

Jun Miao

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

2,311
citations

201674

27
h-index

233421

45
g-index

68
all docs

68
docs citations

68
times ranked

2445
citing authors

#	ARTICLE	IF	CITATIONS
1	The malaria parasite <i>Plasmodium falciparum</i> histones: Organization, expression, and acetylation. <i>Gene</i> , 2006, 369, 53-65.	2.2	166
2	Histone lysine methyltransferases and demethylases in <i>Plasmodium falciparum</i> . <i>International Journal for Parasitology</i> , 2008, 38, 1083-1097.	3.1	128
3	PfGCN5-Mediated Histone H3 Acetylation Plays a Key Role in Gene Expression in <i>Plasmodium falciparum</i> . <i>Eukaryotic Cell</i> , 2007, 6, 1219-1227.	3.4	113
4	Chromatin-Mediated Epigenetic Regulation in the Malaria Parasite <i>Plasmodium falciparum</i> . <i>Eukaryotic Cell</i> , 2010, 9, 1138-1149.	3.4	108
5	Histone Acetyltransferase Inhibitor Anacardic Acid Causes Changes in Global Gene Expression during In Vitro <i>Plasmodium falciparum</i> Development. <i>Eukaryotic Cell</i> , 2008, 7, 1200-1210.	3.4	101
6	Genome-wide association analysis identifies genetic loci associated with resistance to multiple antimalarials in <i>Plasmodium falciparum</i> from China-Myanmar border. <i>Scientific Reports</i> , 2016, 6, 33891.	3.3	100
7	The Puf-family RNA-binding protein PfPuf2 regulates sexual development and sex differentiation in the malaria parasite <i>Plasmodium falciparum</i> . <i>Journal of Cell Science</i> , 2010, 123, 1039-1049.	2.0	88
8	Extensive lysine acetylation occurs in evolutionarily conserved metabolic pathways and parasite-specific functions during <i>Plasmodium falciparum</i> intraerythrocytic development. <i>Molecular Microbiology</i> , 2013, 89, 660-675.	2.5	86
9	Artemisinin Resistance at the China-Myanmar Border and Association with Mutations in the K13 Propeller Gene. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 6952-6959.	3.2	84
10	Mechanisms of <i>in vitro</i> resistance to dihydroartemisinin in <i>Plasmodium falciparum</i> . <i>Molecular Microbiology</i> , 2012, 86, 111-128.	2.5	83
11	Prevalence of K13-propeller polymorphisms in <i>Plasmodium falciparum</i> from China-Myanmar border in 2007-2012. <i>Malaria Journal</i> , 2015, 14, 168.	2.3	71
12	The MYST family histone acetyltransferase regulates gene expression and cell cycle in malaria parasite <i>Plasmodium falciparum</i> . <i>Molecular Microbiology</i> , 2010, 78, 883-902.	2.5	66
13	Puf Mediates Translation Repression of Transmission-Blocking Vaccine Candidates in Malaria Parasites. <i>PLoS Pathogens</i> , 2013, 9, e1003268.	4.7	66
14	Translational regulation during stage transitions in malaria parasites. <i>Annals of the New York Academy of Sciences</i> , 2015, 1342, 1-9.	3.8	59
15	Role of <i>Plasmodium falciparum</i> Kelch 13 Protein Mutations in <i>P. falciparum</i> Populations from Northeastern Myanmar in Mediating Artemisinin Resistance. <i>MBio</i> , 2020, 11, .	4.1	56
16	In Vitro Sensitivity of <i>Plasmodium falciparum</i> Clinical Isolates from the China-Myanmar Border Area to Quinine and Association with Polymorphism in the Na ⁺ /H ⁺ Exchanger. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 4306-4313.	3.2	54
17	Characterization of PRMT1 from <i>Plasmodium falciparum</i> . <i>Biochemical Journal</i> , 2009, 421, 107-118.	3.7	49
18	Sample-to-answer palm-sized nucleic acid testing device towards low-cost malaria mass screening. <i>Biosensors and Bioelectronics</i> , 2018, 115, 83-90.	10.1	46

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19	Plasmodium falciparum: Development of a transgenic line for screening antimalarials using firefly luciferase as the reporter. <i>Experimental Parasitology</i> , 2008, 120, 80-87.	1.2	45
20	Epigenetic reader complexes of the human malaria parasite, <i>Plasmodium falciparum</i> . <i>Nucleic Acids Research</i> , 2019, 47, 11574-11588.	14.5	45
21	Rapid isolation of single malaria parasite-infected red blood cells by cell sorting. <i>Nature Protocols</i> , 2011, 6, 140-146.	12.0	42
22	Sex-Specific Biology of the Human Malaria Parasite Revealed from the Proteomes of Mature Male and Female Gametocytes. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 537-551.	3.8	41
23	A field-deployable mobile molecular diagnostic system for malaria at the point of need. <i>Lab on A Chip</i> , 2016, 16, 4341-4349.	6.0	39
24	Gametocytogenesis in malaria parasite: commitment, development and regulation. <i>Future Microbiology</i> , 2011, 6, 1351-1369.	2.0	38
25	<i>Plasmodium falciparum</i> : Generation of pure gametocyte culture by heparin treatment. <i>Experimental Parasitology</i> , 2013, 135, 541-545.	1.2	38
26	The <i>Plasmodium falciparum</i> male gametocyte protein P230p, a paralog of P230, is vital for ookinete formation and mosquito transmission. <i>Scientific Reports</i> , 2018, 8, 14902.	3.3	37
27	A Flow Cytometry-Based Quantitative Drug Sensitivity Assay for All <i>Plasmodium falciparum</i> Gametocyte Stages. <i>PLoS ONE</i> , 2014, 9, e93825.	2.5	32
28	<i>Plasmodium falciparum</i> Falcipain-2a Polymorphisms in Southeast Asia and Their Association With Artemisinin Resistance. <i>Journal of Infectious Diseases</i> , 2018, 218, 434-442.	4.0	32
29	The RNA-binding protein PfPuf1 functions in the maintenance of gametocytes in <i>Plasmodium falciparum</i> . <i>Journal of Cell Science</i> , 2016, 129, 3144-52.	2.0	29
30	Quantitative analysis of conditional gene inactivation using rationally designed, tetracycline-controlled miRNAs. <i>Nucleic Acids Research</i> , 2010, 38, e168-e168.	14.5	26
31	High-throughput and label-free parasitemia quantification and stage differentiation for malaria-infected red blood cells. <i>Biosensors and Bioelectronics</i> , 2017, 98, 408-414.	10.1	26
32	<i>Plasmodium falciparum</i> multidrug resistance protein 1 (pfmrp1) gene and its association with in vitro drug susceptibility of parasite isolates from north-east Myanmar. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 2110-2117.	3.0	24
33	A unique GCN5 histone acetyltransferase complex controls erythrocyte invasion and virulence in the malaria parasite <i>Plasmodium falciparum</i> . <i>PLoS Pathogens</i> , 2021, 17, e1009351.	4.7	24
34	A novel multistage antiplasmodial inhibitor targeting <i>Plasmodium falciparum</i> histone deacetylase 1. <i>Cell Discovery</i> , 2020, 6, 93.	6.7	23
35	In vitro susceptibility of <i>Plasmodium falciparum</i> isolates from the China-Myanmar border area to artemisinins and correlation with K13 mutations. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2019, 10, 20-27.	3.4	20
36	Arbitrarily Accessible 3D Microfluidic Device for Combinatorial High-Throughput Drug Screening. <i>Sensors</i> , 2016, 16, 1616.	3.8	19

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37	Population genomics identifies a distinct <i>Plasmodium vivax</i> population on the China-Myanmar border of Southeast Asia. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008506.	3.0	18
38	Ex vivo susceptibilities of <i>Plasmodium vivax</i> isolates from the China-Myanmar border to antimalarial drugs and association with polymorphisms in <i>Pvmdr1</i> and <i>Pvcrt-o</i> genes. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008255.	3.0	18
39	The <i>Plasmodium vivax</i> Merozoite Surface Protein 3 ¹² Sequence Reveals Contrasting Parasite Populations in Southern and Northwestern Thailand. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e3336.	3.0	16
40	Targeted Disruption of a Ring-infected Erythrocyte Surface Antigen (RESA)-like Export Protein Gene in <i>Plasmodium falciparum</i> Confers Stable Chondroitin 4-Sulfate Cytoadherence Capacity. <i>Journal of Biological Chemistry</i> , 2014, 289, 34408-34421.	3.4	16
41	DNA helicase <i>RecQ1</i> regulates mutually exclusive expression of virulence genes in <i>Plasmodium falciparum</i> via heterochromatin alteration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3177-3182.	7.1	16
42	Cloning of <i>Plasmodium falciparum</i> by single-cell sorting. <i>Experimental Parasitology</i> , 2010, 126, 198-202.	1.2	15
43	Characterization of <i>TgPuf1</i> , a member of the Puf family RNA-binding proteins from <i>Toxoplasma gondii</i> . <i>Parasites and Vectors</i> , 2014, 7, 141.	2.5	14
44	An MFS-Domain Protein <i>Pb115</i> Plays a Critical Role in Gamete Fertilization of the Malaria Parasite <i>Plasmodium berghei</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 2193.	3.5	11
45	Discovery of fast-acting dual-stage antimalarial agents by profiling pyridylvinylquinoline chemical space via copper catalyzed azide-alkyne cycloadditions. <i>European Journal of Medicinal Chemistry</i> , 2021, 209, 112889.	5.5	10
46	An alternative protocol for <i>Plasmodium falciparum</i> culture synchronization and a new method for synchrony confirmation. <i>Malaria Journal</i> , 2013, 12, 386.	2.3	9
47	Lineage-Specific Expansion of <i>Plasmodium falciparum</i> Parasites With <i>pfhrp2</i> Deletion in the Greater Mekong Subregion. <i>Journal of Infectious Diseases</i> , 2020, 222, 1561-1569.	4.0	9
48	In Vitro Susceptibility of <i>Plasmodium falciparum</i> Isolates from the China-Myanmar Border Area to Piperaquine and Association with Candidate Markers. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	3.2	9
49	Development of a BAC vector for integration-independent and tight regulation of transgenes in rodents via the Tet system. <i>Transgenic Research</i> , 2011, 20, 709-720.	2.4	8
50	<i>Puf3</i> participates in ribosomal biogenesis in malaria parasites. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	8
51	Synthesis, Structure-Activity Relationship, and Antimalarial Efficacy of 6-Chloro-2-arylvinylquinolines. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 11756-11785.	6.4	7
52	Distinct Histone Post-translational Modifications during <i>Plasmodium falciparum</i> Gametocyte Development. <i>Journal of Proteome Research</i> , 2022, 21, 1857-1867.	3.7	7
53	A glance of the blood stage transcriptome of a Southeast Asian <i>Plasmodium ovale</i> isolate. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007850.	3.0	5
54	New <i>Plasmodium vivax</i> Genomes From the China-Myanmar Border. <i>Frontiers in Microbiology</i> , 2020, 11, 1930.	3.5	5

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55	A Leak-Free Inducible CRISPRi/a System for Gene Functional Studies in Plasmodium falciparum. Microbiology Spectrum, 2022, , e0278221.	3.0	3
56	Characterization of a Sulfhydryl Oxidase From Plasmodium berghei as a Target for Blocking Parasite Transmission. Frontiers in Cellular and Infection Microbiology, 2020, 10, 311.	3.9	1
57	Mobile all-in-one malaria molecular diagnosis for field deployment in resource-limited areas. , 2016, , .		0
58	Sample-to-answer mobile malaria molecular diagnosis system for resource-limiting areas. , 2017, , .		0
59	High-throughput and label-free parasitemia quantification and stage determination for plasmodium falciparum-infected red blood cells. , 2017, , .		0
60	Chromatin Structure and Function. , 2013, , 1-14.		0
61	Title is missing!. , 2020, 14, e0008506.		0
62	Title is missing!. , 2020, 14, e0008506.		0
63	Title is missing!. , 2020, 14, e0008506.		0
64	Title is missing!. , 2020, 14, e0008506.		0
65	Title is missing!. , 2020, 14, e0008506.		0
66	Title is missing!. , 2020, 14, e0008506.		0