

Piet Borst

List of Publications by Year in descending order

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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	A Family of Drug Transporters: the Multidrug Resistance-Associated Proteins. Journal of the National Cancer Institute, 2000, 92, 1295-1302.	6.3	1,579
2	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
3	Localization of nine glycolytic enzymes in a microbody-like organelle in Trypanosoma brucei : The glycosome. FEBS Letters, 1977, 80, 360-364.	2.8	585
4	The multidrug resistance protein family. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1461, 347-357.	2.6	550
5	REV7 counteracts DNA double-strand break resection and affects PARP inhibition. Nature, 2015, 521, 541-544.	27.8	487
6	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
7	Loss of 53BP1 Causes PARP Inhibitor Resistance in <i>Brcal</i> -Mutated Mouse Mammary Tumors. Cancer Discovery, 2013, 3, 68-81.	9.4	428
8	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
9	Antigenic variation in trypanosoma brucei analyzed by electrophoretic separation of chromosome-sized DNA molecules. Cell, 1984, 37, 77-84.	28.9	386
10	Molecular basis for trypanosome antigenic variation. Cell, 1982, 29, 291-303.	28.9	377
11	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
12	Severe plasmalogen deficiency in tissues of infants without peroxisomes (Zellweger syndrome). Nature, 1983, 306, 69-70.	27.8	328
13	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
14	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
15	Activation of trypanosome surface glycoprotein genes involves a duplication-transposition leading to an altered 3' end. Cell, 1981, 27, 497-505.	28.9	278
16	Multidrug resistance-associated proteins 3, 4, and 5. Pflugers Archiv European Journal of Physiology, 2007, 453, 661-673.	2.8	256
17	Growth of chromosome ends in multiplying trypanosomes. Nature, 1983, 303, 592-597.	27.8	250
18	Tissue Distribution and Induction of Human Multidrug Resistant Protein 3. Laboratory Investigation, 2002, 82, 193-201.	3.7	250

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19	Substantial excretion of digoxin via the intestinal mucosa and prevention of long-term digoxin accumulation in the brain by the mdrla P-glycoprotein. <i>British Journal of Pharmacology</i> , 1996, 119, 1038-1044.	5.4	248
20	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, 1985-1989.	2.4	246
21	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, 9471-9489.	14.5	245
22	Structure of the growing telomeres of trypanosomes. <i>Cell</i> , 1984, 36, 459-468.	28.9	238
23	Î±-Amanitin-insensitive transcription of variant surface glycoprotein genes provides further evidence for discontinuous transcription in trypanosomes. <i>Nucleic Acids Research</i> , 1984, 12, 9457-9472.	14.5	233
24	Characterization of the MRP4- and MRP5-mediated Transport of Cyclic Nucleotides from Intact Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 17664-17671.	3.4	233
25	Characterization of Drug Transport by the Human Multidrug Resistance Protein 3 (ABCC3). <i>Journal of Biological Chemistry</i> , 2001, 276, 46400-46407.	3.4	227
26	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, 23530-23539.	3.4	220
27	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, 22250-22257.	3.4	211
28	Subunit composition of VRAC channels determines substrate specificity and cellular resistance to P-tâ€based anti-cancer drugs. <i>EMBO Journal</i> , 2015, 34, 2993-3008.	7.8	209
29	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, 451-453.	27.8	198
30	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.	8.5	197
31	Î²-d-glucosyl-hydroxymethyluracil: A novel modified base present in the DNA of the parasitic protozoan <i>T. brucei</i> . <i>Cell</i> , 1993, 75, 1129-1136.	28.9	191
32	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, 7274-7279.	7.1	191
33	How do real tumors become resistant to cisplatin?. <i>Cell Cycle</i> , 2008, 7, 1353-1359.	2.6	185
34	On the DNA content and ploidy of trypanosomes. <i>Molecular and Biochemical Parasitology</i> , 1982, 6, 13-23.	1.1	177
35	Peroxisome biogenesis revisited. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1989, 1008, 1-13.	2.4	177
36	Evidence for Two Interacting Ligand Binding Sites in Human Multidrug Resistance Protein 2 (ATP) Tj ETQq0 0 0 rgBT /Overlock_10 Tf 50 0	3.4	177

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37	Tandem repetition of the 5' mini-exon of variant surface glycoprotein genes: A multiple promoter for VSG gene transcription?. <i>Cell</i> , 1983, 34, 891-900.	28.9	169
38	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.	3.6	169
39	Chromosome rearrangements in <i>trypanosoma brucei</i> . <i>Cell</i> , 1984, 39, 213-221.	28.9	167
40	Base J: Discovery, Biosynthesis, and Possible Functions. <i>Annual Review of Microbiology</i> , 2008, 62, 235-251.	7.3	164
41	How proteins get into microbodies (peroxisomes, glyoxysomes, glycosomes). <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1986, 866, 179-203.	2.4	158
42	Mice lacking Mrp3 (Abcc3) have normal bile salt transport, but altered hepatic transport of endogenous glucuronides. <i>Journal of Hepatology</i> , 2006, 44, 768-775.	3.7	158
43	Antigenic Variation and Allelic Exclusion. <i>Cell</i> , 2002, 109, 5-8.	28.9	157
44	The transposition unit of variant surface glycoprotein gene 118 of <i>Trypanosoma brucei</i> . <i>Journal of Molecular Biology</i> , 1983, 167, 57-75.	4.2	149
45	Comparison of the genes coding for the common 5' terminal sequence of messenger RNAs in three trypanosome species. <i>Nucleic Acids Research</i> , 1984, 12, 4431-4443.	14.5	148
46	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, 547-553.	28.9	141
47	Glucosylated Hydroxymethyluracil, DNA Base J, Prevents Transcriptional Readthrough in <i>Leishmania</i> . <i>Cell</i> , 2012, 150, 909-921.	28.9	138
48	Kinetoplast DNA of <i>Trypanosoma evansi</i> . <i>Molecular and Biochemical Parasitology</i> , 1987, 23, 31-38.	1.1	136
49	Post-transcriptional control of the differential expression of phosphoglycerate kinase genes in <i>Trypanosoma brucei</i> . <i>Journal of Molecular Biology</i> , 1988, 201, 315-325.	4.2	136
50	Many trypanosome messenger RNAs share a common 5' terminal sequence. <i>Nucleic Acids Research</i> , 1984, 12, 3777-3790.	14.5	134
51	Genetic dissection of the function of mammalian P-glycoproteins. <i>Trends in Genetics</i> , 1997, 13, 217-222.	6.7	129
52	P-glycoprotein ABCB1: a major player in drug handling by mammals. <i>Journal of Clinical Investigation</i> , 2013, 123, 4131-4133.	8.2	127
53	Hepatocyte-specific expression of the humanMDR3P-glycoprotein gene restores the biliary phosphatidylcholine excretion absent in <i>Mdr2</i> mice. <i>Hepatology</i> , 1998, 28, 530-536.	7.3	126
54	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.	0.2	124

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55	Activation of the genes for variant surface glycoproteins 117 and 118 in <i>Trypanosoma brucei</i> . <i>Journal of Molecular Biology</i> , 1983, 166, 537-556.	4.2	124
56	HELB Is a Feedback Inhibitor of DNA End Resection. <i>Molecular Cell</i> , 2016, 61, 405-418.	9.7	119
57	Antigenic variation in African trypanosomes. <i>Science</i> , 1994, 264, 1872-1873.	12.6	118
58	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, 5153-5158.	14.5	117
59	The malate-aspartate shuttle (Borst cycle): How it started and developed into a major metabolic pathway. <i>IUBMB Life</i> , 2020, 72, 2241-2259.	3.4	117
60	Control of VSG gene expression sites. <i>Molecular and Biochemical Parasitology</i> , 2001, 114, 17-27.	1.1	115
61	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, 876-885.	2.3	115
62	The Human Multidrug Resistance Protein MRP5 Transports Folates and Can Mediate Cellular Resistance against Antifolates. <i>Cancer Research</i> , 2005, 65, 4425-4430.	0.9	114
63	Identification of multidrug resistance protein 1 (MRP1/ABCC1) as a molecular gate for cellular export of cobalamin. <i>Blood</i> , 2010, 115, 1632-1639.	1.4	111
64	New approach to screening drugs for activity against African trypanosomes. <i>Nature</i> , 1977, 265, 270-271.	27.8	106
65	Mature mRNAs of <i>Trypanosoma brucei</i> possess a 5' cap acquired by discontinuous RNA synthesis. <i>Nucleic Acids Research</i> , 1985, 13, 4253-4266.	14.5	106
66	Small is beautiful – portrait of a mitochondrial genome. <i>Nature</i> , 1981, 290, 443-444.	27.8	103
67	Modification of telomeric DNA in <i>Trypanosoma brucei</i> ; a role in antigenic variation?. <i>Nucleic Acids Research</i> , 1984, 12, 4153-4170.	14.5	103
68	Subcellular Compartmentation of Glycolytic Intermediates in <i>Trypanosoma brucei</i> . <i>FEBS Journal</i> , 1981, 118, 521-526.	0.2	101
69	Altered disposition of acetaminophen in mice with a disruption of the Mrp3 gene. <i>Hepatology</i> , 2005, 42, 1091-1098.	7.3	99
70	The architecture of variant surface glycoprotein gene expression sites in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 2002, 122, 131-140.	1.1	98
71	What Makes Tumors Multidrug Resistant?. <i>Cell Cycle</i> , 2007, 6, 2782-2787.	2.6	97
72	Multidrug Resistance Proteins 2 and 3 Provide Alternative Routes for Hepatic Excretion of Morphine-Glucuronides. <i>Molecular Pharmacology</i> , 2007, 72, 387-394.	2.3	97

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73	Particle-Bound Enzymes in the Bloodstream Form of <i>Trypanosoma brucei</i> . <i>FEBS Journal</i> , 1977, 76, 21-28.	0.2	94
74	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.	3.7	93
75	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, 4171-4190.	14.5	92
76	Moderate Increase in <i>Mdr1a/1b</i> Expression Causes <i>In vivo</i> Resistance to Doxorubicin in a Mouse Model for Hereditary Breast Cancer. <i>Cancer Research</i> , 2009, 69, 6396-6404.	0.9	88
77	The potential use of inhibitors of glycerol-3-phosphate oxidase for chemotherapy of African trypanosomiasis. <i>FEBS Letters</i> , 1976, 62, 169-172.	2.8	84
78	The protein that binds to DNA base J in trypanosomatids has features of a thymidine hydroxylase. <i>Nucleic Acids Research</i> , 2007, 35, 2107-2115.	14.5	84
79	Hydrogen transport and transport metabolites. , 1963, , 137-162.		84
80	Telomere conversion in trypanosomes. <i>Nucleic Acids Research</i> , 1983, 11, 8149-8165.	14.5	80
81	One gene's intron is another gene's exon. <i>Nature</i> , 1981, 289, 439-440.	27.8	76
82	Sensitivity and Acquired Resistance of BRCA1;p53-Deficient Mouse Mammary Tumors to the Topoisomerase I Inhibitor Topotecan. <i>Cancer Research</i> , 2010, 70, 1700-1710.	0.9	76
83	The organization of genes in yeast mitochondrial DNA. <i>Molecular Genetics and Genomics</i> , 1975, 143, 53-64.	2.4	75
84	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?. <i>Cell Cycle</i> , 2008, 7, 1575-1579.	2.6	74
85	Biosynthesis and Function of the Modified DNA Base $\hat{2}$ -Glucosyl-Hydroxymethyluracil in <i>Trypanosoma brucei</i> . <i>Molecular and Cellular Biology</i> , 1998, 18, 5643-5651.	2.3	68
86	The modified base J is the target for a novel DNA-binding protein in kinetoplastid protozoans. <i>EMBO Journal</i> , 1999, 18, 6573-6581.	7.8	67
87	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.	1.1	66
88	Trypanosome variant surface glycoprotein genes expressed early in infection. <i>Journal of Molecular Biology</i> , 1985, 182, 383-396.	4.2	65
89	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, 1745-1751.	14.5	65
90	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, 3017-3021.	14.5	65

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91	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, 3889-3901.	14.5	62
92	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, 117-131.	1.1	61
93	The Effect of Temperature and Ionic Strength on the Electrophoretic Mobility of Yeast Mitochondrial RNA. <i>FEBS Journal</i> , 1971, 19, 64-72.	0.2	60
94	The Structure of Kinetoplast DNA. 1. The Mini-circles of <i>Crithidia luciliae</i> are Heterogeneous in Base Sequence. <i>FEBS Journal</i> , 1976, 64, 141-151.	0.2	59
95	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.	1.1	59
96	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, 1359-1368.	14.5	59
97	Do predictive signatures really predict response to cancer chemotherapy? <i>Cell Cycle</i> , 2010, 9, 4836-4840.	2.6	58
98	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, 2353-2366.	14.5	55
99	Transport of the glutathione conjugate of ethacrynic acid by the human multidrug resistance protein MRP. <i>FEBS Letters</i> , 1996, 391, 126-130.	2.8	55
100	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, 153-160.	0.2	54
101	Tandemly repeated DNA is a target for the partial replacement of thymine by 5-methylthio-2-d-glucosyl-hydroxymethyluracil in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 2000, 109, 133-145.	1.1	54
102	The physiological significance of transferrin receptor variations in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 2002, 119, 237-247.	1.1	54
103	Fine structure physical mapping of 4S RNA genes on mitochondrial DNA of <i>Saccharomyces cerevisiae</i> . <i>Molecular Genetics and Genomics</i> , 1977, 154, 255-262.	2.4	53
104	Transportomics: screening for substrates of ABC transporters in body fluids using vesicular transport assays. <i>FASEB Journal</i> , 2012, 26, 738-747.	0.5	53
105	Stable transformation of <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1993, 59, 133-142.	1.1	51
106	Two simultaneously active VSG gene transcription units in a single <i>trypanosoma brucei</i> variant. <i>Cell</i> , 1985, 41, 825-832.	28.9	50
107	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, 213-220.	2.2	49
108	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, 3275-3290.	14.5	49

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109	Formation of linear inverted repeat amplicons following targeting of an essential gene in Leishmania. <i>Nucleic Acids Research</i> , 2005, 33, 1699-1709.	14.5	48
110	Targeted Metabolomics Identifies Glucuronides of Dietary Phytoestrogens as a Major Class of MRP3 Substrates In Vivo. <i>Gastroenterology</i> , 2009, 137, 1725-1735.	1.3	48
111	Impact of Intertumoral Heterogeneity on Predicting Chemotherapy Response of BRCA1-Deficient Mammary Tumors. <i>Cancer Research</i> , 2012, 72, 2350-2361.	0.9	48
112	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, 30429-30440.	3.4	47
113	BRCA2-Deficient Sarcomatoid Mammary Tumors Exhibit Multidrug Resistance. <i>Cancer Research</i> , 2015, 75, 732-741.	0.9	47
114	J-binding protein increases the level and retention of the unusual base J in trypanosome DNA. <i>Molecular Microbiology</i> , 2002, 46, 37-47.	2.5	45
115	Î²-d-glucosyl-hydroxymethyluracil, a novel base in African trypanosomes and other Kinetoplastida. <i>Molecular and Biochemical Parasitology</i> , 1997, 90, 1-8.	1.1	44
116	Factors Affecting the Level and Localization of the Transferrin Receptor in <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 40690-40698.	3.4	44
117	Characteristics of trypanosome variant antigen genes active in the tsetse fly. <i>Nucleic Acids Research</i> , 1985, 13, 4661-4676.	14.5	43
118	Multidrug resistance-associated protein 9 (ABCC12) is present in mouse and boar sperm. <i>Biochemical Journal</i> , 2007, 406, 31-40.	3.7	42
119	The tissue dependent expression of hamster P-glycoprotein genes. <i>FEBS Letters</i> , 1988, 229, 329-332.	2.8	40
120	The expression level determines the surface distribution of the transferrin receptor in <i>Trypanosoma brucei</i> . <i>Molecular Microbiology</i> , 2003, 47, 23-35.	2.5	39
121	Does resistance to apoptosis affect clinical response to antitumor drugs?. <i>Drug Resistance Updates</i> , 2001, 4, 129-131.	14.4	37
122	Recognition of Base J in Duplex DNA by J-binding Protein. <i>Journal of Biological Chemistry</i> , 2002, 277, 958-966.	3.4	37
123	Trypanosomes change their transferrin receptor expression to allow effective uptake of host transferrin. <i>Molecular Microbiology</i> , 2005, 58, 151-165.	2.5	37
124	PXE, a Mysterious Inborn Error Clarified. <i>Trends in Biochemical Sciences</i> , 2019, 44, 125-140.	7.5	37
125	Boundaries of telomere conversion in <i>Trypanosoma brucei</i> . <i>Gene</i> , 1988, 69, 1-11.	2.2	36
126	Ethidium DNA agarose gel electrophoresis: How it started. <i>IUBMB Life</i> , 2005, 57, 745-747.	3.4	36

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127	Coincident multiple activations of the same surface antigen gene in <i>Trypanosoma brucei</i> . <i>Journal of Molecular Biology</i> , 1987, 194, 81-90.	4.2	34
128	Cancer cell death by programmed necrosis?. <i>Drug Resistance Updates</i> , 2004, 7, 321-324.	14.4	33
129	Drug resistance in the mouse cancer clinic. <i>Drug Resistance Updates</i> , 2012, 15, 81-89.	14.4	33
130	Kinetoplast DNA from <i>Trypanosoma vivax</i> and <i>T. congolense</i> . <i>Molecular and Biochemical Parasitology</i> , 1985, 15, 129-142.	1.1	32
131	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, 2116-2124.	14.5	32
132	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, 5715-5728.	14.5	32
133	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.	1.1	31
134	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, 157-161.	1.1	30
135	<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, 471-483.	4.2	28
136	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, 225-235.	1.1	27
137	Defining the sequence requirements for the positioning of base J in DNA using SMRT sequencing. <i>Nucleic Acids Research</i> , 2015, 43, 2102-2115.	14.5	25
138	Controlled turnover and 3' trimming of the transsplicing precursor of <i>Trypanosoma brucei</i> . <i>Nucleic Acids Research</i> , 1987, 15, 10087-10103.	14.5	24
139	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.	1.1	24
140	The Modified DNA Base Î²-d-Glucosylhydroxymethyluracil Confers Resistance to Micrococcal Nuclease and Is Incompletely Recovered by 32P-Postlabeling. <i>Analytical Biochemistry</i> , 1998, 258, 223-229.	2.4	24
141	Tumor-initiating cells are not enriched in cisplatin-surviving BRCA1;p53-deficient mammary tumor cells in vivo. <i>Cell Cycle</i> , 2010, 9, 3804-3815.	2.6	24
142	Mitochondrial mosaics "maturases on the move. <i>Nature</i> , 1982, 298, 703-704.	27.8	23
143	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, 468-471.	2.1	23
144	The identification of hydroxymethyluracil in DNA of <i>Trypanosoma brucei</i> . <i>Nucleic Acids Research</i> , 1993, 21, 2039-2043.	14.5	22

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145	Site-specific Interactions of JBP with Base and Sugar Moieties in Duplex J-DNA. <i>Journal of Biological Chemistry</i> , 2002, 277, 28150-28156.	3.4	22
146	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.	2.8	22
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