

# Alan H Fairlamb

## List of Publications by Citations

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269  
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23,104  
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#	Paper	IF	Citations
269	Genome sequence of the human malaria parasite <i>Plasmodium falciparum</i> . <i>Nature</i> , <b>2002</b> , 419, 498-511	50.4	3336
268	The genome of the African trypanosome <i>Trypanosoma brucei</i> . <i>Science</i> , <b>2005</b> , 309, 416-22	33.3	1323
267	Drug resistance in leishmaniasis. <i>Clinical Microbiology Reviews</i> , <b>2006</b> , 19, 111-26	34	1183
266	Metabolism and functions of trypanothione in the Kinetoplastida. <i>Annual Review of Microbiology</i> , <b>1992</b> , 46, 695-729	17.5	643
265	Trypanothione: a novel bis(glutathionyl)spermidine cofactor for glutathione reductase in trypanosomatids. <i>Science</i> , <b>1985</b> , 227, 1485-7	33.3	595
264	Kinetoplastids: related protozoan pathogens, different diseases. <i>Journal of Clinical Investigation</i> , <b>2008</b> , 118, 1301-10	15.9	381
263	Structure of trypanothione reductase from <i>Crithidia fasciculata</i> at 2.6 Å resolution; enzyme-NADP interactions at 2.8 Å resolution. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>1994</b> , 50, 139-54		330
262	Arsenical-resistant trypanosomes lack an unusual adenosine transporter. <i>Nature</i> , <b>1993</b> , 361, 173-6	50.4	324
261	Trypanosomes lacking trypanothione reductase are avirulent and show increased sensitivity to oxidative stress. <i>Molecular Microbiology</i> , <b>2000</b> , 35, 542-52	4.1	268
260	Chemotherapy of human African trypanosomiasis: current and future prospects. <i>Trends in Parasitology</i> , <b>2003</b> , 19, 488-94	6.4	261
259	A novel multiple-stage antimalarial agent that inhibits protein synthesis. <i>Nature</i> , <b>2015</b> , 522, 315-20	50.4	250
258	Purification and characterization of trypanothione reductase from <i>Crithidia fasciculata</i> , a newly discovered member of the family of disulfide-containing flavoprotein reductases. <i>Biochemistry</i> , <b>1986</b> , 25, 3519-26	3.2	248
257	Anti-trypanosomatid drug discovery: an ongoing challenge and a continuing need. <i>Nature Reviews Microbiology</i> , <b>2017</b> , 15, 217-231	22.2	225
256	Disruption of the trypanothione reductase gene of <i>Leishmania</i> decreases its ability to survive oxidative stress in macrophages. <i>EMBO Journal</i> , <b>1997</b> , 16, 2590-8	13	223
255	N-myristoyltransferase inhibitors as new leads to treat sleeping sickness. <i>Nature</i> , <b>2010</b> , 464, 728-32	50.4	213
254	Dual action of antimonial drugs on thiol redox metabolism in the human pathogen <i>Leishmania donovani</i> . <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 39925-32	5.4	206
253	Molecular mimicry of a CCR5 binding-domain in the microbial activation of dendritic cells. <i>Nature Immunology</i> , <b>2003</b> , 4, 485-90	19.1	199

252	Crystal structure of Trypanosoma cruzi trypanothione reductase in complex with trypanothione, and the structure-based discovery of new natural product inhibitors. <i>Structure</i> , <b>1999</b> , 7, 81-9	5.2	181
251	Uptake of diamidine drugs by the P2 nucleoside transporter in melarsen-sensitive and -resistant Trypanosoma brucei brucei. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 28153-7	5.4	164
250	In vivo effects of difluoromethylornithine on trypanothione and polyamine levels in bloodstream forms of Trypanosoma brucei. <i>Molecular and Biochemical Parasitology</i> , <b>1987</b> , 24, 185-91	1.9	160
249	Trypanothione is the primary target for arsenical drugs against African trypanosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1989</b> , 86, 2607-11	11.5	159
248	Ovothiol and trypanothione as antioxidants in trypanosomatids. <i>Molecular and Biochemical Parasitology</i> , <b>2001</b> , 115, 189-98	1.9	158
247	"Subversive" substrates for the enzyme trypanothione disulfide reductase: alternative approach to chemotherapy of Chagas disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1988</b> , 85, 5374-8	11.5	156
246	Rationally designed selective inhibitors of trypanothione reductase. Phenothiazines and related tricyclics as lead structures. <i>Biochemical Journal</i> , <b>1992</b> , 286 ( Pt 1), 9-11	3.8	149
245	Exploring the potential of xanthene derivatives as trypanothione reductase inhibitors and chloroquine potentiating agents. <i>Tetrahedron</i> , <b>2003</b> , 59, 2289-2296	2.4	148
244	The structure of reduced tryparedoxin peroxidase reveals a decamer and insight into reactivity of 2Cys-peroxiredoxins. <i>Journal of Molecular Biology</i> , <b>2000</b> , 300, 903-16	6.5	143
243	Down-regulation of Leishmania donovani trypanothione reductase by heterologous expression of a trans-dominant mutant homologue: effect on parasite intracellular survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1998</b> , 95, 5311-6	11.5	142
242	Trypanothione reductase from Trypanosoma cruzi. Purification and characterization of the crystalline enzyme. <i>FEBS Journal</i> , <b>1987</b> , 164, 123-8		139
241	Phenothiazine inhibitors of trypanothione reductase as potential antitrypanosomal and antileishmanial drugs. <i>Journal of Medicinal Chemistry</i> , <b>1998</b> , 41, 148-56	8.3	137
240	The biochemical basis of arsenical-diamidine crossresistance in African trypanosomes. <i>Parasitology Today</i> , <b>1999</b> , 15, 136-40		132
239	Evidence that trypanothione reductase is an essential enzyme in Leishmania by targeted replacement of the tryA gene locus. <i>Molecular Microbiology</i> , <b>1998</b> , 29, 653-60	4.1	130
238	Isolation and characterization of kinetoplast DNA from bloodstream form of Trypanosoma brucei. <i>Journal of Cell Biology</i> , <b>1978</b> , 76, 293-309	7.3	130
237	Identification of a novel, thiol-containing co-factor essential for glutathione reductase enzyme activity in trypanosomatids. <i>Molecular and Biochemical Parasitology</i> , <b>1985</b> , 14, 187-98	1.9	127
236	Active site of trypanothione reductase. A target for rational drug design. <i>Journal of Molecular Biology</i> , <b>1992</b> , 227, 322-33	6.5	119
235	Comparison of a high-throughput high-content intracellular Leishmania donovani assay with an axenic amastigote assay. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2013</b> , 57, 2913-22	5.9	114

234	Target assessment for antiparasitic drug discovery. <i>Trends in Parasitology</i> , <b>2007</b> , 23, 589-95	6.4	112
233	The anti-trypanosome drug fexinidazole shows potential for treating visceral leishmaniasis. <i>Science Translational Medicine</i> , <b>2012</b> , 4, 119re1	17.5	111
232	Novel biochemical pathways in parasitic protozoa. <i>Parasitology</i> , <b>1989</b> , 99 Suppl, S93-112	2.7	102
231	A single enzyme catalyses formation of Trypanothione from glutathione and spermidine in <i>Trypanosoma cruzi</i> . <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 35853-61	5.4	100
230	New approach to screening drugs for activity against African trypanosomes. <i>Nature</i> , <b>1977</b> , 265, 270-1	50.4	99
229	Identification and characterisation of a functional peroxidoxin from <i>Leishmania major</i> . <i>Molecular and Biochemical Parasitology</i> , <b>1998</b> , 96, 125-37	1.9	98
228	Surface receptors and transporters of <i>Trypanosoma brucei</i> . <i>Annual Review of Microbiology</i> , <b>1998</b> , 52, 745-78	17.5	94
227	Trypanothione reductase from <i>Leishmania donovani</i> . Purification, characterisation and inhibition by trivalent antimonials. <i>FEBS Journal</i> , <b>1995</b> , 230, 460-8		94
226	Cloning, expression and functional characterisation of a peroxiredoxin from the potato cyst nematode <i>Globodera rostochiensis</i> . <i>Molecular and Biochemical Parasitology</i> , <b>2000</b> , 111, 41-9	1.9	93
225	Dihydroquinazolines as a novel class of <i>Trypanosoma brucei</i> trypanothione reductase inhibitors: discovery, synthesis, and characterization of their binding mode by protein crystallography. <i>Journal of Medicinal Chemistry</i> , <b>2011</b> , 54, 6514-30	8.3	91
224	Substrate interactions between trypanothione reductase and N1-glutathionylspermidine disulphide at 0.28-nm resolution. <i>FEBS Journal</i> , <b>1993</b> , 213, 67-75		91
223	Substrate specificity of the flavoprotein trypanothione disulfide reductase from <i>Crithidia fasciculata</i> . <i>Biochemistry</i> , <b>1987</b> , 26, 3023-7	3.2	89
222	Trypanothione dependent peroxide metabolism in <i>Crithidia fasciculata</i> and <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , <b>1987</b> , 24, 39-45	1.9	89
221	Uptake of the trypanocidal drug suramin by bloodstream forms of <i>Trypanosoma brucei</i> and its effect on respiration and growth rate in vivo. <i>Molecular and Biochemical Parasitology</i> , <b>1980</b> , 1, 315-33	1.9	89
220	Discovery of a novel class of orally active trypanocidal N-myristoyltransferase inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2012</b> , 55, 140-52	8.3	88
219	Cross-resistance to nitro drugs and implications for treatment of human African trypanosomiasis. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2010</b> , 54, 2893-900	5.9	88
218	Increased levels of thiols protect antimony unresponsive <i>Leishmania donovani</i> field isolates against reactive oxygen species generated by trivalent antimony. <i>Parasitology</i> , <b>2007</b> , 134, 1679-87	2.7	86
217	Ellman®-reagent-mediated regeneration of trypanothione in situ: substrate-economical microplate and time-dependent inhibition assays for trypanothione reductase. <i>Biochemical Journal</i> , <b>2003</b> , 369, 529-37	3.8	85

216	Ornithine decarboxylase gene deletion mutants of <i>Leishmania donovani</i> . <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 3781-8	5.4	85
215	Two interacting binding sites for quinacrine derivatives in the active site of trypanothione reductase: a template for drug design. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 29493-500	5.4	83
214	Drug resistance in eukaryotic microorganisms. <i>Nature Microbiology</i> , <b>2016</b> , 1, 16092	26.6	82
213	Characterisation of melarsen-resistant <i>Trypanosoma brucei brucei</i> with respect to cross-resistance to other drugs and trypanothione metabolism. <i>Molecular and Biochemical Parasitology</i> , <b>1992</b> , 53, 213-22	1.9	80
212	Target validation: linking target and chemical properties to desired product profile. <i>Current Topics in Medicinal Chemistry</i> , <b>2011</b> , 11, 1275-83	3	79
211	One scaffold, three binding modes: novel and selective pteridine reductase 1 inhibitors derived from fragment hits discovered by virtual screening. <i>Journal of Medicinal Chemistry</i> , <b>2009</b> , 52, 4454-65	8.3	78
210	The crystal structure of trypanothione reductase from the human pathogen <i>Trypanosoma cruzi</i> at 2.3 Å resolution. <i>Protein Science</i> , <b>1996</b> , 5, 52-61	6.3	78
209	Mechanism of inhibition of trypanothione reductase and glutathione reductase by trivalent organic arsenicals. <i>FEBS Journal</i> , <b>1994</b> , 221, 285-95		78
208	Cyclin-dependent kinase 12 is a drug target for visceral leishmaniasis. <i>Nature</i> , <b>2018</b> , 560, 192-197	50.4	73
207	Trypanothione biosynthesis in <i>Leishmania major</i> . <i>Molecular and Biochemical Parasitology</i> , <b>2005</b> , 139, 107-116		73
206	Molecular characterisation of mitochondrial and cytosolic trypanothione-dependent trypanedoxin peroxidases in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , <b>2001</b> , 116, 171-83	1.9	73
205	A trypanothione-dependent glyoxalase I with a prokaryotic ancestry in <i>Leishmania major</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 13186-91	11.5	72
204	Antiprotozoal and cytotoxicity evaluation of sulfonamide and urea analogues of quinacrine. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2001</b> , 11, 2655-7	2.9	71
203	<i>Leishmania</i> trypanothione synthetase-amidase structure reveals a basis for regulation of conflicting synthetic and hydrolytic activities. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 17672-80	5.4	70
202	An improved technique for the cultivation of <i>Plasmodium falciparum</i> in vitro without daily medium change. <i>Annals of Tropical Medicine and Parasitology</i> , <b>1985</b> , 79, 379-84		69
201	Roles of trypanothione S-transferase and trypanedoxin peroxidase in resistance to antimonials. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2008</b> , 52, 1359-65	5.9	66
200	Preclinical candidate for the treatment of visceral leishmaniasis that acts through proteasome inhibition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 9318-9323	11.5	65
199	Diamine auxotrophy may be a universal feature of <i>Trypanosoma cruzi</i> epimastigotes. <i>Molecular and Biochemical Parasitology</i> , <b>1997</b> , 84, 111-21	1.9	65

198	Identification and biosynthesis of N1,N9-bis(glutathionyl)aminopropylcadaverine (homotrypanothione) in <i>Trypanosoma cruzi</i> . <i>FEBS Journal</i> , <b>1994</b> , 226, 1019-27		65
197	Differential toxicity of antimonial compounds and their effects on glutathione homeostasis in a human leukaemia monocyte cell line. <i>Biochemical Pharmacology</i> , <b>2006</b> , 71, 257-67	6	64
196	Regulation of a high-affinity diamine transport system in <i>Trypanosoma cruzi</i> epimastigotes. <i>Biochemical Journal</i> , <b>1996</b> , 316 ( Pt 2), 481-6	3.8	64
195	Phenotypic analysis of trypanothione synthetase knockdown in the African trypanosome. <i>Biochemical Journal</i> , <b>2005</b> , 391, 425-32	3.8	63
194	Purification of glutathionylspermidine and trypanothione synthetases from <i>Crithidia fasciculata</i> . <i>Protein Science</i> , <b>1992</b> , 1, 874-83	6.3	62
193	A comparative study of methylglyoxal metabolism in trypanosomatids. <i>FEBS Journal</i> , <b>2009</b> , 276, 376-86	5.7	61
192	Elevated levels of tryparedoxin peroxidase in antimony unresponsive <i>Leishmania donovani</i> field isolates. <i>Molecular and Biochemical Parasitology</i> , <b>2010</b> , 173, 162-4	1.9	61
191	Identification of a $\mu$ opioid agonist as a potent and selective lead for drug development against human African trypanosomiasis. <i>Biochemical Pharmacology</i> , <b>2010</b> , 80, 1478-86	6	61
190	Kinetic, inhibition and structural studies on 3-oxoacyl-ACP reductase from <i>Plasmodium falciparum</i> , a key enzyme in fatty acid biosynthesis. <i>Biochemical Journal</i> , <b>2006</b> , 393, 447-57	3.8	61
189	Biochemical changes associated with alpha-difluoromethylornithine uptake and resistance in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , <b>1987</b> , 25, 227-38	1.9	61
188	Chemical validation of trypanothione synthetase: a potential drug target for human trypanosomiasis. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 36137-36145	5.4	60
187	Dissecting the essentiality of the bifunctional trypanothione synthetase-amidase in <i>Trypanosoma brucei</i> using chemical and genetic methods. <i>Molecular Microbiology</i> , <b>2009</b> , 74, 529-40	4.1	60
186	Site-directed mutagenesis of the redox-active cysteines of <i>Trypanosoma cruzi</i> trypanothione reductase. <i>FEBS Journal</i> , <b>1995</b> , 228, 745-52		60
185	Specificity of the trypanothione-dependent <i>Leishmania major</i> glyoxalase I: structure and biochemical comparison with the human enzyme. <i>Molecular Microbiology</i> , <b>2006</b> , 59, 1239-48	4.1	59
184	Phenotype of recombinant <i>Leishmania donovani</i> and <i>Trypanosoma cruzi</i> which over-express trypanothione reductase. Sensitivity towards agents that are thought to induce oxidative stress. <i>FEBS Journal</i> , <b>1993</b> , 218, 29-37		59
183	Improved tricyclic inhibitors of trypanothione reductase by screening and chemical synthesis. <i>ChemMedChem</i> , <b>2009</b> , 4, 1333-40	3.7	58
182	Chemical and genetic validation of dihydrofolate reductase-thymidylate synthase as a drug target in African trypanosomes. <i>Molecular Microbiology</i> , <b>2008</b> , 69, 520-33	4.1	58
181	Carbohydrate Metabolism in African Trypanosomes, with Special Reference to the Glycosome <b>1986</b> , 183-224		58

180	Characterization of protein Ser/Thr phosphatases of the malaria parasite, Plasmodium falciparum: inhibition of the parasitic calcineurin by cyclophilin-cyclosporin complex. <i>Molecular and Biochemical Parasitology</i> , <b>1999</b> , 99, 167-81	1.9	57
179	The high resolution crystal structure of recombinant Crithidia fasciculata tryparedoxin-I. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 25613-22	5.4	56
178	The biosynthesis of trypanothione and N1-glutathionylspermidine in Crithidia fasciculata. <i>Molecular and Biochemical Parasitology</i> , <b>1986</b> , 21, 247-57	1.9	55
177	Properties of trypanothione synthetase from Trypanosoma brucei. <i>Molecular and Biochemical Parasitology</i> , <b>2003</b> , 131, 25-33	1.9	54
176	Trypanothione reductase high-throughput screening campaign identifies novel classes of inhibitors with antiparasitic activity. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2009</b> , 53, 2824-33	5.9	53
175	Bis(glutathionyl)spermine and other novel trypanothione analogues in Trypanosoma cruzi. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 27612-9	5.4	53
174	The anti-tubercular drug delamanid as a potential oral treatment for visceral leishmaniasis. <i>ELife</i> , <b>2016</b> , 5,	8.9	53
173	Activation of Bicyclic Nitro-drugs by a Novel Nitroreductase (NTR2) in Leishmania. <i>PLoS Pathogens</i> , <b>2016</b> , 12, e1005971	7.6	53
172	A new expression vector for Crithidia fasciculata and Leishmania. <i>Molecular and Biochemical Parasitology</i> , <b>2002</b> , 120, 195-204	1.9	52
171	Melarsoprol Resistance in African Trypanosomiasis. <i>Trends in Parasitology</i> , <b>2018</b> , 34, 481-492	6.4	52
170	The R enantiomer of the antitubercular drug PA-824 as a potential oral treatment for visceral Leishmaniasis. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2013</b> , 57, 4699-706	5.9	51
169	Bimane cyclic esters, possible stereologues of trypanothione as antitrypanosomal agents. <i>Bimanes 29. European Journal of Medicinal Chemistry</i> , <b>1995</b> , 30, 659-671	6.8	51
168	Lysyl-tRNA synthetase as a drug target in malaria and cryptosporidiosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 7015-7020	11.5	50
167	Cloning, expression and reconstitution of the trypanothione-dependent peroxidase system of Crithidia fasciculata. <i>Molecular and Biochemical Parasitology</i> , <b>1998</b> , 96, 111-23	1.9	50
166	Structure and reactivity of Trypanosoma brucei pteridine reductase: inhibition by the archetypal antifolate methotrexate. <i>Molecular Microbiology</i> , <b>2006</b> , 61, 1457-68	4.1	50
165	Leishmania major elongation factor 1B complex has trypanothione S-transferase and peroxidase activity. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 49003-9	5.4	50
164	Nitroheterocyclic drug resistance mechanisms in Trypanosoma brucei. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2016</b> , 71, 625-34	5.1	49
163	Anti-plasmodial and anti-trypanosomal activity of synthetic naphtho[2,3-b]thiopen-4,9-quinones. <i>Bioorganic and Medicinal Chemistry</i> , <b>1997</b> , 5, 2185-92	3.4	49

162	Trypanothione S-transferase activity in a trypanosomatid ribosomal elongation factor 1B. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 27246-56	5.4	48
161	Characterisation of pentamidine-resistant <i>Trypanosoma brucei brucei</i> . <i>Molecular and Biochemical Parasitology</i> , <b>1995</b> , 69, 289-98	1.9	48
160	Lipoprotein lipase suppression in 3T3-L1 cells by a haematoprotazoan-induced mediator from peritoneal exudate cells. <i>Parasite Immunology</i> , <b>1984</b> , 6, 203-9	2.2	48
159	Norspermidine is not a self-produced trigger for biofilm disassembly. <i>Cell</i> , <b>2014</b> , 156, 844-54	56.2	47
158	Trypanothione-dependent glyoxalase I in <i>Trypanosoma cruzi</i> . <i>Biochemical Journal</i> , <b>2006</b> , 400, 217-23	3.8	47
157	Synthesis of N-benzyloxycarbonyl-L-cysteinylglycine 3-dimethylaminopropylamide disulfide: a cheap and convenient new assay for trypanothione reductase. <i>Analytical Biochemistry</i> , <b>1991</b> , 198, 212-6	3.1	46
156	Molecular characterization of the trypanothione reductase gene from <i>Crithidia fasciculata</i> and <i>Trypanosoma brucei</i> : comparison with other flavoprotein disulphide oxidoreductases with respect to substrate specificity and catalytic mechanism. <i>Molecular Microbiology</i> , <b>1992</b> , 6, 3089-99	4.1	46
155	Investigation of trypanothione reductase as a drug target in <i>Trypanosoma brucei</i> . <i>ChemMedChem</i> , <b>2009</b> , 4, 2060-9	3.7	45
154	Comparative structural, kinetic and inhibitor studies of <i>Trypanosoma brucei</i> trypanothione reductase with <i>T. cruzi</i> . <i>Molecular and Biochemical Parasitology</i> , <b>2010</b> , 169, 12-9	1.9	45
153	Discovery of 2-iminobenzimidazoles as a new class of trypanothione reductase inhibitor by high-throughput screening. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2007</b> , 17, 1422-7	2.9	45
152	Characterization of recombinant glutathionylspermidine synthetase/amidase from <i>Crithidia fasciculata</i> . <i>Biochemical Journal</i> , <b>2002</b> , 364, 679-86	3.8	45
151	Discovery of a Quinoline-4-carboxamide Derivative with a Novel Mechanism of Action, Multistage Antimalarial Activity, and Potent in Vivo Efficacy. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 9672-9685	8.3	45
150	<i>Trypanosoma brucei</i> : suramin and other trypanocidal compounds effects on sn-glycerol-3-phosphate oxidase. <i>Experimental Parasitology</i> , <b>1977</b> , 43, 353-61	2.1	44
149	Chronic exposure to arsenic in drinking water can lead to resistance to antimonial drugs in a mouse model of visceral leishmaniasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 19932-7	11.5	43
148	Development of a novel virtual screening cascade protocol to identify potential trypanothione reductase inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2009</b> , 52, 1670-80	8.3	43
147	An approach to use an unusual adenosine transporter to selectively deliver polyamine analogues to trypanosomes. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1998</b> , 8, 811-6	2.9	43
146	Lead optimization of a pyrazole sulfonamide series of <i>Trypanosoma brucei</i> N-myristoyltransferase inhibitors: identification and evaluation of CNS penetrant compounds as potential treatments for stage 2 human African trypanosomiasis. <i>Journal of Medicinal Chemistry</i> , <b>2014</b> , 57, 9855-69	8.3	42
145	Detailed characterization of a cyclophilin from the human malaria parasite <i>Plasmodium falciparum</i> . <i>Biochemical Journal</i> , <b>1998</b> , 334 ( Pt 2), 437-45	3.8	41



144	Biosynthesis of the trypanosomatid metabolite trypanothione: purification and characterization of trypanothione synthetase from <i>Crithidia fasciculata</i> . <i>Biochemistry</i> , <b>1990</b> , 29, 3924-9	3.2	40
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