Michael Delves

List of Publications by Year
in descending order

52 papers	3,892 citations	136950 32 h-index	175258 52 g-index
55 all docs	55 docs citations	55 times ranked	4384 citing authors

#	Article	IF	Citations
1	A novel multiple-stage antimalarial agent that inhibits protein synthesis. Nature, 2015, 522, 315-320.	27.8	353
2	The Activities of Current Antimalarial Drugs on the Life Cycle Stages of Plasmodium: A Comparative Study with Human and Rodent Parasites. PLoS Medicine, 2012, 9, e1001169.	8.4	301
3	A long-duration dihydroorotate dehydrogenase inhibitor (DSM265) for prevention and treatment of malaria. Science Translational Medicine, 2015, 7, 296ra111.	12.4	254
4	Open Source Drug Discovery with the Malaria Box Compound Collection for Neglected Diseases and Beyond. PLoS Pathogens, 2016, 12, e1005763.	4.7	244
5	Antimalarial efficacy of MMV390048, an inhibitor of Plasmodium phosphatidylinositol 4-kinase. Science Translational Medicine, 2017, 9, .	12.4	204
6	Quinolone-3-Diarylethers: A New Class of Antimalarial Drug. Science Translational Medicine, 2013, 5, 177ra37.	12.4	187
7	Measuring the blockade of malaria transmission â€“ An analysis of the Standard Membrane Feeding Assay. International Journal for Parasitology, 2012, 42, 1037-1044.	3.1	162
8	Male and Female Plasmodium falciparum Mature Gametocytes Show Different Responses to Antimalarial Drugs. Antimicrobial Agents and Chemotherapy, 2013, 57, 3268-3274.	3.2	158
9	Generation of quinolone antimalarials targeting the Plasmodium falciparum mitochondrial respiratory chain for the treatment and prophylaxis of malaria. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8298-8303.	7.1	143
10	Routine in vitro culture of P. falciparum gametocytes to evaluate novel transmission-blocking interventions. Nature Protocols, 2016, 11, 1668-1680.	12.0	115
11	A Male and Female Gametocyte Functional Viability Assay To Identify Biologically Relevant Malaria Transmission-Blocking Drugs. Antimicrobial Agents and Chemotherapy, 2014, 58, 7292-7302.	3.2	112
12	Pyrazoleamide compounds are potent antimalarials that target Na+ homeostasis in intraerythrocytic Plasmodium falciparum. Nature Communications, 2014, 5, 5521.	12.8	108
13	Lysyl-tRNA synthetase as a drug target in malaria and cryptosporidiosis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7015-7020.	7.1	94
14	A high throughput screen for next-generation leads targeting malaria parasite transmission. Nature Communications, 2018, 9, 3805.	12.8	92
15	Antimalarial Transmission-Blocking Interventions: Past, Present, and Future. Trends in Parasitology, 2018, 34, 735-746.	3.3	73
16	Spatial Localisation of Actin Filaments across Developmental Stages of the Malaria Parasite. PLoS ONE, 2012, 7, e32188.	2.5	69
17	Open Source Drug Discovery: Highly Potent Antimalarial Compounds Derived from the Tres Cantos Arylpyrroles. ACS Central Science, 2016, 2, 687-701.	11.3	68
18	Discovery of a Quinoline-4-carboxamide Derivative with a Novel Mechanism of Action, Multistage Antimalarial Activity, and Potent in Vivo Efficacy. Journal of Medicinal Chemistry, 2016, 59, 9672-9685.	6.4	66

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19	Assessment of therapeutic responses to gametocytocidal drugs in Plasmodium falciparum malaria. Malaria Journal, 2014, 13, 483.	2.3	61
20	A high-throughput assay for the identification of malarial transmission-blocking drugs and vaccines. International Journal for Parasitology, 2012, 42, 999-1006.	3.1	59
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	A tetraoxane-based antimalarial drug candidate that overcomes PfK13-C580Y dependent artemisinin resistance. Nature Communications, 2017, 8, 15159.	12.8	51
23	Adaptation of targeted nanocarriers to changing requirements in antimalarial drug delivery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 515-525.	3.3	49
24	Hexahydroquinolines are antimalarial candidates with potent blood-stage and transmission-blocking activity. Nature Microbiology, 2017, 2, 1403-1414.	13.3	47
25	A semi-automated method for counting fluorescent malaria oocysts increases the throughput of transmission blocking studies. Malaria Journal, 2010, 9, 35.	2.3	45
26	Quantitative analysis of<scp>P</scp>lasmodiumookinete motion in three dimensions suggests a critical role for cell shape in the biomechanics of malaria parasite gliding motility. Cellular Microbiology, 2014, 16, 734-750.	2.1	45
27	Imaging-Based High-Throughput Screening Assay To Identify New Molecules with Transmission-Blocking Potential against Plasmodium falciparum Female Gamete Formation. Antimicrobial Agents and Chemotherapy, 2015, 59, 3298-3305.	3.2	45
28	Histone Methyltransferase Inhibitors Are Orally Bioavailable, Fast-Acting Molecules with Activity against Different Species Causing Malaria in Humans. Antimicrobial Agents and Chemotherapy, 2015, 59, 950-959.	3.2	43
29	Hundreds of dual-stage antimalarial molecules discovered by a functional gametocyte screen. Nature Communications, 2017, 8, 15160.	12.8	42
30	Use of a Selective Inhibitor To Define the Chemotherapeutic Potential of the Plasmodial Hexose Transporter in Different Stages of the Parasite's Life Cycle. Antimicrobial Agents and Chemotherapy, 2011, 55, 2824-2830.	3.2	39
31	An essential role of the basal body protein <scp>SAS</scp> â€6 in <scp>P</scp>lasmodium male gamete development and malaria transmission. Cellular Microbiology, 2015, 17, 191-206.	2.1	37
32	Plasmodium male development gene-1 (mdv-1) is important for female sexual development and identifies a polarised plasma membrane during zygote development. International Journal for Parasitology, 2009, 39, 755-761.	3.1	36
33	Changes in metabolic phenotypes of Plasmodium falciparum in vitro cultures during gametocyte development. Malaria Journal, 2014, 13, 468.	2.3	36
34	Characterization of Novel Antimalarial Compound ACT-451840: Preclinical Assessment of Activity and Doseâ€"Efficacy Modeling. PLoS Medicine, 2016, 13, e1002138.	8.4	35
35	Kinesin-8B controls basal body function and flagellum formation and is key to malaria transmission. Life Science Alliance, 2019, 2, e201900488.	2.8	33
36	The design and interpretation of laboratory assays measuring mosquito transmission of Plasmodium. Trends in Parasitology, 2012, 28, 457-465.	3.3	32

#	Article	IF	Citations
37	Fueling Open Innovation for Malaria Transmission-Blocking Drugs: Hundreds of Molecules Targeting Early Parasite Mosquito Stages. Frontiers in Microbiology, 2019, 10, 2134.	3.5	31
38	The Plasmodium berghei sexual stage antigen PSOP12 induces anti-malarial transmission blocking immunity both in vivo and in vitro. Vaccine, 2015, 33, 437-445.	3.8	30
39	Plasmodium cell biology should inform strategies used in the development of antimalarial transmission-blocking drugs. Future Medicinal Chemistry, 2012, 4, 2251-2263.	2.3	27
40	The antimalarial screening landscapeâ€"looking beyond the asexual blood stage. Current Opinion in Chemical Biology, 2019, 50, 1-9.	6.1	27
41	Lead Clinical and Preclinical Antimalarial Drugs Can Significantly Reduce Sporozoite Transmission to Vertebrate Populations. Antimicrobial Agents and Chemotherapy, 2015, 59, 490-497.	3.2	23
42	Allele-Specific Isothermal Amplification Method Using Unmodified Self-Stabilizing Competitive Primers. Analytical Chemistry, 2018, 90, 11972-11980.	6.5	22
43	Transmission-blocking Effects of Primaquine and Methylene Blue Suggest Plasmodium falciparum Gametocyte Sterilization Rather Than Effects on Sex Ratio. Clinical Infectious Diseases, 2019, 69, 1436-1439.	5.8	21
44	Polyamidoamine Nanoparticles for the Oral Administration of Antimalarial Drugs. Pharmaceutics, 2018, 10, 225.	4.5	17
45	A GFP-Actin reporter line to explore microfilament dynamics across the malaria parasite lifecycle. Molecular and Biochemical Parasitology, 2012, 182, 93-96.	1.1	15
46	A Malaria Transmission-Blocking (+)-Usnic Acid Derivative Prevents Plasmodium Zygote-to-Ookinete Maturation in the Mosquito Midgut. ACS Chemical Biology, 2016, 11, 3461-3472.	3.4	13
47	An inexpensive open source 3D-printed membrane feeder for human malaria transmission studies. Malaria Journal, 2018, 17, 282.	2.3	13
48	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
49	Use of Plasmodium falciparum culture-adapted field isolates for in vitro exflagellation-blocking assay. Malaria Journal, 2015, 14, 234.	2.3	10
50	8â€Aminoquinolines with an Aminoxyalkyl Side Chain Exert in vitro Dualâ€Stage Antiplasmodial Activity. ChemMedChem, 2019, 14, 501-511.	3.2	6
51	Substituted Aminoacetamides as Novel Leads for Malaria Treatment. ChemMedChem, 2019, 14, 1329-1335.	3.2	5
52	3-Hydroxy-Nâ€²-arylidenepropanehydrazonamides with Halo-Substituted Phenanthrene Scaffolds Cure P. berghei Infected Mice When Administered Perorally. Journal of Medicinal Chemistry, 2017, 60, 6036-6044.	6.4	4