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List of Publications by Year
in descending order

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73 papers	2,648 citations	236925 25 h-index	214800 47 g-index
77 all docs	77 docs citations	77 times ranked	3216 citing authors

#	Article	IF	Citations
1	Metabolic, Pharmacokinetic, and Activity Profile of the Liver Stage Antimalarial (RC-12). ACS Omega, 2022, 7, 12401-12411.	3.5	1
2	Preclinical characterization and target validation of the antimalarial pantothenamide MMV693183. Nature Communications, 2022, 13, 2158.	12.8	13
3	New Amidated 3,6-Diphenylated Imidazopyridazines with Potent Antiplasmodium Activity Are Dual Inhibitors of Plasmodium Phosphatidylinositol-4-kinase and cGMP-Dependent Protein Kinase. ACS Infectious Diseases, 2021, 7, 34-46.	3.8	13
4	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
5	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
6	The catalytic subunit of Plasmodium falciparum casein kinase 2 is essential for gametocytogenesis. Communications Biology, 2021, 4, 336.	4.4	6
7	3-Hydroxy-propanamidines, a New Class of Orally Active Antimalarials Targeting Plasmodium falciparum. Journal of Medicinal Chemistry, 2021, 64, 3035-3047.	6.4	5
8	Antimalarial Benzimidazole Derivatives Incorporating Phenolic Mannich Base Side Chains Inhibit Microtubule and Hemozoin Formation: Structureâ€“Activity Relationship and In Vivo Oral Efficacy Studies. Journal of Medicinal Chemistry, 2021, 64, 5198-5215.	6.4	16
9	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
10	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
11	Cytochrome P450-Mediated Metabolism and CYP Inhibition for the Synthetic Peroxide Antimalarial OZ439. ACS Infectious Diseases, 2021, 7, 1885-1893.	3.8	3
12	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
13	Discovery and Structureâ€“Activity Relationships of Quinazolinone-2-carboxamide Derivatives as Novel Orally Efficacious Antimalarials. Journal of Medicinal Chemistry, 2021, 64, 12582-12602.	6.4	11
14	From Magic Bullet to Magic Bomb: Reductive Bioactivation of Antiparasitic Agents. ACS Infectious Diseases, 2021, 7, 2777-2786.	3.8	14
15	Design of proteasome inhibitors with oral efficacy in vivo against Plasmodium falciparum and selectivity over the human proteasome. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	19
16	Our Exciting Journey to ACT-451840. Chimia, 2021, 75, 916-922.	0.6	0
17	The 3-phosphoinositideâ€“dependent protein kinase 1 is an essential upstream activator of protein kinase A in malaria parasites. PLoS Biology, 2021, 19, e3001483.	5.6	9
18	Antimalarial N¹,N³-Dialkyldioxonaphthoimidazoliums: Synthesis, Biological Activity, and Structureâ€“activity Relationships. ACS Medicinal Chemistry Letters, 2020, 11, 49-55.	2.8	12

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19	Discovery of FNDR-20123, a histone deacetylase inhibitor for the treatment of Plasmodium falciparum malaria. Malaria Journal, 2020, 19, 365.	2.3	14
20	Identification of 2,4-Disubstituted Imidazopyridines as Hemozoin Formation Inhibitors with Fast-Killing Kinetics and In Vivo Efficacy in the Plasmodium falciparum NSG Mouse Model. Journal of Medicinal Chemistry, 2020, 63, 13013-13030.	6.4	11
21	Ensemble modeling highlights importance of understanding parasite-host behavior in preclinical antimalarial drug development. Scientific Reports, 2020, 10, 4410.	3.3	10
22	Lead Optimization of a Pyrrole-Based Dihydroorotate Dehydrogenase Inhibitor Series for the Treatment of Malaria. Journal of Medicinal Chemistry, 2020, 63, 4929-4956.	6.4	23
23	Stochastic Protein Alkylation by Antimalarial Peroxides. ACS Infectious Diseases, 2019, 5, 2067-2075.	3.8	23
24	Antimalarial pantothenamide metabolites target acetylâ€“coenzyme A biosynthesis in Plasmodium falciparum. Science Translational Medicine, 2019, 11, .	12.4	59
25	Two successful decades of Swiss collaborations to develop new anti-malarials. Malaria Journal, 2019, 18, 94.	2.3	8
26	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
27	Incorporation of an intramolecular hydrogen bonding motif in the side chain of antimalarial benzimidazoles. MedChemComm, 2019, 10, 450-455.	3.4	11
28	Anti-malarial ozonides OZ439 and OZ609 tested at clinically relevant compound exposure parameters in a novel ring-stage survival assay. Malaria Journal, 2019, 18, 427.	2.3	13
29	Structureâ€“Activity Relationship Studies and Plasmodium Life Cycle Profiling Identifies Pan-Active N-Aryl-3-trifluoromethyl Pyrido[1,2-a]benzimidazoles Which Are Efficacious in an in Vivo Mouse Model of Malaria. Journal of Medicinal Chemistry, 2019, 62, 1022-1035.	6.4	8
30	Antimalarial Pyrido[1,2-a]benzimidazole Derivatives with Mannich Base Side Chains: Synthesis, Pharmacological Evaluation, and Reactive Metabolite Trapping Studies. ACS Infectious Diseases, 2019, 5, 372-384.	3.8	22
31	Evaluation of 4-Amino 2-Anilinoquinazolines against Plasmodium and Other Apicomplexan Parasites In Vitro and in a P. falciparum Humanized NOD- scid IL2RÎ³ ^{null} Mouse Model of Malaria. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	12
32	Multistage Antiplasmodium Activity of Astemizole Analogues and Inhibition of Hemozoin Formation as a Contributor to Their Mode of Action. ACS Infectious Diseases, 2019, 5, 303-315.	3.8	16
33	Identification of Fast-Acting 2,6-Disubstituted Imidazopyridines That Are Efficacious in the in Vivo Humanized Plasmodium falciparum NODscidIL2RÎ³^{null} Mouse Model of Malaria. Journal of Medicinal Chemistry, 2018, 61, 4213-4227.	6.4	19
34	Antimalarial Lead-Optimization Studies on a 2,6-Imidazopyridine Series within a Constrained Chemical Space To Circumvent Atypical Doseâ€“Response Curves against Multidrug Resistant Parasite Strains. Journal of Medicinal Chemistry, 2018, 61, 9371-9385.	6.4	9
35	Investigating Sulfoxide-to-Sulfone Conversion as a Prodrug Strategy for a Phosphatidylinositol 4-Kinase Inhibitor in a Humanized Mouse Model of Malaria. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	5
36	Antiplasmodial imidazopyridazines: structureâ€“activity relationship studies lead to the identification of analogues with improved solubility and hERG profiles. MedChemComm, 2018, 9, 1733-1745.	3.4	10

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37	UCT943, a Next-Generation Plasmodium falciparum PI4K Inhibitor Preclinical Candidate for the Treatment of Malaria. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	40
38	Cell Penetration, Herbicidal Activity, and inâ€vivoâ€Toxicity of Oligoâ€Arginine Derivatives and of Novel Guanidiniumâ€Rich Compounds Derived from the Biopolymer Cyanophycin. Helvetica Chimica Acta, 2018, 101, e1800112.	1.6	17
39	3D-QSAR Modeling and Synthesis of New Fusidic Acid Derivatives as Antiplasmodial Agents. Journal of Chemical Information and Modeling, 2018, 58, 1553-1560.	5.4	11
40	Antimalarial Pyrido[1,2-a]benzimidazoles: Lead Optimization, Parasite Life Cycle Stage Profile, Mechanistic Evaluation, Killing Kinetics, and in Vivo Oral Efficacy in a Mouse Model. Journal of Medicinal Chemistry, 2017, 60, 1432-1448.	6.4	36
41	Arylmethylamino steroids as antiparasitic agents. Nature Communications, 2017, 8, 14478.	12.8	36
42	Antimalarial efficacy of MMV390048, an inhibitor of Plasmodium phosphatidylinositol 4-kinase. Science Translational Medicine, 2017, 9, .	12.4	204
43	Synthesis and biological characterisation of ester and amide derivatives of fusidic acid as antiplasmodial agents. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 658-661.	2.2	19
44	Identification of steroid-like natural products as antiplasmodial agents by 2D and 3D similarity-based virtual screening. MedChemComm, 2017, 8, 1152-1157.	3.4	10
45	Structureâ€“Activity Relationship of the Antimalarial Ozonide Artefenomel (OZ439). Journal of Medicinal Chemistry, 2017, 60, 2654-2668.	6.4	52
46	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
47	In vitro activity of anti-malarial ozonides against an artemisinin-resistant isolate. Malaria Journal, 2017, 16, 45.	2.3	23
48	Characterization of Novel Antimalarial Compound ACT-451840: Preclinical Assessment of Activity and Doseâ€“Efficacy Modeling. PLoS Medicine, 2016, 13, e1002138.	8.4	35
49	CRISPRâ€Cas9â€modified pfmdr1 protects Plasmodium falciparum asexual blood stages and gametocytes against a class of piperazineâ€containing compounds but potentiates artemisininâ€based combination therapy partner drugs. Molecular Microbiology, 2016, 101, 381-393.	2.5	56
50	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
51	Discovery and Characterization of ACTâ€451840: an Antimalarial Drug with a Novel Mechanism of Action. ChemMedChem, 2016, 11, 1995-2014.	3.2	20
52	Open Source Drug Discovery: Highly Potent Antimalarial Compounds Derived from the Tres Cantos Arylpyrroles. ACS Central Science, 2016, 2, 687-701.	11.3	68
53	Identification of a Potential Antimalarial Drug Candidate from a Series of 2-Aminopyrazines by Optimization of Aqueous Solubility and Potency across the Parasite Life Cycle. Journal of Medicinal Chemistry, 2016, 59, 9890-9905.	6.4	51
54	Identification of New Human Malaria Parasite Plasmodium falciparum Dihydroorotate Dehydrogenase Inhibitors by Pharmacophore and Structure-Based Virtual Screening. Journal of Chemical Information and Modeling, 2016, 56, 548-562.	5.4	61

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55	Monoclonal Antibodies That Recognize the Alkylation Signature of Antimalarial Ozonides OZ277 (Arterolane) and OZ439 (Artefenomel). ACS Infectious Diseases, 2016, 2, 54-61.	3.8	27
56	Antimalarial benzoheterocyclic 4-aminoquinolines: Structureâ€“activity relationship, in vivo evaluation, mechanistic and bioactivation studies. Bioorganic and Medicinal Chemistry, 2015, 23, 5419-5432.	3.0	19
57	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
58	Antiprotozoal Selectivity of Diimidazoline N-Phenylbenzamides. ACS Infectious Diseases, 2015, 1, 135-139.	3.8	4
59	A novel multiple-stage antimalarial agent that inhibits protein synthesis. Nature, 2015, 522, 315-320.	27.8	353
60	A long-duration dihydroorotate dehydrogenase inhibitor (DSM265) for prevention and treatment of malaria. Science Translational Medicine, 2015, 7, 296ra111.	12.4	254
61	Identification and Deconvolution of Cross-Resistance Signals from Antimalarial Compounds Using Multidrug-Resistant Plasmodium falciparum Strains. Antimicrobial Agents and Chemotherapy, 2015, 59, 1110-1118.	3.2	34
62	A Novel Pyrazolopyridine with in Vivo Activity in Plasmodium berghei- and Plasmodium falciparum-Infected Mouse Models from Structureâ€“Activity Relationship Studies around the Core of Recently Identified Antimalarial Imidazopyridazines. Journal of Medicinal Chemistry, 2015, 58, 8713-8722.	6.4	32
63	Structureâ€“Activity Relationship Studies of Orally Active Antimalarial 2,4-Diamino-thienopyrimidines. Journal of Medicinal Chemistry, 2015, 58, 7572-7579.	6.4	14
64	Novel synthetic route for antimalarial benzo[a]phenoxazine derivative SSJ-183 and two active metabolites. Bioorganic and Medicinal Chemistry, 2014, 22, 3749-3752.	3.0	14
65	Fast in vitro methods to determine the speed of action and the stage-specificity of anti-malarials in Plasmodium falciparum. Malaria Journal, 2013, 12, 424.	2.3	54
66	UV-triggered Affinity Capture Identifies Interactions between the Plasmodium falciparum Multidrug Resistance Protein 1 (PfMDR1) and Antimalarial Agents in Live Parasitized Cells. Journal of Biological Chemistry, 2013, 288, 22576-22583.	3.4	18
67	Identification of a New Chemical Class of Antimalarials. Journal of Infectious Diseases, 2012, 206, 735-743.	4.0	28
68	Identification and In-Vitro ADME Assessment of a Series of Novel Anti-Malarial Agents Suitable for Hit-to-Lead Chemistry. ACS Medicinal Chemistry Letters, 2012, 3, 570-573.	2.8	19
69	Synthesis of cyanine dyes and investigation of their in vitro antiprotozoal activities. MedChemComm, 2012, 3, 1435.	3.4	14
70	Optimization of Potent Inhibitors of P. falciparum Dihydroorotate Dehydrogenase for the Treatment of Malaria. ACS Medicinal Chemistry Letters, 2011, 2, 708-713.	2.8	41
71	Novel Inhibitors of Plasmodium falciparum Dihydroorotate Dehydrogenase with Anti-malarial Activity in the Mouse Model*. Journal of Biological Chemistry, 2010, 285, 33054-33064.	3.4	121
72	Discovery of Novel Benzo[a]phenoxazine SSJ-183 as a Drug Candidate for Malaria. ACS Medicinal Chemistry Letters, 2010, 1, 360-364.	2.8	47

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73	In vitro and in vivo interaction of synthetic peroxide RBx11160 (OZ277) with piperaquine in Plasmodium models. Experimental Parasitology, 2007, 115, 296-300.	1.2	103