Michael K Riscoe

List of Publications by Year
in descending order

59 papers	4,087 citations	172443 29 h-index	133244 59 g-index
61 all docs	61 docs citations	61 times ranked	4726 citing authors

#	Article	IF	Citations
1	Atypical Molecular Basis for Drug Resistance to Mitochondrial Function Inhibitors in Plasmodium falciparum. Antimicrobial Agents and Chemotherapy, 2021, 65, .	3.2	7
2	Robenidine Analogues Are Potent Antimalarials in Drug-Resistant Plasmodium falciparum. ACS Infectious Diseases, 2021, 7, 1956-1968.	3.8	7
3	New Scalable Synthetic Routes to ‹b›ELQ-300‹/b›, ‹b›ELQ-316‹/b›, and Other Antiparasitic Quinolones. Organic Process Research and Development, 2021, 25, 1841-1852.	2.7	10
4	Endochin-like quinolone-300 and ELQ-316 inhibit Babesia bovis, B. bigemina, B. caballi and Theileria equi. Parasites and Vectors, 2020, 13, 606.	2.5	9
5	Lead Optimization of Second-Generation Acridones as Broad-Spectrum Antimalarials. Journal of Medicinal Chemistry, 2020, 63, 6179-6202.	6.4	7
6	Improving solubility and oral bioavailability of a novel antimalarial prodrug: comparing spray-dried dispersions with self-emulsifying drug delivery systems. Pharmaceutical Development and Technology, 2020, 25, 625-639.	2.4	15
7	Genetic ablation of the mitoribosome in the malaria parasite Plasmodium falciparum sensitizes it to antimalarials that target mitochondrial functions. Journal of Biological Chemistry, 2020, 295, 7235-7248.	3.4	23
8	Discovery and Structural Optimization of Acridones as Broad-Spectrum Antimalarials. Journal of Medicinal Chemistry, 2019, 62, 3475-3502.	6.4	14
9	Mitochondrial type II NADH dehydrogenase of Plasmodium falciparum (PfNDH2) is dispensable in the asexual blood stages. PLoS ONE, 2019, 14, e0214023.	2.5	29
10	Antiplasmodial evaluation of Anacardium occidentale and alkyl-phenols. Revista Brasileira De Farmacognosia, 2019, 29, 36-39.	1.4	9
11	Endochin-Like Quinolones Exhibit Promising Efficacy Against Neospora Caninum in vitro and in Experimentally Infected Pregnant Mice. Frontiers in Veterinary Science, 2018, 5, 285.	2.2	17
12	Targeted Structureâ€“Activity Analysis of Endochin-like Quinolones Reveals Potent Qi and Qo Site Inhibitors of ‹i›Toxoplasma gondii‹/i› and ‹i›Plasmodium falciparum‹/i› Cytochrome ‹i›bc‹/i›‹sub›1‹/sub› and Identifies ELQ-400 as a Remarkably Effective Compound against Acute Experimental Toxoplasmosis. ACS Infectious Diseases, 2018, 4, 1574-1584.	3.8	32
13	Alkoxycarbonate Ester Prodrugs of Preclinical Drug Candidate ELQ-300 for Prophylaxis and Treatment of Malaria. ACS Infectious Diseases, 2017, 3, 728-735.	3.8	38
14	Arginase Is Essential for Survival of Leishmania donovani Promastigotes but Not Intracellular Amastigotes. Infection and Immunity, 2017, 85, .	2.2	61
15	Diphenylether-Modified 1,2-Diamines with Improved Drug Properties for Development against ‹i›Mycobacterium tuberculosis‹/i›. ACS Infectious Diseases, 2016, 2, 500-508.	3.8	36
16	Radical cure of experimental babesiosis in immunodeficient mice using a combination of an endochin-like quinolone and atovaquone. Journal of Experimental Medicine, 2016, 213, 1307-1318.	8.5	74
17	Atovaquone and ELQ-300 Combination Therapy as a Novel Dual-Site Cytochrome ‹i›bc‹/i› ‹sub›1‹/sub› Inhibition Strategy for Malaria. Antimicrobial Agents and Chemotherapy, 2016, 60, 4853-4859.	3.2	50
18	Targeting the Cytochrome ‹i›bc‹/i› ‹sub›1‹/sub› Complex of Leishmania Parasites for Discovery of Novel Drugs. Antimicrobial Agents and Chemotherapy, 2016, 60, 4972-4982.	3.2	28

#	Article	IF	Citations
19	ELQ-300 Prodrugs for Enhanced Delivery and Single-Dose Cure of Malaria. Antimicrobial Agents and Chemotherapy, 2015, 59, 5555-5560.	3.2	62
20	Inhibition of Cytochrome bc 1 as a Strategy for Single-Dose, Multi-Stage Antimalarial Therapy. American Journal of Tropical Medicine and Hygiene, 2015, 92, 1195-1201.	1.4	34
21	Subtle Changes in Endochin-Like Quinolone Structure Alter the Site of Inhibition within the Cytochrome bc ₁ Complex of Plasmodium falciparum. Antimicrobial Agents and Chemotherapy, 2015, 59, 1977-1982.	3.2	61
22	Mefloquine and psychotomimetics share neurotransmitter receptor and transporter interactions in vitro. Psychopharmacology, 2014, 231, 2771-2783.	3.1	26
23	Discovery, Synthesis, and Optimization of Antimalarial 4(1H)-Quinolone-3-Diarylethers. Journal of Medicinal Chemistry, 2014, 57, 3818-3834.	6.4	100
24	Quinolone-3-Diarylethers: A New Class of Antimalarial Drug. Science Translational Medicine, 2013, 5, 177ra37.	12.4	187
25	Substrate Inhibition of Uracil Phosphoribosyltransferase by Uracil Can Account for the Uracil Growth Sensitivity of Leishmania donovani Pyrimidine Auxotrophs. Journal of Biological Chemistry, 2013, 288, 29954-29964.	3.4	9
26	Sontochin as a Guide to the Development of Drugs against Chloroquine-Resistant Malaria. Antimicrobial Agents and Chemotherapy, 2012, 56, 3475-3480.	3.2	21
27	Endochin-like quinolones are highly efficacious against acute and latent experimental toxoplasmosis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15936-15941.	7.1	173
28	Optimization of endochin-like quinolones for antimalarial activity. Experimental Parasitology, 2011, 127, 545-551.	1.2	76
29	Chemical genetics of Plasmodium falciparum. Nature, 2010, 465, 311-315.	27.8	515
30	Silicate Nephrolithiasis After Ingestion of Supplements Containing Silica Dioxide. American Journal of Kidney Diseases, 2009, 54, 127-130.	1.9	13
31	Discovery of dual function acridones as a new antimalarial chemotype. Nature, 2009, 459, 270-273.	27.8	161
32	Synthesis and heme-binding correlation with antimalarial activity of 3,6-bis-(Ï‰-N,N-diethylaminoamyloxy)-4,5-difluoroxanthone. Bioorganic and Medicinal Chemistry, 2008, 16, 1174-1183.	3.0	21
33	Antimalarial quinolones: Synthesis, potency, and mechanistic studies. Experimental Parasitology, 2008, 118, 487-497.	1.2	125
34	A drug-selected Plasmodium falciparum lacking the need for conventional electron transport. Molecular and Biochemical Parasitology, 2008, 159, 64-68.	1.1	32
35	White Thrombus Formation in Blood Tubing Lines in a Chronic Hemodialysis Unit. Clinical Journal of the American Society of Nephrology: CJASN, 2008, 3, 382-386.	4.5	7
36	Structures of 5-Methylthioribose Kinase Reveal Substrate Specificity and Unusual Mode of Nucleotide Binding. Journal of Biological Chemistry, 2007, 282, 22195-22206.	3.4	15

#	Article	IF	Citations
37	Design, Synthesis, and Evaluation of 10-N-Substituted Acridones as Novel Chemosensitizers in Plasmodium falciparum. Antimicrobial Agents and Chemotherapy, 2007, 51, 4133-4140.	3.2	47
38	Selective killing of the human malaria parasite Plasmodium falciparum by a benzylthiazolium dye. Experimental Parasitology, 2007, 116, 103-110.	1.2	10
39	A Chloroquine-like Molecule Designed to Reverse Resistance inPlasmodium falciparum. Journal of Medicinal Chemistry, 2006, 49, 5623-5625.	6.4	129
40	Evaluation and lead optimization of anti-malarial acridones. Experimental Parasitology, 2006, 114, 47-56.	1.2	87
41	Structural Rationale for the Affinity of Pico- and Femtomolar Transition State Analogues of Escherichia coli 5â€²-Methylthioadenosine/S-Adenosylhomocysteine Nucleosidase. Journal of Biological Chemistry, 2005, 280, 18274-18282.	3.4	71
42	Structural Snapshots of MTA/AdoHcy Nucleosidase Along the Reaction Coordinate Provide Insights into Enzyme and Nucleoside Flexibility During Catalysis. Journal of Molecular Biology, 2005, 352, 559-574.	4.2	33
43	Crystallization and preliminary X-ray analysis of 5â€²-methylthioribose kinase fromBacillus subtilisandArabidopsis thaliana. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 116-119.	2.5	10
44	? lipoic acid inhibits human T-cell migration: Implications for multiple sclerosis. Journal of Neuroscience Research, 2004, 78, 362-370.	2.9	55
45	Simple and Inexpensive Fluorescence-Based Technique for High-Throughput Antimalarial Drug Screening. Antimicrobial Agents and Chemotherapy, 2004, 48, 1803-1806.	3.2	977
46	Cyquant cell proliferation assay as a fluorescence-based method for in vitro screening of antimalarial activity. Southeast Asian Journal of Tropical Medicine and Public Health, 2004, 35, 840-4.	1.0	3
47	Antileishmanial drug development: exploitation of parasite heme dependency. Molecular and Biochemical Parasitology, 2003, 126, 43-49.	1.1	22
48	Structure of Escherichia coli5â€²-Methylthioadenosine/ S-Adenosylhomocysteine Nucleosidase Inhibitor Complexes Provide Insight into the Conformational Changes Required for Substrate Binding and Catalysis. Journal of Biological Chemistry, 2003, 278, 8761-8770.	3.4	51
49	Optimization of Xanthones for Antimalarial Activity: the 3,6-Bis-Ï‰-Diethylaminoalkoxyxanthone Series. Antimicrobial Agents and Chemotherapy, 2002, 46, 144-150.	3.2	55
50	The kinetics of uptake and accumulation of 3,6-bis-Ï‰-diethylamino-amyloxyxanthone by the human malaria parasite Plasmodium falciparum. Molecular and Biochemical Parasitology, 2002, 123, 47-54.	1.1	15
51	A spectroscopic investigation of the binding interactions between 4,5-dihydroxyxanthone and heme. Journal of Inorganic Biochemistry, 2001, 86, 617-625.	3.5	42
52	Expression, purification, crystallization and preliminary X-ray analysis ofEscherichia coli5â€²-methylthioadenosine/S-adenosylhomocysteine nucleosidase. Acta Crystallographica Section D: Biological Crystallography, 2001, 57, 150-152.	2.5	24
53	Structure of E. coli 5â€²-methylthioadenosine/S-adenosylhomocysteine Nucleosidase Reveals Similarity to the Purine Nucleoside Phosphorylases. Structure, 2001, 9, 941-953.	3.3	77
54	Xanthones as antimalarial agents; studies of a possible mode of action. FEBS Letters, 1997, 409, 67-73.	2.8	95

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55	Characterization of RecombinantEschericha coli5â€²-Methylthioadenosine/S-Adenosylhomocysteine Nucleosidase: Analysis of Enzymatic Activity and Substrate Specificity. Biochemical and Biophysical Research Communications, 1996, 228, 724-732.	2.1	74
56	Affinity purification of 5-methylthioribose kinase and 5-methylthioadenosine/S-adenosylhomocysteine nucleosidase from Klebsiella pneumoniae. Biochemical Journal, 1996, 317, 285-290.	3.7	42
57	Hydroxy-anthraquinones as antimalarial agents. Bioorganic and Medicinal Chemistry Letters, 1995, 5, 1927-1932.	2.2	27
58	Synthesis and testing of substituted phenylthioribose analogs against Klebsiella pneumoniae. Bioorganic and Medicinal Chemistry Letters, 1993, 3, 2079-2082.	2.2	5
59	Mechanism of action of 5'-methylthioadenosine in S49 cells. Biochemical Pharmacology, 1984, 33, 3639-3643.	4.4	30