Harry P De Koning

List of Publications by Year
in descending order

171 papers	6,782 citations	57758 44 h-index	85541 71 g-index
180 all docs	180 docs citations	180 times ranked	4449 citing authors

#	Article	IF	Citations
1	The animal trypanosomiases and their chemotherapy: a review. Parasitology, 2016, 143, 1862-1889.	1.5	308
2	Drugs and drug resistance in African trypanosomiasis. Drug Resistance Updates, 2007, 10, 30-50.	14.4	236
3	Pentamidine uptake and resistance in pathogenic protozoa: past, present and future. Trends in Parasitology, 2003, 19, 232-239.	3.3	208
4	Drug resistance in African trypanosomiasis: the melarsoprol and pentamidine story. Trends in Parasitology, 2013, 29, 110-118.	3.3	207
5	Mechanisms of Arsenical and Diamidine Uptake and Resistance in Trypanosoma brucei. Eukaryotic Cell, 2003, 2, 1003-1008.	3.4	186
6	Purine and pyrimidine transport in pathogenic protozoa: From biology to therapy. FEMS Microbiology Reviews, 2005, 29, 987-1020.	8.6	175
7	Evolutionary genomics of epidemic visceral leishmaniasis in the Indian subcontinent. ELife, 2016, 5, .	6.0	147
8	Curcuminoid analogs with potent activity against Trypanosoma and Leishmania species. European Journal of Medicinal Chemistry, 2010, 45, 941-956.	5.5	145
9	Adenosine Transporters in Bloodstream Forms ofTrypanosoma brucei brucei: Substrate Recognition Motifs and Affinity for Trypanocidal Drugs. Molecular Pharmacology, 1999, 56, 1162-1170.	2.3	139
10	Uptake of Pentamidine inTrypanosoma brucei bruceiis Mediated by Three Distinct Transporters: Implications for Cross-Resistance with Arsenicals. Molecular Pharmacology, 2001, 59, 586-592.	2.3	137
11	Aquaglyceroporin 2 controls susceptibility to melarsoprol and pentamidine in African trypanosomes. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10996-11001.	7.1	134
12	Loss of the High-Affinity Pentamidine Transporter Is Responsible for High Levels of Cross-Resistance between Arsenical and Diamidine Drugs in African Trypanosomes. Molecular Pharmacology, 2007, 71, 1098-1108.	2.3	113
13	Transporters in African trypanosomes: role in drug action and resistance. International Journal for Parasitology, 2001, 31, 512-522.	3.1	112
14	Trypanosoma brucei aquaglyceroporin 2 is a high-affinity transporter for pentamidine and melaminophenyl arsenic drugs and the main genetic determinant of resistance to these drugs. Journal of Antimicrobial Chemotherapy, 2014, 69, 651-663.	3.0	106
15	The Trypanocide Diminazene Aceturate Is Accumulated Predominantly through the TbAT1 Purine Transporter: Additional Insights on Diamidine Resistance in African Trypanosomes. Antimicrobial Agents and Chemotherapy, 2004, 48, 1515-1519.	3.2	99
16	Different Substrate Recognition Motifs of Human and Trypanosome Nucleobase Transporters. Journal of Biological Chemistry, 2002, 277, 26149-26156.	3.4	90
17	Characterization of a Nucleoside/Proton Symporter in ProcyclicTrypanosoma brucei brucei. Journal of Biological Chemistry, 1998, 273, 9486-9494.	3.4	85
18	Pharmacological Validation of Trypanosoma brucei Phosphodiesterases as Novel Drug Targets. Journal of Infectious Diseases, 2012, 206, 229-237.	4.0	84

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19	Characterization of the choline carrier of Plasmodium falciparum: a route for the selective delivery of novel antimalarial drugs. Blood, 2004, 104, 3372-3377.	1.4	80
20	Propidium iodide-based methods for monitoring drug action in the kinetoplastidae: Comparison with the Alamar Blue assay. Analytical Biochemistry, 2008, 382, 87-93.	2.4	75
21	Purine nucleobase transport in bloodstream forms of Trypanosoma brucei brucei is mediated by two novel transporters. Molecular and Biochemical Parasitology, 1997, 89, 245-258.	1.1	72
22	The Drugs of Sleeping Sickness: Their Mechanisms of Action and Resistance, and a Brief History. Tropical Medicine and Infectious Disease, 2020, 5, 14.	2.3	69
23	Identification and characterisation of high affinity nucleoside and nucleobase transporters in Toxoplasma gondii. International Journal for Parasitology, 2003, 33, 821-831.	3.1	65
24	Characterisation of the plasma membrane subproteome of bloodstream form Trypanosoma brucei. Proteomics, 2008, 8, 83-99.	2.2	63
25	Aquaporin 2 Mutations in Trypanosoma brucei gambiense Field Isolates Correlate with Decreased Susceptibility to Pentamidine and Melarsoprol. PLoS Neglected Tropical Diseases, 2013, 7, e2475.	3.0	63
26	Transport proteins determine drug sensitivity and resistance in a protozoan parasite, Trypanosoma brucei. Frontiers in Pharmacology, 2015, 6, 32.	3.5	63
27	Specific Cell Targeting Therapy Bypasses Drug Resistance Mechanisms in African Trypanosomiasis. PLoS Pathogens, 2015, 11, e1004942.	4.7	63
28	Uptake of pentamidine in Trypanosoma brucei brucei is mediated by the P2 adenosine transporter and at least one novel, unrelated transporter. Acta Tropica, 2001, 80, 245-250.	2.0	62
29	Diamidines for human African trypanosomiasis. Current Opinion in Investigational Drugs, 2010, 11, 876-83.	2.3	61
30	Phosphodiesterase inhibitors as a new generation of antiprotozoan drugs: exploiting the benefit of enzymes that are highly conserved between host and parasite. Future Medicinal Chemistry, 2011, 3, 1289-1306.	2.3	59
31	Cyclic AMP Effectors in African Trypanosomes Revealed by Genome-Scale RNA Interference Library Screening for Resistance to the Phosphodiesterase Inhibitor CpdA. Antimicrobial Agents and Chemotherapy, 2013, 57, 4882-4893.	3.2	59
32	Ever-increasing complexities of diamidine and arsenical crossresistance in African trypanosomes. Trends in Parasitology, 2008, 24, 345-349.	3.3	58
33	Hypoxanthine Uptake through a Purine-Selective Nucleobase Transporter in Trypano Soma Brucei Brucei Procyclic Cells is Driven by Protonmotive Force. FEBS Journal, 1997, 247, 1102-1110.	0.2	57
34	Differential regulation of nucleoside and nucleobase transporters in Crithidia fasciculata and Trypanosoma brucei brucei. Molecular and Biochemical Parasitology, 2000, 106, 93-107.	1.1	57
35	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
36	Pyrimidine Salvage in Trypanosoma brucei Bloodstream Forms and the Trypanocidal Action of Halogenated Pyrimidines. Molecular Pharmacology, 2013, 83, 439-453.	2.3	57

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37	Chemical characterisation of Nigerian red propolis and its biological activity against Trypanosoma Brucei. Phytochemical Analysis, 2016, 27, 107-115.	2.4	56
38	Structureâ€“Activity Relationships of Synthetic Cordycepin Analogues as Experimental Therapeutics for African Trypanosomiasis. Journal of Medicinal Chemistry, 2013, 56, 9861-9873.	6.4	51
39	Catechol Pyrazolinones as Trypanocidals: Fragment-Based Design, Synthesis, and Pharmacological Evaluation of Nanomolar Inhibitors of Trypanosomal Phosphodiesterase B1. Journal of Medicinal Chemistry, 2012, 55, 8745-8756.	6.4	50
40	ALeishmania majorNucleobase Transporter Responsible for Allopurinol Uptake Is a Functional Homolog of theTrypanosoma bruceiH2 Transporter.. Molecular Pharmacology, 2003, 63, 814-820.	2.3	49
41	Molecular Pharmacology of Adenosine Transport in Trypanosoma brucei: P1/P2 Revisited. Molecular Pharmacology, 2005, 68, 589-595.	2.3	49
42	Trypanocidal Furamidine Analogues: Influence of Pyridine Nitrogens on Trypanocidal Activity, Transport Kinetics, and Resistance Patterns. Antimicrobial Agents and Chemotherapy, 2011, 55, 2352-2361.	3.2	49
43	Combining tubercidin and cordycepin scaffolds results in highly active candidates to treat late-stage sleeping sickness. Nature Communications, 2019, 10, 5564.	12.8	49
44	Trypanosoma brucei: A survey of pyrimidine transport activities. Experimental Parasitology, 2006, 114, 118-125.	1.2	48
45	Cyclic-nucleotide signalling in protozoa. FEMS Microbiology Reviews, 2011, 35, 515-541.	8.6	48
46	Detection of arsenical drug resistance in Trypanosoma brucei with a simple fluorescence test. Lancet, The, 2005, 366, 486-487.	13.7	46
47	2,N ⁶ -Disubstituted Adenosine Analogs with Antitrypanosomal and Antimalarial Activities. Antimicrobial Agents and Chemotherapy, 2007, 51, 3796-3802.	3.2	45
48	Synthesis and Structureâ€“Activity Analysis of New Phosphonium Salts with Potent Activity against African Trypanosomes. Journal of Medicinal Chemistry, 2012, 55, 2606-2622.	6.4	45
49	A highly selective, high-affinity transporter for uracil in Trypanosoma brucei brucei: evidence for proton-dependent transport. Biochemistry and Cell Biology, 1998, 76, 853-858.	2.0	44
50	Cloning, Heterologous Expression, and in Situ Characterization of the First High Affinity Nucleobase Transporter from a Protozoan. Journal of Biological Chemistry, 2003, 278, 23502-23507.	3.4	44
51	Chimerization at the AQP2â€“AQP3 locus is the genetic basis of melarsoprolâ€“pentamidine cross-resistance in clinical Trypanosoma brucei gambiense isolates. International Journal for Parasitology: Drugs and Drug Resistance, 2015, 5, 65-68.	3.4	44
52	A comprehensive model of purine uptake by the malaria parasite Plasmodium falciparum: identification of four purine transport activities in intraerythrocytic parasites. Biochemical Journal, 2008, 411, 287-295.	3.7	42
53	Further evidence for a link between melarsoprol resistance and P2 transporter function in African trypanosomes. Molecular and Biochemical Parasitology, 2000, 106, 181-185.	1.1	41
54	Molecular Interactions Underlying the Unusually High Adenosine Affinity of a NovelTrypanosoma bruceiNucleoside Transporter. Molecular Pharmacology, 2007, 71, 921-929.	2.3	41

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55	Functional analysis of drug resistanceâ€associated mutations in the <scp>T</scp>rypanosoma brucei adenosine transporter 1 (<scp>TbAT</scp>1) and the proposal of a structural model for the protein. Molecular Microbiology, 2015, 96, 887-900.	2.5	41
56	A drug resistance determinant in Trypanosoma brucei. Trends in Microbiology, 1999, 7, 469-471.	7.7	40
57	Symmetrical choline-derived dications display strong anti-kinetoplastid activity. Journal of Antimicrobial Chemotherapy, 2011, 66, 111-125.	3.0	40
58	The Chemical Characterization of Nigerian Propolis samples and Their Activity Against Trypanosoma brucei. Scientific Reports, 2017, 7, 923.	3.3	40
59	Revisiting tubercidin against kinetoplastid parasites: Aromatic substitutions at position 7 improve activity and reduce toxicity. European Journal of Medicinal Chemistry, 2019, 164, 689-705.	5.5	40
60	An improved and highly sensitive microfluorimetric method for assessing susceptibility of Plasmodium falciparum to antimalarial drugs in vitro. Malaria Journal, 2006, 5, 95.	2.3	38
61	Trypanocidal action of bisphosphonium salts through a mitochondrial target in bloodstream form Trypanosoma brucei. International Journal for Parasitology: Drugs and Drug Resistance, 2016, 6, 23-34.	3.4	38
62	The Diamidine Diminazene Aceturate Is a Substrate for the High-Affinity Pentamidine Transporter: Implications for the Development of High Resistance Levels in Trypanosomes. Molecular Pharmacology, 2011, 80, 110-116.	2.3	37
63	Drug resistance in protozoan parasites. Emerging Topics in Life Sciences, 2017, 1, 627-632.	2.6	37
64	The ever unfolding story of cAMP signaling in trypanosomatids: vive la difference!. Frontiers in Pharmacology, 2015, 6, 185.	3.5	36
65	Purine Nucleobase Transport in Amastigotes of Leishmania mexicana : Involvement in Allopurinol Uptake. Antimicrobial Agents and Chemotherapy, 2005, 49, 3682-3689.	3.2	35
66	Evaluation of Nucleoside Hydrolase Inhibitors for Treatment of African Trypanosomiasis. Antimicrobial Agents and Chemotherapy, 2010, 54, 1900-1908.	3.2	35
67	TrypanoCyc: a community-led biochemical pathways database for Trypanosoma brucei. Nucleic Acids Research, 2015, 43, D637-D644.	14.5	35
68	Chemical and Antimicrobial Profiling of Propolis from Different Regions within Libya. PLoS ONE, 2016, 11, e0155355.	2.5	35
69	Reduced Mitochondrial Membrane Potential Is a Late Adaptation of Trypanosoma brucei brucei to Isometamidium Preceded by Mutations in the Î³ Subunit of the F1Fo-ATPase. PLoS Neglected Tropical Diseases, 2016, 10, e0004791.	3.0	34
70	Conjugates of 2,4-Dihydroxybenzoate and Salicylhydroxamate and Lipocations Display Potent Antiparasite Effects by Efficiently Targeting the Trypanosoma brucei and Trypanosoma congolense Mitochondrion. Journal of Medicinal Chemistry, 2017, 60, 1509-1522.	6.4	34
71	Targeting a Subpocket in Trypanosoma brucei Phosphodiesterase B1 (TbrPDEB1) Enables the Structure-Based Discovery of Selective Inhibitors with Trypanocidal Activity. Journal of Medicinal Chemistry, 2018, 61, 3870-3888.	6.4	34
72	C6â€“O-alkylated 7-deazainosine nucleoside analogues: Discovery of potent and selective anti-sleeping sickness agents. European Journal of Medicinal Chemistry, 2020, 188, 112018.	5.5	33

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73	Epidemiology of Visceral Leishmaniasis in Georgia. PLoS Neglected Tropical Diseases, 2014, 8, e2725.	3.0	32
74	Functional and genetic evidence that nucleoside transport is highly conserved in Leishmania species: Implications for pyrimidine-based chemotherapy. International Journal for Parasitology: Drugs and Drug Resistance, 2017, 7, 206-226.	3.4	32
75	Suramin exposure alters cellular metabolism and mitochondrial energy production in African trypanosomes. Journal of Biological Chemistry, 2020, 295, 8331-8347.	3.4	32
76	Multiple Genetic Mechanisms Lead to Loss of Functional TbAT1 Expression in Drug-Resistant Trypanosomes. Eukaryotic Cell, 2010, 9, 336-343.	3.4	30
77	Therapeutic Potential of Phosphodiesterase Inhibitors in Parasitic Diseases. Handbook of Experimental Pharmacology, 2011, , 487-510.	1.8	30
78	Pyrimidine Biosynthesis Is Not an Essential Function for Trypanosoma brucei Bloodstream Forms. PLoS ONE, 2013, 8, e58034.	2.5	30
79	Alternative oxidase inhibitors: Mitochondrionâ€targeting as a strategy for new drugs against pathogenic parasites and fungi. Medicinal Research Reviews, 2019, 39, 1553-1602.	10.5	30
80	The Secretion of ?40-MSH from Xenopus Melanotropes Involves Calcium Influx through ?-Conotoxin-Sensitive Voltage-Operated Calcium Channels. Journal of Neuroendocrinology, 1994, 6, 457-464.	2.6	29
81	Synthesis and evaluation of analogs of the phenylpyridazinone NPD-001 as potent trypanosomal TbrPDEB1 phosphodiesterase inhibitors and in vitro trypanocidals. Bioorganic and Medicinal Chemistry, 2016, 24, 1573-1581.	3.0	29
82	Trypanosoma brucei: expression of multiple purine transporters prevents the development of allopurinol resistance. Experimental Parasitology, 2005, 109, 80-86.	1.2	28
83	Predictive Computational Models of Substrate Binding by a Nucleoside Transporter. Journal of Biological Chemistry, 2009, 284, 34028-34035.	3.4	28
84	Uptake of purines in Plasmodium falciparum-infected human erythrocytes is mostly mediated by the human Equilibrative Nucleoside Transporter and the human Facilitative Nucleobase Transporter. Malaria Journal, 2010, 9, 36.	2.3	28
85	Exploiting the Achillesâ€™ heel of membrane trafficking in trypanosomes. Current Opinion in Microbiology, 2016, 34, 97-103.	5.1	28
86	Functional and structural analysis of AT-specific minor groove binders that disrupt DNAâ€“protein interactions and cause disintegration of the Trypanosoma brucei kinetoplast. Nucleic Acids Research, 2017, 45, 8378-8391.	14.5	28
87	Inhibition of trypanosome alternative oxidase without its N-terminal mitochondrial targeting signal (Î”MTS-TAO) by cationic and non-cationic 4-hydroxybenzoate and 4-alkoxybenzaldehyde derivatives active against T.Âbrucei and T.Âcongolense. European Journal of Medicinal Chemistry, 2018, 150, 385-402.	5.5	27
88	Trypanosoma brucei adenine-phosphoribosyltransferases mediate adenine salvage and aminopurinol susceptibility but not adenine toxicity. International Journal for Parasitology: Drugs and Drug Resistance, 2014, 4, 55-63.	3.4	26
89	Isolation of a Novel Flavanonol and an Alkylresorcinol with Highly Potent Anti-Trypanosomal Activity from Libyan propolis. Molecules, 2019, 24, 1041.	3.8	25
90	Potent Trypanocidal Curcumin Analogs Bearing a Monoenone Linker Motif Act on Trypanosoma brucei by Forming an Adduct with Trypanothione. Molecular Pharmacology, 2015, 87, 451-464.	2.3	24

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91	Lowering the p K a of a bisimidazoline lead with halogen atoms results in improved activity and selectivity against Trypanosoma brucei inÂvitro. European Journal of Medicinal Chemistry, 2015, 101, 806-817.	5.5	24
92	European propolis is highly active against trypanosomatids including Crithidia fasciculata. Scientific Reports, 2019, 9, 11364.	3.3	24
93	Validation of novel fluorescence assays for the routine screening of drug susceptibilities of Trichomonas vaginalis. Journal of Antimicrobial Chemotherapy, 2012, 67, 933-943.	3.0	23
94	Fragment-Based Screening in Tandem with Phenotypic Screening Provides Novel Antiparasitic Hits. Journal of Biomolecular Screening, 2015, 20, 131-140.	2.6	23
95	Purine and pyrimidine transporters of pathogenic protozoa â€“ conduits for therapeutic agents. Medicinal Research Reviews, 2020, 40, 1679-1714.	10.5	23
96	Comparative genomics of drug resistance in Trypanosoma brucei rhodesiense. Cellular and Molecular Life Sciences, 2016, 73, 3387-3400.	5.4	22
97	A highly selective, high-affinity transporter for uracil in Trypanosoma brucei brucei: evidence for proton-dependent transport. Biochemistry and Cell Biology, 1998, 76, 853-858.	2.0	22
98	Indirect Action of Elevated Potassium and Neuropeptide Y on Î±MSH Secretion from the Pars Intermedia of Xenopus laevis: A Biochemical and Morphological Study. Neuroendocrinology, 1991, 54, 68-76.	2.5	21
99	Discovery of Sustainable Drugs for Neglected Tropical Diseases: Cashew Nut Shell Liquid (CNSL)â€Based Hybrids Target Mitochondrial Function and ATP Production in Trypanosoma brucei. ChemMedChem, 2019, 14, 621-635.	3.2	21
100	A Review of the Antimalarial, Antitrypanosomal, and Antileishmanial Activities of Natural Compounds Isolated From Nigerian Flora. Frontiers in Chemistry, 2020, 8, 617448.	3.6	21
101	Structureâ€“Activity Relationship Exploration of 3â€²-Deoxy-7-deazapurine Nucleoside Analogues as Anti-Trypanosoma brucei Agents. ACS Infectious Diseases, 2020, 6, 2045-2056.	3.8	20
102	Dynamics of cyclic-AMP efflux in relation to Î±-MSH secretion from melanotrope cells of Xenopus laevis. Life Sciences, 1992, 51, 1667-1673.	4.3	19
103	Bioassay-guided isolation of active principles from Nigerian medicinal plants identifies new trypanocides with low toxicity and no cross-resistance to diamidines and arsenicals. Journal of Ethnopharmacology, 2017, 202, 256-264.	4.1	19
104	Targeting the Parasite's DNA with Methyltriazenyl Purine Analogs Is a Safe, Selective, and Efficacious Antitrypanosomal Strategy. Antimicrobial Agents and Chemotherapy, 2015, 59, 6708-6716.	3.2	18
105	Novel Minor Groove Binders Cure Animal African Trypanosomiasis in an in Vivo Mouse Model. Journal of Medicinal Chemistry, 2019, 62, 3021-3035.	6.4	18
106	Antitrypanosomal and Antileishmanial Activity of Chalcones and Flavanones from Polygonum salicifolium. Pathogens, 2021, 10, 175.	2.8	18
107	Cloning and characterisation of the Equilibrative Nucleoside Transporter family of Trypanosoma cruzi: ultra-high affinity and selectivity to survive in the intracellular niche. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 2750-2763.	2.4	17
108	Cyclic Nucleotide-Specific Phosphodiesterases as Potential Drug Targets for Anti-Leishmania Therapy. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	17

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109	Genotypic Status of the TbAT1/P2 Adenosine Transporter of Trypanosoma brucei gambiense Isolates from Northwestern Uganda following Melarsoprol Withdrawal. PLoS Neglected Tropical Diseases, 2009, 3, e523.	3.0	16
110	9-(2â€²-Deoxy-2â€²-Fluoro-Î²- <scp>d</scp> -Arabinofuranosyl) Adenine Is a Potent Antitrypanosomal Adenosine Analogue That Circumvents Transport-Related Drug Resistance. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	16
111	The single cyclic nucleotide-specific phosphodiesterase of the intestinal parasite Giardia lamblia represents a potential drug target. PLoS Neglected Tropical Diseases, 2017, 11, e0005891.	3.0	16
112	Trypanosoma brucei bloodstream forms express highly specific and separate transporters for adenine and hypoxanthine; evidence for a new protozoan purine transporter family?. Molecular and Biochemical Parasitology, 2018, 220, 46-56.	1.1	16
113	Positively selected modifications in the pore of TbAQP2 allow pentamidine to enter Trypanosoma brucei. ELife, 2020, 9, .	6.0	16
114	Imidazole Derivatives as Promising Agents for the Treatment of Chagas Disease. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	15
115	Pyrimidine transporters of trypanosomes â€“ a class apart?. Trends in Parasitology, 2007, 23, 190.	3.3	14
116	Potent Antitrypanosomal Activities of 3-Aminosteroids against African Trypanosomes: Investigation of Cellular Effects and of Cross-Resistance with Existing Drugs. Molecules, 2019, 24, 268.	3.8	14
117	Deazapurine Nucleoside Analogues for the Treatment of Trichomonas vaginalis. ACS Infectious Diseases, 2021, 7, 1752-1764.	3.8	14
118	Diminazene resistance in Trypanosoma congolense is not caused by reduced transport capacity but associated with reduced mitochondrial membrane potential. Molecular Microbiology, 2021, 116, 564-588.	2.5	14
119	Evaluation of the antiprotozoan properties of 5â€²-norcarbocyclic pyrimidine nucleosides. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3081-3086.	2.2	13
120	SAR of 4-Alkoxybenzoic Acid Inhibitors of the Trypanosome Alternative Oxidase. ACS Medicinal Chemistry Letters, 2018, 9, 923-928.	2.8	13
121	Alkynamide phthalazinones as a new class of TbrPDEB1 inhibitors. Bioorganic and Medicinal Chemistry, 2019, 27, 3998-4012.	3.0	13
122	Activity of Compounds from Temperate Propolis against Trypanosoma brucei and Leishmania mexicana. Molecules, 2021, 26, 3912.	3.8	13
123	Design and Synthesis of a Series of Truncated Neplanocin Fleximers. Molecules, 2014, 19, 21200-21214.	3.8	12
124	A New NonpolarN-Hydroxy Imidazoline Lead Compound with Improved Activity in a Murine Model of Late-Stage Trypanosoma brucei brucei Infection Is Not Cross-Resistant with Diamidines. Antimicrobial Agents and Chemotherapy, 2015, 59, 890-904.	3.2	12
125	Multi-target mode of action of a Clerodane-type diterpenoid from Polyalthia longifolia targeting African trypanosomes. Scientific Reports, 2018, 8, 4613.	3.3	12
126	Investigation of 5â€™-Norcarbocyclic Nucleoside Analogues as Antiprotozoal and Antibacterial Agents. Molecules, 2019, 24, 3433.	3.8	12

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127	Biosynthesis and uptake of thiamine (vitamin B1) in bloodstream form Trypanosoma brucei brucei and interference of the vitamin with melarsen oxide activity. International Journal for Parasitology, 2006, 36, 229-236.	3.1	11
128	Antitrypanosomal Activity of a Novel Taccalonolide from the Tubers of Tacca leontopetaloides. Phytochemical Analysis, 2016, 27, 217-221.	2.4	11
129	Alkynamide phthalazinones as a new class of TbrPDEB1 inhibitors (Part 2). Bioorganic and Medicinal Chemistry, 2019, 27, 4013-4029.	3.0	11
130	Divergent metabolism between Trypanosoma congolense and Trypanosoma brucei results in differential sensitivity to metabolic inhibition. PLoS Pathogens, 2021, 17, e1009734.	4.7	11
131	Screening of a PDE-focused library identifies imidazoles with in vitro and in vivo antischistosomal activity. International Journal for Parasitology: Drugs and Drug Resistance, 2019, 9, 35-43.	3.4	10
132	A Toxoplasma gondii Oxopurine Transporter Binds Nucleobases and Nucleosides Using Different Binding Modes. International Journal of Molecular Sciences, 2022, 23, 710.	4.1	10
133	Dual Action of GABA_A Receptors on the Secretory Process of Melanotrophs of <i>Xenopus laevis</i>. Neuroendocrinology, 1993, 58, 80-85.	2.5	9
134	A fluorescence-based assay for the uptake of CPD0801 (DB829) by African trypanosomes. Molecular and Biochemical Parasitology, 2010, 174, 145-149.	1.1	9
135	Trypanosoma brucei Methylthioadenosine Phosphorylase Protects the Parasite from the Antitrypanosomal Effect of Deoxyadenosine. Journal of Biological Chemistry, 2016, 291, 11717-11726.	3.4	9
136	Efficacy of Novel Pyrazolone Phosphodiesterase Inhibitors in Experimental Mouse Models of Trypanosoma cruzi. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	9
137	Instability of aquaglyceroporin (AQP) 2 contributes to drug resistance in Trypanosoma brucei. PLoS Neglected Tropical Diseases, 2020, 14, e0008458.	3.0	9
138	Two New Antiprotozoal Diterpenes From the Roots of Acacia nilotica. Frontiers in Chemistry, 2021, 9, 624741.	3.6	9
139	Antiparasitic and Cytotoxic Activity of Bokkosin, A Novel Diterpene-Substituted Chromanyl Benzoquinone From Calliandra portoricensis. Frontiers in Chemistry, 2020, 8, 574103.	3.6	9
140	Comprehensive characterization of purine and pyrimidine transport activities in Trichomonas vaginalis and functional cloning of a trichomonad nucleoside transporter. Molecular Microbiology, 2021, 116, 1489-1511.	2.5	9
141	Nucleoside analogues for the treatment of animal trypanosomiasis. International Journal for Parasitology: Drugs and Drug Resistance, 2022, 19, 21-30.	3.4	9
142	In and out of the minor groove: interaction of an AT-rich DNA with the drug CD27. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 1614-1621.	2.5	8
143	Discovery of novel Schistosoma mansoni PDE4A inhibitors as potential agents against schistosomiasis. Future Medicinal Chemistry, 2019, 11, 1703-1720.	2.3	8
144	Evaluation of phthalazinone phosphodiesterase inhibitors with improved activity and selectivity against Trypanosoma cruzi. Journal of Antimicrobial Chemotherapy, 2020, 75, 958-967.	3.0	8

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145	Novel flavanones with anti-trypanosomal activity isolated from Zambian and Tanzanian propolis samples. International Journal for Parasitology: Drugs and Drug Resistance, 2020, 14, 201-207.	3.4	8
146	Differences in Transporters Rather than Drug Targets Are the Principal Determinants of the Different Innate Sensitivities of Trypanosoma congolense and Trypanozoon Subgenus Trypanosomes to Diamidines and Melaminophenyl Arsenicals. International Journal of Molecular Sciences, 2022, 23, 2844.	4.1	8
147	SAR Studies of Diphenyl Cationic Trypanocides: Superior Activity of Phosphonium over Ammonium Salts. ACS Medicinal Chemistry Letters, 2015, 6, 151-155.	2.8	7
148	The Strong Anti-Kinetoplastid Properties of Bee Propolis: Composition and Identification of the Active Agents and Their Biochemical Targets. Molecules, 2020, 25, 5155.	3.8	7
149	Protocols for the Routine Screening of Drug Sensitivity in the Human Parasite Trichomonas vaginalis. Methods in Molecular Biology, 2015, 1263, 103-110.	0.9	7
150	Synthesis of Marine-Derived 3-Alkylpyridinium Alkaloids with Potent Antiprotozoal Activity. ACS Medicinal Chemistry Letters, 2011, 2, 901-906.	2.8	6
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