Alan H Fairlamb

List of Publications by Year in Descending Order

269 papers	21,253 citations	68 h-index	138 g-index
287 ext. papers	23,104 ext. citations	7.5 avg, IF	6.47 L-index

#	Paper	IF	Citations
269	Multiple unbiased approaches identify oxidosqualene cyclase as the molecular target of a promising anti-leishmanial. *Cell Chemical Biology*, **2021**, 28, 711-721.e8	8.2	4
268	Monocyclic Nitro-heteroaryl Nitrones with Dual Mechanism of Activation: Synthesis and Antileishmanial Activity. *ACS Medicinal Chemistry Letters*, **2021**, 12, 1405-1412	4.3	2
267	8-Alkynyl-3-nitroimidazopyridines display potent antitrypanosomal activity against both T. b. brucei and cruzi. *European Journal of Medicinal Chemistry*, **2020**, 202, 112558	6.8	3
266	New 8-Nitroquinolinone Derivative Displaying Submicromolar Activities against Both and. *ACS Medicinal Chemistry Letters*, **2020**, 11, 464-472	4.3	4
265	The Q Site of Cytochrome is a Promiscuous Drug Target in and. *ACS Infectious Diseases*, **2020**, 6, 515-528	5.5	8
264	Antikinetoplastid SAR study in 3-nitroimidazopyridine series: Identification of a novel non-genotoxic and potent anti-T. b. brucei hit-compound with improved pharmacokinetic properties. *European Journal of Medicinal Chemistry*, **2020**, 206, 112668	6.8	4
263	Discovery of an Allosteric Binding Site in Kinetoplastid Methionyl-tRNA Synthetase. *ACS Infectious Diseases*, **2020**, 6, 1044-1057	5.5	3
262	Substituted Aminoacetamides as Novel Leads for Malaria Treatment. *ChemMedChem*, **2019**, 14, 1329-1335	3.7	3
261	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	11.5	50
260	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	11.5	65
259	Fexinidazole for the treatment of human African trypanosomiasis. *Drugs of Today*, **2019**, 55, 705-712	2.5	11
258	Current and Future Prospects of Nitro-compounds as Drugs for Trypanosomiasis and Leishmaniasis. *Current Medicinal Chemistry*, **2019**, 26, 4454-4475	4.3	25
257	Nongenotoxic 3-Nitroimidazo[1,2-]pyridines Are NTR1 Substrates That Display Potent Antileishmanial Activity. *ACS Medicinal Chemistry Letters*, **2019**, 10, 34-39	4.3	18
256	Pharmacological Validation of N-Myristoyltransferase as a Drug Target in Leishmania donovani. *ACS Infectious Diseases*, **2019**, 5, 111-122	5.5	31
255	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	6.8	10
254	A role for trypanosomatid aldo-keto reductases in methylglyoxal, prostaglandin and isoprostane metabolism. *Biochemical Journal*, **2018**, 475, 2593-2610	3.8	6
253	Cyclin-dependent kinase 12 is a drug target for visceral leishmaniasis. *Nature*, **2018**, 560, 192-197	50.4	73

252	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	6.8	13
251	Development of Chemical Proteomics for the Folateome and Analysis of the Kinetoplastid Folateome. *ACS Infectious Diseases*, **2018**, 4, 1475-1486	5.5	1
250	Antitrypanosomatid Pharmacomodulation at Position 3 of the 8-Nitroquinolin-2(1H)-one Scaffold Using Palladium-Catalysed Cross-Coupling Reactions. *ChemMedChem*, **2018**, 13, 2217-2228	3.7	6
249	Melarsoprol Resistance in African Trypanosomiasis. *Trends in Parasitology*, **2018**, 34, 481-492	6.4	52
248	Characterisation of a putative glutamate 5-kinase from Leishmania donovani. *FEBS Journal*, **2018**, 285, 2662-2678	5.7	4
247	Antitrypanosomal 8-Hydroxy-Naphthyridines Are Chelators of Divalent Transition Metals. *Antimicrobial Agents and Chemotherapy*, **2018**, 62,	5.9	7
246	Anti-trypanosomatid drug discovery: an ongoing challenge and a continuing need. *Nature Reviews Microbiology*, **2017**, 15, 217-231	22.2	225
245	Chemical Validation of Methionyl-tRNA Synthetase as a Druggable Target in Leishmania donovani. *ACS Infectious Diseases*, **2017**, 3, 718-727	5.5	15
244	Screening a protein kinase inhibitor library against Plasmodium falciparum. *Malaria Journal*, **2017**, 16, 446	3.6	9
243	Biochemical and Structural Characterization of Selective Allosteric Inhibitors of the Plasmodium falciparum Drug Target, Prolyl-tRNA-synthetase. *ACS Infectious Diseases*, **2017**, 3, 34-44	5.5	28
242	The N-myristoylome of Trypanosoma cruzi. *Scientific Reports*, **2016**, 6, 31078	4.9	19
241	Drug resistance in eukaryotic microorganisms. *Nature Microbiology*, **2016**, 1, 16092	26.6	82
240	Trisubstituted Pyrimidines as Efficacious and Fast-Acting Antimalarials. *Journal of Medicinal Chemistry*, **2016**, 59, 6101-20	8.3	7
239	Open Lab as a source of hits and leads against tuberculosis, malaria and kinetoplastid diseases. *Nature Reviews Drug Discovery*, **2016**, 15, 292	64.1	10
238	Nitroheterocyclic drug resistance mechanisms in Trypanosoma brucei. *Journal of Antimicrobial Chemotherapy*, **2016**, 71, 625-34	5.1	49
237	Pentacyclic nitrofurans that rapidly kill nifurtimox-resistant trypanosomes. *Journal of Antimicrobial Chemotherapy*, **2016**, 71, 956-63	5.1	5
236	Trypanosoma brucei DHFR-TS Revisited: Characterisation of a Bifunctional and Highly Unstable Recombinant Dihydrofolate Reductase-Thymidylate Synthase. *PLoS Neglected Tropical Diseases*, **2016**, 10, e0004714	4.8	11
235	The anti-tubercular drug delamanid as a potential oral treatment for visceral leishmaniasis. *ELife*, **2016**, 5,	8.9	53

234	Activation of Bicyclic Nitro-drugs by a Novel Nitroreductase (NTR2) in Leishmania. *PLoS Pathogens*, **2016**, 12, e1005971	7.6	53
233	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	8.3	45
232	The Role of Folate Transport in Antifolate Drug Action in Trypanosoma brucei. *Journal of Biological Chemistry*, **2016**, 291, 24768-24778	5.4	10
231	Arsenic, antimony, and Leishmania: has arsenic contamination of drinking water in India led to treatment- resistant kala-azar?. *Lancet, The*, **2015**, 385 Suppl 1, S80	40	18
230	A novel multiple-stage antimalarial agent that inhibits protein synthesis. *Nature*, **2015**, 522, 315-20	50.4	250
229	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	4.8	30
228	TrypanoCyc: a community-led biochemical pathways database for Trypanosoma brucei. *Nucleic Acids Research*, **2015**, 43, D637-44	20.1	28
227	Homoserine and quorum-sensing acyl homoserine lactones as alternative sources of threonine: a potential role for homoserine kinase in insect-stage Trypanosoma brucei. *Molecular Microbiology*, **2015**, 95, 143-56	4.1	14
226	Synthesis, biological profiling and mechanistic studies of 4-aminoquinoline-based heterodimeric compounds with dual trypanocidal-antiplasmodial activity. *Bioorganic and Medicinal Chemistry*, **2015** , 23, 5156-67	3.4	11
225	Genomic and Proteomic Studies on the Mode of Action of Oxaboroles against the African Trypanosome. *PLoS Neglected Tropical Diseases*, **2015**, 9, e0004299	4.8	26
224	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, 9855-69	8.3	42
223	Norspermidine is not a self-produced trigger for biofilm disassembly. *Cell*, **2014**, 156, 844-54	56.2	47
222	Biochemical and genetic characterization of Trypanosoma cruzi N-myristoyltransferase. *Biochemical Journal*, **2014**, 459, 323-32	3.8	22
221	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	5.9	0
220	The R enantiomer of the antitubercular drug PA-824 as a potential oral treatment for visceral Leishmaniasis. *Antimicrobial Agents and Chemotherapy*, **2013**, 57, 4699-706	5.9	51
219	Comparison of a high-throughput high-content intracellular Leishmania donovani assay with an axenic amastigote assay. *Antimicrobial Agents and Chemotherapy*, **2013**, 57, 2913-22	5.9	114
218	Assessing the essentiality of Leishmania donovani nitroreductase and its role in nitro drug activation. *Antimicrobial Agents and Chemotherapy*, **2013**, 57, 901-6	5.9	39
217	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, 19932-7	11.5	43

216	Trypanosoma brucei (UMP synthase null mutants) are avirulent in mice, but recover virulence upon prolonged culture in vitro while retaining pyrimidine auxotrophy. *Molecular Microbiology*, **2013**, 90, 443-55	4.1	19
215	Allosteric activation of trypanosomatid deoxyhypusine synthase by a catalytically dead paralog. *Journal of Biological Chemistry*, **2013**, 288, 15256-67	5.4	36
214	Quinol derivatives as potential trypanocidal agents. *Bioorganic and Medicinal Chemistry*, **2012**, 20, 1607-15	3.4	14
213	Design, synthesis and biological evaluation of Trypanosoma brucei trypanothione synthetase inhibitors. *ChemMedChem*, **2012**, 7, 95-106	3.7	39
212	Chemical, genetic and structural assessment of pyridoxal kinase as a drug target in the African trypanosome. *Molecular Microbiology*, **2012**, 86, 51-64	4.1	24
211	Discovery of a novel class of orally active trypanocidal N-myristoyltransferase inhibitors. *Journal of Medicinal Chemistry*, **2012**, 55, 140-52	8.3	88
210	A static-cidal assay for Trypanosoma brucei to aid hit prioritisation for progression into drug discovery programmes. *PLoS Neglected Tropical Diseases*, **2012**, 6, e1932	4.8	26
209	The anti-trypanosome drug fexinidazole shows potential for treating visceral leishmaniasis. *Science Translational Medicine*, **2012**, 4, 119re1	17.5	111
208	Antimicrobial drug discovery. *Future Microbiology*, **2011**, 6, 601-2	2.9	2
207	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, 6514-30	8.3	91
206	Methylglyoxal metabolism in trypanosomes and leishmania. *Seminars in Cell and Developmental Biology*, **2011**, 22, 271-7	7.5	31
205	Target validation: linking target and chemical properties to desired product profile. *Current Topics in Medicinal Chemistry*, **2011**, 11, 1275-83	3	79
204	Triclosan is minimally effective in rodent malaria models. *Nature Medicine*, **2011**, 17, 33-4; author reply 34-5	50.5	13
203	Synthesis and evaluation of indatraline-based inhibitors for trypanothione reductase. *ChemMedChem*, **2011**, 6, 321-8	3.7	19
202	Design, synthesis and biological evaluation of novel inhibitors of Trypanosoma brucei pteridine reductase 1. *ChemMedChem*, **2011**, 6, 302-8	3.7	32
201	Optimisation of the anti-Trypanosoma brucei activity of the opioid agonist U50488. *ChemMedChem*, **2011**, 6, 1832-40	3.7	5
200	Dissecting the metabolic roles of pteridine reductase 1 in Trypanosoma brucei and Leishmania major. *Journal of Biological Chemistry*, **2011**, 286, 10429-38	5.4	33
199	Antitumor quinol PMX464 is a cytocidal anti-trypanosomal inhibitor targeting trypanothione metabolism. *Journal of Biological Chemistry*, **2011**, 286, 8523-8533	5.4	25

198	Visceral leishmaniasis and arsenic: an ancient poison contributing to antimonial treatment failure in the Indian subcontinent?. *PLoS Neglected Tropical Diseases*, **2011**, 5, e1227	4.8	38
197	Trypanosoma brucei pteridine reductase 1 is essential for survival in vitro and for virulence in mice. *Molecular Microbiology*, **2010**, 77, 658-71	4.1	38
196	N-myristoyltransferase inhibitors as new leads to treat sleeping sickness. *Nature*, **2010**, 464, 728-32	50.4	213
195	Cross-resistance to nitro drugs and implications for treatment of human African trypanosomiasis. *Antimicrobial Agents and Chemotherapy*, **2010**, 54, 2893-900	5.9	88
194	Comparative structural, kinetic and inhibitor studies of Trypanosoma brucei trypanothione reductase with T. cruzi. *Molecular and Biochemical Parasitology*, **2010**, 169, 12-9	1.9	45
193	Elevated levels of tryparedoxin peroxidase in antimony unresponsive Leishmania donovani field isolates. *Molecular and Biochemical Parasitology*, **2010**, 173, 162-4	1.9	61
192	Identification of a Ebpioid agonist as a potent and selective lead for drug development against human African trypanosomiasis. *Biochemical Pharmacology*, **2010**, 80, 1478-86	6	61
191	Development and validation of a cytochrome c-coupled assay for pteridine reductase 1 and dihydrofolate reductase. *Analytical Biochemistry*, **2010**, 396, 194-203	3.1	20
190	Chemical validation of trypanothione synthetase: a potential drug target for human trypanosomiasis. *Journal of Biological Chemistry*, **2009**, 284, 36137-36145	5.4	60
189	Improved tricyclic inhibitors of trypanothione reductase by screening and chemical synthesis. *ChemMedChem*, **2009**, 4, 1333-40	3.7	58
188	Synthesis and evaluation of 1-(1-(Benzo[b]thiophen-2-yl)cyclohexyl)piperidine (BTCP) analogues as inhibitors of trypanothione reductase. *ChemMedChem*, **2009**, 4, 1341-53	3.7	39
187	Investigation of trypanothione reductase as a drug target in Trypanosoma brucei. *ChemMedChem*, **2009**, 4, 2060-9	3.7	45
186	Dissecting the essentiality of the bifunctional trypanothione synthetase-amidase in Trypanosoma brucei using chemical and genetic methods. *Molecular Microbiology*, **2009**, 74, 529-40	4.1	60
185	A comparative study of methylglyoxal metabolism in trypanosomatids. *FEBS Journal*, **2009**, 276, 376-86	5.7	61
184	Development of a novel virtual screening cascade protocol to identify potential trypanothione reductase inhibitors. *Journal of Medicinal Chemistry*, **2009**, 52, 1670-80	8.3	43
183	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, 4454-65	8.3	78
182	Trypanothione reductase high-throughput screening campaign identifies novel classes of inhibitors with antiparasitic activity. *Antimicrobial Agents and Chemotherapy*, **2009**, 53, 2824-33	5.9	53
181	Chemical and genetic validation of dihydrofolate reductase-thymidylate synthase as a drug target in African trypanosomes. *Molecular Microbiology*, **2008**, 69, 520-33	4.1	58

180	Roles of trypanothione S-transferase and tryparedoxin peroxidase in resistance to antimonials. *Antimicrobial Agents and Chemotherapy*, **2008**, 52, 1359-65	5.9	66
179	Leishmania trypanothione synthetase-amidase structure reveals a basis for regulation of conflicting synthetic and hydrolytic activities. *Journal of Biological Chemistry*, **2008**, 283, 17672-80	5.4	70
178	Kinetoplastids: related protozoan pathogens, different diseases. *Journal of Clinical Investigation*, **2008**, 118, 1301-10	15.9	381
177	Structural and mechanistic insights into type II trypanosomatid tryparedoxin-dependent peroxidases. *Biochemical Journal*, **2008**, 414, 375-81	3.8	24
176	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, 371-82	1.7	11
175	ATP-dependent ligases in trypanothione biosynthesis--kinetics of catalysis and inhibition by phosphinic acid pseudopeptides. *FEBS Journal*, **2008**, 275, 5408-21	5.7	18
174	Inhibition of trypanothione reductase and glutathione reductase by ferrocenic 4-aminoquinoline ureas. *Arkivoc*, **2008**, 2008, 52-60	0.9	5
173	A comparative study of type I and type II tryparedoxin peroxidases in Leishmania major. *FEBS Journal*, **2007**, 274, 5643-58	5.7	33
172	Target assessment for antiparasitic drug discovery. *Trends in Parasitology*, **2007**, 23, 589-95	6.4	112
171	Discovery of 2-iminobenzimidazoles as a new class of trypanothione reductase inhibitor by high-throughput screening. *Bioorganic and Medicinal Chemistry Letters*, **2007**, 17, 1422-7	2.9	45
170	High-throughput screening affords novel and selective trypanothione reductase inhibitors with anti-trypanosomal activity. *Bioorganic and Medicinal Chemistry Letters*, **2007**, 17, 1280-3	2.9	36
169	Increased levels of thiols protect antimony unresponsive Leishmania donovani field isolates against reactive oxygen species generated by trivalent antimony. *Parasitology*, **2007**, 134, 1679-87	2.7	86
168	Bis-acridines as lead antiparasitic agents: structure-activity analysis of a discrete compound library in vitro. *Antimicrobial Agents and Chemotherapy*, **2007**, 51, 2164-72	5.9	24
167	Differential toxicity of antimonial compounds and their effects on glutathione homeostasis in a human leukaemia monocyte cell line. *Biochemical Pharmacology*, **2006**, 71, 257-67	6	64
166	Mapping the functional synthetase domain of trypanothione synthetase from Leishmania major. *Molecular and Biochemical Parasitology*, **2006**, 149, 117-20	1.9	8
165	Drug resistance in leishmaniasis. *Clinical Microbiology Reviews*, **2006**, 19, 111-26	34	1183
164	Kinetic, inhibition and structural studies on 3-oxoacyl-ACP reductase from Plasmodium falciparum, a key enzyme in fatty acid biosynthesis. *Biochemical Journal*, **2006**, 393, 447-57	3.8	61
163	Refinement of techniques for the propagation of Leishmania donovani in hamsters. *Acta Tropica*, **2006**, 97, 364-9	3.2	18

162	Trypanothione-dependent glyoxalase I in Trypanosoma cruzi. *Biochemical Journal*, **2006**, 400, 217-23	3.8	47
161	Specificity of the trypanothione-dependent Leishmania major glyoxalase I: structure and biochemical comparison with the human enzyme. *Molecular Microbiology*, **2006**, 59, 1239-48	4.1	59
160	Structure and reactivity of Trypanosoma brucei pteridine reductase: inhibition by the archetypal antifolate methotrexate. *Molecular Microbiology*, **2006**, 61, 1457-68	4.1	50
159	Time-dependent inhibitors of trypanothione reductase: analogues of the spermidine alkaloid lunarine and related natural products. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 2266-78	3.4	25
158	The genome of the African trypanosome Trypanosoma brucei. *Science*, **2005**, 309, 416-22	33.3	1323
157	Phenotypic analysis of trypanothione synthetase knockdown in the African trypanosome. *Biochemical Journal*, **2005**, 391, 425-32	3.8	63
156	Very Short and Efficient Syntheses of the Spermine Alkaloid Kukoamine A and Analogs Using Isolable Succinimidyl Cinnamates. *Chemistry Letters*, **2005**, 34, 264-265	1.7	13
155	Trypanothione biosynthesis in Leishmania major. *Molecular and Biochemical Parasitology*, **2005**, 139, 107-16	1.9	73
154	Crystallization and preliminary X-ray analysis of Leishmania major glyoxalase I. *Acta Crystallographica Section F: Structural Biology Communications*, **2005**, 61, 769-72		10
153	MYST family histone acetyltransferases in the protozoan parasite Toxoplasma gondii. *Eukaryotic Cell*, **2005**, 4, 2057-65		39
152	Leishmania major elongation factor 1B complex has trypanothione S-transferase and peroxidase activity. *Journal of Biological Chemistry*, **2004**, 279, 49003-9	5.4	50
151	Trypanothione S-transferase activity in a trypanosomatid ribosomal elongation factor 1B. *Journal of Biological Chemistry*, **2004**, 279, 27246-56	5.4	48
150	Dual action of antimonial drugs on thiol redox metabolism in the human pathogen Leishmania donovani. *Journal of Biological Chemistry*, **2004**, 279, 39925-32	5.4	206
149	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, 13186-91	11.5	72
148	Two interacting binding sites for quinacrine derivatives in the active site of trypanothione reductase: a template for drug design. *Journal of Biological Chemistry*, **2004**, 279, 29493-500	5.4	83
147	Bis(glutathionyl)spermine and other novel trypanothione analogues in Trypanosoma cruzi. *Journal of Biological Chemistry*, **2003**, 278, 27612-9	5.4	53
146	Properties of phosphoenolpyruvate mutase, the first enzyme in the aminoethylphosphonate biosynthetic pathway in Trypanosoma cruzi. *Journal of Biological Chemistry*, **2003**, 278, 22703-8	5.4	15
145	8-Methoxy-naphtho[2,3-b]thiophen-4,9-quinone, a non-competitive inhibitor of trypanothione reductase. *Memorias Do Instituto Oswaldo Cruz*, **2003**, 98, 565-8	2.6	13

144	Chemotherapy of human African trypanosomiasis: current and future prospects. *Trends in Parasitology*, **2003**, 19, 488-94	6.4	261
143	Properties of trypanothione synthetase from Trypanosoma brucei. *Molecular and Biochemical Parasitology*, **2003**, 131, 25-33	1.9	54
142	Exploring the potential of xanthene derivatives as trypanothione reductase inhibitors and chloroquine potentiating agents. *Tetrahedron*, **2003**, 59, 2289-2296	2.4	148
141	Benzofuranyl 3,5-bis-polyamine derivatives as time-dependent inhibitors of trypanothione reductase. *Bioorganic and Medicinal Chemistry*, **2003**, 11, 3683-93	3.4	25
140	Molecular mimicry of a CCR5 binding-domain in the microbial activation of dendritic cells. *Nature Immunology*, **2003**, 4, 485-90	19.1	199
139	Ellman's-reagent-mediated regeneration of trypanothione in situ: substrate-economical microplate and time-dependent inhibition assays for trypanothione reductase. *Biochemical Journal*, **2003**, 369, 529-37	3.8	85
138	Tryparedoxins from Crithidia fasciculata and Trypanosoma brucei: photoreduction of the redox disulfide using synchrotron radiation and evidence for a conformational switch implicated in function. *Journal of Biological Chemistry*, **2003**, 278, 25919-25	5.4	36
137	Antiprotozoal Agents **2003**, 1033-1087		6
136	A new expression vector for Crithidia fasciculata and Leishmania. *Molecular and Biochemical Parasitology*, **2002**, 120, 195-204	1.9	52
135	Peptoid inhibition of trypanothione reductase as a potential antitrypanosomal and antileishmanial drug lead. *Amino Acids*, **2002**, 22, 297-308	3.5	16
134	Glutathione-like tripeptides as inhibitors of glutathionylspermidine synthetase. Part 1: Substitution of the glycine carboxylic acid group. *Bioorganic and Medicinal Chemistry Letters*, **2002**, 12, 2553-6	2.9	23
133	Computer assisted design of potentially active anti-trypanosomal compounds. *Computational and Theoretical Chemistry*, **2002**, 584, 95-105		13
132	Genome sequence of the human malaria parasite Plasmodium falciparum. *Nature*, **2002**, 419, 498-511	50.4	3336
131	Glutathione-like tripeptides as inhibitors of glutathionylspermidine synthetase. Part 2: substitution of the glycine part. *Bioorganic and Medicinal Chemistry Letters*, **2002**, 12, 2703-5	2.9	19
130	A single enzyme catalyses formation of Trypanothione from glutathione and spermidine in Trypanosoma cruzi. *Journal of Biological Chemistry*, **2002**, 277, 35853-61	5.4	100
129	Characterization of recombinant glutathionylspermidine synthetase/amidase from Crithidia fasciculata. *Biochemical Journal*, **2002**, 364, 679-86	3.8	45
128	Regiocontrolled synthesis of the macrocyclic polyamine alkaloid (□)-lunarine, a time-dependent inhibitor of trypanothione reductase. *Journal of the Chemical Society, Perkin Transactions 1*, **2002**, 1115-1123		18
127	Metabolic pathway analysis in trypanosomes and malaria parasites. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2002**, 357, 101-7	5.8	22

126	Specific peptide inhibitors of trypanothione reductase with backbone structures unrelated to that of substrate: potential rational drug design lead frameworks. *Amino Acids*, **2001**, 20, 145-53	3.5	14
125	Antiprotozoal and cytotoxicity evaluation of sulfonamide and urea analogues of quinacrine. *Bioorganic and Medicinal Chemistry Letters*, **2001**, 11, 2655-7	2.9	71
124	Cloning of a pyruvate phosphate dikinase from Trypanosoma cruzi. *Molecular and Biochemical Parasitology*, **2001**, 112, 183-91	1.9	12
123	Ovothiol and trypanothione as antioxidants in trypanosomatids. *Molecular and Biochemical Parasitology*, **2001**, 115, 189-98	1.9	158
122	Molecular characterisation of mitochondrial and cytosolic trypanothione-dependent tryparedoxin peroxidases in Trypanosoma brucei. *Molecular and Biochemical Parasitology*, **2001**, 116, 171-83	1.9	73
121	Trypanosoma cruzi trypanothione reductase is inactivated by peroxidase-generated phenothiazine cationic radicals. *Free Radical Research*, **2001**, 34, 363-78	4	32
120	Trypanosomes lacking trypanothione reductase are avirulent and show increased sensitivity to oxidative stress. *Molecular Microbiology*, **2000**, 35, 542-52	4.1	268
119	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, 1147-50	2.9	17
118	Cloning, expression and functional characterisation of a peroxiredoxin from the potato cyst nematode Globodera rostochiensis. *Molecular and Biochemical Parasitology*, **2000**, 111, 41-9	1.9	93
117	Uptake of the nitroimidazole drug megazol by African trypanosomes. *Biochemical Pharmacology*, **2000**, 59, 615-20	6	26
116	The three-dimensional structure of a Plasmodium falciparum cyclophilin in complex with the potent anti-malarial cyclosporin A. *Journal of Molecular Biology*, **2000**, 298, 123-33	6.5	34
115	The structure of reduced tryparedoxin peroxidase reveals a decamer and insight into reactivity of 2Cys-peroxiredoxins. *Journal of Molecular Biology*, **2000**, 300, 903-16	6.5	143
114	The high resolution crystal structure of recombinant Crithidia fasciculata tryparedoxin-I. *Journal of Biological Chemistry*, **1999**, 274, 25613-22	5.4	56
113	Synthesis and enzymology of modified N-benzyloxycarbonyl-L-cysteinylglycyl-3,3-dimethylaminopropylamide++ + disulphides as alternative substrates for trypanothione reductase from Trypanosoma cruzi: Part 3. *Amino Acids*,	3.5	4
112	Characterization of protein Ser/Thr phosphatases of the malaria parasite, Plasmodium falciparum: inhibition of the parasitic calcineurin by cyclophilin-cyclosporin complex. *Molecular and Biochemical Parasitology*, **1999**, 99, 167-81	1.9	57
111	Entamoeba histolytica lacks trypanothione metabolism. *Molecular and Biochemical Parasitology*, **1999**, 103, 61-9	1.9	26
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