

Michael P Barrett

List of Publications by Year in descending order

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155
papers

9,410
citations

38742

50
h-index

46799

89
g-index

166
all docs

166
docs citations

166
times ranked

9899
citing authors

#	ARTICLE	IF	CITATIONS
1	The trypanosomiasis. <i>Lancet</i> , 2003, 362, 1469-1480.	13.7	673
2	Drug resistance and treatment failure in leishmaniasis: A 21st century challenge. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0006052.	3.0	571
3	Toward Global Metabolomics Analysis with Hydrophilic Interaction Liquid Chromatography–Mass Spectrometry: Improved Metabolite Identification by Retention Time Prediction. <i>Analytical Chemistry</i> , 2011, 83, 8703-8710.	6.5	326
4	The animal trypanosomiasis and their chemotherapy: a review. <i>Parasitology</i> , 2016, 143, 1862-1889.	1.5	308
5	IDEOM: an Excel interface for analysis of LC–MS-based metabolomics data. <i>Bioinformatics</i> , 2012, 28, 1048-1049.	4.1	307
6	Management of trypanosomiasis and leishmaniasis. <i>British Medical Bulletin</i> , 2012, 104, 175-196.	6.9	240
7	Pentamidine uptake and resistance in pathogenic protozoa: past, present and future. <i>Trends in Parasitology</i> , 2003, 19, 232-239.	3.3	208
8	Proline Metabolism in Procyclic <i>Trypanosoma brucei</i> Is Down-regulated in the Presence of Glucose. <i>Journal of Biological Chemistry</i> , 2005, 280, 11902-11910.	3.4	190
9	Mechanisms of Arsenical and Diamidine Uptake and Resistance in <i>Trypanosoma brucei</i> . <i>Eukaryotic Cell</i> , 2003, 2, 1003-1008.	3.4	186
10	Separation of parasites from human blood using deterministic lateral displacement. <i>Lab on a Chip</i> , 2011, 11, 1326.	6.0	180
11	A Molecular Mechanism for Eflornithine Resistance in African Trypanosomes. <i>PLoS Pathogens</i> , 2010, 6, e1001204.	4.7	155
12	Design and Synthesis of a Series of Melamine-based Nitroheterocycles with Activity against Trypanosomatid Parasites. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 5570-5579.	6.4	153
13	MetExplore: a web server to link metabolomic experiments and genome-scale metabolic networks. <i>Nucleic Acids Research</i> , 2010, 38, W132-W137.	14.5	148
14	Aquaglyceroporin 2 controls susceptibility to melarsoprol and pentamidine in African trypanosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10996-11001.	7.1	134
15	Stable Isotope-Assisted Metabolomics for Network-Wide Metabolic Pathway Elucidation. <i>Analytical Chemistry</i> , 2012, 84, 8442-8447.	6.5	132
16	Probing the Metabolic Network in Bloodstream-Form <i>Trypanosoma brucei</i> Using Untargeted Metabolomics with Stable Isotope Labelled Glucose. <i>PLoS Pathogens</i> , 2015, 11, e1004689.	4.7	128
17	Precision mapping of the metabolome. <i>Trends in Biotechnology</i> , 2006, 24, 543-548.	9.3	125
18	Genetic characterization of glucose transporter function in <i>Leishmania mexicana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 3901-3906.	7.1	124

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19	Drug resistance in human African trypanosomiasis. <i>Future Microbiology</i> , 2011, 6, 1037-1047.	2.0	121
20	Development of novel drugs for human African trypanosomiasis. <i>Future Microbiology</i> , 2011, 6, 677-691.	2.0	120
21	Ab initio prediction of metabolic networks using Fourier transform mass spectrometry data. <i>Metabolomics</i> , 2006, 2, 155-164.	3.0	117
22	BCKDH: The Missing Link in Apicomplexan Mitochondrial Metabolism Is Required for Full Virulence of <i>Toxoplasma gondii</i> and <i>Plasmodium berghei</i> . <i>PLoS Pathogens</i> , 2014, 10, e1004263.	4.7	115
23	Glucose-induced Remodeling of Intermediary and Energy Metabolism in Procyclic <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 2008, 283, 16342-16354.	3.4	113
24	Energy generation in insect stages of <i>Trypanosoma brucei</i> : metabolism in flux. <i>Trends in Parasitology</i> , 2005, 21, 185-191.	3.3	112
25	Untargeted Metabolomics Reveals a Lack Of Synergy between Nifurtimox and Eflornithine against <i>Trypanosoma brucei</i> . <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1618.	3.0	101
26	Protozoan persister-like cells and drug treatment failure. <i>Nature Reviews Microbiology</i> , 2019, 17, 607-620.	28.6	97
27	mzMatch ^{ISO} : an R tool for the annotation and relative quantification of isotope-labelled mass spectrometry data. <i>Bioinformatics</i> , 2013, 29, 281-283.	4.1	91
28	Benznidazole Biotransformation and Multiple Targets in <i>Trypanosoma cruzi</i> Revealed by Metabolomics. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2844.	3.0	90
29	New WHO guidelines for treatment of gambiense human African trypanosomiasis including fexinidazole: substantial changes for clinical practice. <i>Lancet Infectious Diseases</i> , The, 2020, 20, e38-e46.	9.1	90
30	Metabolomics Guides Rational Development of a Simplified Cell Culture Medium for Drug Screening against <i>Trypanosoma brucei</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 2768-2779.	3.2	88
31	New surveyor tools for charting microbial metabolic maps. <i>Nature Reviews Microbiology</i> , 2008, 6, 156-161.	28.6	83
32	New Drugs for Human African Trypanosomiasis: A Twenty First Century Success Story. <i>Tropical Medicine and Infectious Disease</i> , 2020, 5, 29.	2.3	83
33	Stage-Specific Changes in <i>Plasmodium</i> Metabolism Required for Differentiation and Adaptation to Different Host and Vector Environments. <i>PLoS Pathogens</i> , 2016, 12, e1006094.	4.7	82
34	Untargeted Metabolomics To Ascertain Antibiotic Modes of Action. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 2281-2291.	3.2	78
35	Drug Discovery for Kinetoplastid Diseases: Future Directions. <i>ACS Infectious Diseases</i> , 2019, 5, 152-157.	3.8	78
36	The rise and fall of sleeping sickness. <i>Lancet</i> , The, 2006, 367, 1377-1378.	13.7	75

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37	Metabolomics Identifies Multiple Candidate Biomarkers to Diagnose and Stage Human African Trypanosomiasis. PLoS Neglected Tropical Diseases, 2016, 10, e0005140.	3.0	74
38	Minor groove binders as anti-infective agents. , 2013, 139, 12-23.		73
39	Uptake and mode of action of drugs used against sleeping sickness. Biochemical Pharmacology, 2001, 61, 1-5.	4.4	72
40	Pentose phosphate metabolism in Leishmania mexicana. Molecular and Biochemical Parasitology, 2003, 130, 117-125.	1.1	72
41	Host Reticulocytes Provide Metabolic Reservoirs That Can Be Exploited by Malaria Parasites. PLoS Pathogens, 2015, 11, e1004882.	4.7	67
42	Trypanosome glucose transporters. Molecular and Biochemical Parasitology, 1998, 91, 195-205.	1.1	62
43	The Pentose Phosphate Pathway in Parasitic Trypanosomatids. Trends in Parasitology, 2016, 32, 622-634.	3.3	62
44	Diamidines for human African trypanosomiasis. Current Opinion in Investigational Drugs, 2010, 11, 876-83.	2.3	61
45	Semi-targeted analysis of metabolites using capillary-flow ion chromatography coupled to high-resolution mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 3447-3452.	1.5	59
46	In Vivo Imaging of Trypanosome-Brain Interactions and Development of a Rapid Screening Test for Drugs against CNS Stage Trypanosomiasis. PLoS Neglected Tropical Diseases, 2013, 7, e2384.	3.0	59
47	A 2.8 Å... resolution structure of 6-phosphogluconate dehydrogenase from the protozoan parasite Trypanosoma brucei : comparison with the sheep enzyme accounts for differences in activity with coenzyme and substrate analogues 1 Edited by R. Huber. Journal of Molecular Biology, 1998, 282, 667-681.	4.2	58
48	The threonine degradation pathway of the <i>Trypanosoma brucei</i> procyclic form: the main carbon source for lipid biosynthesis is under metabolic control. Molecular Microbiology, 2013, 90, 114-129.	2.5	58
49	Functional expression of TcoAT1 reveals it to be a P1-type nucleoside transporter with no capacity for diminazene uptake. International Journal for Parasitology: Drugs and Drug Resistance, 2013, 3, 69-76.	3.4	57
50	Activity of Megazol, a Trypanocidal Nitroimidazole, Is Associated with DNA Damage. Antimicrobial Agents and Chemotherapy, 2003, 47, 3368-3370.	3.2	54
51	Roles for the <i>Trypanosoma brucei</i> P2 Transporter in DB75 Uptake and Resistance. Molecular Pharmacology, 2006, 70, 1585-1592.	2.3	54
52	Metabolomic analysis of trypanosomatid protozoa. Molecular and Biochemical Parasitology, 2012, 181, 73-84.	1.1	54
53	The trypanocidal benzoxaborole AN7973 inhibits trypanosome mRNA processing. PLoS Pathogens, 2018, 14, e1007315.	4.7	53
54	Targeting of Toxic Compounds to the Trypanosome's Interior. Advances in Parasitology, 2006, 63, 125-183.	3.2	52

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55	Potential new drugs for human African trypanosomiasis: some progress at last. <i>Current Opinion in Infectious Diseases</i> , 2010, 23, 603-608.	3.1	51
56	Melarsoprol Cyclodextrin Inclusion Complexes as Promising Oral Candidates for the Treatment of Human African Trypanosomiasis. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e1308.	3.0	51
57	Rare Cell Enrichment by a Rapid, Label-Free, Ultrasonic Isopycnic Technique for Medical Diagnostics. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5587-5590.	13.8	51
58	Pathos: A web facility that uses metabolic maps to display experimental changes in metabolites identified by mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 3422-3426.	1.5	49
59	Trypanocidal Furamide Analogues: Influence of Pyridine Nitrogens on Trypanocidal Activity, Transport Kinetics, and Resistance Patterns. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 2352-2361.	3.2	49
60	Perspectives for New Drugs Against Trypanosomiasis and Leishmaniasis. <i>Current Topics in Medicinal Chemistry</i> , 2002, 2, 471-482.	2.1	48
61	A <i>Trypanosoma brucei</i> Kinesin Heavy Chain Promotes Parasite Growth by Triggering Host Arginase Activity. <i>PLoS Pathogens</i> , 2013, 9, e1003731.	4.7	48
62	Transketolase from <i>Leishmania mexicana</i> has a dual subcellular localization. <i>Biochemical Journal</i> , 2004, 382, 759-767.	3.7	47
63	Determination of antiprotozoal drug mechanisms by metabolomics approaches. <i>Parasitology</i> , 2014, 141, 83-92.	1.5	47
64	Detection of arsenical drug resistance in <i>Trypanosoma brucei</i> with a simple fluorescence test. <i>Lancet</i> , The, 2005, 366, 486-487.	13.7	46
65	Metabolomic-Based Strategies for Anti-Parasite Drug Discovery. <i>Journal of Biomolecular Screening</i> , 2015, 20, 44-55.	2.6	46
66	The elimination of human African trypanosomiasis is in sight: Report from the third WHO stakeholders meeting on elimination of gambiense human African trypanosomiasis. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006925.	3.0	45
67	Targeting the trypanosome kinetochore with CLK1 protein kinase inhibitors. <i>Nature Microbiology</i> , 2020, 5, 1207-1216.	13.3	45
68	6-Phosphogluconate Dehydrogenase from <i>Trypanosoma Brucei</i> . Kinetic Analysis and Inhibition by Trypanocidal Drugs. <i>FEBS Journal</i> , 1996, 240, 592-599.	0.2	44
69	Sterol 14 α -demethylase mutation leads to amphotericin B resistance in <i>Leishmania mexicana</i> . <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005649.	3.0	43
70	Handling Uncertainty in Dynamic Models: The Pentose Phosphate Pathway in <i>Trypanosoma brucei</i> . <i>PLoS Computational Biology</i> , 2013, 9, e1003371.	3.2	40
71	Vacuolar ATPase depletion affects mitochondrial ATPase function, kinetoplast dependency, and drug sensitivity in trypanosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9112-9117.	7.1	39
72	Genomic instability at the locus of sterol C24-methyltransferase promotes amphotericin B resistance in <i>Leishmania</i> parasites. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007052.	3.0	39

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73	Multiple roles of proline transport and metabolism in trypanosomatids. <i>Frontiers in Bioscience - Landmark</i> , 2012, 17, 349.	3.0	38
74	The Diamidine Diminazene Aceturate Is a Substrate for the High-Affinity Pentamidine Transporter: Implications for the Development of High Resistance Levels in Trypanosomes. <i>Molecular Pharmacology</i> , 2011, 80, 110-116.	2.3	37
75	LC-MS-based absolute metabolite quantification: application to metabolic flux measurement in trypanosomes. <i>Metabolomics</i> , 2015, 11, 1721-1732.	3.0	36
76	TrypanoCyc: a community-led biochemical pathways database for <i>Trypanosoma brucei</i> . <i>Nucleic Acids Research</i> , 2015, 43, D637-D644.	14.5	35
77	Metabolomic profiling of macrophages determines the discrete metabolomic signature and metabolomic interactome triggered by polarising immune stimuli. <i>PLoS ONE</i> , 2018, 13, e0194126.	2.5	35
78	Selective Inhibition of <i>Trypanosoma brucei</i> 6-Phosphogluconate Dehydrogenase by High-Energy Intermediate and Transition-State Analogues. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 3427-3437.	6.4	33
79	Synthesis and in vitro/in vivo Evaluation of the Antitrypanosomal Activity of 3-Bromoacivicin, a Potent CTP Synthetase Inhibitor. <i>ChemMedChem</i> , 2011, 6, 329-333.	3.2	33
80	Benzoxaborole treatment perturbs S-adenosyl-L-methionine metabolism in <i>Trypanosoma brucei</i> . <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006450.	3.0	33
81	Functional and genetic evidence that nucleoside transport is highly conserved in <i>Leishmania</i> species: Implications for pyrimidine-based chemotherapy. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2017, 7, 206-226.	3.4	32
82	Gluconeogenesis using glycerol as a substrate in bloodstream-form <i>Trypanosoma brucei</i> . <i>PLoS Pathogens</i> , 2018, 14, e1007475.	4.7	32
83	Suramin exposure alters cellular metabolism and mitochondrial energy production in African trypanosomes. <i>Journal of Biological Chemistry</i> , 2020, 295, 8331-8347.	3.4	32
84	Cell-based and multi-omics profiling reveals dynamic metabolic repurposing of mitochondria to drive developmental progression of <i>Trypanosoma brucei</i> . <i>PLoS Biology</i> , 2020, 18, e3000741.	5.6	32
85	Intravital Imaging of a Massive Lymphocyte Response in the Cortical Dura of Mice after Peripheral Infection by Trypanosomes. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003714.	3.0	31
86	Complex Interplay between Sphingolipid and Sterol Metabolism Revealed by Perturbations to the <i>Leishmania</i> Metabolome Caused by Miltefosine. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	31
87	A 6-phosphogluconate dehydrogenase gene from <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1993, 57, 89-99.	1.1	30
88	Multiple Genetic Mechanisms Lead to Loss of Functional TbAT1 Expression in Drug-Resistant Trypanosomes. <i>Eukaryotic Cell</i> , 2010, 9, 336-343.	3.4	30
89	Urinary antihypertensive drug metabolite screening using molecular networking coupled to high-resolution mass spectrometry fragmentation. <i>Metabolomics</i> , 2016, 12, 125.	3.0	30
90	Use of reconstituted metabolic networks to assist in metabolomic data visualization and mining. <i>Metabolomics</i> , 2010, 6, 312-321.	3.0	29

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91	Synthesis and Biological Evaluation of CTP Synthetase Inhibitors as Potential Agents for the Treatment of African Trypanosomiasis. <i>ChemMedChem</i> , 2012, 7, 1623-1634.	3.2	29
92	Dynamic Modelling under Uncertainty: The Case of <i>Trypanosoma brucei</i> Energy Metabolism. <i>PLoS Computational Biology</i> , 2012, 8, e1002352.	3.2	28
93	6-Phosphogluconate dehydrogenase from <i>Lactococcus lactis</i> : a role for arginine residues in binding substrate and coenzyme. <i>Biochemical Journal</i> , 1999, 338, 55-60.	3.7	27
94	Uptake of the nitroimidazole drug meglazol by African trypanosomes. <i>Biochemical Pharmacology</i> , 2000, 59, 615-620.	4.4	27
95	Synthesis and biological evaluation of substrate-Based inhibitors of 6-phosphogluconate dehydrogenase as potential drugs against African Trypanosomiasis. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 3205-3214.	3.0	27
96	Synthesis and Biological Evaluation of Phosphate Prodrugs of 4-erythronhydroxamic Acid, an Inhibitor of 6-phosphogluconate Dehydrogenase. <i>ChemMedChem</i> , 2007, 2, 1169-1180.	3.2	27
97	Virtual fragment screening for novel inhibitors of 6-phosphogluconate dehydrogenase. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 5056-5062.	3.0	26
98	Crystal Structure of an Arginase-like Protein from <i>Trypanosoma brucei</i> That Evolved without a Binuclear Manganese Cluster. <i>Biochemistry</i> , 2015, 54, 458-471.	2.5	26
99	Host-parasite co-metabolic activation of antitrypanosomal aminomethyl-benzoxaboroles. <i>PLoS Pathogens</i> , 2018, 14, e1006850.	4.7	26
100	The silicon trypanosome. <i>Parasitology</i> , 2010, 137, 1333-1341.	1.5	25
101	Emerging paradigms in anti-infective drug design. <i>Parasitology</i> , 2014, 141, 1-7.	1.5	24
102	Potent Trypanocidal Curcumin Analogs Bearing a Monoenone Linker Motif Act on <i>Trypanosoma brucei</i> by Forming an Adduct with Trypanothione. <i>Molecular Pharmacology</i> , 2015, 87, 451-464.	2.3	24
103	Transketolase in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 2011, 179, 1-7.	1.1	23
104	Counterflow Dielectrophoresis for Trypanosome Enrichment and Detection in Blood. <i>Scientific Reports</i> , 2012, 2, 775.	3.3	23
105	Metabolomic systems biology of trypanosomes. <i>Parasitology</i> , 2010, 137, 1285-1290.	1.5	19
106	Transport of methionine in <i>Trypanosoma brucei brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 2000, 111, 299-307.	1.1	18
107	Novel Minor Groove Binders Cure Animal African Trypanosomiasis in an in Vivo Mouse Model. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 3021-3035.	6.4	18
108	Experimentally Engineered Mutations in a Ubiquitin Hydrolase, UBP-1, Modulate <i>In Vivo</i> Susceptibility to Artemisinin and Chloroquine in <i>Plasmodium berghei</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	18

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109	Deletion of transketolase triggers a stringent metabolic response in promastigotes and loss of virulence in amastigotes of <i>Leishmania mexicana</i> . <i>PLoS Pathogens</i> , 2018, 14, e1006953.	4.7	18
110	Shape-Dependent Optoelectronic Cell Lysis. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 842-846.	13.8	17
111	Mapping the metabolism of five amino acids in bloodstream form <i>Trypanosoma brucei</i> using U-13C-labelled substrates and LC-MS. <i>Bioscience Reports</i> , 2019, 39, .	2.4	17
112	Pharma to farmer: field challenges of optimizing trypanocide use in African animal trypanosomiasis. <i>Trends in Parasitology</i> , 2021, 37, 831-843.	3.3	17
113	McArthur revisited: fluorescence microscopes for field diagnostics. <i>Trends in Parasitology</i> , 2007, 23, 468-469.	3.3	16
114	Genotypic Status of the TbAT1/P2 Adenosine Transporter of <i>Trypanosoma brucei gambiense</i> Isolates from Northwestern Uganda following Melarsoprol Withdrawal. <i>PLoS Neglected Tropical Diseases</i> , 2009, 3, e523.	3.0	16
115	Procyclic trypanosomes recycle glucose catabolites and TCA cycle intermediates to stimulate growth in the presence of physiological amounts of proline. <i>PLoS Pathogens</i> , 2021, 17, e1009204.	4.7	16
116	Veterinary trypanocidal benzoxaboroles are peptidase-activated prodrugs. <i>PLoS Pathogens</i> , 2020, 16, e1008932.	4.7	16
117	An Atypical Mitochondrial Carrier That Mediates Drug Action in <i>Trypanosoma brucei</i> . <i>PLoS Pathogens</i> , 2015, 11, e1004875.	4.7	15
118	Metabolic Clustering Analysis as a Strategy for Compound Selection in the Drug Discovery Pipeline for Leishmaniasis. <i>ACS Chemical Biology</i> , 2018, 13, 1361-1369.	3.4	15
119	Antileishmanial Chemotherapy through Clemastine Fumarate Mediated Inhibition of the <i>Leishmania</i> Inositol Phosphorylceramide Synthase. <i>ACS Infectious Diseases</i> , 2021, 7, 47-63.	3.8	15
120	Explicit consideration of topological and parameter uncertainty gives new insights into a well-established model of glycolysis. <i>FEBS Journal</i> , 2013, 280, 4640-4651.	4.7	15
121	A monolithic single-chip point-of-care platform for metabolomic prostate cancer detection. <i>Microsystems and Nanoengineering</i> , 2021, 7, 21.	7.0	14
122	Diminazene resistance in <i>Trypanosoma congolense</i> is not caused by reduced transport capacity but associated with reduced mitochondrial membrane potential. <i>Molecular Microbiology</i> , 2021, 116, 564-588.	2.5	14
123	Evaluation of Antigens for Development of a Serological Test for Human African Trypanosomiasis. <i>PLoS ONE</i> , 2016, 11, e0168074.	2.5	12
124	An integrated portable system for single chip simultaneous measurement of multiple disease associated metabolites. <i>Biosensors and Bioelectronics</i> , 2018, 122, 88-94.	10.1	12
125	Rare-Cell Enrichment by a Rapid, Label-Free, Ultrasonic Isopycnic Technique for Medical Diagnostics. <i>Angewandte Chemie</i> , 2014, 126, 5693-5696.	2.0	11
126	Divergent metabolism between <i>Trypanosoma congolense</i> and <i>Trypanosoma brucei</i> results in differential sensitivity to metabolic inhibition. <i>PLoS Pathogens</i> , 2021, 17, e1009734.	4.7	11

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127	The Knock-Down of the Chloroquine Resistance Transporter PfCRT Is Linked to Oligopeptide Handling in <i>Plasmodium falciparum</i> . <i>Microbiology Spectrum</i> , 2022, 10, .	3.0	11
128	Polymorphism among alleles of the 6-Phosphogluconate dehydrogenase gene from <i>Leishmania major</i> and <i>Leishmania tropica</i> . <i>Molecular and Biochemical Parasitology</i> , 2002, 125, 185-188.	1.1	10
129	<i>Trypanosoma brucei</i> : meet the system. <i>Current Opinion in Microbiology</i> , 2014, 20, 162-169.	5.1	10
130	Untargeted metabolomics to understand the basis of phenotypic differences in amphotericin B-resistant <i>Leishmania</i> parasites. <i>Wellcome Open Research</i> , 2019, 4, 176.	1.8	10
131	A new erythrose 4-phosphate dehydrogenase coupled assay for transketolase. <i>Journal of Proteomics</i> , 2008, 70, 1185-1187.	2.4	9
132	<i>Plasmodium falciparum</i> LipB mutants display altered redox and carbon metabolism in asexual stages and cannot complete sporogony in <i>Anopheles</i> mosquitoes. <i>International Journal for Parasitology</i> , 2021, 51, 441-453.	3.1	9
133	The 6-Phosphogluconate Dehydrogenase of <i>Leishmania (Leishmania) mexicana</i> : Gene Characterization and Protein Structure Prediction. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2010, 19, 213-223.	1.0	8
134	Bestatin Induces Specific Changes in <i>Trypanosoma cruzi</i> Dipeptide Pool. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 2921-2925.	3.2	8
135	Anti-Trypanosomal Proteasome Inhibitors Cure Hemolymphatic and Meningoencephalic Murine Infection Models of African Trypanosomiasis. <i>Tropical Medicine and Infectious Disease</i> , 2020, 5, 28.	2.3	8
136	Mammalian Deubiquitinating Enzyme Inhibitors Display <i>in Vitro</i> and <i>in Vivo</i> Activity against Malaria Parasites and Potentiate Artemisinin Action. <i>ACS Infectious Diseases</i> , 2021, 7, 333-346.	3.8	8
137	The structure-function relationship of functionally distinct but structurally similar hexose transporters from <i>Trypanosoma congolense</i> . <i>FEBS Journal</i> , 2000, 267, 4850-4860.	0.2	7
138	Running on Empty: A Metabolomics Approach to Investigating Changing Energy Metabolism during Fasted Exercise and Rest. <i>Metabolites</i> , 2020, 10, 399.	2.9	7
139	Microfluidics-Based Approaches to the Isolation of African Trypanosomes. <i>Pathogens</i> , 2017, 6, 47.	2.8	6
140	Halogenated tryptophan derivatives disrupt essential transamination mechanisms in bloodstream form <i>Trypanosoma brucei</i> . <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008928.	3.0	6
141	The Silicon Trypanosome. <i>Advances in Microbial Physiology</i> , 2014, 64, 115-143.	2.4	5
142	Antileishmanial and antitrypanosomal drug identification. <i>Emerging Topics in Life Sciences</i> , 2017, 1, 613-620.	2.6	5
143	Hypervariability in Gene Copy Number for the Glucose Transporter Genes in Trypanosomes. <i>Journal of Eukaryotic Microbiology</i> , 1996, 43, 244-249.	1.7	4
144	Advances in Understanding and Treatment of Human African Trypanosomiasis: Divergent Diseases Caused by Distinct Parasites. , 2014, , 901-917.		4

#	ARTICLE	IF	CITATIONS
145	In Vivo Bioluminescence Imaging to Assess Compound Efficacy Against <i>Trypanosoma brucei</i> . <i>Methods in Molecular Biology</i> , 2020, 2116, 801-817.	0.9	3
146	Characterization of a Melamino Nitroheterocycle as a Potential Lead for the Treatment of Human African Trypanosomiasis. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 5747-5757.	3.2	2
147	Small Polar Hits against <i>S. aureus</i> : Screening, Initial Hit Optimization, and Metabolomic Studies. <i>ACS Omega</i> , 2019, 4, 19199-19215.	3.5	2
148	Truncated S-MGBs: towards a parasite-specific and low aggregation chemotype. <i>RSC Medicinal Chemistry</i> , 2021, 12, 1391-1401.	3.9	2
149	Transcriptional differentiation of <i>Trypanosoma brucei</i> during in vitro acquisition of resistance to acoziborole. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009939.	3.0	2
150	Emerging therapeutic targets in parasitic protozoa. <i>Expert Opinion on Therapeutic Targets</i> , 1998, 2, 57-85.	1.0	1
151	Inside Doctor Livingstone: a Scottish icon's encounter with tropical disease. <i>Parasitology</i> , 2017, 144, 1652-1662.	1.5	1
152	Veterinary trypanocidal benzoxaboroles are peptidase-activated prodrugs. , 2020, 16, e1008932.		0
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