Piet Borst

List of Publications by Year
in descending order

169 papers	20,733 citations	7096 78 h-index	10158 140 g-index
170 all docs	170 docs citations	170 times ranked	13652 citing authors

#	Article	IF	Citations
1	Looking back at multidrug resistance (MDR) research and ten mistakes to be avoided when writing about ABC transporters in MDR. FEBS Letters, 2020, 594, 4001-4011.	2.8	22
2	The malateâ€“aspartate shuttle (Borst cycle): How it started and developed into a major metabolic pathway. IUBMB Life, 2020, 72, 2241-2259.	3.4	117
3	PXE, a Mysterious Inborn Error Clarified. Trends in Biochemical Sciences, 2019, 44, 125-140.	7.5	37
4	Edward Charles Slater. 16 January 1917 â€” 26 March 2016. Biographical Memoirs of Fellows of the Royal Society, 2017, 63, 527-551.	0.1	2
5	Maxi-circles, glycosomes, gene transposition, expression sites, transsplicing, transferrin receptors and base J. Molecular and Biochemical Parasitology, 2016, 205, 39-52.	1.1	3
6	HELB Is a Feedback Inhibitor of DNA End Resection. Molecular Cell, 2016, 61, 405-418.	9.7	119
7	Subunit composition of <scp>VRAC</scp> channels determines substrate specificity and cellular resistance to <scp>P</scp> tâ€based antiâ€cancer drugs. EMBO Journal, 2015, 34, 2993-3008.	7.8	209
8	ATP-binding Cassette Subfamily C Member 5 (ABCC5) Functions as an Efflux Transporter of Glutamate Conjugates and Analogs. Journal of Biological Chemistry, 2015, 290, 30429-30440.	3.4	47
9	BRCA2-Deficient Sarcomatoid Mammary Tumors Exhibit Multidrug Resistance. Cancer Research, 2015, 75, 732-741.	0.9	47
10	Defining the sequence requirements for the positioning of base J in DNA using SMRT sequencing. Nucleic Acids Research, 2015, 43, 2102-2115.	14.5	25
11	REV7 counteracts DNA double-strand break resection and affects PARP inhibition. Nature, 2015, 521, 541-544.	27.8	487
12	ABCC6â€“Mediated ATP Secretion by the Liver Is the Main Source of the Mineralization Inhibitor Inorganic Pyrophosphate in the Systemic Circulationâ€”Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1985-1989.	2.4	246
13	Loss of 53BP1 Causes PARP Inhibitor Resistance in <i>Brca1</i>-Mutated Mouse Mammary Tumors. Cancer Discovery, 2013, 3, 68-81.	9.4	428
14	P-glycoprotein ABCB1: a major player in drug handling by mammals. Journal of Clinical Investigation, 2013, 123, 4131-4133.	8.2	127
15	Transportomics: screening for substrates of ABC transporters in body fluids using vesicular transport assays. FASEB Journal, 2012, 26, 738-747.	0.5	53
16	Cancer drug pan-resistance: pumps, cancer stem cells, quiescence, epithelial to mesenchymal transition, blocked cell death pathways, persisters or what?. Open Biology, 2012, 2, 120066.	3.6	169
17	Impact of Intertumoral Heterogeneity on Predicting Chemotherapy Response of BRCA1-Deficient Mammary Tumors. Cancer Research, 2012, 72, 2350-2361.	0.9	48
18	Glucosylated Hydroxymethyluracil, DNA Base J, Prevents Transcriptional Readthrough in Leishmania. Cell, 2012, 150, 909-921.	28.9	138

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19	Drug resistance in the mouse cancer clinic. Drug Resistance Updates, 2012, 15, 81-89.	14.4	33
20	Binding of the J-Binding Protein to DNA Containing Glucosylated hmU (Base J) or 5-hmC: Evidence for a Rapid Conformational Change upon DNA Binding. Journal of the American Chemical Society, 2012, 134, 13357-13365.	13.7	15
21	ABCC6 does not transport vitamin K3-glutathione conjugate from the liver: Relevance to pathomechanisms of pseudoxanthoma elasticum. Biochemical and Biophysical Research Communications, 2011, 415, 468-471.	2.1	23
22	The structural basis for recognition of base J containing DNA by a novel DNA binding domain in JBP1. Nucleic Acids Research, 2011, 39, 5715-5728.	14.5	32
23	Identification of multidrug resistance protein 1 (MRP1/ABCC1) as a molecular gate for cellular export of cobalamin. Blood, 2010, 115, 1632-1639.	1.4	111
24	Sensitivity and Acquired Resistance of BRCA1;p53-Deficient Mouse Mammary Tumors to the Topoisomerase I Inhibitor Topotecan. Cancer Research, 2010, 70, 1700-1710.	0.9	76
25	Tumor-initiating cells are not enriched in cisplatin-surviving BRCA1;p53-deficient mammary tumor cells in vivo. Cell Cycle, 2010, 9, 3804-3815.	2.6	24
26	Do predictive signatures really predict response to cancer chemotherapy?Â. Cell Cycle, 2010, 9, 4836-4840.	2.6	58
27	Abstract A14: Lack of tumor eradication of chemotherapy-sensitive BRCA1;p53-deficient mouse mammary tumors. , 2010, , .		0
28	Moderate Increase in <i>Mdr1a/1b</i> Expression Causes <i>In vivo</i> Resistance to Doxorubicin in a Mouse Model for Hereditary Breast Cancer. Cancer Research, 2009, 69, 6396-6404.	0.9	88
29	Intestinal Breast Cancer Resistance Protein (BCRP)/Bcrp1 and Multidrug Resistance Protein 3 (MRP3)/Mrp3 Are Involved in the Pharmacokinetics of Resveratrol. Molecular Pharmacology, 2009, 75, 876-885.	2.3	115
30	Evidence that J-binding protein 2 is a thymidine hydroxylase catalyzing the first step in the biosynthesis of DNA base J. Molecular and Biochemical Parasitology, 2009, 164, 157-161.	1.1	30
31	Targeted Metabolomics Identifies Glucuronides of Dietary Phytoestrogens as a Major Class of MRP3 Substrates In Vivo. Gastroenterology, 2009, 137, 1725-1735.	1.3	48
32	Base J: Discovery, Biosynthesis, and Possible Functions. Annual Review of Microbiology, 2008, 62, 235-251.	7.3	164
33	High sensitivity of BRCA1-deficient mammary tumors to the PARP inhibitor AZD2281 alone and in combination with platinum drugs. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17079-17084.	7.1	854
34	Does the absence of ABCC6 (Multidrug Resistance Protein 6) in patients with<i>Pseudoxanthoma elasticum</i>prevent the liver from providing sufficient vitamin K to the periphery?. Cell Cycle, 2008, 7, 1575-1579.	2.6	74
35	How do real tumors become resistant to cisplatin?. Cell Cycle, 2008, 7, 1353-1359.	2.6	185
36	The protein that binds to DNA base J in trypanosomatids has features of a thymidine hydroxylase. Nucleic Acids Research, 2007, 35, 2107-2115.	14.5	84

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37	What Makes Tumors Multidrug Resistant?. Cell Cycle, 2007, 6, 2782-2787.	2.6	97
38	Multidrug resistance-associated protein 9 (ABCC12) is present in mouse and boar sperm. Biochemical Journal, 2007, 406, 31-40.	3.7	42
39	Selective induction of chemotherapy resistance of mammary tumors in a conditional mouse model for hereditary breast cancer. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12117-12122.	7.1	279
40	Multidrug Resistance Proteins 2 and 3 Provide Alternative Routes for Hepatic Excretion of Morphine-Glucuronides. Molecular Pharmacology, 2007, 72, 387-394.	2.3	97
41	Telomeric localization of the modified DNA base J in the genome of the protozoan parasite Leishmania. Nucleic Acids Research, 2007, 35, 2116-2124.	14.5	32
42	Analysis of telomere length variation in Leishmania over time. Molecular and Biochemical Parasitology, 2007, 151, 213-215.	1.1	5
43	Bill Slater at 90. IUBMB Life, 2007, 59, 48-49.	3.4	2
44	Multidrug resistance-associated proteins 3, 4, and 5. Pflugers Archiv European Journal of Physiology, 2007, 453, 661-673.	2.8	256
45	Mice lacking Mrp3 (Abcc3) have normal bile salt transport, but altered hepatic transport of endogenous glucuronides. Journal of Hepatology, 2006, 44, 768-775.	3.7	158
46	Switching like for like. Nature, 2006, 439, 926-927.	27.8	10
47	How I became a biochemist. IUBMB Life, 2006, 58, 177-182.	3.4	5
48	Ethidium DNA agarose gel electrophoresis: How it started. IUBMB Life, 2005, 57, 745-747.	3.4	36
49	Trypanosomes change their transferrin receptor expression to allow effective uptake of host transferrin. Molecular Microbiology, 2005, 58, 151-165.	2.5	37
50	A minor fraction of base J in kinetoplastid nuclear DNA is bound by the J-binding protein 1. Molecular and Biochemical Parasitology, 2005, 143, 111-115.	1.1	14
51	Altered disposition of acetaminophen in mice with a disruption of theMrp3 gene. Hepatology, 2005, 42, 1091-1098.	7.3	99
52	Mice lacking multidrug resistance protein 3 show altered morphine pharmacokinetics and morphine-6-glucuronide antinociception. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7274-7279.	7.1	191
53	The Human Multidrug Resistance Protein MRP5 Transports Folates and Can Mediate Cellular Resistance against Antifolates. Cancer Research, 2005, 65, 4425-4430.	0.9	114
54	Formation of linear inverted repeat amplicons following targeting of an essential gene in Leishmania. Nucleic Acids Research, 2005, 33, 1699-1709.	14.5	48

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55	Interactions between Hepatic Mrp4 and Sult2a as Revealed by the Constitutive Androstane Receptor and Mrp4 Knockout Mice. Journal of Biological Chemistry, 2004, 279, 22250-22257.	3.4	211
56	Factors Affecting the Level and Localization of the Transferrin Receptor in Trypanosoma brucei. Journal of Biological Chemistry, 2004, 279, 40690-40698.	3.4	44
57	Base J, found in nuclear DNA of Trypanosoma brucei, is not a target for DNA glycosylases. DNA Repair, 2004, 3, 145-154.	2.8	11
58	Cancer cell death by programmed necrosis?. Drug Resistance Updates, 2004, 7, 321-324.	14.4	33
59	Delineation of the regulated Variant Surface Glycoprotein gene expression site domain of Trypanosoma brucei. Molecular and Biochemical Parasitology, 2003, 128, 147-156.	1.1	18
60	Reinvestigation into the Synthesis of Oligonucleotides Containing 5-(Î²-D-Glucopyranosyloxymethyl)-2â€²-deoxyuridine. European Journal of Organic Chemistry, 2003, 2003, 3832-3839.	2.4	16
61	The expression level determines the surface distribution of the transferrin receptor in Trypanosoma brucei. Molecular Microbiology, 2003, 47, 23-35.	2.5	39
62	THE MULTIDRUG RESISTANCE PROTEINS 3â€“7. , 2003, , 445-458.		6
63	Mechanisms of Antigenic Variation. , 2003, , 1-15.		10
64	LIPID TRANSPORT BY ABC TRANSPORTERS. , 2003, , 461-478.		5
65	The human multidrug resistance protein MRP4 functions as a prostaglandin efflux transporter and is inhibited by nonsteroidal antiinflammatory drugs. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9244-9249.	7.1	478
66	Characterization of the MRP4- and MRP5-mediated Transport of Cyclic Nucleotides from Intact Cells. Journal of Biological Chemistry, 2003, 278, 17664-17671.	3.4	233
67	Evidence for Two Interacting Ligand Binding Sites in Human Multidrug Resistance Protein 2 (ATP) Tj ETQq1 1 0.784314 rgBT /Overlock	3.4	177
68	Characterization of the Transport of Nucleoside Analog Drugs by the Human Multidrug Resistance Proteins MRP4 and MRP5. Molecular Pharmacology, 2003, 63, 1094-1103.	2.3	346
69	Steroid and bile acid conjugates are substrates of human multidrug-resistance protein (MRP) 4 (ATP-binding cassette C4). Biochemical Journal, 2003, 371, 361-367.	3.7	291
70	Transport of bile acids in multidrug-resistance-protein 3-overexpressing cells co-transfected with the ileal Na+-dependent bile-acid transporter. Biochemical Journal, 2003, 369, 23-30.	3.7	93
71	Expression of the human DNA glycosylase hSMUG1 in Trypanosoma brucei causes DNA damage and interferes with J biosynthesis. Nucleic Acids Research, 2002, 30, 3919-3926.	14.5	18
72	Site-specific Interactions of JBP with Base and Sugar Moieties in Duplex J-DNA. Journal of Biological Chemistry, 2002, 277, 28150-28156.	3.4	22

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73	Recognition of Base J in Duplex DNA by J-binding Protein. Journal of Biological Chemistry, 2002, 277, 958-966.	3.4	37
74	Antigenic Variation and Allelic Exclusion. Cell, 2002, 109, 5-8.	28.9	157
75	The physiological significance of transferrin receptor variations in Trypanosoma brucei. Molecular and Biochemical Parasitology, 2002, 119, 237-247.	1.1	54
76	Expression site activation in Trypanosoma brucei with three marked variant surface glycoprotein gene expression sites. Molecular and Biochemical Parasitology, 2002, 120, 225-235.	1.1	27
77	The architecture of variant surface glycoprotein gene expression sites in Trypanosoma brucei. Molecular and Biochemical Parasitology, 2002, 122, 131-140.	1.1	98
78	J-binding protein increases the level and retention of the unusual base J in trypanosome DNA. Molecular Microbiology, 2002, 46, 37-47.	2.5	45
79	Tissue Distribution and Induction of Human Multidrug Resistant Protein 3. Laboratory Investigation, 2002, 82, 193-201.	3.7	250
80	Does resistance to apoptosis affect clinical response to antitumor drugs?. Drug Resistance Updates, 2001, 4, 129-131.	14.4	37
81	Control of VSG gene expression sites. Molecular and Biochemical Parasitology, 2001, 114, 17-27.	1.1	115
82	Characterization of Drug Transport by the Human Multidrug Resistance Protein 3 (ABCC3). Journal of Biological Chemistry, 2001, 276, 46400-46407.	3.4	227
83	Tandemly repeated DNA is a target for the partial replacement of thymine by Î²-d-glucosyl-hydroxymethyluracil in Trypanosoma brucei. Molecular and Biochemical Parasitology, 2000, 109, 133-145.	1.1	54
84	MDR3 P-glycoprotein, a Phosphatidylcholine Translocase, Transports Several Cytotoxic Drugs and Directly Interacts with Drugs as Judged by Interference with Nucleotide Trapping. Journal of Biological Chemistry, 2000, 275, 23530-23539.	3.4	220
85	Base J originally found in Kinetoplastida is also a minor constituent of nuclear DNA of Euglena gracilis. Nucleic Acids Research, 2000, 28, 3017-3021.	14.5	65
86	A Family of Drug Transporters: the Multidrug Resistance-Associated Proteins. Journal of the National Cancer Institute, 2000, 92, 1295-1302.	6.3	1,579
87	The modified base J is the target for a novelDNA-binding protein in kinetoplastid protozoans. EMBO Journal, 1999, 18, 6573-6581.	7.8	67
88	The multidrug resistance protein family. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1461, 347-357.	2.6	550
89	Changes in expression site control and DNA modification in Trypanosoma brucei during differentiation of the bloodstream form to the procyclic form. Molecular and Biochemical Parasitology, 1998, 93, 115-130.	1.1	15
90	The modified DNA base Î²-d-glucosyl-hydroxymethyluracil is not found in the tsetse fly stages of Trypanosoma brucei. Molecular and Biochemical Parasitology, 1998, 94, 127-130.	1.1	18

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91	The Modified DNA Base Î²-d-Glucosylhydroxymethyluracil Confers Resistance to Micrococcal Nuclease and Is Incompletely Recovered by32P-Postlabeling. Analytical Biochemistry, 1998, 258, 223-229.	2.4	24
92	Hepatocyte-specific expression of the humanMDR3P-glycoprotein gene restores the biliary phosphatidylcholine excretion absent inMdr2 (?/?) mice. Hepatology, 1998, 28, 530-536.	7.3	126
93	Multidrug Resistance Protein 1 Protects the Oropharyngeal Mucosal Layer and the Testicular Tubules against Drug-induced Damage. Journal of Experimental Medicine, 1998, 188, 797-808.	8.5	197
94	Biosynthesis and Function of the Modified DNA Base Î²-<scp>d</scp>-Glucosyl-Hydroxymethyluracil in <i>Trypanosoma brucei</i>. Molecular and Cellular Biology, 1998, 18, 5643-5651.	2.3	68
95	Increased sensitivity to anticancer drugs and decreased inflammatory response in mice lacking the multidrug resistance-associated protein. Nature Medicine, 1997, 3, 1275-1279.	30.7	409
96	Î²-d-glucosyl-hydroxymethyluracil, a novel base in African trypanosomes and other Kinetoplastida. Molecular and Biochemical Parasitology, 1997, 90, 1-8.	1.1	44
97	Genetic dissection of the function of mammalian P-glycoproteins. Trends in Genetics, 1997, 13, 217-222.	6.7	129
98	Substantial excretion of digoxin via the intestinal mucosa and prevention of longâ€term digoxin accumulation in the brain by the mdrla Pâ€glycoprotein. British Journal of Pharmacology, 1996, 119, 1038-1044.	5.4	248
99	Transport of the glutathione conjugate of ethacrynic acid by the human multidrug resistance protein MRP. FEBS Letters, 1996, 391, 126-130.	2.8	55
100	Telomere exchange can be an important mechanism of Variant Surface Glycoprotein gene switching in Trypanosoma brucei. Molecular and Biochemical Parasitology, 1996, 80, 65-75.	1.1	66
101	A ribosomal DNA promoter replacing the promoter of a telomeric VSG gene expression site can be efficiently switched on and off in T. brucei. Cell, 1995, 83, 547-553.	28.9	141
102	Antigenic variation in African trypanosomes. Science, 1994, 264, 1872-1873.	12.6	118
103	Stable transformation of Trypanosoma brucei. Molecular and Biochemical Parasitology, 1993, 59, 133-142.	1.1	51
104	Insertion of the promoter for a variant surface glycoprotein gene expression site in an RNA polymerase II transcription unit of procyclic Trypanosoma brucei. Molecular and Biochemical Parasitology, 1993, 57, 295-304.	1.1	14
105	Î²-d-glucosyl-hydroxymethyluracil: A novel modified base present in the DNA of the parasitic protozoan T. brucei. Cell, 1993, 75, 1129-1136.	28.9	191
106	The identification of hydroxymethyluracil in DNA ofTrypanosoma brucei. Nucleic Acids Research, 1993, 21, 2039-2043.	14.5	22
107	A phosphoglycerate kinase-related gene conserved between Trypanosoma brucei and Crithidia fasciculata. Molecular and Biochemical Parasitology, 1992, 50, 69-78.	1.1	24
108	Alpha-amanitin-resistant transcription units in trypanosomes: a comparison of promoter sequences for a VSG gene expression site and for the ribosomal RNA genes. Nucleic Acids Research, 1991, 19, 5153-5158.	14.5	117

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109	A novel DNA nucleotide inTrypanosoma bruceionly present in the mammalian phase of the life-cycle. Nucleic Acids Research, 1991, 19, 1745-1751.	14.5	65
110	Antigenic variation inTrypanosoma brucei: a telomeric expression site for variant-specific surface glycoprotein genes with novel features. Nucleic Acids Research, 1991, 19, 1359-1368.	14.5	59
111	Structure of a telomeric expression site for variant specific surface antigens in Trypanosoma brucei. Molecular and Biochemical Parasitology, 1990, 42, 1-12.	1.1	31
112	Peroxisome biogenesis revisited. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1989, 1008, 1-13.	2.4	177
113	Nucleoside analysis of DNA from Trypanosoma brucei and Trypanosoma equiperdum. Molecular and Biochemical Parasitology, 1988, 31, 127-131.	1.1	15
114	The tissue dependent expression of hamster P-glycoprotein genes. FEBS Letters, 1988, 229, 329-332.	2.8	40
115	Post-transcriptional control of the differential expression of phosphoglycerate kinase genes in Trypanosoma brucei. Journal of Molecular Biology, 1988, 201, 315-325.	4.2	136
116	Boundaries of telomere conversion in Trypanosoma brucei. Gene, 1988, 69, 1-11.	2.2	36
117	Controlled turnover and 3â€² trimming of thetranssplicing precursor ofTrypanosoma brucei. Nucleic Acids Research, 1987, 15, 10087-10103.	14.5	24
118	RNA end-labeling and RNA ligase activities can produce a circular rRNA in whole cell extracts from trypanosomes. Nucleic Acids Research, 1987, 15, 3275-3290.	14.5	49
119	Coincident multiple activations of the same surface antigen gene in Trypanosoma brucei. Journal of Molecular Biology, 1987, 194, 81-90.	4.2	34
120	Trypanosoma brucei variant-specific glycoprotein gene chromatin is sensitive to single-strand-specific endonuclease digestion. Journal of Molecular Biology, 1987, 197, 471-483.	4.2	28
121	Kinetoplast DNA of Trypanosoma evansi. Molecular and Biochemical Parasitology, 1987, 23, 31-38.	1.1	136
122	Mapping of VSG genes on large expression-site chromosomes of Trypanosoma brucei separated by pulsed-field gradient electrophoresis. Gene, 1986, 43, 213-220.	2.2	49
123	How proteins get into microbodies (peroxisomes, glyoxysomes, glycosomes). Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1986, 866, 179-203.	2.4	158
124	Three small RNAs within the 10 kb trypanosome rRNA transcription unit are analogous to Domain VII of other eukaryotic 28S rRNAs. Nucleic Acids Research, 1986, 14, 9471-9489.	14.5	245
125	Further analysis of intraspecific variation in Trypanosoma brucei using restriction site polymorphisms in the maxi-circle of kinetoplast DNA. Molecular and Biochemical Parasitology, 1985, 15, 21-36.	1.1	59
126	Kinetoplast DNA from Trypanosoma vivax and T. congolense. Molecular and Biochemical Parasitology, 1985, 15, 129-142.	1.1	32

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127	Mature mRNAs ofTrypanosoma bruceipossess a 5â€² cap acquired by discontinuous RNA synthesis. Nucleic Acids Research, 1985, 13, 4253-4266.	14.5	106
128	Further characterization of the extremely small mitocbondrial ribosomal RNAs from trypanosomes: a detailed comparison of the 9S and 12S RNAs fromCrithidia fasciculateandTrypanosoma bruceiwith rRNAs from other organisms. Nucleic Acids Research, 1985, 13, 4171-4190.	14.5	92
129	Characteristics of trypanosome variant antigen genes active in the tsetse fly. Nucleic Acids Research, 1985, 13, 4661-4676.	14.5	43
130	Trypanosome variant surface glycoprotein genes expressed early in infection. Journal of Molecular Biology, 1985, 182, 383-396.	4.2	65
131	Two simultaneously active VSG gene transcription units in a single trypanosoma brucei variant. Cell, 1985, 41, 825-832.	28.9	50
132	Many trypanosome messenger RNAs share a common 5â€² terminal sequence. Nucleic Acids Research, 1984, 12, 3777-3790.	14.5	134
133	Î±-Amanitin-insensitive transcription of variant surface glycoprotein genes provides further evidence for discontinuous transcription in trypanosomes. Nucleic Acids Research, 1984, 12, 9457-9472.	14.5	233
134	Comparison of the genes coding for the common 5â€² terminal sequence of messenger RNAs in three trypanosome species. Nucleic Acids Research, 1984, 12, 4431-4443.	14.5	148
135	Modification of telomeric DNA inTrypanosoma brucei;a role in antigenic variation?. Nucleic Acids Research, 1984, 12, 4153-4170.	14.5	103
136	Antigenic variation in trypanosoma brucei analyzed by electrophoretic separation of chromosome-sized DNA molecules. Cell, 1984, 37, 77-84.	28.9	386
137	Structure of the growing telomeres of trypanosomes. Cell, 1984, 36, 459-468.	28.9	238
138	Chromosome rearrangements in trypanosoma brucei. Cell, 1984, 39, 213-221.	28.9	167
139	Growth of chromosome ends in multiplying trypanosomes. Nature, 1983, 303, 592-597.	27.8	250
140	Severe plasmalogen deficiency in tissues of infants without peroxisomes (Zellweger syndrome). Nature, 1983, 306, 69-70.	27.8	328
141	Activation of the genes for variant surface glycoproteins 117 and 118 in Trypanosoma brucei. Journal of Molecular Biology, 1983, 166, 537-556.	4.2	124
142	The transposition unit of variant surface glycoprotein gene 118 of Trypanosoma brucei. Journal of Molecular Biology, 1983, 167, 57-75.	4.2	149
143	Tandem repetition of the 5â€² mini-exon of variant surface glycoprotein genes: A multiple promoter for VSG gene transcription?. Cell, 1983, 34, 891-900.	28.9	169
144	Telomere conversion in trypanosomes. Nucleic Acids Research, 1983, 11, 8149-8165.	14.5	80

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145	Size fractionation ofTrypanosoma bruceiDNA: localization of the 177-bp repeat satellite DNA and a variant surface glycoprotein gene in a mini-chromosomal DNA fraction. Nucleic Acids Research, 1983, 11, 3889-3901.	14.5	62
146	Characterization of the expression-linked gene copies of variant surface glycoprotein 118 in two independently isolated clones ofTrypanosoma brucel. Nucleic Acids Research, 1982, 10, 2353-2366.	14.5	55
147	Molecular basis for trypanosome antigenic variation. Cell, 1982, 29, 291-303.	28.9	377
148	On the DNA content and ploidy of trypanosomes. Molecular and Biochemical Parasitology, 1982, 6, 13-23.	1.1	177
149	Mitochondrial mosaics â€" maturases on the move. Nature, 1982, 298, 703-704.	27.8	23
150	Genomic environment of the expression-linked extra copies of genes for surface antigens of Trypanosoma brucei resembles the end of a chromosome. Nature, 1982, 299, 451-453.	27.8	198
151	Activation of trypanosome surface glycoprotein genes involves a duplication-transposition leading to an altered 3â€² end. Cell, 1981, 27, 497-505.	28.9	278
152	Subcellular Compartmentation of Glycolytic Intermediates in Trypanosoma brucei. FEBS Journal, 1981, 118, 521-526.	0.2	101
153	One gene's intron is another gene's exon. Nature, 1981, 289, 439-440.	27.8	76
154	Small is beautiful â€" portrait of a mitochondrial genome. Nature, 1981, 290, 443-444.	27.8	103
155	Quantitation of genetic differences between Trypanosoma brucei gambiense, rhodesiense and brucei by restriction enzyme analysis of kinetoplast DNA. Molecular and Biochemical Parasitology, 1981, 3, 117-131.	1.1	61
156	Localization of Glycerol-3-Phosphate Oxidase in the Mitochondrion and Particulate NAD+-Linked Glycerol-3-Phosphate Dehydrogenase in the Microbodies of the Bloodstream Form of Trypanosoma brucei. FEBS Journal, 1977, 76, 29-39.	0.2	124
157	Localization of nine glycolytic enzymes in a microbody-like organelle in Trypanosoma brucei : The glycosome. FEBS Letters, 1977, 80, 360-364.	2.8	585
158	Maxi-circles in the kinetoplast DNA of Trypanosoma mega. Experimental Cell Research, 1977, 110, 167-173.	2.6	21
159	New approach to screening drugs for activity against African trypanosomes. Nature, 1977, 265, 270-271.	27.8	106
160	Particle-Bound Enzymes in the Bloodstream Form of Trypanosoma brucei. FEBS Journal, 1977, 76, 21-28.	0.2	94
161	Fine structure physical mapping of 4S RNA genes on mitochondrial DNA ofSaccharomyces cerevisiae. Molecular Genetics and Genomics, 1977, 154, 255-262.	2.4	53
162	The potential use of inhibitors of glycerol-3-phosphate oxidase for chemotherapy of African trypanosomiasis. FEBS Letters, 1976, 62, 169-172.	2.8	84

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163	The Structure of Kinetoplast DNA. 1. The Mini-circles of Crithidia luciliae are Heterogeneous in Base Sequence. FEBS Journal, 1976, 64, 141-151.	0.2	59
164	The Structure of Kinetoplast DNA. 2. Characterization of a Novel Component of High Complexity Present in the Kinetoplast DNA Network of Crithidia luciliae. FEBS Journal, 1976, 64, 153-160.	0.2	54
165	The organization of genes in yeast mitochondrial DNA. Molecular Genetics and Genomics, 1975, 143, 53-64.	2.4	75
166	Mitochondrial Nucleic Acids. Biochemical Society Transactions, 1974, 2, 182-185.	3.4	4
167	Replicative Intermediates of Tetrahymena pyriformis Mitochondrial Deoxyribonucleic Acid. Biochemical Society Transactions, 1974, 2, 227-229.	3.4	6
168	The Effect of Temperature and Ionic Strength on the Electrophoretic Mobility of Yeast Mitochondrial RNA. FEBS Journal, 1971, 19, 64-72.	0.2	60
169	Hydrogen transport and transport metabolites. , 1963, , 137-162.		84