <i>Journal of Comparative Neurology</i> , 2002, 454, 58-64.	1.6	21
24	Schistosome I/Lamides – A new family of bioactive helminth neuropeptides. <i>International Journal for Parasitology</i> , 2011, 41, 905-913.	3.1	19
25	Nuclear Pore Complex Components in the Malaria Parasite <i>Plasmodium berghei</i> . <i>Scientific Reports</i> , 2018, 8, 11249.	3.3	19
26	Translational repression of the cpw-wpc gene family in the malaria parasite <i>Plasmodium</i> . <i>Parasitology International</i> , 2016, 65, 463-471.	1.3	18
27	In silico identification of genetically attenuated vaccine candidate genes for <i>Plasmodium</i> liver stage. <i>Infection, Genetics and Evolution</i> , 2015, 36, 72-81.	2.3	17
28	A small mitochondrial protein present in myzozoans is essential for malaria transmission. <i>Open Biology</i> , 2016, 6, 160034.	3.6	17
29	EAT-18 is an essential auxiliary protein interacting with the non-alpha nAChR subunit EAT-2 to form a functional receptor. <i>PLoS Pathogens</i> , 2020, 16, e1008396.	4.7	17
30	Transmission of the malaria parasite requires ferlin for gamete egress from the red blood cell. <i>Cellular Microbiology</i> , 2019, 21, e12999.	2.1	14
31	Translational Control of UIS4 Protein of the Host-Parasite Interface Is Mediated by the RNA Binding Protein Puf2 in <i>Plasmodium berghei</i> Sporozoites. <i>PLoS ONE</i> , 2016, 11, e0147940.	2.5	14
32	Identification of a Golgi apparatus protein complex important for the asexual erythrocytic cycle of the malaria parasite <i>Plasmodium falciparum</i> . <i>Cellular Microbiology</i> , 2018, 20, e12843.	2.1	8
33	Functional genetic evaluation of DNA house-cleaning enzymes in the malaria parasite: dUTPase and Ap4AH are essential in <i>Plasmodium berghei</i> but ITPase and NDH are dispensable. <i>Expert Opinion on Therapeutic Targets</i> , 2019, 23, 251-261.	3.4	6
34	The neuromuscular system of the sheep tapeworm <i>Moniezia expansa</i> . <i>Invertebrate Neuroscience</i> , 2020, 20, 17.	1.8	5
35	Malaria transmission through the mosquito requires the function of the OMD protein. <i>PLoS ONE</i> , 2019, 14, e0222226.	2.5	2
36	Gliding motility protein LIMP promotes optimal mosquito midgut traversal and infection by <i>Plasmodium berghei</i> . <i>Molecular and Biochemical Parasitology</i> , 2021, 241, 111347.	1.1	0