Glenn A Mcconkey

List of Publications by Year
in descending order

56 papers	3,226 citations	147801 31 h-index	155660 55 g-index
59 all docs	59 docs citations	59 times ranked	3385 citing authors

#	Article	IF	Citations
1	The Neurotropic Parasite Toxoplasma Gondii Increases Dopamine Metabolism. PLoS ONE, 2011, 6, e23866.	2.5	370
2	A Unique Dual Activity Amino Acid Hydroxylase in Toxoplasma gondii. PLoS ONE, 2009, 4, e4801.	2.5	238
3	Toxoplasma gondii infection and behaviour â€“ location, location, location?. Journal of Experimental Biology, 2013, 216, 113-119.	1.7	172
4	Inhibition of Plasmodium falciparum Protein Synthesis. Journal of Biological Chemistry, 1997, 272, 2046-2049.	3.4	164
5	Toxoplasma gondiiinfection, from predation to schizophrenia: can animal behaviour help us understand human behaviour?. Journal of Experimental Biology, 2013, 216, 99-112.	1.7	140
6	RNA interference (RNAi) inhibits growth of Plasmodium falciparum. Molecular and Biochemical Parasitology, 2002, 119, 273-278.	1.1	127
7	Analysis of short RNAs in the malaria parasite and its red blood cell host. FEBS Letters, 2006, 580, 5185-5188.	2.8	124
8	Toxoplasma gondii-altered host behaviour: clues as to mechanism of action. Folia Parasitologica, 2010, 57, 95-104.	1.3	119
9	Identification of a nucleoside/nucleobase transporter from Plasmodium falciparum, a novel target for anti-malarial chemotherapy. Biochemical Journal, 2000, 349, 67-75.	3.7	104
10	Petri Net representations in systems biology. Biochemical Society Transactions, 2003, 31, 1513-1515.	3.4	95
11	Plasmodium: Genus-Conserved Primers for Species Identification and Quantitation. Experimental Parasitology, 1995, 81, 182-190.	1.2	93
12	metaSHARK: software for automated metabolic network prediction from DNA sequence and its application to the genomes of Plasmodium falciparum and Eimeria tenella. Nucleic Acids Research, 2005, 33, 1399-1409.	14.5	91
13	Structure-Based Design, Synthesis, and Characterization of Inhibitors of Human and Plasmodium falciparum Dihydroorotate Dehydrogenases. Journal of Medicinal Chemistry, 2009, 52, 2683-2693.	6.4	84
14	Synthesis of brequinar analogue inhibitors of malaria parasite dihydroorotate dehydrogenase. Bioorganic and Medicinal Chemistry, 2005, 13, 1945-1967.	3.0	77
15	Targeting the Shikimate Pathway in the Malaria Parasite Plasmodium falciparum. Antimicrobial Agents and Chemotherapy, 1999, 43, 175-177.	3.2	75
16	Annotating the Plasmodium genome and the enigma of the shikimate pathway. Trends in Parasitology, 2004, 20, 60-65.	3.3	70
17	Effect of parasitic infection on dopamine biosynthesis in dopaminergic cells. Neuroscience, 2015, 306, 50-62.	2.3	68
18	Identification of a nucleoside/nucleobase transporter from Plasmodium falciparum, a novel target for anti-malarial chemotherapy. Biochemical Journal, 2000, 349, 67.	3.7	67

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19	Design and Synthesis of Potent Inhibitors of the Malaria Parasite Dihydroorotate Dehydrogenase. Journal of Medicinal Chemistry, 2007, 50, 186-191.	6.4	60
20	Experimental Toxoplasmosis in Rats Induced Orally with Eleven Strains of Toxoplasma gondii of Seven Genotypes: Tissue Tropism, Tissue Cyst Size, Neural Lesions, Tissue Cyst Rupture without Reactivation, and Ocular Lesions. PLoS ONE, 2016, 11, e0156255.	2.5	57
21	The transferome of metabolic genes explored: analysis of the horizontal transfer of enzyme encoding genes in unicellular eukaryotes. Genome Biology, 2009, 10, R36.	9.6	56
22	Neurophysiological Changes Induced by Chronic Toxoplasma gondii Infection. Pathogens, 2017, 6, 19.	2.8	53
23	TFIIIA binds with equal affinity to somatic and major oocyte 5S RNA genes.. Genes and Development, 1988, 2, 205-214.	5.9	47
24	Factors Influencing the Specificity of Inhibitor Binding to the Human and Malaria Parasite Dihydroorotate Dehydrogenases. Journal of Medicinal Chemistry, 2012, 55, 5841-5850.	6.4	47
25	Nucleoside Transport as a Potential Target for Chemotherapy in Malaria. Current Pharmaceutical Design, 2007, 13, 569-580.	1.9	44
26	The Generation of Genetic Diversity in Malaria Parasites. Annual Review of Microbiology, 1990, 44, 479-498.	7.3	43
27	Plasmodium: The Developmentally Regulated Ribosome. Experimental Parasitology, 1994, 78, 437-441.	1.2	40
28	The Ribosomal DNA Loci inPlasmodium falciparumAccumulate Mutations Independently. Journal of Molecular Biology, 1995, 254, 881-891.	4.2	37
29	Mechanisms of pyrimethamine resistance in two different strains of Plasmodium berghei. Molecular and Biochemical Parasitology, 1994, 68, 167-171.	1.1	36
30	Transition of Plasmodium vivax ribosome types corresponds to sporozoite differentiation in the mosquito. Molecular and Biochemical Parasitology, 1994, 65, 283-289.	1.1	36
31	Metabolic reconstruction and analysis for parasite genomes. Trends in Parasitology, 2007, 23, 548-554.	3.3	33
32	metaTIGER: a metabolic evolution resource. Nucleic Acids Research, 2009, 37, D531-D538.	14.5	32
33	Auxotrophs of Plasmodium falciparum dependent on p-aminobenzoic acid for growth.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 4244-4248.	7.1	29
34	Parasite Diversity in an Endemic Region for Avian Malaria and Identification of a Parasite Causing Penguin Mortality. Journal of Eukaryotic Microbiology, 1996, 43, 393-399.	1.7	24
35	Downregulation of the Central Noradrenergic System by Toxoplasma gondii Infection. Infection and Immunity, 2019, 87, .	2.2	24
36	Plasmodium falciparum: Isolation and Characterisation of a Gene Encoding Protozoan GMP Synthase. Experimental Parasitology, 2000, 94, 23-32.	1.2	23

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37	metaSHARK: a WWW platform for interactive exploration of metabolic networks. Nucleic Acids Research, 2006, 34, W725-W728.	14.5	23
38	PRELIMINARY RESULTS OF AN ANTICIRCUMSPOROZOITE DNA VACCINE TRIAL FOR PROTECTION AGAINST AVIAN MALARIA IN CAPTIVE AFRICAN BLACK-FOOTED PENGUINS (SPHENISCUS DEMERSUS). Journal of Zoo and Wildlife Medicine, 2004, 35, 154-161.	0.6	21
39	Prediction of horizontal gene transfers in eukaryotes: approaches and challenges. Biochemical Society Transactions, 2009, 37, 792-795.	3.4	19
40	Combination therapies for COVIDâ€19: An overview of the clinical trials landscape. British Journal of Clinical Pharmacology, 2022, 88, 1590-1597.	2.4	18
41	A study of the effects of substituents on the selectivity of the binding of N-arylaminomethylene malonate inhibitors to DHODH. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 1284-1287.	2.2	17
42	MetNetMaker: a free and open-source tool for the creation of novel metabolic networks in SBML format. Bioinformatics, 2010, 26, 2352-2353.	4.1	17
43	Gene function prediction using semantic similarity clustering and enrichment analysis in the malaria parasite Plasmodium falciparum. Bioinformatics, 2010, 26, 2431-2437.	4.1	17
44	Plasmodium falciparum: Interaction of shikimate analogues with antimalarial drugs. Experimental Parasitology, 2005, 111, 178-181.	1.2	16
45	N-Substituted salicylamides as selective malaria parasite dihydroorotate dehydrogenase inhibitors. MedChemComm, 2011, 2, 895.	3.4	16
46	Noradrenergic Signaling and Neuroinflammation Crosstalk Regulate Toxoplasma gondii-Induced Behavioral Changes. Trends in Immunology, 2020, 41, 1072-1082.	6.8	16
47	Reproducing Increased Dopamine with Infection To Evaluate the Role of Parasite-Encoded Tyrosine Hydroxylase Activity. Infection and Immunity, 2015, 83, 3334-3335.	2.2	14
48	Pantothenic Acid Biosynthesis in the Parasite Toxoplasma gondii: a Target for Chemotherapy. Antimicrobial Agents and Chemotherapy, 2014, 58, 6345-6353.	3.2	13
49	Identification of the transcription initiation site of the asexually expressed rRNA genes of the malaria parasite Plasmodium berghei. Molecular and Biochemical Parasitology, 1999, 99, 193-205.	1.1	6
50	PlasmoPredict: a gene function prediction website for Plasmodium falciparum. Trends in Parasitology, 2010, 26, 107-110.	3.3	3
51	The Toxoplasma gondii Model of Schizophrenia. Handbook of Behavioral Neuroscience, 2016, 23, 225-241.	0.7	3
52	Interconvertible geometric isomers of Plasmodium falciparum dihydroorotate dehydrogenase inhibitors exhibit multiple binding modes. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3878-3882.	2.2	3
53	Alio intuitu: the automated reconstruction of the metabolic networks of parasites. Trends in Parasitology, 2009, 25, 396-397.	3.3	2
54	Choosing drugs for UK COVID-19 treatment trials. Nature Reviews Drug Discovery, 2022, 21, 81-82.	46.4	2

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55	Bayesian Data Integration and Enrichment Analysis for Predicting Gene Function in Malaria. Lecture Notes in Computer Science, 2009, , 457-466.	1.3	1
56	RNAi in the Malaria Parasite Plasmodium. , 2004, , .		0