Alan H Fairlamb

List of Publications by Year
in descending order

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272	24,758	11235	9605
papers	citations	73 h-index	147 g-index

287	287	287	18044
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multiple unbiased approaches identify oxidosqualene cyclase as the molecular target of a promising anti-leishmanial. Cell Chemical Biology, 2021, 28, 711-721.e8.	2.5	11
2	Monocyclic Nitro-heteroaryl Nitrones with Dual Mechanism of Activation: Synthesis and Antileishmanial Activity. ACS Medicinal Chemistry Letters, 2021, 12, 1405-1412.	1.3	9
3	Surmounting structural barriers to tackle endemic infectious diseases. Journal of Experimental Medicine, 2021, 218, .	4.2	1
4	Tres Cantos Open Lab: celebrating a decade of innovation in collaboration to combat endemic infectious diseases. Nature Reviews Drug Discovery, 2021, 20, 799-800.	21.5	2
5	Antikinetoplastid SAR study in 3-nitroimidazopyridine series: Identification of a novel non-genotoxic and potent anti-T.Âb. brucei hit-compound with improved pharmacokinetic properties. European Journal of Medicinal Chemistry, 2020, 206, 112668.	2.6	11
6	8-Alkynyl-3-nitroimidazopyridines display potent antitrypanosomal activity against both T.Âb. brucei and cruzi. European Journal of Medicinal Chemistry, 2020, 202, 112558.	2.6	15
7	New 8-Nitroquinolinone Derivative Displaying Submicromolar in Vitro Activities against Both Trypanosoma brucei and cruzi. ACS Medicinal Chemistry Letters, 2020, 11, 464-472.	1.3	8
8	The Q_i Site of Cytochrome b is a Promiscuous Drug Target in Trypanosoma cruzi and Leishmania donovani. ACS Infectious Diseases, 2020, 6, 515-528.	1.8	23
9	Discovery of an Allosteric Binding Site in Kinetoplastid Methionyl-tRNA Synthetase. ACS Infectious Diseases, 2020, 6, 1044-1057.	1.8	11
10	Substituted Aminoacetamides as Novel Leads for Malaria Treatment. ChemMedChem, 2019, 14, 1329-1335.	1.6	5
11	Lysyl-tRNA synthetase as a drug target in malaria and cryptosporidiosis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7015-7020.	3.3	94
12	Preclinical candidate for the treatment of visceral leishmaniasis that acts through proteasome inhibition. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9318-9323.	3.3	119
13	Nongenotoxic 3-Nitroimidazo[1,2-a]pyridines Are NTR1 Substrates That Display Potent in Vitro Antileishmanial Activity. ACS Medicinal Chemistry Letters, 2019, 10, 34-39.	1.3	31
14	Pharmacological Validation of N-Myristoyltransferase as a Drug Target in Leishmania donovani. ACS Infectious Diseases, 2019, 5, 111-122.	1.8	55
15	Fexinidazole for the treatment of human African trypanosomiasis. Drugs of Today, 2019, 55, 705.	0.7	18
16	Current and Future Prospects of Nitro-compounds as Drugs for Trypanosomiasis and Leishmaniasis. Current Medicinal Chemistry, 2019, 26, 4454-4475.	1.2	41
17	Development of Chemical Proteomics for the Folateome and Analysis of the Kinetoplastid Folateome. ACS Infectious Diseases, 2018, 4, 1475-1486.	1.8	1
18	Antitrypanosomatid Pharmacomodulation at Position 3 of the 8â€Nitroquinolinâ€2(1H)â€one Scaffold Using Palladiumâ€Catalysed Crossâ€Coupling Reactions. ChemMedChem, 2018, 13, 2217-2228.	1.6	8

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19	Melarsoprol Resistance in African Trypanosomiasis. Trends in Parasitology, 2018, 34, 481-492.	1.5	93
20	Characterisation of a putative glutamate 5â€kinase from Leishmania donovani. FEBS Journal, 2018, 285, 2662-2678.	2.2	8
21	Antitrypanosomal 8-Hydroxy-Naphthyridines Are Chelators of Divalent Transition Metals. Antimicrobial Agents and Chemotherapy, 2018, 62, .	1.4	12
22	8-Aryl-6-chloro-3-nitro-2-(phenylsulfonylmethyl)imidazo[1,2-a]pyridines as potent antitrypanosomatid molecules bioactivated by type 1 nitroreductases. European Journal of Medicinal Chemistry, 2018, 157, 115-126.	2.6	19
23	A role for trypanosomatid aldo-keto reductases in methylglyoxal, prostaglandin and isoprostane metabolism. Biochemical Journal, 2018, 475, 2593-2610.	1.7	12
24	Cyclin-dependent kinase 12 is a drug target for visceral leishmaniasis. Nature, 2018, 560, 192-197.	13.7	112
25	Novel 8-nitroquinolin-2(1H)-ones as NTR-bioactivated antikinetoplastid molecules: Synthesis, electrochemical and SAR study. European Journal of Medicinal Chemistry, 2018, 155, 135-152.	2.6	19
26	Anti-trypanosomatid drug discovery: an ongoing challenge and a continuing need. Nature Reviews Microbiology, 2017, 15, 217-231.	13.6	315
27	Chemical Validation of Methionyl-tRNA Synthetase as a Druggable Target in Leishmania donovani. ACS Infectious Diseases, 2017, 3, 718-727.	1.8	22
28	Biochemical and Structural Characterization of Selective Allosteric Inhibitors of the Plasmodium falciparum Drug Target, Prolyl-tRNA-synthetase. ACS Infectious Diseases, 2017, 3, 34-44.	1.8	45
29	Screening a protein kinase inhibitor library against Plasmodium falciparum. Malaria Journal, 2017, 16, 446.	0.8	12
30	Activation of Bicyclic Nitro-drugs by a Novel Nitroreductase (NTR2) in Leishmania. PLoS Pathogens, 2016, 12, e1005971.	2.1	73
31	Discovery of a Quinoline-4-carboxamide Derivative with a Novel Mechanism of Action, Multistage Antimalarial Activity, and Potent in Vivo Efficacy. Journal of Medicinal Chemistry, 2016, 59, 9672-9685.	2.9	66
32	The Role of Folate Transport in Antifolate Drug Action in Trypanosoma brucei. Journal of Biological Chemistry, 2016, 291, 24768-24778.	1.6	21
33	The N-myristoylome of Trypanosoma cruzi. Scientific Reports, 2016, 6, 31078.	1.6	20
34	Drug resistance in eukaryotic microorganisms. Nature Microbiology, 2016, 1, 16092.	5.9	118
35	Trisubstituted Pyrimidines as Efficacious and Fast-Acting Antimalarials. Journal of Medicinal Chemistry, 2016, 59, 6101-6120.	2.9	13
36	Open Lab as a source of hits and leads against tuberculosis, malaria and kinetoplastid diseases. Nature Reviews Drug Discovery, 2016, 15, 292-292.	21.5	10

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37	Nitroheterocyclic drug resistance mechanisms inTrypanosoma brucei. Journal of Antimicrobial Chemotherapy, 2016, 71, 625-634.	1.3	65
38	Pentacyclic nitrofurans that rapidly kill nifurtimox-resistant trypanosomes. Journal of Antimicrobial Chemotherapy, 2016, 71, 956-963.	1.3	5
39	Trypanosoma brucei DHFR-TS Revisited: Characterisation of a Bifunctional and Highly Unstable Recombinant Dihydrofolate Reductase-Thymidylate Synthase. PLoS Neglected Tropical Diseases, 2016, 10, e0004714.	1.3	23
40	The anti-tubercular drug delamanid as a potential oral treatment for visceral leishmaniasis. ELife, 2016, 5, .	2.8	67
41	Homoserine and quorumâ€sensing acyl homoserine lactones as alternative sources of threonine: a potential role for homoserine kinase in insectâ€stage Trypanosoma brucei. Molecular Microbiology, 2015, 95, 143-156.	1.2	18
42	Synthesis, biological profiling and mechanistic studies of 4-aminoquinoline-based heterodimeric compounds with dual trypanocidalâ€“antiplasmodial activity. Bioorganic and Medicinal Chemistry, 2015, 23, 5156-5167.	1.4	14
43	Arsenic, antimony, and Leishmania: has arsenic contamination of drinking water in India led to treatment- resistant kala-azar?. Lancet, The, 2015, 385, S80.	6.3	21
44	A novel multiple-stage antimalarial agent that inhibits protein synthesis. Nature, 2015, 522, 315-320.	13.7	353
45	Arsenic Exposure and Outcomes of Antimonial Treatment in Visceral Leishmaniasis Patients in Bihar, India: A Retrospective Cohort Study. PLoS Neglected Tropical Diseases, 2015, 9, e0003518.	1.3	37
46	TrypanoCyc: a community-led biochemical pathways database for Trypanosoma brucei. Nucleic Acids Research, 2015, 43, D637-D644.	6.5	35
47	Genomic and Proteomic Studies on the Mode of Action of Oxaboroles against the African Trypanosome. PLoS Neglected Tropical Diseases, 2015, 9, e0004299.	1.3	34
48	Biochemical and genetic characterization ofTrypanosoma cruzi N-myristoyltransferase. Biochemical Journal, 2014, 459, 323-332.	1.7	28
49	Erratum for De Rycker et al., Comparison of a High-Throughput High-Content Intracellular Leishmania donovani Assay with an Axenic Amastigote Assay. Antimicrobial Agents and Chemotherapy, 2014, 58, 7622-7622.	1.4	1
50	Lead Optimization of a Pyrazole Sulfonamide Series of Trypanosoma brucei N-Myristoyltransferase Inhibitors: Identification and Evaluation of CNS Penetrant Compounds as Potential Treatments for Stage 2 Human African Trypanosomiasis. Journal of Medicinal Chemistry, 2014, 57, 9855-9869.	2.9	57
51	Norspermidine Is Not a Self-Produced Trigger for Biofilm Disassembly. Cell, 2014, 156, 844-854.	13.5	65
52	The R Enantiomer of the Antitubercular Drug PA-824 as a Potential Oral Treatment for Visceral Leishmaniasis. Antimicrobial Agents and Chemotherapy, 2013, 57, 4699-4706.	1.4	62
53	Comparison of a High-Throughput High-Content Intracellular Leishmania donovani Assay with an Axenic Amastigote Assay. Antimicrobial Agents and Chemotherapy, 2013, 57, 2913-2922.	1.4	135
54	Assessing the Essentiality of Leishmania donovani Nitroreductase and Its Role in Nitro Drug Activation. Antimicrobial Agents and Chemotherapy, 2013, 57, 901-906.	1.4	50

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55	Chronic exposure to arsenic in drinking water can lead to resistance to antimonial drugs in a mouse model of visceral leishmaniasis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19932-19937.	3.3	54
56	<scp>T</scp>rypanosoma brucei (<scp>UMP</scp> synthase null mutants) are avirulent in mice, but recover virulence upon prolonged culture in vitro while retaining pyrimidine auxotrophy. Molecular Microbiology, 2013, 90, 443-455.	1.2	21
57	Allosteric Activation of Trypanosomatid Deoxyhypusine Synthase by a Catalytically Dead Paralog. Journal of Biological Chemistry, 2013, 288, 15256-15267.	1.6	44
58	A Static-Cidal Assay for Trypanosoma brucei to Aid Hit Prioritisation for Progression into Drug Discovery Programmes. PLoS Neglected Tropical Diseases, 2012, 6, e1932.	1.3	30
59	The Anti-Trypanosome Drug Fexinidazole Shows Potential for Treating Visceral Leishmaniasis. Science Translational Medicine, 2012, 4, 119re1.	5.8	126
60	Genomics decodes drug action. Nature, 2012, 482, 167-169.	13.7	9
61	Chemical, genetic and structural assessment of pyridoxal kinase as a drug target in the African trypanosome. Molecular Microbiology, 2012, 86, 51-64.	1.2	30
62	Discovery of a Novel Class of Orally Active Trypanocidal N-Myristoyltransferase Inhibitors. Journal of Medicinal Chemistry, 2012, 55, 140-152.	2.9	102
63	Quinol derivatives as potential trypanocidal agents. Bioorganic and Medicinal Chemistry, 2012, 20, 1607-1615.	1.4	17
64	Design, Synthesis and Biological Evaluation of Trypanosoma brucei Trypanothione Synthetase Inhibitors. ChemMedChem, 2012, 7, 95-106.	1.6	42
65	Antimicrobial drug discovery. Future Microbiology, 2011, 6, 601-602.	1.0	2
66	Dihydroquinazolines as a Novel Class of Trypanosoma brucei Trypanothione Reductase Inhibitors: Discovery, Synthesis, and Characterization of their Binding Mode by Protein Crystallography. Journal of Medicinal Chemistry, 2011, 54, 6514-6530.	2.9	110
67	Methylglyoxal metabolism in trypanosomes and leishmania. Seminars in Cell and Developmental Biology, 2011, 22, 271-277.	2.3	46
68	Target Validation: Linking Target and Chemical Properties to Desired Product Profile. Current Topics in Medicinal Chemistry, 2011, 11, 1275-1283.	1.0	99
69	Triclosan is minimally effective in rodent malaria models. Nature Medicine, 2011, 17, 33-34.	15.2	17
70	Synthesis and Evaluation of Indatralineâ€Based Inhibitors for Trypanothione Reductase. ChemMedChem, 2011, 6, 321-328.	1.6	19
71	Design, Synthesis and Biological Evaluation of Novel Inhibitors of Trypanosoma brucei Pteridine Reductaseâ€...1. ChemMedChem, 2011, 6, 302-308.	1.6	39
72	Optimisation of the Antiâ€Trypanosoma brucei Activity of the Opioid Agonist U50488. ChemMedChem, 2011, 6, 1832-1840.	1.6	7

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73	Dissecting the Metabolic Roles of Pteridine Reductase 1 in Trypanosoma brucei and Leishmania major. Journal of Biological Chemistry, 2011, 286, 10429-10438.	1.6	47
74	Antitumor Quinol PMX464 Is a Cytocidal Anti-trypanosomal Inhibitor Targeting Trypanothione Metabolism. Journal of Biological Chemistry, 2011, 286, 8523-8533.	1.6	31
75	Visceral Leishmaniasis and Arsenic: An Ancient Poison Contributing to Antimonial Treatment Failure in the Indian Subcontinent?. PLoS Neglected Tropical Diseases, 2011, 5, e1227.	1.3	45
76	Comparative structural, kinetic and inhibitor studies of Trypanosoma brucei trypanothione reductase with T. cruzi. Molecular and Biochemical Parasitology, 2010, 169, 12-19.	0.5	54
77	Elevated levels of tryparedoxin peroxidase in antimony unresponsive Leishmania donovani field isolates. Molecular and Biochemical Parasitology, 2010, 173, 162-164.	0.5	69
78	Identification of a Î¹-opioid agonist as a potent and selective lead for drug development against human African trypanosomiasis. Biochemical Pharmacology, 2010, 80, 1478-1486.	2.0	69
79	Development and validation of a cytochrome c-coupled assay for pteridine reductase 1 and dihydrofolate reductase. Analytical Biochemistry, 2010, 396, 194-203.	1.1	23
80	Trypanosoma brucei pteridine reductase 1 is essential for survival in vitro and for virulence in mice. Molecular Microbiology, 2010, 77, 658-671.	1.2	46
81	N-myristoyltransferase inhibitors as new leads to treat sleeping sickness. Nature, 2010, 464, 728-732.	13.7	272
82	Cross-Resistance to Nitro Drugs and Implications for Treatment of Human African Trypanosomiasis. Antimicrobial Agents and Chemotherapy, 2010, 54, 2893-2900.	1.4	112
83	Chemical Validation of Trypanothione Synthetase. Journal of Biological Chemistry, 2009, 284, 36137-36145.	1.6	68
84	Improved Tricyclic Inhibitors of Trypanothione Reductase by Screening and Chemical Synthesis. ChemMedChem, 2009, 4, 1333-1340.	1.6	63
85	Synthesis and Evaluation of 1â€(1â€(Benzo[b]thiophenâ€2â€yl)cyclohexyl)piperidine (BTCP) Analogues as Inhibitors of Trypanothione Reductase. ChemMedChem, 2009, 4, 1341-1353.	1.6	45
86	Investigation of Trypanothione Reductase as a Drug Target in Trypanosoma brucei. ChemMedChem, 2009, 4, 2060-2069.	1.6	54
87	Dissecting the essentiality of the bifunctional trypanothione synthetaseâ€amidase in Trypanosoma brucei using chemical and genetic methods. Molecular Microbiology, 2009, 74, 529-540.	1.2	71
88	A comparative study of methylglyoxal metabolism in trypanosomatids. FEBS Journal, 2009, 276, 376-386.	2.2	77
89	Development of a Novel Virtual Screening Cascade Protocol to Identify Potential Trypanothione Reductase Inhibitors. Journal of Medicinal Chemistry, 2009, 52, 1670-1680.	2.9	50
90	One Scaffold, Three Binding Modes: Novel and Selective Pteridine Reductase 1 Inhibitors Derived from Fragment Hits Discovered by Virtual Screening. Journal of Medicinal Chemistry, 2009, 52, 4454-4465.	2.9	96

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91	Trypanothione Reductase High-Throughput Screening Campaign Identifies Novel Classes of Inhibitors with Antiparasitic Activity. Antimicrobial Agents and Chemotherapy, 2009, 53, 2824-2833.	1.4	67
92	ATPâ€dependent ligases in trypanothione biosynthesis â€“ kinetics of catalysis and inhibition by phosphinic acid pseudopeptides. FEBS Journal, 2008, 275, 5408-5421.	2.2	25
93	Chemical and genetic validation of dihydrofolate reductaseâ€“thymidylate synthase as a drug target in African trypanosomes. Molecular Microbiology, 2008, 69, 520-533.	1.2	63
94	Roles of Trypanothione S -Transferase and Tryparedoxin Peroxidase in Resistance to Antimonials. Antimicrobial Agents and Chemotherapy, 2008, 52, 1359-1365.	1.4	73
95	Leishmania Trypanothione Synthetase-Amidase Structure Reveals a Basis for Regulation of Conflicting Synthetic and Hydrolytic Activities. Journal of Biological Chemistry, 2008, 283, 17672-17680.	1.6	86
96	Kinetoplastids: related protozoan pathogens, different diseases. Journal of Clinical Investigation, 2008, 118, 1301-1310.	3.9	460
97	Structural and mechanistic insights into typeÂII trypanosomatid tryparedoxin-dependent peroxidases. Biochemical Journal, 2008, 414, 375-381.	1.7	24
98	Enzymatic Inhibitory Activity and Trypanocidal Effects of Extracts and Compounds from Siphoneugena densiflora O. Berg and Vitex polygama Cham.. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2008, 63, 371-382.	0.6	16
99	Inhibition of trypanothione reductase and glutathione reductase by ferrocenic 4-aminoquinoline ureas. Arkivoc, 2008, 2008, 52-60.	0.3	7
100	Increased levels of thiols protect antimony unresponsiveLeishmania donovanifield isolates against reactive oxygen species generated by trivalent antimony. Parasitology, 2007, 134, 1679-1687.	0.7	94
101	Bis-Acridines as Lead Antiparasitic Agents: Structure-Activity Analysis of a Discrete Compound Library In Vitro. Antimicrobial Agents and Chemotherapy, 2007, 51, 2164-2172.	1.4	26
102	A comparative study of typeâ€ƒI and typeâ€ƒII tryparedoxin peroxidases in Leishmania major. FEBS Journal, 2007, 274, 5643-5658.	2.2	35
103	Target assessment for antiparasitic drug discovery. Trends in Parasitology, 2007, 23, 589-595.	1.5	130
104	Discovery of 2-iminobenzimidazoles as a new class of trypanothione reductase inhibitor by high-throughput screening. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 1422-1427.	1.0	49
105	High-throughput screening affords novel and selective trypanothione reductase inhibitors with anti-trypanosomal activity. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 1280-1283.	1.0	40
106	Drug Resistance in Leishmaniasis. Clinical Microbiology Reviews, 2006, 19, 111-126.	5.7	1,374
107	Kinetic, inhibition and structural studies on 3-oxoacyl-ACP reductase from Plasmodium falciparum, a key enzyme in fatty acid biosynthesis. Biochemical Journal, 2006, 393, 447-457.	1.7	72
108	Refinement of techniques for the propagation of Leishmania donovani in hamsters. Acta Tropica, 2006, 97, 364-369.	0.9	21

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109	Trypanothione-dependent glyoxalase I in Trypanosoma cruzi. Biochemical Journal, 2006, 400, 217-223.	1.7	48
110	Specificity of the trypanothione-dependent Leishmania major glyoxalase I: structure and biochemical comparison with the human enzyme. Molecular Microbiology, 2006, 59, 1239-1248.	1.2	76
111	Structure and reactivity of Trypanosoma brucei pteridine reductase: inhibition by the archetypal antifolate methotrexate. Molecular Microbiology, 2006, 61, 1457-1468.	1.2	57
112	Time-dependent inhibitors of trypanothione reductase: Analogues of the spermidine alkaloid lunarine and related natural products. Bioorganic and Medicinal Chemistry, 2006, 14, 2266-2278.	1.4	31
113	Differential toxicity of antimonial compounds and their effects on glutathione homeostasis in a human leukaemia monocyte cell line. Biochemical Pharmacology, 2006, 71, 257-267.	2.0	72
114	Mapping the functional synthetase domain of trypanothione synthetase from Leishmania major. Molecular and Biochemical Parasitology, 2006, 149, 117-120.	0.5	8
115	Phenotypic analysis of trypanothione synthetase knockdown in the African trypanosome. Biochemical Journal, 2005, 391, 425-432.	1.7	69
116	Very Short and Efficient Syntheses of the Spermine Alkaloid Kukoamine A and Analogs Using Isolable Succinimidyl Cinnamates. Chemistry Letters, 2005, 34, 264-265.	0.7	15
117	Trypanothione biosynthesis in Leishmania major. Molecular and Biochemical Parasitology, 2005, 139, 107-116.	0.5	82
118	Crystallization and preliminary X-ray analysis ofLeishmania majorglyoxalase I. Acta Crystallographica Section F: Structural Biology Communications, 2005, 61, 769-772.	0.7	10
119	MYST Family Histone Acetyltransferases in the Protozoan Parasite Toxoplasma gondii. Eukaryotic Cell, 2005, 4, 2057-2065.	3.4	42
120	The Genome of the African Trypanosome Trypanosoma brucei. Science, 2005, 309, 416-422.	6.0	1,496
121	Leishmania major Elongation Factor 1B Complex Has Trypanothione S-Transferase and Peroxidase Activity. Journal of Biological Chemistry, 2004, 279, 49003-49009.	1.6	53
122	Trypanothione S-Transferase Activity in a Trypanosomatid Ribosomal Elongation Factor 1B. Journal of Biological Chemistry, 2004, 279, 27246-27256.	1.6	56
123	Dual Action of Antimonial Drugs on Thiol Redox Metabolism in the Human Pathogen Leishmania donovani. Journal of Biological Chemistry, 2004, 279, 39925-39932.	1.6	258
124	A trypanothione-dependent glyoxalase I with a prokaryotic ancestry in Leishmania major. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13186-13191.	3.3	87
125	Two Interacting Binding Sites for Quinacrine Derivatives in the Active Site of Trypanothione Reductase. Journal of Biological Chemistry, 2004, 279, 29493-29500.	1.6	97
126	Chemotherapy of human African trypanosomiasis: current and future prospects. Trends in Parasitology, 2003, 19, 488-494.	1.5	292

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127	Properties of trypanothione synthetase from Trypanosoma brucei. Molecular and Biochemical Parasitology, 2003, 131, 25-33.	0.5	57
128	Exploring the potential of xanthene derivatives as trypanothione reductase inhibitors and chloroquine potentiating agents. Tetrahedron, 2003, 59, 2289-2296.	1.0	161
129	Benzofuranyl 3,5-bis-Polyamine derivatives as time-Dependent inhibitors of trypanothione reductase. Bioorganic and Medicinal Chemistry, 2003, 11, 3683-3693.	1.4	27
130	Molecular mimicry of a CCR5 binding-domain in the microbial activation of dendritic cells. Nature Immunology, 2003, 4, 485-490.	7.0	215
131	Ellman's-reagent-mediated regeneration of trypanothione in situ: substrate-economical microplate and time-dependent inhibition assays for trypanothione reductase. Biochemical Journal, 2003, 369, 529-537.	1.7	92
132	Tryparedoxins from Crithidia fasciculata and Trypanosoma brucei. Journal of Biological Chemistry, 2003, 278, 25919-25925.	1.6	43
133	Bis(glutathionyl)spermine and Other Novel Trypanothione Analogues in Trypanosoma cruzi. Journal of Biological Chemistry, 2003, 278, 27612-27619.	1.6	57
134	Properties of Phosphoenolpyruvate Mutase, the First Enzyme in the Aminoethylphosphonate Biosynthetic Pathway in Trypanosoma cruzi. Journal of Biological Chemistry, 2003, 278, 22703-22708.	1.6	19
135	8-Methoxy-naphtho[2,3-b]thiophen-4,9-quinone, a non-competitive inhibitor of trypanothione reductase. Memorias Do Instituto Oswaldo Cruz, 2003, 98, 565-568.	0.8	14
136	A Single Enzyme Catalyses Formation of Trypanothione from Glutathione and Spermidine in Trypanosoma cruzi. Journal of Biological Chemistry, 2002, 277, 35853-35861.	1.6	110
137	Characterization of recombinant glutathionylspermidine synthetase/amidase from Crithidia fasciculata. Biochemical Journal, 2002, 364, 679-686.	1.7	48
138	Regiocontrolled synthesis of the macrocyclic polyamine alkaloid (Â±)-lunarine, a time-dependent inhibitor of trypanothione reductase. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 1115-1123.	1.3	20
139	Metabolic pathway analysis in trypanosomes and malaria parasites. Philosophical Transactions of the Royal Society B: Biological Sciences, 2002, 357, 101-107.	1.8	25
140	A new expression vector for Crithidia fasciculata and Leishmania. Molecular and Biochemical Parasitology, 2002, 120, 195-204.	0.5	63
141	Peptoid inhibition of trypanothione reductase as a potential antitrypanosomal and antileishmanial drug lead. Amino Acids, 2002, 22, 297-308.	1.2	18
142	Glutathione-like tripeptides as inhibitors of glutathionylspermidine synthetase. Part 1: Substitution of the glycine carboxylic acid group. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 2553-2556.	1.0	24
143	Trypanosomes lacking trypanothione reductase are avirulent and show increased sensitivity to oxidative stress. Molecular Microbiology, 2002, 35, 542-552.	1.2	310
144	Computer assisted design of potentially active anti-trypanosomal compounds. Computational and Theoretical Chemistry, 2002, 584, 95-105.	1.5	14

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145	Genome sequence of the human malaria parasite Plasmodium falciparum. Nature, 2002, 419, 498-511.	13.7	3,881
146	Glutathione-like tripeptides as inhibitors of glutathionylspermidine synthetase. Part 2: Substitution of the glycine part. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 2703-2705.	1.0	19
147	Trypanosoma Cruzitrypanothione reductase is inactivated by peroxidase-generated phenothiazine cationic radicals. Free Radical Research, 2001, 34, 363-378.	1.5	41
148	Specific peptide inhibitors of trypanothione reductase with backbone structures unrelated to that of substrate: potential rational drug design lead frameworks. Amino Acids, 2001, 20, 145-153.	1.2	15
149	Antiprotozoal and cytotoxicity evaluation of sulfonamide and urea analogues of quinacrine. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 2655-2657.	1.0	85
150	Cloning of a pyruvate phosphate dikinase from Trypanosoma cruzi. Molecular and Biochemical Parasitology, 2001, 112, 183-191.	0.5	14
151	Ovothiol and trypanothione as antioxidants in trypanosomatids. Molecular and Biochemical Parasitology, 2001, 115, 189-198.	0.5	171
152	Molecular characterisation of mitochondrial and cytosolic trypanothione-dependent tryparedoxin peroxidases in Trypanosoma brucei. Molecular and Biochemical Parasitology, 2001, 116, 171-183.	0.5	75
153	Synthesis and evaluation of 9,9-dimethylxanthene tricyclics against trypanothione reductase, Trypanosoma brucei , Trypanosoma cruzi and Leishmania donovani. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 1147-1150.	1.0	20
154	Cloning, expression and functional characterisation of a peroxiredoxin from the potato cyst nematode Globodera rostochiensis. Molecular and Biochemical Parasitology, 2000, 111, 41-49.	0.5	104
155	Uptake of the nitroimidazole drug megazol by African trypanosomes. Biochemical Pharmacology, 2000, 59, 615-620.	2.0	27
156	The three-dimensional structure of a Plasmodium falciparum cyclophilin in complex with the potent anti-malarial cyclosporin A. Journal of Molecular Biology, 2000, 298, 123-133.	2.0	39
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