

Piet Borst

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

165
papers

18,442
citations

76
h-index

134
g-index

170
ext. papers

19,466
ext. citations

14.4
avg, IF

6.4
L-index

#	Paper	IF	Citations
165	Looking back at multidrug resistance (MDR) research and ten mistakes to be avoided when writing about ABC transporters in MDR. <i>FEBS Letters</i> , 2020 , 594, 4001-4011	3.8	12
164	The malate-aspartate shuttle (Borst cycle): How it started and developed into a major metabolic pathway. <i>IUBMB Life</i> , 2020 , 72, 2241-2259	4.7	43
163	PXE, a Mysterious Inborn Error Clarified. <i>Trends in Biochemical Sciences</i> , 2019 , 44, 125-140	10.3	25
162	Edward Charles Slater. 16 January 1917 – 6 March 2016. <i>Biographical Memoirs of Fellows of the Royal Society</i> , 2017 , 63, 527-551	0.1	1
161	HELB Is a Feedback Inhibitor of DNA End Resection. <i>Molecular Cell</i> , 2016 , 61, 405-418	17.6	92
160	Maxi-circles, glycosomes, gene transposition, expression sites, transsplicing, transferrin receptors and base J. <i>Molecular and Biochemical Parasitology</i> , 2016 , 205, 39-52	1.9	2
159	BRCA2-deficient sarcomatoid mammary tumors exhibit multidrug resistance. <i>Cancer Research</i> , 2015 , 75, 732-41	10.1	36
158	Defining the sequence requirements for the positioning of base J in DNA using SMRT sequencing. <i>Nucleic Acids Research</i> , 2015 , 43, 2102-15	20.1	19
157	REV7 counteracts DNA double-strand break resection and affects PARP inhibition. <i>Nature</i> , 2015 , 521, 541-544	50.4	376
156	Subunit composition of VRAC channels determines substrate specificity and cellular resistance to Pt-based anti-cancer drugs. <i>EMBO Journal</i> , 2015 , 34, 2993-3008	13	159
155	ATP-binding Cassette Subfamily C Member 5 (ABCC5) Functions as an Efflux Transporter of Glutamate Conjugates and Analogs. <i>Journal of Biological Chemistry</i> , 2015 , 290, 30429-40	5.4	36
154	ABCC6-mediated ATP secretion by the liver is the main source of the mineralization inhibitor inorganic pyrophosphate in the systemic circulation-brief report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 1985-9	9.4	196
153	Loss of 53BP1 causes PARP inhibitor resistance in Brca1-mutated mouse mammary tumors. <i>Cancer Discovery</i> , 2013 , 3, 68-81	24.4	346
152	P-glycoprotein ABCB1: a major player in drug handling by mammals. <i>Journal of Clinical Investigation</i> , 2013 , 123, 4131-3	15.9	92
151	Glucosylated hydroxymethyluracil, DNA base J, prevents transcriptional readthrough in Leishmania. <i>Cell</i> , 2012 , 150, 909-21	56.2	109
150	Drug resistance in the mouse cancer clinic. <i>Drug Resistance Updates</i> , 2012 , 15, 81-9	23.2	27
149	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. <i>Journal of the American Chemical Society</i> , 2012 , 134, 13357-65	16.4	11

148	Transportomics: screening for substrates of ABC transporters in body fluids using vesicular transport assays. <i>FASEB Journal</i> , 2012 , 26, 738-47	0.9	49
147	Cancer drug pan-resistance: pumps, cancer stem cells, quiescence, epithelial to mesenchymal transition, blocked cell death pathways, persists or what?. <i>Open Biology</i> , 2012 , 2, 120066	7	129
146	Impact of intertumoral heterogeneity on predicting chemotherapy response of BRCA1-deficient mammary tumors. <i>Cancer Research</i> , 2012 , 72, 2350-61	10.1	41
145	ABCC6 does not transport vitamin K3-glutathione conjugate from the liver: relevance to pathomechanisms of pseudoxanthoma elasticum. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 415, 468-71	3.4	19
144	The structural basis for recognition of base J containing DNA by a novel DNA binding domain in JBP1. <i>Nucleic Acids Research</i> , 2011 , 39, 5715-28	20.1	24
143	Sensitivity and acquired resistance of BRCA1;p53-deficient mouse mammary tumors to the topoisomerase I inhibitor topotecan. <i>Cancer Research</i> , 2010 , 70, 1700-10	10.1	67
142	Tumor-initiating cells are not enriched in cisplatin-surviving BRCA1;p53-deficient mammary tumor cells in vivo. <i>Cell Cycle</i> , 2010 , 9, 3780-91	4.7	24
141	Do predictive signatures really predict response to cancer chemotherapy?. <i>Cell Cycle</i> , 2010 , 9, 4836-40	4.7	46
140	Identification of multidrug resistance protein 1 (MRP1/ABCC1) as a molecular gate for cellular export of cobalamin. <i>Blood</i> , 2010 , 115, 1632-9	2.2	93
139	Moderate increase in Mdr1a/1b expression causes in vivo resistance to doxorubicin in a mouse model for hereditary breast cancer. <i>Cancer Research</i> , 2009 , 69, 6396-404	10.1	79
138	Intestinal breast cancer resistance protein (BCRP)/Bcrp1 and multidrug resistance protein 3 (MRP3)/Mrp3 are involved in the pharmacokinetics of resveratrol. <i>Molecular Pharmacology</i> , 2009 , 75, 876-85	4.3	110
137	Evidence that J-binding protein 2 is a thymidine hydroxylase catalyzing the first step in the biosynthesis of DNA base J. <i>Molecular and Biochemical Parasitology</i> , 2009 , 164, 157-61	1.9	29
136	Targeted metabolomics identifies glucuronides of dietary phytoestrogens as a major class of MRP3 substrates in vivo. <i>Gastroenterology</i> , 2009 , 137, 1725-35	13.3	45
135	Base J: discovery, biosynthesis, and possible functions. <i>Annual Review of Microbiology</i> , 2008 , 62, 235-51	17.5	144
134	High sensitivity of BRCA1-deficient mammary tumors to the PARP inhibitor AZD2281 alone and in combination with platinum drugs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 17079-84	11.5	707
133	Does the absence of ABCC6 (multidrug resistance protein 6) in patients with Pseudoxanthoma elasticum prevent the liver from providing sufficient vitamin K to the periphery?. <i>Cell Cycle</i> , 2008 , 7, 1575-9	4.7	65
132	How do real tumors become resistant to cisplatin?. <i>Cell Cycle</i> , 2008 , 7, 1353-9	4.7	168
131	Analysis of telomere length variation in <i>Leishmania</i> over time. <i>Molecular and Biochemical Parasitology</i> , 2007 , 151, 213-5	1.9	4

130	Bill Slater at 90. <i>IUBMB Life</i> , 2007 , 59, 48-9	4.7	2
129	Multidrug resistance-associated proteins 3, 4, and 5. <i>Pflugers Archiv European Journal of Physiology</i> , 2007 , 453, 661-73	4.6	235
128	The protein that binds to DNA base J in trypanosomatids has features of a thymidine hydroxylase. <i>Nucleic Acids Research</i> , 2007 , 35, 2107-15	20.1	73
127	What makes tumors multidrug resistant?. <i>Cell Cycle</i> , 2007 , 6, 2782-7	4.7	89
126	Multidrug resistance-associated protein 9 (ABCC12) is present in mouse and boar sperm. <i>Biochemical Journal</i> , 2007 , 406, 31-40	3.8	40
125	Selective induction of chemotherapy resistance of mammary tumors in a conditional mouse model for hereditary breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 12117-22	11.5	241
124	Multidrug resistance proteins 2 and 3 provide alternative routes for hepatic excretion of morphine-glucuronides. <i>Molecular Pharmacology</i> , 2007 , 72, 387-94	4.3	89
123	Telomeric localization of the modified DNA base J in the genome of the protozoan parasite <i>Leishmania</i> . <i>Nucleic Acids Research</i> , 2007 , 35, 2116-24	20.1	26
122	Mice lacking Mrp3 (Abcc3) have normal bile salt transport, but altered hepatic transport of endogenous glucuronides. <i>Journal of Hepatology</i> , 2006 , 44, 768-75	13.4	150
121	How I became a biochemist. <i>IUBMB Life</i> , 2006 , 58, 177-82	4.7	3
120	The human multidrug resistance protein MRP5 transports folates and can mediate cellular resistance against antifolates. <i>Cancer Research</i> , 2005 , 65, 4425-30	10.1	102
119	Formation of linear inverted repeat amplicons following targeting of an essential gene in <i>Leishmania</i> . <i>Nucleic Acids Research</i> , 2005 , 33, 1699-709	20.1	42
118	Ethidium DNA agarose gel electrophoresis: how it started. <i>IUBMB Life</i> , 2005 , 57, 745-7	4.7	24
117	Trypanosomes change their transferrin receptor expression to allow effective uptake of host transferrin. <i>Molecular Microbiology</i> , 2005 , 58, 151-65	4.1	31
116	A minor fraction of base J in kinetoplastid nuclear DNA is bound by the J-binding protein 1. <i>Molecular and Biochemical Parasitology</i> , 2005 , 143, 111-5	1.9	14
115	Altered disposition of acetaminophen in mice with a disruption of the Mrp3 gene. <i>Hepatology</i> , 2005 , 42, 1091-8	11.2	92
114	Mice lacking multidrug resistance protein 3 show altered morphine pharmacokinetics and morphine-6-glucuronide antinociception. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 7274-9	11.5	176
113	Interactions between hepatic Mrp4 and Sult2a as revealed by the constitutive androstane receptor and Mrp4 knockout mice. <i>Journal of Biological Chemistry</i> , 2004 , 279, 22250-7	5.4	191

112	Factors affecting the level and localization of the transferrin receptor in <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 2004 , 279, 40690-8	5.4	38
111	Base J, found in nuclear DNA of <i>Trypanosoma brucei</i> , is not a target for DNA glycosylases. <i>DNA Repair</i> , 2004 , 3, 145-54	4.3	10
110	Cancer cell death by programmed necrosis?. <i>Drug Resistance Updates</i> , 2004 , 7, 321-4	23.2	31
109	Evidence for two interacting ligand binding sites in human multidrug resistance protein 2 (ATP binding cassette C2). <i>Journal of Biological Chemistry</i> , 2003 , 278, 23538-44	5.4	167
108	Characterization of the transport of nucleoside analog drugs by the human multidrug resistance proteins MRP4 and MRP5. <i>Molecular Pharmacology</i> , 2003 , 63, 1094-103	4.3	315
107	Steroid and bile acid conjugates are substrates of human multidrug-resistance protein (MRP) 4 (ATP-binding cassette C4). <i>Biochemical Journal</i> , 2003 , 371, 361-7	3.8	277
106	Transport of bile acids in multidrug-resistance-protein 3-overexpressing cells co-transfected with the ileal Na ⁺ -dependent bile-acid transporter. <i>Biochemical Journal</i> , 2003 , 369, 23-30	3.8	89
105	Delineation of the regulated Variant Surface Glycoprotein gene expression site domain of <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 2003 , 128, 147-56	1.9	17
104	Reinvestigation into the Synthesis of Oligonucleotides Containing 5-(β -D-Glucopyranosyloxymethyl)-2'-deoxyuridine. <i>European Journal of Organic Chemistry</i> , 2003 , 2003, 3832-3839	3.2	13
103	The expression level determines the surface distribution of the transferrin receptor in <i>Trypanosoma brucei</i> . <i>Molecular Microbiology</i> , 2003 , 47, 23-35	4.1	33
102	THE MULTIDRUG RESISTANCE PROTEINS 37 2003 , 445-458		6
101	Mechanisms of Antigenic Variation 2003 , 1-15		8
100	LIPID TRANSPORT BY ABC TRANSPORTERS 2003 , 461-478		5
99	The human multidrug resistance protein MRP4 functions as a prostaglandin efflux transporter and is inhibited by nonsteroidal antiinflammatory drugs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 9244-9	11.5	425
98	Characterization of the MRP4- and MRP5-mediated transport of cyclic nucleotides from intact cells. <i>Journal of Biological Chemistry</i> , 2003 , 278, 17664-71	5.4	210
97	The physiological significance of transferrin receptor variations in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 2002 , 119, 237-47	1.9	50
96	Expression site activation in <i>Trypanosoma brucei</i> with three marked variant surface glycoprotein gene expression sites. <i>Molecular and Biochemical Parasitology</i> , 2002 , 120, 225-35	1.9	26
95	The architecture of variant surface glycoprotein gene expression sites in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 2002 , 122, 131-40	1.9	88

94	J-binding protein increases the level and retention of the unusual base J in trypanosome DNA. <i>Molecular Microbiology</i> , 2002 , 46, 37-47	4.1	45
93	Tissue distribution and induction of human multidrug resistant protein 3. <i>Laboratory Investigation</i> , 2002 , 82, 193-201	5.9	236
92	Expression of the human DNA glycosylase hSMUG1 in <i>Trypanosoma brucei</i> causes DNA damage and interferes with J biosynthesis. <i>Nucleic Acids Research</i> , 2002 , 30, 3919-26	20.1	15
91	Site-specific interactions of JBP with base and sugar moieties in duplex J-DNA. Evidence for both major and minor groove contacts. <i>Journal of Biological Chemistry</i> , 2002 , 277, 28150-6	5.4	18
90	Recognition of base J in duplex DNA by J-binding protein. <i>Journal of Biological Chemistry</i> , 2002 , 277, 958-66	5.4	31
89	Antigenic variation and allelic exclusion. <i>Cell</i> , 2002 , 109, 5-8	56.2	137
88	Antigenic Variation in Eukaryotic Parasites 2002 , 953-971		5
87	Control of VSG gene expression sites. <i>Molecular and Biochemical Parasitology</i> , 2001 , 114, 17-27	1.9	109
86	Characterization of drug transport by the human multidrug resistance protein 3 (ABCC3). <i>Journal of Biological Chemistry</i> , 2001 , 276, 46400-7	5.4	202
85	Does resistance to apoptosis affect clinical response to antitumor drugs?. <i>Drug Resistance Updates</i> , 2001 , 4, 129-31	23.2	34
84	Tandemly repeated DNA is a target for the partial replacement of thymine by beta-D-glucosyl-hydroxymethyluracil in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 2000 , 109, 133-45	1.9	53
83	MDR3 P-glycoprotein, a phosphatidylcholine translocase, transports several cytotoxic drugs and directly interacts with drugs as judged by interference with nucleotide trapping. <i>Journal of Biological Chemistry</i> , 2000 , 275, 23530-9	5.4	189
82	Base J originally found in kinetoplastida is also a minor constituent of nuclear DNA of <i>Euglena gracilis</i> . <i>Nucleic Acids Research</i> , 2000 , 28, 3017-21	20.1	56
81	A family of drug transporters: the multidrug resistance-associated proteins. <i>Journal of the National Cancer Institute</i> , 2000 , 92, 1295-302	9.7	1437
80	The modified base J is the target for a novel DNA-binding protein in kinetoplastid protozoans. <i>EMBO Journal</i> , 1999 , 18, 6573-81	13	58
79	The multidrug resistance protein family. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999 , 1461, 347-578		478
78	Changes in expression site control and DNA modification in <i>Trypanosoma brucei</i> during differentiation of the bloodstream form to the procyclic form. <i>Molecular and Biochemical Parasitology</i> , 1998 , 93, 115-30	1.9	13
77	The modified DNA base beta-D-glucosyl-hydroxymethyluracil is not found in the tsetse fly stages of <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1998 , 94, 127-30	1.9	18

76	The modified DNA base beta-D-glucosylhydroxymethyluracil confers resistance to micrococcal nuclease and is incompletely recovered by 32P-postlabeling. <i>Analytical Biochemistry</i> , 1998 , 258, 223-9	3.1	22
75	Hepatocyte-specific expression of the human MDR3 P-glycoprotein gene restores the biliary phosphatidylcholine excretion absent in Mdr2 (-/-) mice. <i>Hepatology</i> , 1998 , 28, 530-6	11.2	118
74	Multidrug resistance protein 1 protects the oropharyngeal mucosal layer and the testicular tubules against drug-induced damage. <i>Journal of Experimental Medicine</i> , 1998 , 188, 797-808	16.6	184
73	Biosynthesis and function of the modified DNA base beta-D-glucosyl-hydroxymethyluracil in <i>Trypanosoma brucei</i> . <i>Molecular and Cellular Biology</i> , 1998 , 18, 5643-51	4.8	61
72	Increased sensitivity to anticancer drugs and decreased inflammatory response in mice lacking the multidrug resistance-associated protein. <i>Nature Medicine</i> , 1997 , 3, 1275-9	50.5	382
71	beta-D-glucosyl-hydroxymethyluracil, a novel base in African trypanosomes and other Kinetoplastida. <i>Molecular and Biochemical Parasitology</i> , 1997 , 90, 1-8	1.9	42
70	Genetic dissection of the function of mammalian P-glycoproteins. <i>Trends in Genetics</i> , 1997 , 13, 217-22	8.5	117
69	Substantial excretion of digoxin via the intestinal mucosa and prevention of long-term digoxin accumulation in the brain by the mdr 1a P-glycoprotein. <i>British Journal of Pharmacology</i> , 1996 , 119, 1038-44	8.6	218
68	Transport of the glutathione conjugate of ethacrynic acid by the human multidrug resistance protein MRP. <i>FEBS Letters</i> , 1996 , 391, 126-30	3.8	52
67	Telomere exchange can be an important mechanism of variant surface glycoprotein gene switching in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1996 , 80, 65-75	1.9	62
66	A ribosomal DNA promoter replacing the promoter of a telomeric VSG gene expression site can be efficiently switched on and off in <i>T. brucei</i> . <i>Cell</i> , 1995 , 83, 547-53	56.2	134
65	Antigenic variation in African trypanosomes. <i>Science</i> , 1994 , 264, 1872-3	33.3	109
64	beta-D-glucosyl-hydroxymethyluracil: a novel modified base present in the DNA of the parasitic protozoan <i>T. brucei</i> . <i>Cell</i> , 1993 , 75, 1129-36	56.2	168
63	The identification of hydroxymethyluracil in DNA of <i>Trypanosoma brucei</i> . <i>Nucleic Acids Research</i> , 1993 , 21, 2039-43	20.1	20
62	Stable transformation of <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1993 , 59, 133-42	1.9	48
61	Insertion of the promoter for a variant surface glycoprotein gene expression site in an RNA polymerase II transcription unit of procyclic <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1993 , 57, 295-304	1.9	13
60	A phosphoglycerate kinase-related gene conserved between <i>Trypanosoma brucei</i> and <i>Crithidia fasciculata</i> . <i>Molecular and Biochemical Parasitology</i> , 1992 , 50, 69-78	1.9	20
59	Alpha-amanitin-resistant transcription units in trypanosomes: a comparison of promoter sequences for a VSG gene expression site and for the ribosomal RNA genes. <i>Nucleic Acids Research</i> , 1991 , 19, 5153-8	20.1	113

58	A novel DNA nucleotide in <i>Trypanosoma brucei</i> only present in the mammalian phase of the life-cycle. <i>Nucleic Acids Research</i> , 1991 , 19, 1745-51	20.1	59
57	Antigenic variation in <i>Trypanosoma brucei</i> : a telomeric expression site for variant-specific surface glycoprotein genes with novel features. <i>Nucleic Acids Research</i> , 1991 , 19, 1359-68	20.1	55
56	Structure of a telomeric expression site for variant specific surface antigens in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1990 , 42, 1-12	1.9	29
55	Peroxisome biogenesis revisited. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1989 , 1008, 1-13		153
54	Nucleoside analysis of DNA from <i>Trypanosoma brucei</i> and <i>Trypanosoma equiperdum</i> . <i>Molecular and Biochemical Parasitology</i> , 1988 , 31, 127-31	1.9	14
53	The tissue dependent expression of hamster P-glycoprotein genes. <i>FEBS Letters</i> , 1988 , 229, 329-32	3.8	39
52	Post-transcriptional control of the differential expression of phosphoglycerate kinase genes in <i>Trypanosoma brucei</i> . <i>Journal of Molecular Biology</i> , 1988 , 201, 315-25	6.5	121
51	Boundaries of telomere conversion in <i>Trypanosoma brucei</i> . <i>Gene</i> , 1988 , 69, 1-11	3.8	36
50	Controlled turnover and 3' trimming of the trans splicing precursor of <i>Trypanosoma brucei</i> . <i>Nucleic Acids Research</i> , 1987 , 15, 10087-103	20.1	23
49	RNA end-labeling and RNA ligase activities can produce a circular rRNA in whole cell extracts from trypanosomes. <i>Nucleic Acids Research</i> , 1987 , 15, 3275-90	20.1	48
48	Coincident multiple activations of the same surface antigen gene in <i>Trypanosoma brucei</i> . <i>Journal of Molecular Biology</i> , 1987 , 194, 81-90	6.5	30
47	<i>Trypanosoma brucei</i> variant-specific glycoprotein gene chromatin is sensitive to single-strand-specific endonuclease digestion. <i>Journal of Molecular Biology</i> , 1987 , 197, 471-83	6.5	25
46	Kinetoplast DNA of <i>Trypanosoma evansi</i> . <i>Molecular and Biochemical Parasitology</i> , 1987 , 23, 31-8	1.9	119
45	Three small RNAs within the 10 kb trypanosome rRNA transcription unit are analogous to domain VII of other eukaryotic 28S rRNAs. <i>Nucleic Acids Research</i> , 1986 , 14, 9471-89	20.1	234
44	Mapping of VSG genes on large expression-site chromosomes of <i>Trypanosoma brucei</i> separated by pulsed-field gradient electrophoresis. <i>Gene</i> , 1986 , 43, 213-20	3.8	47
43	How proteins get into microbodies (peroxisomes, glyoxysomes, glycosomes). <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1986 , 866, 179-203		135
42	Further analysis of intraspecific variation in <i>Trypanosoma brucei</i> using restriction site polymorphisms in the maxi-circle of kinetoplast DNA. <i>Molecular and Biochemical Parasitology</i> , 1985 , 15, 21-36	1.9	55
41	Kinetoplast DNA from <i>Trypanosoma vivax</i> and <i>T. congolense</i> . <i>Molecular and Biochemical Parasitology</i> , 1985 , 15, 129-42	1.9	31

40	Mature mRNAs of <i>Trypanosoma brucei</i> possess a 5Qap acquired by discontinuous RNA synthesis. <i>Nucleic Acids Research</i> , 1985 , 13, 4253-66	20.1	102
39	Further characterization of the extremely small mitochondrial ribosomal RNAs from trypanosomes: a detailed comparison of the 9S and 12S RNAs from <i>Crithidia fasciculata</i> and <i>Trypanosoma brucei</i> with rRNAs from other organisms. <i>Nucleic Acids Research</i> , 1985 , 13, 4171-90	20.1	84
38	Characteristics of trypanosome variant antigen genes active in the tsetse fly. <i>Nucleic Acids Research</i> , 1985 , 13, 4661-76	20.1	41
37	Trypanosome variant surface glycoprotein genes expressed early in infection. <i>Journal of Molecular Biology</i> , 1985 , 182, 383-96	6.5	58
36	Two simultaneously active VSG gene transcription units in a single <i>Trypanosoma brucei</i> variant. <i>Cell</i> , 1985 , 41, 825-32	56.2	50
35	Many trypanosome messenger RNAs share a common 5Qterminal sequence. <i>Nucleic Acids Research</i> , 1984 , 12, 3777-90	20.1	124
34	Alpha-amanitin-insensitive transcription of variant surface glycoprotein genes provides further evidence for discontinuous transcription in trypanosomes. <i>Nucleic Acids Research</i> , 1984 , 12, 9457-72	20.1	225
33	Comparison of the genes coding for the common 5Qterminal sequence of messenger RNAs in three trypanosome species. <i>Nucleic Acids Research</i> , 1984 , 12, 4431-43	20.1	139
32	Modification of telomeric DNA in <i>Trypanosoma brucei</i> ; a role in antigenic variation?. <i>Nucleic Acids Research</i> , 1984 , 12, 4153-70	20.1	96
31	Antigenic variation in <i>Trypanosoma brucei</i> analyzed by electrophoretic separation of chromosome-sized DNA molecules. <i>Cell</i> , 1984 , 37, 77-84	56.2	361
30	Structure of the growing telomeres of Trypanosomes. <i>Cell</i> , 1984 , 36, 459-68	56.2	224
29	Chromosome rearrangements in <i>Trypanosoma brucei</i> . <i>Cell</i> , 1984 , 39, 213-21	56.2	160
28	Activation of the genes for variant surface glycoproteins 117 and 118 in <i>Trypanosoma brucei</i> . <i>Journal of Molecular Biology</i> , 1983 , 166, 537-56	6.5	121
27	The transposition unit of variant surface glycoprotein gene 118 of <i>Trypanosoma brucei</i> . Presence of repeated elements at its border and absence of promoter-associated sequences. <i>Journal of Molecular Biology</i> , 1983 , 167, 57-75	6.5	141
26	Tandem repetition of the 5Qmini-exon of variant surface glycoprotein genes: a multiple promoter for VSG gene transcription?. <i>Cell</i> , 1983 , 34, 891-900	56.2	148
25	Telomere conversion in trypanosomes. <i>Nucleic Acids Research</i> , 1983 , 11, 8149-65	20.1	78
24	Size fractionation of <i>Trypanosoma brucei</i> DNA: localization of the 177-bp repeat satellite DNA and a variant surface glycoprotein gene in a mini-chromosomal DNA fraction. <i>Nucleic Acids Research</i> , 1983 , 11, 3889-901	20.1	60
23	Growth of chromosome ends in multiplying trypanosomes. <i>Nature</i> , 1983 , 303, 592-7	50.4	231

22	Severe plasmalogen deficiency in tissues of infants without peroxisomes (Zellweger syndrome). <i>Nature</i> , 1983 , 306, 69-70	50.4	294
21	Characterization of the expression-linked gene copies of variant surface glycoprotein 118 in two independently isolated clones of <i>Trypanosoma brucei</i> . <i>Nucleic Acids Research</i> , 1982 , 10, 2353-66	20.1	53
20	Molecular basis for trypanosome antigenic variation. <i>Cell</i> , 1982 , 29, 291-303	56.2	351
19	On the DNA content and ploidy of trypanosomes. <i>Molecular and Biochemical Parasitology</i> , 1982 , 6, 13-23	1.9	165
18	Genomic environment of the expression-linked extra copies of genes for surface antigens of <i>Trypanosoma brucei</i> resembles the end of a chromosome. <i>Nature</i> , 1982 , 299, 451-3	50.4	180
17	Activation of trypanosome surface glycoprotein genes involves a duplication-transposition leading to an altered 3' end. <i>Cell</i> , 1981 , 27, 497-505	56.2	271
16	Subcellular compartmentation of glycolytic intermediates in <i>Trypanosoma brucei</i> . <i>FEBS Journal</i> , 1981 , 118, 521-6		92
15	Quantitation of genetic differences between <i>Trypanosoma brucei</i> gambiense, rhodesiense and brucei by restriction enzyme analysis of kinetoplast DNA. <i>Molecular and Biochemical Parasitology</i> , 1981 , 3, 117-31	1.9	59
14	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 <i>Trypanosoma brucei</i> . <i>FEBS Journal</i> , 1977 , 76, 29-39		111
13	Localization of nine glycolytic enzymes in a microbody-like organelle in <i>Trypanosoma brucei</i> : the glycosome. <i>FEBS Letters</i> , 1977 , 80, 360-4	3.8	485
12	Maxi-circles in the kinetoplast DNA of <i>Trypanosoma mega</i> . <i>Experimental Cell Research</i> , 1977 , 110, 167-73	4.2	21
11	New approach to screening drugs for activity against African trypanosomes. <i>Nature</i> , 1977 , 265, 270-1	50.4	99
10	Particle-bound enzymes in the bloodstream form of <i>Trypanosoma brucei</i> . <i>FEBS Journal</i> , 1977 , 76, 21-8		83
9	Fine structure physical mapping of 4S RNA genes on mitochondrial DNA of <i>Saccharomyces cerevisiae</i> . <i>Molecular Genetics and Genomics</i> , 1977 , 154, 255-62		51
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6	The structure of kinetoplast DNA. 2. Characterization of a novel component of high complexity present in the kinetoplast DNA network of <i>Crithidia luciliae</i> . <i>FEBS Journal</i> , 1976 , 64, 153-60		47
5	The organization of genes in yeast mitochondrial DNA II. The physical map of EcoRI and HindIII + III fragments. <i>Molecular Genetics and Genomics</i> , 1975 , 143, 53-64		70

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1	Hydrogen transport and transport metabolites 1963 , 137-162		69