

Philip J Rosenthal

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253
papers

11,895
citations

63
h-index

100
g-index

275
ext. papers

13,599
ext. citations

7.6
avg, IF

6.58
L-index

#	Paper	IF	Citations
253	Antimalarial drug discovery: efficacy models for compound screening. <i>Nature Reviews Drug Discovery</i> , 2004 , 3, 509-20	64.1	521
252	Quinine, an old anti-malarial drug in a modern world: role in the treatment of malaria. <i>Malaria Journal</i> , 2011 , 10, 144	3.6	444
251	Chemical genetics of <i>Plasmodium falciparum</i> . <i>Nature</i> , 2010 , 465, 311-5	50.4	443
250	Characterization of native and recombinant falcipain-2, a principal trophozoite cysteine protease and essential hemoglobinase of <i>Plasmodium falciparum</i> . <i>Journal of Biological Chemistry</i> , 2000 , 275, 29000-10	5.4	272
249	Cysteine proteases of malaria parasites. <i>International Journal for Parasitology</i> , 2004 , 34, 1489-99	4.3	259
248	Artemisinin activity against <i>Plasmodium falciparum</i> requires hemoglobin uptake and digestion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 11405-10	11.5	236
247	Gene disruption confirms a critical role for the cysteine protease falcipain-2 in hemoglobin hydrolysis by <i>Plasmodium falciparum</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 4384-9	11.5	234
246	Absence of putative artemisinin resistance mutations among <i>Plasmodium falciparum</i> in Sub-Saharan Africa: a molecular epidemiologic study. <i>Journal of Infectious Diseases</i> , 2015 , 211, 680-8	7	210
245	Expression and characterization of the <i>Plasmodium falciparum</i> haemoglobinase falcipain-3. <i>Biochemical Journal</i> , 2001 , 360, 481-489	3.8	192
244	Vinyl sulfones as antiparasitic agents and a structural basis for drug design. <i>Journal of Biological Chemistry</i> , 2009 , 284, 25697-703	5.4	190
243	Antimalarial Drug Resistance: Literature Review and Activities and Findings of the ICEMR Network. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015 , 93, 57-68	3.2	177
242	Polymorphisms in <i>Plasmodium falciparum</i> chloroquine resistance transporter and multidrug resistance 1 genes: parasite risk factors that affect treatment outcomes for <i>P. falciparum</i> malaria after artemether-lumefantrine and artesunate-amodiaquine. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014 , 91, 833-843	3.2	167
241	Cysteine proteases of malaria parasites: targets for chemotherapy. <i>Current Pharmaceutical Design</i> , 2002 , 8, 1659-72	3.3	164
240	Antimalarial effects in mice of orally administered peptidyl cysteine protease inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 1999 , 7, 633-8	3.4	151
239	Antimalarial drug discovery: old and new approaches. <i>Journal of Experimental Biology</i> , 2003 , 206, 3735-44		147
238	Combination therapy for uncomplicated <i>falciparum</i> malaria in Ugandan children: a randomized trial. <i>JAMA - Journal of the American Medical Association</i> , 2007 , 297, 2210-9	27.4	139
237	Malaria in Uganda: challenges to control on the long road to elimination: I. Epidemiology and current control efforts. <i>Acta Tropica</i> , 2012 , 121, 184-95	3.2	133

236	Gene disruptions demonstrate independent roles for the four falcipain cysteine proteases of <i>Plasmodium falciparum</i> . <i>Molecular and Biochemical Parasitology</i> , 2006 , 150, 96-106	1.9	131
235	Polymorphisms in the <i>Plasmodium falciparum</i> pfcrt and pfmdr-1 genes and clinical response to chloroquine in Kampala, Uganda. <i>Journal of Infectious Diseases</i> , 2001 , 183, 1417-20	7	131
234	Novel serologic biomarkers provide accurate estimates of recent <i>Plasmodium falciparum</i> exposure for individuals and communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E4438-47	11.5	130
233	Selection of <i>Plasmodium falciparum</i> pfmdr1 alleles following therapy with artemether-lumefantrine in an area of Uganda where malaria is highly endemic. <i>Antimicrobial Agents and Chemotherapy</i> , 2006 , 50, 1893-5	5.9	129
232	Structures of falcipain-2 and falcipain-3 bound to small molecule inhibitors: implications for substrate specificity. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 852-7	8.3	124
231	Artesunate for the treatment of severe falciparum malaria. <i>New England Journal of Medicine</i> , 2008 , 358, 1829-36	59.2	118
230	Malaria transmission, infection, and disease at three sites with varied transmission intensity in Uganda: implications for malaria control. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015 , 92, 903-12	3.2	116
229	Rapid diagnostic tests for malaria at sites of varying transmission intensity in Uganda. <i>Journal of Infectious Diseases</i> , 2008 , 197, 510-8	7	115
228	Artemether-lumefantrine versus dihydroartemisinin-piperaquine for treatment of malaria: a randomized trial. <i>PLOS Clinical Trials</i> , 2007 , 2, e20		115
227	Antimalarial activity of human immunodeficiency virus type 1 protease inhibitors. <i>Antimicrobial Agents and Chemotherapy</i> , 2005 , 49, 2983-5	5.9	114
226	Antimalarial synergy of cysteine and aspartic protease inhibitors. <i>Antimicrobial Agents and Chemotherapy</i> , 1998 , 42, 2254-8	5.9	114
225	A murine model of falciparum-malaria by in vivo selection of competent strains in non-myelodepleted mice engrafted with human erythrocytes. <i>PLoS ONE</i> , 2008 , 3, e2252	3.7	113
224	Antimalarial drug resistance in Africa: the calm before the storm?. <i>Lancet Infectious Diseases</i> , 2019 , 19, e338-e351	25.5	111
223	Prolonged selection of pfmdr1 polymorphisms after treatment of falciparum malaria with artemether-lumefantrine in Uganda. <i>Journal of Infectious Diseases</i> , 2011 , 204, 1120-4	7	110
222	Artemether-lumefantrine versus dihydroartemisinin-piperaquine for treating uncomplicated malaria: a randomized trial to guide policy in Uganda. <i>PLoS ONE</i> , 2008 , 3, e2390	3.7	109
221	<i>Plasmodium falciparum</i> cysteine protease falcipain-1 is not essential in erythrocytic stage malaria parasites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 8721-6	11.5	107
220	The <i>Plasmodium falciparum</i> cysteine protease falcipain-2 captures its substrate, hemoglobin, via a unique motif. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 9138-43	11.5	107
219	Falcipains and other cysteine proteases of malaria parasites. <i>Advances in Experimental Medicine and Biology</i> , 2011 , 712, 30-48	3.6	102

218	Artemether-lumefantrine versus amodiaquine plus sulfadoxine-pyrimethamine for uncomplicated falciparum malaria in Burkina Faso: a randomised non-inferiority trial. <i>Lancet, The</i> , 2007 , 369, 491-8	4.0	102
217	Randomized comparison of amodiaquine plus sulfadoxine-pyrimethamine, artemether-lumefantrine, and dihydroartemisinin-piperaquine for the treatment of uncomplicated Plasmodium falciparum malaria in Burkina Faso. <i>Clinical Infectious Diseases</i> , 2007 , 45, 1453-61	11.6	100
216	Isolation and characterization of a cysteine proteinase gene of Plasmodium falciparum. <i>Molecular and Biochemical Parasitology</i> , 1992 , 51, 143-52	1.9	94
215	The interplay between drug resistance and fitness in malaria parasites. <i>Molecular Microbiology</i> , 2013 , 89, 1025-38	4.1	93
214	Falcipain inhibitors: optimization studies of the 2-pyrimidinecarbonitrile lead series. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 6129-52	8.3	93
213	Plasmodium food vacuole plasmepsins are activated by falcipains. <i>Journal of Biological Chemistry</i> , 2008 , 283, 12870-6	5.4	92
212	Polymorphisms in K13 and falcipain-2 associated with artemisinin resistance are not prevalent in Plasmodium falciparum isolated from Ugandan children. <i>PLoS ONE</i> , 2014 , 9, e105690	3.7	91
211	Artemisinin combination therapies for treatment of uncomplicated malaria in Uganda. <i>PLOS Clinical Trials</i> , 2006 , 1, e7		89
210	Structural basis for unique mechanisms of folding and hemoglobin binding by a malarial protease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 11503-8	11.5	87
209	Hydrolysis of erythrocyte proteins by proteases of malaria parasites. <i>Current Opinion in Hematology</i> , 2002 , 9, 140-5	3.3	87
208	Measures of Malaria Burden after Long-Lasting Insecticidal Net Distribution and Indoor Residual Spraying at Three Sites in Uganda: A Prospective Observational Study. <i>PLoS Medicine</i> , 2016 , 13, e1002167	11.6	86
207	Selection of known Plasmodium falciparum resistance-mediating polymorphisms by artemether-lumefantrine and amodiaquine-sulfadoxine-pyrimethamine but not dihydroartemisinin-piperaquine in Burkina Faso. <i>Antimicrobial Agents and Chemotherapy</i> , 2010 , 54, 1949-54	5.9	80
206	Comparative impacts over 5 years of artemisinin-based combination therapies on Plasmodium falciparum polymorphisms that modulate drug sensitivity in Ugandan children. <i>Journal of Infectious Diseases</i> , 2014 , 210, 344-53	7	78
205	Artemisinin versus nonartemisinin combination therapy for uncomplicated malaria: randomized clinical trials from four sites in Uganda. <i>PLoS Medicine</i> , 2005 , 2, e190	11.6	78
204	Antiretroviral agents and prevention of malaria in HIV-infected Ugandan children. <i>New England Journal of Medicine</i> , 2012 , 367, 2110-8	59.2	75
203	Recombinant falcipain-2 cleaves erythrocyte membrane ankyrin and protein 4.1. <i>Molecular and Biochemical Parasitology</i> , 2001 , 116, 95-9	1.9	75
202	Synthesis, Structure and in Vitro Biological Screening of Palladium(II) Complexes of Functionalised Salicylaldimine Thiosemicarbazones as Antimalarial and Anticancer Agents. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 3520-3528	2.3	74
201	In vitro sensitivities of Plasmodium falciparum to different antimalarial drugs in Uganda. <i>Antimicrobial Agents and Chemotherapy</i> , 2010 , 54, 1200-6	5.9	71

200	A potent antimalarial benzoxaborole targets a Plasmodium falciparum cleavage and polyadenylation specificity factor homologue. <i>Nature Communications</i> , 2017 , 8, 14574	17.4	70
199	VALIDATION OF MICROSATELLITE MARKERS FOR USE IN GENOTYPING POLYCLONAL PLASMODIUM FALCIPARUM INFECTIONS. <i>American Journal of Tropical Medicine and Hygiene</i> , 2006 , 75, 836-842	3.2	70
198	Falstatin, a cysteine protease inhibitor of Plasmodium falciparum, facilitates erythrocyte invasion. <i>PLoS Pathogens</i> , 2006 , 2, e117	7.6	68
197	Impact of intermittent preventive treatment with dihydroartemisinin-piperazine on malaria in Ugandan schoolchildren: a randomized, placebo-controlled trial. <i>Clinical Infectious Diseases</i> , 2014 , 58, 1404-12	11.6	67
196	Geographic differences in antimalarial drug efficacy in Uganda are explained by differences in endemicity and not by known molecular markers of drug resistance. <i>Journal of Infectious Diseases</i> , 2006 , 193, 978-86	7	67
195	Biosynthesis, localization, and processing of falcipain cysteine proteases of Plasmodium falciparum. <i>Molecular and Biochemical Parasitology</i> , 2005 , 139, 205-12	1.9	67
194	Effectiveness of quinine versus artemether-lumefantrine for treating uncomplicated falciparum malaria in Ugandan children: randomised trial. <i>BMJ, The</i> , 2009 , 339, b2763	5.9	66
193	Protective efficacy and safety of three antimalarial regimens for the prevention of malaria in young Ugandan children: a randomized controlled trial. <i>PLoS Medicine</i> , 2014 , 11, e1001689	11.6	64
192	Resistance-mediating Plasmodium falciparum pfcrt and pfmdr1 alleles after treatment with artesunate-amodiaquine in Uganda. <i>Antimicrobial Agents and Chemotherapy</i> , 2007 , 51, 3023-5	5.9	63
191	Validation of microsatellite markers for use in genotyping polyclonal Plasmodium falciparum infections. <i>American Journal of Tropical Medicine and Hygiene</i> , 2006 , 75, 836-42	3.2	63
190	Discordant patterns of genetic variation at two chloroquine resistance loci in worldwide populations of the malaria parasite Plasmodium falciparum. <i>Antimicrobial Agents and Chemotherapy</i> , 2008 , 52, 2212-22	5.9	62
189	Synthesis and structure-activity relationships of novel benzoxaboroles as a new class of antimalarial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 644-51	2.9	60
188	Plasmodium falciparum: biochemical characterization of the cysteine protease falcipain-2R. <i>Experimental Parasitology</i> , 2006 , 112, 187-92	2.1	60
187	Cysteine proteases in protozoan parasites. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006512	4.8	59
186	Artesunate/Amodiaquine Versus Artemether/Lumefantrine for the Treatment of Uncomplicated Malaria in Uganda: A Randomized Trial. <i>Journal of Infectious Diseases</i> , 2016 , 213, 1134-42	7	57
185	Identification and biochemical characterization of vivapains, cysteine proteases of the malaria parasite Plasmodium vivax. <i>Biochemical Journal</i> , 2004 , 378, 529-38	3.8	57
184	Temporal changes in prevalence of molecular markers mediating antimalarial drug resistance in a high malaria transmission setting in Uganda. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014 , 91, 54-61	3.2	53
183	Folding of the Plasmodium falciparum cysteine protease falcipain-2 is mediated by a chaperone-like peptide and not the prodomain. <i>Journal of Biological Chemistry</i> , 2002 , 277, 14910-5	5.4	49

182	Hemoglobin cleavage site-specificity of the Plasmodium falciparum cysteine proteases falcipain-2 and falcipain-3. <i>PLoS ONE</i> , 2009 , 4, e5156	3.7	49
181	4-Aminoquinoline-ferrocenyl-chalcone conjugates: Synthesis and anti-plasmodial evaluation. <i>European Journal of Medicinal Chemistry</i> , 2017 , 125, 269-277	6.8	48
180	Lack of Artemisinin Resistance in Plasmodium falciparum in Uganda Based on Parasitological and Molecular Assays. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 5061-4	5.9	48
179	N-cinnamoylated chloroquine analogues as dual-stage antimalarial leads. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 556-67	8.3	46
178	Probing the aurone scaffold against Plasmodium falciparum: design, synthesis and antimalarial activity. <i>European Journal of Medicinal Chemistry</i> , 2014 , 80, 523-34	6.8	45
177	1H-1,2,3-Triazole-tethered isatin-7-chloroquinoline and 3-hydroxy-indole-7-chloroquinoline conjugates: synthesis and antimalarial evaluation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 756-9	2.9	45
176	Independent intramolecular mediators of folding, activity, and inhibition for the Plasmodium falciparum cysteine protease falcipain-2. <i>Journal of Biological Chemistry</i> , 2004 , 279, 3484-91	5.4	44
175	Estimating malaria parasite prevalence from community surveys in Uganda: a comparison of microscopy, rapid diagnostic tests and polymerase chain reaction. <i>Malaria Journal</i> , 2015 , 14, 528	3.6	43
174	Impact of antimalarial treatment and chemoprevention on the drug sensitivity of malaria parasites isolated from ugandan children. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 3018-30	5.9	42
173	Regulatory elements within the prodomain of Falcipain-2, a cysteine protease of the malaria parasite Plasmodium falciparum. <i>PLoS ONE</i> , 2009 , 4, e5694	3.7	42
172	Cryptosporidium and Toxoplasma Parasites Are Inhibited by a Benzoxaborole Targeting Leucyl-tRNA Synthetase. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 5817-27	5.9	41
171	Benzoxaborole Antimalarial Agents. Part 5. Lead Optimization of Novel Amide Pyrazinyloxy Benzoxaboroles and Identification of a Preclinical Candidate. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 5889-5908	8.3	40
170	Changing Antimalarial Drug Sensitivities in Uganda. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	39
169	Antimalarial Benzoxaboroles Target Plasmodium falciparum Leucyl-tRNA Synthetase. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 4886-95	5.9	39
168	Plasmodium falciparum isolates from Angola show the StctVMNT haplotype in the pfcr1 gene. <i>Malaria Journal</i> , 2010 , 9, 174	3.6	39
167	4-Aminoquinoline-chalcone/-N-acetylpyrazoline conjugates: Synthesis and antiplasmodial evaluation. <i>European Journal of Medicinal Chemistry</i> , 2017 , 138, 993-1001	6.8	38
166	Targeting CPSF3 as a new approach to control toxoplasmosis. <i>EMBO Molecular Medicine</i> , 2017 , 9, 385-394	4.2	37
165	Critical role of amino acid 23 in mediating activity and specificity of vinckepain-2, a papain-family cysteine protease of rodent malaria parasites. <i>Biochemical Journal</i> , 2002 , 368, 273-81	3.8	37

164	Antimalarial proteasome inhibitor reveals collateral sensitivity from intersubunit interactions and fitness cost of resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E6863-E6870	11.5	37
163	Novel endoperoxide-based transmission-blocking antimalarials with liver- and blood-schizontocidal activities. <i>ACS Medicinal Chemistry Letters</i> , 2014 , 5, 108-12	4.3	36
162	Randomized Noninferiority Trial of Dihydroartemisinin-Piperaquine Compared with Sulfadoxine-Pyrimethamine plus Amodiaquine for Seasonal Malaria Chemoprevention in Burkina Faso. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 4387-96	5.9	35
161	Characterizing microscopic and submicroscopic malaria parasitaemia at three sites with varied transmission intensity in Uganda. <i>Malaria Journal</i> , 2016 , 15, 470	3.6	35
160	Changing Prevalence of Potential Mediators of Aminoquinoline, Antifolate, and Artemisinin Resistance Across Uganda. <i>Journal of Infectious Diseases</i> , 2021 , 223, 985-994	7	35
159	Synthesis and in vitro antiplasmodial evaluation of 7-chloroquinoline-chalcone and 7-chloroquinoline-ferrocenylchalcone conjugates. <i>European Journal of Medicinal Chemistry</i> , 2015 , 95, 230-9	6.8	34
158	Metagenomic next-generation sequencing of samples from pediatric febrile illness in Tororo, Uganda. <i>PLoS ONE</i> , 2019 , 14, e0218318	3.7	33
157	PRIMACINS, N-cinnamoyl-primaquine conjugates, with improved liver-stage antimalarial activity. <i>MedChemComm</i> , 2012 , 3, 1170	5	33
156	Optimization of a ligase detection reaction-fluorescent microsphere assay for characterization of resistance-mediating polymorphisms in African samples of <i>Plasmodium falciparum</i> . <i>Journal of Clinical Microbiology</i> , 2013 , 51, 2564-70	9.7	33
155	Falcpain cysteine proteases require bipartite motifs for trafficking to the <i>Plasmodium falciparum</i> food vacuole. <i>Journal of Biological Chemistry</i> , 2007 , 282, 24961-9	5.4	33
154	Changing Antimalarial Drug Resistance Patterns Identified by Surveillance at Three Sites in Uganda. <i>Journal of Infectious Diseases</i> , 2017 , 215, 631-635	7	33
153	Longitudinal outcomes in a cohort of Ugandan children randomized to artemether-lumefantrine versus dihydroartemisinin-piperaquine for the treatment of malaria. <i>Clinical Infectious Diseases</i> , 2014 , 59, 509-16	11.6	32
152	Imidazoquinones as antimalarial and antipneumocystis agents. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 7800-7	8.3	32
151	Development of Novel Peptide-Based Michael Acceptors Targeting Rhodesain and Falcpain-2 for the Treatment of Neglected Tropical Diseases (NTDs). <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 6911-6923	8.3	31
150	PRINCIPAL ROLE OF DIHYDROPTEROATE SYNTHASE MUTATIONS IN MEDIATING RESISTANCE TO SULFADOXINE-PYRIMETHAMINE IN SINGLE-DRUG AND COMBINATION THERAPY OF UNCOMPLICATED MALARIA IN UGANDA. <i>American Journal of Tropical Medicine and Hygiene</i> , 2004 , 71, 758-763	3.2	31
149	The Effect of Storage and Extraction Methods on Amplification of <i>Plasmodium falciparum</i> DNA from Dried Blood Spots. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015 , 92, 922-5	3.2	30
148	Urea/oxalamide tethered β -lactam-7-chloroquinoline conjugates: synthesis and in vitro antimalarial evaluation. <i>European Journal of Medicinal Chemistry</i> , 2014 , 71, 128-34	6.8	30
147	Selection of cysteine protease inhibitor-resistant malaria parasites is accompanied by amplification of falcpain genes and alteration in inhibitor transport. <i>Journal of Biological Chemistry</i> , 2004 , 279, 35236-41	5.4	30

146	Synthesis of gallinamide A analogues as potent falcipain inhibitors and antimalarials. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 10557-63	8.3	29
145	Principal role of dihydropteroate synthase mutations in mediating resistance to sulfadoxine-pyrimethamine in single-drug and combination therapy of uncomplicated malaria in Uganda. <i>American Journal of Tropical Medicine and Hygiene</i> , 2004 , 71, 758-63	3.2	29
144	Synthesis and structure-activity-relationship studies of thiazolidinediones as antiplasmodial inhibitors of the Plasmodium falciparum cysteine protease falcipain-2. <i>European Journal of Medicinal Chemistry</i> , 2015 , 90, 507-18	6.8	28
143	Squaric acid: a valuable scaffold for developing antimalarials?. <i>MedChemComm</i> , 2012 , 3, 489	5	28
142	Selection of parasites with diminished drug susceptibility by amodiaquine-containing antimalarial regimens in Uganda. <i>Journal of Infectious Diseases</i> , 2009 , 200, 1650-7	7	28
141	Novel potent metallocenes against liver stage malaria. <i>Antimicrobial Agents and Chemotherapy</i> , 2012 , 56, 1564-70	5.9	28
140	Benzoxaborole antimalarial agents. Part 4. Discovery of potent 6-(2-(alkoxycarbonyl)pyrazinyl-5-oxy)-1,3-dihydro-1-hydroxy-2,1-benzoxaboroles. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 5344-54	8.3	27
139	Design, Synthesis, and Antiplasmodial Activity of Hybrid Compounds Based on (2R,3S)-N-Benzoyl-3-phenylisoserine. <i>ACS Medicinal Chemistry Letters</i> , 2013 , 4, 637-41	4.3	27
138	Selection of drug resistance-mediating Plasmodium falciparum genetic polymorphisms by seasonal malaria chemoprevention in Burkina Faso. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 3660-5	5.9	26
137	Design, synthesis and evaluation of 3-methylene-substituted indolinones as antimalarials. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 927-33	6.8	26
136	The impact of antimalarial resistance on the genetic structure of Plasmodium falciparum in the DRC. <i>Nature Communications</i> , 2020 , 11, 2107	17.4	25
135	1,4-naphthoquinone cations as antiplasmodial agents: hydroxy-, acyloxy-, and alkoxy-substituted analogues. <i>ACS Medicinal Chemistry Letters</i> , 2012 , 3, 1029-33	4.3	25
134	Comparative Efficacy of Artemether-Lumefantrine and Dihydroartemisinin-Piperaquine for the Treatment of Uncomplicated Malaria in Ugandan Children. <i>Journal of Infectious Diseases</i> , 2019 , 219, 1112-1120 ²⁵	7	25
133	Artemether-Lumefantrine and Dihydroartemisinin-Piperaquine Exert Inverse Selective Pressure on Drug Sensitivity-Associated Haplotypes in Uganda. <i>Open Forum Infectious Diseases</i> , 2017 , 4, ofw229	1	24
132	Biannual mass azithromycin distributions and malaria parasitemia in pre-school children in Niger: A cluster-randomized, placebo-controlled trial. <i>PLoS Medicine</i> , 2019 , 16, e1002835	11.6	24
131	Identification of a potent benzoxaborole drug candidate for treating cryptosporidiosis. <i>Nature Communications</i> , 2019 , 10, 2816	17.4	24
130	PRIMACENES: novel non-cytotoxic primaquine-ferrocene conjugates with anti-Pneumocystis carinii activity. <i>MedChemComm</i> , 2010 , 1, 199	5	24
129	Limited ability of Plasmodium falciparum pfcr1, pfmdr1, and pfne1 polymorphisms to predict quinine in vitro sensitivity or clinical effectiveness in Uganda. <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 615-22	5.9	24

128	Characterization of a Plasmodium vivax cysteine proteinase gene identifies uniquely conserved amino acids that may mediate the substrate specificity of malarial hemoglobins. <i>Journal of Molecular Biology</i> , 1994 , 241, 312-6	6.5	24
127	Species Infecting Children Presenting with Malaria in Uganda. <i>American Journal of Tropical Medicine and Hygiene</i> , 2017 , 97, 753-757	3.2	24
126	Changing Molecular Markers of Antimalarial Drug Sensitivity across Uganda. <i>Antimicrobial Agents and Chemotherapy</i> , 2019 , 63,	5.9	24
125	Demographic, Socioeconomic, and Geographic Factors Leading to Severe Malaria and Delayed Care Seeking in Ugandan Children: A Case-Control Study. <i>American Journal of Tropical Medicine and Hygiene</i> , 2017 , 97, 1513-1523	3.2	23
124	Synthesis, Antiplasmodial Activity, and Hematin Inhibition of Hydroxypyridone-Chloroquine Hybrids. <i>ACS Medicinal Chemistry Letters</i> , 2013 , 4, 642-6	4.3	22
123	Biochemical properties of a novel cysteine protease of Plasmodium vivax, vivapain-4. <i>PLoS Neglected Tropical Diseases</i> , 2010 , 4, e849	4.8	22
122	Intermittent Preventive Treatment with Dihydroartemisinin-Piperaquine in Ugandan Schoolchildren Selects for Plasmodium falciparum Transporter Polymorphisms That Modify Drug Sensitivity. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 5649-54	5.9	21
121	Discovery of highly selective 7-chloroquinoline-thiohydantoin with potent antimalarial activity. <i>European Journal of Medicinal Chemistry</i> , 2014 , 84, 425-32	6.8	21
120	Complexity of Plasmodium falciparum clinical samples from Uganda during short-term culture. <i>Journal of Infectious Diseases</i> , 2008 , 198, 1554-7	7	21
119	Perspectives on Battling COVID-19 in Countries of Latin America and the Caribbean. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020 , 103, 593-596	3.2	21
118	K13 mutations in Africa and Asia impact artemisinin resistance and parasite fitness. <i>ELife</i> , 2021 , 10,	8.9	21
117	Endoperoxide-8-aminoquinoline hybrids as dual-stage antimalarial agents with enhanced metabolic stability. <i>European Journal of Medicinal Chemistry</i> , 2018 , 149, 69-78	6.8	20
116	Validation of the ligase detection reaction fluorescent microsphere assay for the detection of Plasmodium falciparum resistance mediating polymorphisms in Uganda. <i>Malaria Journal</i> , 2014 , 13, 95	3.6	20
115	Stage-specific antimalarial activity of cysteine protease inhibitors. <i>Biological Chemistry</i> , 2002 , 383, 843-7	4.5	20
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