Sachel Mok

List of Publications by Year
in descending order

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42	3,317	236925	265206
papers	citations	25 h-index	42 g-index

47	47	47	3390
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Population transcriptomics of human malaria parasites reveals the mechanism of artemisinin resistance. Science, 2015, 347, 431-435.	12.6	362
2	Targeting the Cell Stress Response of Plasmodium falciparum to Overcome Artemisinin Resistance. PLoS Biology, 2015, 13, e1002132.	5.6	254
3	The transcriptome of Plasmodium vivax reveals divergence and diversity of transcriptional regulation in malaria parasites. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16290-16295.	7.1	234
4	Transcriptional profiling of growth perturbations of the human malaria parasite Plasmodium falciparum. Nature Biotechnology, 2010, 28, 91-98.	17.5	196
5	Transcriptional variation in the malaria parasite Plasmodium falciparum. Genome Research, 2012, 22, 925-938.	5.5	194
6	A subset of group A-like var genes encodes the malaria parasite ligands for binding to human brain endothelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1772-81.	7.1	183
7	Emerging Southeast Asian PfCRT mutations confer Plasmodium falciparum resistance to the first-line antimalarial piperaquine. Nature Communications, 2018, 9, 3314.	12.8	183
8	Artemisinin resistance in Plasmodium falciparum is associated with an altered temporal pattern of transcription. BMC Genomics, 2011, 12, 391.	2.8	135
9	Oxidative stress and protein damage responses mediate artemisinin resistance in malaria parasites. PLoS Pathogens, 2018, 14, e1006930.	4.7	129
10	Molecular Mechanisms of Drug Resistance in Plasmodium falciparum Malaria. Annual Review of Microbiology, 2020, 74, 431-454.	7.3	123
11	Quantitative protein expression profiling reveals extensive post-transcriptional regulation and post-translational modifications in schizont-stage malaria parasites. Genome Biology, 2008, 9, R177.	9.6	107
12	Local emergence in Amazonia of Plasmodium falciparum k13 C580Y mutants associated with in vitro artemisinin resistance. ELife, 2020, 9, .	6.0	102
13	Dynamic Epigenetic Regulation of Gene Expression during the Life Cycle of Malaria Parasite Plasmodium falciparum. PLoS Pathogens, 2013, 9, e1003170.	4.7	90
14	Plasmodium falciparum K13 mutations in Africa and Asia impact artemisinin resistance and parasite fitness. ELife, 2021, 10, .	6.0	85
15	A Variant PfCRT Isoform Can Contribute to Plasmodium falciparum Resistance to the First-Line Partner Drug Piperaquine. MBio, 2017, 8, .	4.1	82
16	Artemisinin-resistant K13 mutations rewire Plasmodium falciparumâ€™s intra-erythrocytic metabolic program to enhance survival. Nature Communications, 2021, 12, 530.	12.8	82
17	Comparative Transcriptional and Genomic Analysis of Plasmodium falciparum Field Isolates. PLoS Pathogens, 2009, 5, e1000644.	4.7	76
18	New insights into the Plasmodium vivax transcriptome using RNA-Seq. Scientific Reports, 2016, 6, 20498.	3.3	65

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19	Adaptation of Plasmodium falciparum to its transmission environment. Nature Ecology and Evolution, 2018, 2, 377-387.	7.8	65
20	Insights into the intracellular localization, protein associations and artemisinin resistance properties of Plasmodium falciparumÂK13. PLoS Pathogens, 2020, 16, e1008482.	4.7	60
21	Inhibition of Resistance-Refractory P. falciparum Kinase PKG Delivers Prophylactic, Blood Stage, and Transmission-Blocking Antiplasmodial Activity. Cell Chemical Biology, 2020, 27, 806-816.e8.	5.2	56
22	Integrated analysis of the Plasmodium species transcriptome. EBioMedicine, 2016, 7, 255-266.	6.1	55
23	The Antimalarial Natural Product Salinipostin A Identifies Essential Î±/Î² Serine Hydrolases Involved in Lipid Metabolism in P.Âfalciparum Parasites. Cell Chemical Biology, 2020, 27, 143-157.e5.	5.2	48
24	The origins of malaria artemisinin resistance defined by a genetic and transcriptomic background. Nature Communications, 2018, 9, 5158.	12.8	41
25	Global Spread of Mutant PfCRT and Its Pleiotropic Impact on Plasmodium falciparum Multidrug Resistance and Fitness. MBio, 2019, 10, .	4.1	35
26	Plasmodium knowlesi gene expression differs in ex vivo compared to in vitro blood-stage cultures. Malaria Journal, 2015, 14, 110.	2.3	31
27	Structural polymorphism in the promoter of <scp>pfmrp2</scp> confers <scp>P</scp>lasmodium falciparum tolerance to quinoline drugs. Molecular Microbiology, 2014, 91, 918-934.	2.5	28
28	The antimalarial MMV688533 provides potential for single-dose cures with a high barrier to Plasmodium falciparum parasite resistance. Science Translational Medicine, 2021, 13, .	12.4	25
29	Potent Antimalarials with Development Potential Identified by Structure-Guided Computational Optimization of a Pyrrole-Based Dihydroorotate Dehydrogenase Inhibitor Series. Journal of Medicinal Chemistry, 2021, 64, 6085-6136.	6.4	24
30	A Whole Cell Pathway Screen Reveals Seven Novel Chemosensitizers to Combat Chloroquine Resistant Malaria. Scientific Reports, 2013, 3, 1734.	3.3	23
31	DNA Microarray-Based Genome-Wide Analyses of Plasmodium Parasites. Methods in Molecular Biology, 2012, 923, 189-211.	0.9	21
32	Repositioning and Characterization of 1-(Pyridin-4-yl)pyrrolidin-2-one Derivatives as Plasmodium Cytoplasmic Prolyl-tRNA Synthetase Inhibitors. ACS Infectious Diseases, 2021, 7, 1680-1689.	3.8	14
33	The Plasmodium falciparum ABC transporter ABCI3 confers parasite strain-dependent pleiotropic antimalarial drug resistance. Cell Chemical Biology, 2022, 29, 824-839.e6.	5.2	14
34	Chemoprotective antimalarials identified through quantitative high-throughput screening of Plasmodium blood and liver stage parasites. Scientific Reports, 2021, 11, 2121.	3.3	14
35	Design of a variant surface antigen-supplemented microarray chip for whole transcriptome analysis of multiple Plasmodium falciparum cytoadherent strains, and identification of strain-transcendent rif and stevor genes. Malaria Journal, 2011, 10, 180.	2.3	13
36	Safety, pharmacokinetics, and antimalarial activity of the novel triaminopyrimidine ZY-19489: a first-in-human, randomised, placebo-controlled, double-blind, single ascending dose study, pilot food-effect study, and volunteer infection study. Lancet Infectious Diseases, The, 2022, 22, 879-890.	9.1	13

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37	Gene copy number variation in natural populations of Plasmodium falciparum in Eastern Africa. BMC Genomics, 2018, 19, 372.	2.8	12
38	Identification and Profiling of a Novel Diazaspiro[3.4]octane Chemical Series Active against Multiple Stages of the Human Malaria Parasite Plasmodium falciparum and Optimization Efforts. Journal of Medicinal Chemistry, 2021, 64, 2291-2309.	6.4	11
39	Novel Antimalarial Tetrazoles and Amides Active against the Hemoglobin Degradation Pathway in Plasmodium falciparum. Journal of Medicinal Chemistry, 2021, 64, 2739-2761.	6.4	10
40	Comparative Analysis of Plasmodium falciparum Genotyping via SNP Detection, Microsatellite Profiling, and Whole-Genome Sequencing. Antimicrobial Agents and Chemotherapy, 2022, 66, AAC0116321.	3.2	8
41	A crucial piece in the puzzle of the artemisinin resistance mechanism in Plasmodium falciparum. Trends in Parasitology, 2015, 31, 345-346.	3.3	6
42	3-Hydroxy-propanamidines, a New Class of Orally Active Antimalarials Targeting Plasmodium falciparum. Journal of Medicinal Chemistry, 2021, 64, 3035-3047.	6.4	5