

Michael K Riscoe

List of Publications by Year in descending order

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196777

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times ranked

5206
citing authors

#	ARTICLE	IF	CITATIONS
1	Atypical Molecular Basis for Drug Resistance to Mitochondrial Function Inhibitors in <i>Plasmodium falciparum</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	1.4	7
2	Robenidine Analogues Are Potent Antimalarials in Drug-Resistant <i>Plasmodium falciparum</i> . <i>ACS Infectious Diseases</i> , 2021, 7, 1956-1968.	1.8	7
3	New Scalable Synthetic Routes to ELQ-300 , ELQ-316 , and Other Antiparasitic Quinolones. <i>Organic Process Research and Development</i> , 2021, 25, 1841-1852.	1.3	10
4	Endochin-like quinolone-300 and ELQ-316 inhibit <i>Babesia bovis</i> , <i>B. bigemina</i> , <i>B. caballi</i> and <i>Theileria equi</i> . <i>Parasites and Vectors</i> , 2020, 13, 606.	1.0	9
5	Lead Optimization of Second-Generation Acridones as Broad-Spectrum Antimalarials. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 6179-6202.	2.9	7
6	Improving solubility and oral bioavailability of a novel antimalarial prodrug: comparing spray-dried dispersions with self-emulsifying drug delivery systems. <i>Pharmaceutical Development and Technology</i> , 2020, 25, 625-639.	1.1	15
7	Genetic ablation of the mitoribosome in the malaria parasite <i>Plasmodium falciparum</i> sensitizes it to antimalarials that target mitochondrial functions. <i>Journal of Biological Chemistry</i> , 2020, 295, 7235-7248.	1.6	23
8	Discovery and Structural Optimization of Acridones as Broad-Spectrum Antimalarials. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 3475-3502.	2.9	14
9	Mitochondrial type II NADH dehydrogenase of <i>Plasmodium falciparum</i> (PfNDH2) is dispensable in the asexual blood stages. <i>PLoS ONE</i> , 2019, 14, e0214023.	1.1	29
10	Antiplasmodial evaluation of <i>Anacardium occidentale</i> and alkyl-phenols. <i>Revista Brasileira De Farmacognosia</i> , 2019, 29, 36-39.	0.6	9
11	Endochin-Like Quinolones Exhibit Promising Efficacy Against <i>Neospora Caninum</i> in vitro and in Experimentally Infected Pregnant Mice. <i>Frontiers in Veterinary Science</i> , 2018, 5, 285.	0.9	17
12	Targeted Structure-Activity Analysis of Endochin-like Quinolones Reveals Potent Qi and Qo Site Inhibitors of <i>Toxoplasma gondii</i> and <i>Plasmodium falciparum</i> Cytochrome bc₁ and Identifies ELQ-400 as a Remarkably Effective Compound against Acute Experimental Toxoplasmosis. <i>ACS Infectious Diseases</i> , 2018, 4, 1574-1584.	1.8	32
13	Alkoxy carbonate Ester Prodrugs of Preclinical Drug Candidate ELQ-300 for Prophylaxis and Treatment of Malaria. <i>ACS Infectious Diseases</i> , 2017, 3, 728-735.	1.8	38
14	Arginase Is Essential for Survival of <i>Leishmania donovani</i> Promastigotes but Not Intracellular Amastigotes. <i>Infection and Immunity</i> , 2017, 85, .	1.0	61
15	Diphenylether-Modified 1,2-Diamines with Improved Drug Properties for Development against <i>Mycobacterium tuberculosis</i> . <i>ACS Infectious Diseases</i> , 2016, 2, 500-508.	1.8	36
16	Radical cure of experimental babesiosis in immunodeficient mice using a combination of an endochin-like quinolone and atovaquone. <i>Journal of Experimental Medicine</i> , 2016, 213, 1307-1318.	4.2	74
17	Atovaquone and ELQ-300 Combination Therapy as a Novel Dual-Site Cytochrome bc₁ Inhibition Strategy for Malaria. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 4853-4859.	1.4	50
18	Targeting the Cytochrome bc₁ Complex of <i>Leishmania</i> Parasites for Discovery of Novel Drugs. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 4972-4982.	1.4	28

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19	ELQ-300 Prodrugs for Enhanced Delivery and Single-Dose Cure of Malaria. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5555-5560.	1.4	62
20	Inhibition of Cytochrome bc ₁ as a Strategy for Single-Dose, Multi-Stage Antimalarial Therapy. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 92, 1195-1201.	0.6	34
21	Subtle Changes in Endochin-Like Quinolone Structure Alter the Site of Inhibition within the Cytochrome bc ₁ Complex of <i>Plasmodium falciparum</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 1977-1982.	1.4	61
22	Mefloquine and psychotomimetics share neurotransmitter receptor and transporter interactions in vitro. <i>Psychopharmacology</i> , 2014, 231, 2771-2783.	1.5	26
23	Discovery, Synthesis, and Optimization of Antimalarial 4(1 <i>H</i>)-Quinolone-3-Diarylethers. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 3818-3834.	2.9	100
24	Quinolone-3-Diarylethers: A New Class of Antimalarial Drug. <i>Science Translational Medicine</i> , 2013, 5, 177ra37.	5.8	187
25	Substrate Inhibition of Uracil Phosphoribosyltransferase by Uracil Can Account for the Uracil Growth Sensitivity of <i>Leishmania donovani</i> Pyrimidine Auxotrophs. <i>Journal of Biological Chemistry</i> , 2013, 288, 29954-29964.	1.6	9
26	Sontochin as a Guide to the Development of Drugs against Chloroquine-Resistant Malaria. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 3475-3480.	1.4	21
27	Endochin-like quinolones are highly efficacious against acute and latent experimental toxoplasmosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15936-15941.	3.3	173
28	Optimization of endochin-like quinolones for antimalarial activity. <i>Experimental Parasitology</i> , 2011, 127, 545-551.	0.5	76
29	Chemical genetics of <i>Plasmodium falciparum</i> . <i>Nature</i> , 2010, 465, 311-315.	13.7	515
30	Silicate Nephrolithiasis After Ingestion of Supplements Containing Silica Dioxide. <i>American Journal of Kidney Diseases</i> , 2009, 54, 127-130.	2.1	13
31	Discovery of dual function acridones as a new antimalarial chemotype. <i>Nature</i> , 2009, 459, 270-273.	13.7	161
32	Synthesis and heme-binding correlation with antimalarial activity of 3,6-bis-(1 <i>N,N</i> -diethylaminoamyoxy)-4,5-difluoroxanthone. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 1174-1183.	1.4	21
33	Antimalarial quinolones: Synthesis, potency, and mechanistic studies. <i>Experimental Parasitology</i> , 2008, 118, 487-497.	0.5	125
34	A drug-selected <i>Plasmodium falciparum</i> lacking the need for conventional electron transport. <i>Molecular and Biochemical Parasitology</i> , 2008, 159, 64-68.	0.5	32
35	White Thrombus Formation in Blood Tubing Lines in a Chronic Hemodialysis Unit. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2008, 3, 382-386.	2.2	7
36	Structures of 5-Methylthioribose Kinase Reveal Substrate Specificity and Unusual Mode of Nucleotide Binding. <i>Journal of Biological Chemistry</i> , 2007, 282, 22195-22206.	1.6	15

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37	Design, Synthesis, and Evaluation of 10-N-Substituted Acridones as Novel Chemosensitizers in <i>Plasmodium falciparum</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 4133-4140.	1.4	47
38	Selective killing of the human malaria parasite <i>Plasmodium falciparum</i> by a benzylthiazolium dye. <i>Experimental Parasitology</i> , 2007, 116, 103-110.	0.5	10
39	A Chloroquine-like Molecule Designed to Reverse Resistance in <i>Plasmodium falciparum</i> . <i>Journal of Medicinal Chemistry</i> , 2006, 49, 5623-5625.	2.9	129
40	Evaluation and lead optimization of anti-malarial acridones. <i>Experimental Parasitology</i> , 2006, 114, 47-56.	0.5	87
41	Structural Rationale for the Affinity of Pico- and Femtomolar Transition State Analogues of <i>Escherichia coli</i> 5-Methylthioadenosine/S-Adenosylhomocysteine Nucleosidase. <i>Journal of Biological Chemistry</i> , 2005, 280, 18274-18282.	1.6	71
42	Structural Snapshots of MTA/AdoHcy Nucleosidase Along the Reaction Coordinate Provide Insights into Enzyme and Nucleoside Flexibility During Catalysis. <i>Journal of Molecular Biology</i> , 2005, 352, 559-574.	2.0	33
43	Crystallization and preliminary X-ray analysis of 5-methylthioribose kinase from <i>Bacillus subtilis</i> and <i>Arabidopsis thaliana</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 116-119.	2.5	10
44	α-lipoic acid inhibits human T-cell migration: Implications for multiple sclerosis. <i>Journal of Neuroscience Research</i> , 2004, 78, 362-370.	1.3	55
45	Simple and Inexpensive Fluorescence-Based Technique for High-Throughput Antimalarial Drug Screening. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 1803-1806.	1.4	977
46	Cyquant cell proliferation assay as a fluorescence-based method for in vitro screening of antimalarial activity. <i>Southeast Asian Journal of Tropical Medicine and Public Health</i> , 2004, 35, 840-4.	1.0	3
47	Antileishmanial drug development: exploitation of parasite heme dependency. <i>Molecular and Biochemical Parasitology</i> , 2003, 126, 43-49.	0.5	22
48	Structure of <i>Escherichia coli</i> 5-Methylthioadenosine/ S-Adenosylhomocysteine Nucleosidase Inhibitor Complexes Provide Insight into the Conformational Changes Required for Substrate Binding and Catalysis. <i>Journal of Biological Chemistry</i> , 2003, 278, 8761-8770.	1.6	51
49	Optimization of Xanthenes for Antimalarial Activity: the 3,6-Bis-(Diethylamino)alkoxyxanthone Series. <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 144-150.	1.4	55
50	The kinetics of uptake and accumulation of 3,6-bis-(diethylamino)-amyloxyxanthone by the human malaria parasite <i>Plasmodium falciparum</i> . <i>Molecular and Biochemical Parasitology</i> , 2002, 123, 47-54.	0.5	15
51	A spectroscopic investigation of the binding interactions between 4,5-dihydroxyxanthone and heme. <i>Journal of Inorganic Biochemistry</i> , 2001, 86, 617-625.	1.5	42
52	Expression, purification, crystallization and preliminary X-ray analysis of <i>Escherichia coli</i> 5-methylthioadenosine/S-adenosylhomocysteine nucleosidase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 150-152.	2.5	24
53	Structure of <i>E. coli</i> 5-methylthioadenosine/S-adenosylhomocysteine Nucleosidase Reveals Similarity to the Purine Nucleoside Phosphorylases. <i>Structure</i> , 2001, 9, 941-953.	1.6	77
54	Xanthenes as antimalarial agents; studies of a possible mode of action. <i>FEBS Letters</i> , 1997, 409, 67-73.	1.3	95

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55	Characterization of Recombinant <i>Escherichia coli</i> 5-Methylthioadenosine/S-Adenosylhomocysteine Nucleosidase: Analysis of Enzymatic Activity and Substrate Specificity. <i>Biochemical and Biophysical Research Communications</i> , 1996, 228, 724-732.	1.0	74
56	Affinity purification of 5-methylthioribose kinase and 5-methylthioadenosine/S-adenosylhomocysteine nucleosidase from <i>Klebsiella pneumoniae</i> . <i>Biochemical Journal</i> , 1996, 317, 285-290.	1.7	42
57	Hydroxy-antraquinones as antimalarial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1995, 5, 1927-1932.	1.0	27
58	Synthesis and testing of substituted phenylthioribose analogs against <i>Klebsiella pneumoniae</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 1993, 3, 2079-2082.	1.0	5
59	Mechanism of action of 5'-methylthioadenosine in S49 cells. <i>Biochemical Pharmacology</i> , 1984, 33, 3639-3643.	2.0	30