

ABC Transporters: From Microorganisms to Man

Annual Review of Cell Biology

8, 67-113

DOI: [10.1146/annurev.cb.08.110192.000435](https://doi.org/10.1146/annurev.cb.08.110192.000435)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Separation of drug transport and chloride channel functions of the human multidrug resistance P-glycoprotein. <i>Cell</i> , 1992, 71, 23-32.	28.9	355
2	Is the multidrug resistance an ATP channel?. <i>Hepatology</i> , 1993, 18, 216-217.	7.3	4
3	Genetic organization of the streptokinase region of the <i>Streptococcus equisimilis</i> H46A chromosome. <i>Molecular Genetics and Genomics</i> , 1993, 241-241, 129-140.	2.4	43
4	Molecular analysis of the multidrug transporter. <i>Cytotechnology</i> , 1993, 12, 33-62.	1.6	30
5	Molecular cytogenetics of multiple drug resistance. <i>Cytotechnology</i> , 1993, 12, 63-89.	1.6	24
6	The biology of radioresistance: similarities, differences and interactions with drug resistance. <i>Cytotechnology</i> , 1993, 12, 325-345.	1.6	18
7	Cytochrome <i>bd</i> biosynthesis in <i>Escherichia coli</i> : the sequences of the <i>cydC</i> and <i>cydD</i> genes suggest that they encode the components of an ABC membrane transporter. <i>Molecular Microbiology</i> , 1993, 10, 421-430.	2.5	74
8	Energy transduction in lactic acid bacteria. <i>FEMS Microbiology Reviews</i> , 1993, 12, 125-147.	8.6	234
9	Bacterial solute transport proteins in their lipid environment. <i>FEMS Microbiology Reviews</i> , 1993, 12, 293-314.	8.6	42
10	A widely conserved developmental sensor in bacteria?. <i>Trends in Genetics</i> , 1993, 9, 374-375.	6.7	5
11	Unusual routes of protein secretion: the easy way out. <i>Trends in Cell Biology</i> , 1993, 3, 421-426.	7.9	79
12	Classical and novel forms of multidrug resistance and the physiological functions of P-glycoproteins in mammals. , 1993, 60, 289-299.		154
13	Molecular cloning of the gene for a novel ABC superfamily transporter of <i>Entamoeba histolytica</i> . <i>Molecular and Biochemical Parasitology</i> , 1993, 62, 131-134.	1.1	7
14	Differential inhibition by cyclosporins of primary-active ATP-dependent transporters in the hepatocyte canalicular membrane. <i>FEBS Letters</i> , 1993, 333, 193-196.	2.8	117
15	The membrane proteins encoded by yeast chromosome III genes. <i>FEBS Letters</i> , 1993, 325, 112-117.	2.8	44
16	Glibenclamide and meglitinide block the transport of low molecular weight solutes into malaria-infected erythrocytes. <i>FEBS Letters</i> , 1993, 323, 123-128.	2.8	48
17	The Cystic Fibrosis Transmembrane Conductance Regulator. <i>Annual Review of Physiology</i> , 1993, 55, 609-630.	13.1	347
18	Penetrating the peroxisome. <i>Nature</i> , 1993, 361, 682-683.	27.8	73

#	ARTICLE	IF	CITATIONS
19	SecA, the peripheral subunit of the Escherichia coli precursor protein translocase, is functional as a dimer. <i>Biochemistry</i> , 1993, 32, 13190-13197.	2.5	152
20	Multixenobiotic Resistance in <i>Urechis caupo</i> Embryos: Protection From Environmental Toxins. <i>Biological Bulletin</i> , 1993, 185, 355-364.	1.8	101
21	Adenosine 5'-triphosphate modulation of nitrobenzylthioinosine binding sites in plasma membranes of bovine chromaffin cells. <i>Neuroscience Letters</i> , 1993, 164, 51-54.	2.1	12
22	The multidrug resistance P-glycoprotein. <i>Current Opinion in Cell Biology</i> , 1993, 5, 684-687.	5.4	46
23	Protein import into mitochondria: a paradigm for the translocation of polypeptides across membranes. <i>Current Opinion in Cell Biology</i> , 1993, 5, 694-700.	5.4	84
24	Homozygous disruption of the murine MDR2 P-glycoprotein gene leads to a complete absence of phospholipid from bile and to liver disease. <i>Cell</i> , 1993, 75, 451-462.	28.9	1,445
25	Molecular cloning and characterization of <i>acrA</i> and <i>acrE</i> genes of <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1993, 175, 6299-6313.	2.2	443
26	Evidence that transporters associated with antigen processing translocate a major histocompatibility complex class I-binding peptide into the endoplasmic reticulum in an ATP-dependent manner.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 9130-9134.	7.1	234
27	Insight into the Structure-Function Relation of Chloride Channels. <i>Cellular Physiology and Biochemistry</i> , 1993, 3, 374-387.	1.6	35
28	Identification of two components of the <i>Serratia marcescens</i> metalloprotease transporter: protease SM secretion in <i>Escherichia coli</i> is TolC dependent. <i>Journal of Bacteriology</i> , 1993, 175, 7321-7328.	2.2	64
29	Molecular genetic analysis of a locus required for resistance to antimicrobial peptides in <i>Salmonella typhimurium</i> .. <i>EMBO Journal</i> , 1993, 12, 4053-4062.	7.8	191
30	Component A2 of methylcoenzyme M reductase system from <i>Methanobacterium thermoautotrophicum</i> delta H: nucleotide sequence and functional expression by <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1993, 175, 3195-3203.	2.2	20
31	Genetic and biochemical characterization of the oligopeptide transport system of <i>Lactococcus lactis</i> . <i>Journal of Bacteriology</i> , 1993, 175, 7523-7532.	2.2	224
32	Genes needed for the modification, polymerization, export, and processing of succinoglycan by <i>Rhizobium meliloti</i> : a model for succinoglycan biosynthesis. <i>Journal of Bacteriology</i> , 1993, 175, 7045-7055.	2.2	197
33	Interaction of bioactive hydrophobic peptides with the human multidrug transporter. <i>FASEB Journal</i> , 1994, 8, 766-770.	0.5	87
34	Mutations that alter the transmembrane signalling pathway in an ATP binding cassette (ABC) transporter.. <i>EMBO Journal</i> , 1994, 13, 1752-1759.	7.8	66
35	The ABC-transporter Ste6 accumulates in the plasma membrane in a ubiquitinated form in endocytosis mutants.. <i>EMBO Journal</i> , 1994, 13, 3261-3271.	7.8	288
36	Analysis of Multidrug Transporter in Living Cells. Inhibition of P-glycoprotein-mediated Efflux of Anthracyclines by Ionophores. <i>Metal-Based Drugs</i> , 1994, 1, 175-182.	3.8	6

#	ARTICLE	IF	CITATIONS
37	A Salmonella protein that is required for resistance to antimicrobial peptides and transport of potassium.. EMBO Journal, 1994, 13, 3964-3972.	7.8	114
38	The pho regulon-dependent Ugp uptake system for glycerol-3-phosphate in Escherichia coli is trans inhibited by Pi. Journal of Bacteriology, 1994, 176, 15-20.	2.2	51
39	Evidence for involvement of proteins HU and RpoS in transcription of the osmoresponsive proU operon in Escherichia coli. Journal of Bacteriology, 1994, 176, 5378-5384.	2.2	56
40	Consequences of altered isoprenylation targets on a-factor export and bioactivity.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 1275-1279.	7.1	37
41	The leader peptide of colicin V shares consensus sequences with leader peptides that are common among peptide bacteriocins produced by Gram-positive bacteria. Microbiology (United Kingdom), 1994, 140, 2383-2389.	1.8	226
42	The structural basis of sequence-independent peptide binding by OppA protein. Science, 1994, 264, 1578-1581.	12.6	231
43	SERUM MODIFIES THE CONCENTRATION-DEPENDENT EFFECTS THAT SEX STEROIDS EXERT ON CGMP AND CAMP LEVELS, AND THE GROWTH OF HUMAN C4-I CELLS (CARCINOMA OF THE UTERINE CERVIX). International Journal of Oncology, 1994, 5, 619-25.	3.3	0
44	Expression of the plasmodial pfmdr1 gene in mammalian cells is associated with increased susceptibility to chloroquine.. Molecular and Cellular Biology, 1994, 14, 2419-2428.	2.3	84
45	Metabolic instability and constitutive endocytosis of STE6, the a-factor transporter of Saccharomyces cerevisiae.. Molecular Biology of the Cell, 1994, 5, 1185-1198.	2.1	102
46	Swelling-activated chloride channels in multidrug-sensitive and -resistant cells.. Journal of General Physiology, 1994, 104, 1129-1161.	1.9	75
47	Isolation and characterization of a Saccharomyces cerevisiae peptide transport gene.. Molecular and Cellular Biology, 1994, 14, 104-115.	2.3	136
48	Famine, Fiber, Fatty Acids, and Failed Colonic Absorption: Does Fiber Fermentation Ameliorate Diarrhea?. Journal of Parenteral and Enteral Nutrition, 1994, 18, 4-8.	2.6	40
49	Identification of an ion channel-forming motif in the primary structure of CFTR, the cystic fibrosis chloride channel.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 1495-1499.	7.1	58
50	Molecular and Genetic Determinants of the Listeria monocytogenes Infectious Process. Current Topics in Microbiology and Immunology, 1994, 192, 187-216.	1.1	150
51	Bacterial multidrug resistance—emphasis on efflux mechanisms and <i>Pseudomonas aeruginosa</i> . Journal of Antimicrobial Chemotherapy, 1994, 34, 453-456.	3.0	66
52	Candida albicans gene encoding resistance to benomyl and methotrexate is a multidrug resistance gene. Antimicrobial Agents and Chemotherapy, 1994, 38, 648-652.	3.2	158
53	RHAMM, a Receptor for Hyaluronan-Mediated Motility, on Normal Human Lymphocytes, Thymocytes and Malignant B Cells: a Mediator in B cell Malignancy?. Leukemia and Lymphoma, 1994, 14, 363-374.	1.3	86
54	Saccharomyces cerevisiae YDR1, which encodes a member of the ATP-binding cassette (ABC) superfamily, is required for multidrug resistance. Current Genetics, 1994, 26, 285-294.	1.7	151

#	ARTICLE	IF	CITATIONS
55	Mutants of cultured mouse cells deficient in Ly-2 antigen. Immunogenetics, 1994, 40, 154-8.	2.4	0
56	Exon 9 of the CFTR gene: splice site haplotypes and cystic fibrosis mutations. Human Genetics, 1994, 93, 67-73.	3.8	44
57	cDNA sequence of Aldgh, the mouse homolog of the X-linked adrenoleukodystrophy gene. Mammalian Genome, 1994, 5, 810-813.	2.2	18
58	<scp>XII</scp><scp>XVI</scp>. Yeast sequencing reports. Mapping and sequencing of two yeast genes belonging to the ATPâ€binding cassette superfamily. Yeast, 1994, 10, 377-383.	1.7	68
59	Effect of site-directed mutagenesis of conserved lysine residues upon Pas1 protein function in peroxisome biogenesis. Yeast, 1994, 10, 1613-1620.	1.7	17
60	Sequence relationships between integral inner membrane proteins of binding proteinâ€dependent transport systems: Evolution by recurrent gene duplications. Protein Science, 1994, 3, 325-344.	7.6	68
61	Molecular genetics of carbon-phosphorus bond cleavage in bacteria. Biodegradation, 1994, 5, 175-184.	3.0	71
62	Oxygen reactions with bacterial oxidases and globins: binding, reduction and regulation. Antonie Van Leeuwenhoek, 1994, 65, 289-310.	1.7	83
63	Maintenance and consequences of membrane phospholipid asymmetry. Chemistry and Physics of Lipids, 1994, 73, 107-120.	3.2	214
64	A putative nicotine pump at the metabolic blood-brain barrier of the tobacco hornworm. Journal of Neurobiology, 1994, 25, 23-34.	3.6	91
65	Overview of the relationship between structure and functin in ion channels. Drug Development Research, 1994, 33, 190-202.	2.9	6
66	IntrinsicMDR-1 gene and P-glycoprotein expression in human melanoma cell lines. International Journal of Cancer, 1994, 59, 717-723.	5.1	53
67	Mdr 2 Knockout mice link biliary phospholipid deficiency with small bile duct destruction. Hepatology, 1994, 19, 1528-1531.	7.3	4
68	Convergence and divergence in the evolution of transport proteins. BioEssays, 1994, 16, 23-29.	2.5	31
69	Microbial adaptation to a changeable environment: Cell-cell interactions mediate physiological and genetic differentiation. BioEssays, 1994, 16, 715-717.	2.5	15
70	Peptide selection by MHC-encoded TAP transporters. Current Opinion in Immunology, 1994, 6, 32-37.	5.5	98
71	Systems and mechanisms of amino acid uptake and excretion in prokaryotes. Archives of Microbiology, 1994, 162, 1-13.	2.2	51
72	A functional superfamily of sodium/solute symporters. BBA - Biomembranes, 1994, 1197, 133-166.	8.0	216

#	ARTICLE	IF	CITATIONS
73	The P-glycoprotein-related gene family in Leishmania. Molecular and Biochemical Parasitology, 1994, 68, 81-91.	1.1	69
74	Two Schistosoma mansoni cDNAs encoding ATP-binding cassette (ABC) family proteins. Molecular and Biochemical Parasitology, 1994, 65, 351-356.	1.1	45
75	Enhanced lysosomal acidification leads to increased chloroquine accumulation in CHO cells expressing the pfmdr1 gene. Molecular and Biochemical Parasitology, 1994, 68, 209-219.	1.1	53
76	Isolation of rat pgp3 cDNA: evidence for gender and zonal regulation of expression in the liver. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1994, 1219, 636-644.	2.4	27
77	Regulation of CFTR channel gating. Trends in Biochemical Sciences, 1994, 19, 513-518.	7.5	90
78	ATP-binding cassette proteins. Trends in Cardiovascular Medicine, 1994, 4, 193-198.	4.9	9
80	The role of the canalicular multispecific organic anion transporter in the disposal of endo-and xenobiotics. , 1994, 64, 77-97.		99
81	A mathematical model for the inhibition of the multidrug resistance-associated P-glycoprotein pump. Bulletin of Mathematical Biology, 1994, 56, 207-223.	1.9	8
82	Secretion of amino acids by bacteria: Physiology and mechanism. FEMS Microbiology Reviews, 1994, 13, 75-93.	8.6	150
83	Adaptation of Escherichia coli to high osmolarity environments: Osmoregulation of the high-affinity glycine betaine transport system ProU. FEMS Microbiology Reviews, 1994, 14, 3-20.	8.6	269
84	Genetics of lactose utilization in lactic acid bacteria. FEMS Microbiology Reviews, 1994, 15, 217-237.	8.6	178
85	A mathematical model for the inhibition of the multidrug resistance-associated p-glycoprotein pump. Bulletin of Mathematical Biology, 1994, 56, 207-223.	1.9	7
86	Selectivity of MHC-encoded peptide transporters from human, mouse and rat. Nature, 1994, 367, 648-651.	27.8	337
87	The bacterial phosphotransferase system: new frontiers 30 years later. Molecular Microbiology, 1994, 13, 755-764.	2.5	180
88	Peptide permeases modulate transformation in Streptococcus pneumoniae. Molecular Microbiology, 1994, 12, 881-892.	2.5	69
89	Bacterial binding protein-dependent permeases: characterization of distinctive signatures for functionally related integral cytoplasmic membrane proteins. Molecular Microbiology, 1994, 12, 993-1004.	2.5	138
90	P-Glycoprotein: To flip or not to flip?. Current Biology, 1994, 4, 259-260.	3.9	29
91	Mobile ionophores are a novel class of P-glycoprotein inhibitors. The effects of ionophores on 4'-O-tetrahydropyran-yl-adriamycin incorporation in K562 drug-resistant cells. FEBS Journal, 1994, 223, 125-133.	0.2	69

#	ARTICLE	IF	CITATIONS
92	Purification and Characterization of Colicin V from Escherichia coli Culture Supernatants. Biochemistry, 1994, 33, 6911-6917.	2.5	87
93	Flip-flop: The transmembrane translocation of lipids. Cell, 1994, 79, 393-395.	28.9	145
94	Phosphatidylcholine translocase: A physiological role for the mdr2 gene. Cell, 1994, 77, 1071-1081.	28.9	622
95	Gene Transfer of Drug Resistance Genes Implications for Cancer Therapy. Annals of the New York Academy of Sciences, 1994, 716, 126-143.	3.8	35
96	Human transporters associated with antigen processing possess a promiscuous peptide-binding site. Immunity, 1994, 1, 7-14.	14.3	172
97	Multiple drug resistance in the pathogenic protozoa. Acta Tropica, 1994, 56, 195-212.	2.0	31
98	Bioenergetic aspects of the translocation of macromolecules across bacterial membranes. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1183, 417-451.	1.0	30
99	Genetics and biochemistry of yeast multidrug resistance. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1187, 152-162.	1.0	148
100	The oxygen reactivity of bacterial respiratory haemoproteins: Oxidases and globins. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1187, 226-231.	1.0	9
101	Functional principles of solute transport systems: concepts and perspectives. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1185, 1-34.	1.0	59
102	Interaction of multidrug-resistant Chinese hamster ovary cells with the peptide ionophore gramicidin D. Biochimica Et Biophysica Acta - Biomembranes, 1994, 1190, 72-84.	2.6	20
103	Competitive inhibition by genistein and ATP dependence of daunorubicin transport in intact MRP overexpressing human small cell lung cancer cells. Biochemical Pharmacology, 1994, 48, 1129-1136.	4.4	111
104	Kinetics of daunorubicin transport in Ehrlich ascites tumor cells with different expression of P-glycoprotein. Biochemical Pharmacology, 1994, 47, 2125-2135.	4.4	16
105	Maltose transport system of Escherichia coli: An ABC-type transporter. FEBS Letters, 1994, 346, 55-58.	2.8	81
106	The protein coded by the Xla adrenoleukodystrophy gene is a peroxisomal integral membrane protein. FEBS Letters, 1994, 344, 211-215.	2.8	67
107	Nucleotide binding of the C-terminal domains of the major histocompatibility complex-encoded transporter expressed in Drosophila melanogaster cells. FEBS Letters, 1994, 350, 337-341.	2.8	30
108	Functional expression and purification of the ABC transporter complex associated with antigen processing (TAP) in insect cells. FEBS Letters, 1994, 351, 443-447.	2.8	183
109	A two-domain model for the R domain of the cystic fibrosis transmembrane conductance regulator based on sequence similarities. FEBS Letters, 1994, 343, 109-114.	2.8	30

#	ARTICLE	IF	CITATIONS
110	A mechanism for P-glycoprotein action in multidrug resistance: are we there yet?. Trends in Pharmacological Sciences, 1994, 15, 260-263.	8.7	53
111	Biochemical and genetic characterization of a competence pheromone from <i>B. subtilis</i> . Cell, 1994, 77, 207-216.	28.9	435
112	Adrenoleukodystrophy and other peroxisomal diseases. Current Opinion in Genetics and Development, 1994, 4, 407-411.	3.3	16
113	Microbial multidrug-resistance ABC transporters. Trends in Microbiology, 1994, 2, 407-411.	7.7	42
114	A sequential model for peptide binding and transport by the transporters associated with antigen processing. Immunity, 1994, 1, 491-500.	14.3	275
115	Efficacy of Lorenzo's Oil in Adrenoleukodystrophy. CNS Drugs, 1994, 1, 323-329.	5.9	1
116	Characterization of the ATPase Activity of Purified Chinese Hamster P-glycoprotein. Biochemistry, 1994, 33, 7069-7076.	2.5	226
117	Cleavable signal peptides are rarely found in bacterial cytoplasmic membrane proteins (Review). Molecular Membrane Biology, 1994, 11, 3-8.	2.0	27
118	Chapter 2 A Novel Mechanism for Transmembrane Translocation of Peptides: The <i>Saccharomyces cerevisiae</i> STE6 Transporter and Export of the Mating Pheromone α -Factor. Current Topics in Membranes, 1994, , 19-42.	0.9	4
119	Proton motive force-driven and ATP-dependent drug extrusion systems in multidrug-resistant <i>Lactococcus lactis</i> . Journal of Bacteriology, 1994, 176, 6957-6964.	2.2	108
120	Nucleotide sequence and mutational analysis of the gene encoding KpsD, a periplasmic protein involved in transport of polysialic acid in <i>Escherichia coli</i> K1. Journal of Bacteriology, 1994, 176, 4025-4033.	2.2	43
121	Secretion of the <i>Serratia marcescens</i> HasA protein by an ABC transporter. Journal of Bacteriology, 1994, 176, 5372-5377.	2.2	143
122	Reversal of P-glycoprotein-mediated multidrug resistance in human sarcoma MES-SA/Dx-5 cells by nonsteroidal anti-inflammatory drugs. Oncology Reports, 1994, 20, 731.	2.6	9
123	Cellular Resistance to Cancer Chemotherapy. International Review of Cytology, 1994, 156, 77-157.	6.2	30
124	A family of extracytoplasmic proteins that allow transport of large molecules across the outer membranes of gram-negative bacteria. Journal of Bacteriology, 1994, 176, 3825-3831.	2.2	325
125	Iron acquisition from heme and hemoglobin by a <i>Serratia marcescens</i> extracellular protein.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 9876-9880.	7.1	197
126	Functional expression of P-glycoprotein in <i>Saccharomyces cerevisiae</i> confers cellular resistance to the immunosuppressive and antifungal agent FK520.. Molecular and Cellular Biology, 1994, 14, 277-286.	2.3	70
127	The human multidrug resistance-associated protein MRP is a plasma membrane drug-efflux pump.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 8822-8826.	7.1	618

#	ARTICLE	IF	CITATIONS
128	Unidirectional fluxes of rhodamine 123 in multidrug-resistant cells: evidence against direct drug extrusion from the plasma membrane.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 4654-4657.	7.1	111
129	Characteristics of peptide and major histocompatibility complex class I/beta 2-microglobulin binding to the transporters associated with antigen processing (TAP1 and TAP2).. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 12716-12720.	7.1	149
130	Nucleotide sequence of the yeast STE14 gene, which encodes farnesylcysteine carboxyl methyltransferase, and demonstration of its essential role in a-factor export.. Molecular and Cellular Biology, 1994, 14, 1438-1449.	2.3	110
131	Overexpression of the gene encoding the multidrug resistance-associated protein results in increased ATP-dependent glutathione S-conjugate transport.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 13033-13037.	7.1	570
132	ATP-dependent transport of organic anions in secretory vesicles of <i>Saccharomyces cerevisiae</i> .. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 9476-9479.	7.1	26
133	Endocytosis and Vacuolar Degradation of the Plasma Membrane-Localized Pdr5 ATP-Binding Cassette Multidrug Transporter in <i>Saccharomyces cerevisiae</i> . Molecular and Cellular Biology, 1995, 15, 5879-5887.	2.3	130
134	Genetic and redox determinants of nitric oxide cytotoxicity in a <i>Salmonella typhimurium</i> model.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 6399-6403.	7.1	242
135	Functional complementation of the <i>ste6</i> gene of <i>Saccharomyces cerevisiae</i> with the <i>pfmdr1</i> gene of <i>Plasmodium falciparum</i> .. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 8921-8925.	7.1	86
136	EmrE, an <i>Escherichia coli</i> 12-kDa Multidrug Transporter, Exchanges Toxic Cations and H ⁺ and Is Soluble in Organic Solvents. Journal of Biological Chemistry, 1995, 270, 6856-6863.	3.4	283
137	A voltage-gated chloride channel in ascidian embryos modulated by both the cell cycle clock and cell volume.. Journal of Physiology, 1995, 488, 689-699.	2.9	44
138	Volume-activated chloride currents associated with the multidrug resistance P-glycoprotein.. Journal of Physiology, 1995, 482, 31-36.	2.9	30
139	Colicin transport. Membrane Protein Transport, 1995, , 169-199.	0.2	0
140	[27] ATP-binding cassette transporter in <i>Saccharomyces cerevisiae</i> mitochondria. Methods in Enzymology, 1995, 260, 389-396.	1.0	8
141	Mutational analysis of genes of the <i>mod</i> locus involved in molybdenum transport, homeostasis, and processing in <i>Azotobacter vinelandii</i> . Journal of Bacteriology, 1995, 177, 5294-5302.	2.2	77
142	Genetic analysis of the <i>modABCD</i> (molybdate transport) operon of <i>Escherichia coli</i> . Journal of Bacteriology, 1995, 177, 4851-4856.	2.2	104
143	[20] Computational Analyses Aiding Identification and Characterization of Proteins, Genes, and Operons. Methods in Molecular Genetics, 1995, , 375-386.	0.6	2
144	ATP binding cassette transporters in yeast. Membrane Protein Transport, 1995, 2, 57-96.	0.2	13
145	Structure of the <i>gluABCD</i> cluster encoding the glutamate uptake system of <i>Corynebacterium glutamicum</i> . Journal of Bacteriology, 1995, 177, 1152-1158.	2.2	97

#	ARTICLE	IF	CITATIONS
146	Molecular analysis of a metalloprotease from <i>Proteus mirabilis</i> . <i>Journal of Bacteriology</i> , 1995, 177, 5790-5798.	2.2	70
147	LEM1, an ATP-binding-cassette transporter, selectively modulates the biological potency of steroid hormones.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 4701-4705.	7.1	155
148	Steroid Hormones: Membrane transporters of steroid hormones. <i>Current Biology</i> , 1995, 5, 730-732.	3.9	18
149	The crystal structures of the oligopeptide-binding protein OppA complexed with tripeptide and tetrapeptide ligands. <i>Structure</i> , 1995, 3, 1395-1406.	3.3	91
150	Molecular analysis of the molybdate uptake operon, modABCD, of <i>Escherichia coli</i> and modR, a regulatory gene. <i>Microbiological Research</i> , 1995, 150, 347-361.	5.3	52
151	Multidrug transporter p-glycoprotein 170 as a differentiation antigen on normal human lymphocytes and thymocytes: Modulation with differentiation stage and during aging. <i>American Journal of Hematology</i> , 1995, 49, 323-335.	4.1	71
152	Localization of mRNAs for adrenoleukodystrophy and the 70 kDa peroxisomal (PMP70) proteins in the rat brain during post-natal development. <i>Journal of Neuroscience Research</i> , 1995, 42, 433-437.	2.9	31
153	The genetics of lantibiotic biosynthesis. <i>BioEssays</i> , 1995, 17, 793-802.	2.5	36
154	How do insect herbivores cope with the extreme oxidative stress of phototoxic host plants?. <i>Archives of Insect Biochemistry and Physiology</i> , 1995, 29, 211-226.	1.5	35
155	Restriction of self-antigen presentation to cytolytic T lymphocytes by mouse peptide pumps. <i>European Journal of Immunology</i> , 1995, 25, 2019-2026.	2.9	14
156	Mutational analysis of patients with X-linked adrenoleukodystrophy. <i>Human Mutation</i> , 1995, 6, 104-115.	2.5	100
157	Regulation of multidrug resistance genemdr1b/mdr1 expression in isolated mouse uterine epithelial cells. <i>Journal of Cellular Physiology</i> , 1995, 164, 132-141.	4.1	16
158	In vivo reconstitution of an active siderophore transport system by a binding protein derivative lacking a signal sequence. <i>Molecular Genetics and Genomics</i> , 1995, 248, 33-42.	2.4	17
159	Theczc operon of <i>Alcaligenes eutrophus</i> CH34: from resistance mechanism to the removal of heavy metals. <i>Journal of Industrial Microbiology</i> , 1995, 14, 142-153.	0.9	144
160	Multidrug resistanceâ€”A fascinating, clinically relevant problem in bioenergetics. <i>Journal of Bioenergetics and Biomembranes</i> , 1995, 27, 3-5.	2.3	10
161	Characterization and functional reconstitution of the multidrug transporter. <i>Journal of Bioenergetics and Biomembranes</i> , 1995, 27, 15-22.	2.3	52
162	Purification and reconstitution of functional human P-glycoprotein. <i>Journal of Bioenergetics and Biomembranes</i> , 1995, 27, 23-29.	2.3	46
163	Heterologous expression systems for P-glycoprotein:E. coli, yeast, and baculovirus. <i>Journal of Bioenergetics and Biomembranes</i> , 1995, 27, 43-52.	2.3	48

#	ARTICLE	IF	CITATIONS
164	Effects of phosphorylation of P-glycoprotein on multidrug resistance. <i>Journal of Bioenergetics and Biomembranes</i> , 1995, 27, 53-61.	2.3	65
165	P-glycoprotein and cell volume-activated chloride channels. <i>Journal of Bioenergetics and Biomembranes</i> , 1995, 27, 63-70.	2.3	43
166	Characterization and mapping of three new mammalian ATP-binding transporter genes from an EST database. <i>Mammalian Genome</i> , 1995, 6, 114-117.	2.2	29
167	Conservation of the organization of the streptokinase gene region among pathogenic streptococci. <i>Medical Microbiology and Immunology</i> , 1995, 184, 139-46.	4.8	23
168	The biology of the P-glycoproteins. <i>Journal of Membrane Biology</i> , 1995, 143, 89-102.	2.1	110
169	A gene proposed to encode a transmembrane domain of an ABC transporter is expressed in wheat mitochondria. <i>Molecular Genetics and Genomics</i> , 1995, 246, 91-99.	2.4	51
170	Oenothera mitochondrial orf454, a gene involved in cytochrome c biogenesis corresponds to orf169 and orf322 of Marchantia. <i>Molecular Genetics and Genomics</i> , 1995, 247, 529-536.	2.4	12
171	orf250 encodes a second subunit of an ABC-type heme transporter in Oenothera mitochondria. <i>Molecular Genetics and Genomics</i> , 1995, 246, 166-173.	2.4	28
172	An overview of membrane transport proteins in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 1995, 11, 1575-1611.	1.7	245
173	A cellulase/xylanase-negative mutant of <i>Streptomyces lividans</i> 1326 defective in cellobiose and xylobiose uptake is mutated in a gene encoding a protein homologous to ATP-binding proteins. <i>Molecular Microbiology</i> , 1995, 17, 367-377.	2.5	107
174	A family of bacteriocin ABC transporters carry out proteolytic processing of their substrates concomitant with export. <i>Molecular Microbiology</i> , 1995, 16, 229-240.	2.5	573
175	A second ABC transporter is involved in oleandomycin resistance and its secretion by <i>Streptomyces antibioticus</i> . <i>Molecular Microbiology</i> , 1995, 16, 333-343.	2.5	69
176	Molecular characterization of the <i>eps</i> gene cluster of <i>Pseudomonas solanacearum</i> and its transcriptional regulation at a single promoter. <i>Molecular Microbiology</i> , 1995, 16, 977-989.	2.5	92
177	A third periplasmic transport system for L-arginine in <i>Escherichia coli</i> : molecular characterization of the <i>artPIQMJ</i> genes, arginine binding and transport. <i>Molecular Microbiology</i> , 1995, 17, 675-686.	2.5	75
178	Recombinant expression of vaccinia virusâ€ encoded TAP1 and TAP2 promotes MHC class Iâ€ restricted antigen presentation in a Syrian hamster cell line. <i>Immunology and Cell Biology</i> , 1995, 73, 181-184.	2.3	10
179	The Intracellular Domain of the Rabbit Prolactin Receptor is Able to Promote the Secretion of a Passenger Protein via an Unusual Secretory Pathway in Lepidopteran Cells. <i>Bio/technology</i> , 1995, 13, 1101-1104.	1.5	5
180	Herpes simplex virus turns off the TAP to evade host immunity. <i>Nature</i> , 1995, 375, 411-415.	27.8	837
181	Functional detection of MDR1/P170 and MRP/P190-mediated multidrug resistance in tumour cells by flow cytometry. <i>British Journal of Cancer</i> , 1995, 72, 543-549.	6.4	144

#	ARTICLE	IF	CITATIONS
182	The use of PCR to isolate a putative ABC transporter from <i>Saccharopolyspora erythraea</i> . FEMS Microbiology Letters, 1995, 131, 189-195.	1.8	7
183	Supply and transport of peptides presented by class I MHC molecules. Current Opinion in Immunology, 1995, 7, 69-76.	5.5	87
184	Very long chain fatty acids in higher animals—A review. Lipids, 1995, 30, 1-14.	1.7	173
185	Differences between nuclear run-off and mRNA levels for multidrug resistance gene expression in the cephalocaudal axis of the mouse intestine. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1995, 1264, 369-376.	2.4	27
186	Magnesium Adenosine 5[prime]-Triphosphate-Energized Transport of Glutathione-S-Conjugates by Plant Vacuolar Membrane Vesicles. Plant Physiology, 1995, 107, 1257-1268.	4.8	92
187	Chloride channels and cystic fibrosis of the pancreas. Bioscience Reports, 1995, 15, 531-541.	2.4	26
189	Review Oncologic, Endocrine & Metabolic: Multidrug resistance: progress analysis. Expert Opinion on Therapeutic Patents, 1995, 5, 535-542.	5.0	1
190	Isolation and characterization of adenylate kinase (adk) mutations in <i>Salmonella typhimurium</i> which block the ability of glycine betaine to function as an osmoprotectant. Journal of Bacteriology, 1995, 177, 390-400.	2.2	48
191	Specificity of peptide transport systems in <i>Lactococcus lactis</i> : evidence for a third system which transports hydrophobic di- and tripeptides. Journal of Bacteriology, 1995, 177, 4652-4657.	2.2	72
192	Topology analysis of the colicin V export protein CvaA in <i>Escherichia coli</i> . Journal of Bacteriology, 1995, 177, 6153-6159.	2.2	23
193	Ferrichrome transport in <i>Escherichia coli</i> K-12: altered substrate specificity of mutated periplasmic FhuD and interaction of FhuD with the integral membrane protein FhuB. Journal of Bacteriology, 1995, 177, 7186-7193.	2.2	100
194	bfr1+, a novel gene of <i>Schizosaccharomyces pombe</i> which confers brefeldin A resistance, is structurally related to the ATP-binding cassette superfamily. Journal of Bacteriology, 1995, 177, 1536-1543.	2.2	67
195	Endoplasmic reticulum-to-cytosol transport of free polymannose oligosaccharides in permeabilized HepG2 cells.. EMBO Journal, 1995, 14, 6034-6042.	7.8	71
196	Protein kinase C-mediated phosphorylation of the human multidrug resistance P-glycoprotein regulates cell volume-activated chloride channels.. EMBO Journal, 1995, 14, 68-75.	7.8	179
197	1-Chloro-2,4-Dinitrobenzene-Elicited Increase in Vacuolar Glutathione-S-Conjugate Transport Activity. Plant Physiology, 1995, 109, 177-185.	4.8	60
198	PXA1, a possible <i>Saccharomyces cerevisiae</i> ortholog of the human adrenoleukodystrophy gene.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 6012-6016.	7.1	129
199	Topological analysis of the <i>Escherichia coli</i> ferrichrome-iron receptor by using monoclonal antibodies. Journal of Bacteriology, 1995, 177, 6118-6125.	2.2	26
200	A P-glycoprotein protects <i>Caenorhabditis elegans</i> against natural toxins.. EMBO Journal, 1995, 14, 1858-1866.	7.8	139

#	ARTICLE	IF	CITATIONS
201	GCN20, a novel ATP binding cassette protein, and GCN1 reside in a complex that mediates activation of the eIF-2 alpha kinase GCN2 in amino acid-starved cells.. EMBO Journal, 1995, 14, 3184-3199.	7.8	155
202	Protein secretion by hybrid bacterial ABC-transporters: specific functions of the membrane ATPase and the membrane fusion protein.. EMBO Journal, 1995, 14, 2298-2306.	7.8	66
203	The MalK protein of the ATP-binding cassette transporter for maltose of Escherichia coli is accessible to protease digestion from the periplasmic side of the membrane. Journal of Bacteriology, 1995, 177, 5364-5367.	2.2	33
204	An ABC transporter in the mitochondrial inner membrane is required for normal growth of yeast.. EMBO Journal, 1995, 14, 188-195.	7.8	182
205	Molecular identification of an ABC transporter complex for manganese: analysis of a cyanobacterial mutant strain impaired in the photosynthetic oxygen evolution process.. EMBO Journal, 1995, 14, 1845-1853.	7.8	120
206	OpuA, an Osmotically Regulated Binding Protein-dependent Transport System for the Osmoprotectant Glycine Betaine in Bacillus subtilis. Journal of Biological Chemistry, 1995, 270, 16701-16713.	3.4	181
207	Biochemical Characterization of a Haemophilus influenzae Periplasmic Iron Transport Operon. Journal of Biological Chemistry, 1995, 270, 25142-25149.	3.4	91
208	Requirements for Peptide Binding to the Human Transporter Associated with Antigen Processing Revealed by Peptide Scans and Complex Peptide Libraries. Journal of Biological Chemistry, 1995, 270, 18512-18516.	3.4	95
209	Topological Determinants of Internal Transmembrane Segments in P-glycoprotein Sequences. Journal of Biological Chemistry, 1995, 270, 1742-1746.	3.4	39
210	Novel Proteins of the Phosphotransferase System Encoded within the rpoN Operon of Escherichia coli. Journal of Biological Chemistry, 1995, 270, 4822-4839.	3.4	190
211	Transmembrane P-Glycoprotein (P-gp/P-170) in HIV Infection: Analysis of Lymphocyte Surface Expression and Drug-Unrelated Function. AIDS Research and Human Retroviruses, 1995, 11, 893-901.	1.1	51
212	A Chinese hamster ovary cell mutant defective in the non-endocytic uptake of fluorescent analogs of phosphatidylserine: isolation using a cytosol acidification protocol.. Journal of Cell Biology, 1995, 128, 793-804.	5.2	44
213	The Lactococcal ImrP Gene Encodes a Proton Motive Force- dependent Drug Transporter. Journal of Biological Chemistry, 1995, 270, 26092-26098.	3.4	116
214	GENETIC ANALYSIS OF THE MULTIDRUG TRANSPORTER. Annual Review of Genetics, 1995, 29, 607-649.	7.6	483
215	An operon encoding a novel ABC-type transport system in Bacillus subtilis. Microbiology (United Kingdom), 1995, 139, 117-124.	1.8	17
216	Reconstitution of Drug Transport by Purified P-glycoprotein. Journal of Biological Chemistry, 1995, 270, 16167-16175.	3.4	156
217	Cloning of a Candida albicans peptide transport gene. Microbiology (United Kingdom), 1995, 141, 1147-1156.	1.8	39
218	Multidrug resistance in Candida albicans: disruption of the BENr gene. Antimicrobial Agents and Chemotherapy, 1995, 39, 422-426.	3.2	91

#	ARTICLE	IF	CITATIONS
219	Interaction of the P-glycoprotein Multidrug Transporter with Peptides and Ionophores. Journal of Biological Chemistry, 1995, 270, 10334-10341.	3.4	93
220	Cloning, Overexpression, Purification, and Characterization of the Carboxyl-terminal Nucleotide Binding Domain of P-glycoprotein. Journal of Biological Chemistry, 1995, 270, 14085-14093.	3.4	30
221	Functional Dissection of P-glycoprotein Nucleotide-binding Domains in Chimeric and Mutant Proteins. Journal of Biological Chemistry, 1995, 270, 17159-17170.	3.4	76
222	Characterization of Prenylcysteines That Interact with P-glycoprotein and Inhibit Drug Transport in Tumor Cells. Journal of Biological Chemistry, 1995, 270, 22859-22865.	3.4	37
223	Enterochelin acquisition in <i>Campylobacter coli</i> : characterization of components of a binding-protein-dependent transport system. Microbiology (United Kingdom), 1995, 141, 3181-3191.	1.8	77
224	Role of the <i>viaB</i> locus in synthesis, transport and expression of <i>Salmonella typhi</i> Vi antigen. Microbiology (United Kingdom), 1995, 141, 3039-3047.	1.8	93
225	P-Glycoprotein – A Marker of Cancer-Cell Behavior. New England Journal of Medicine, 1995, 333, 1417-1419.	27.0	79
226	Expression of an ATP-Binding Cassette Transporter-Encoding Gene (<i>YOR1</i>) Is Required for Oligomycin Resistance in <i>Saccharomyces cerevisiae</i> . Molecular and Cellular Biology, 1995, 15, 6875-6883.	2.3	210
227	Vitamin A and Birth Defects – Continuing Caution is Needed. New England Journal of Medicine, 1995, 333, 1414-1415.	27.0	52
228	The Changing Concepts of Guillain-Barré Syndrome. New England Journal of Medicine, 1995, 333, 1415-1417.	27.0	26
229	The Computer-Based Patient Record and Confidentiality. New England Journal of Medicine, 1995, 333, 1419-1422.	27.0	63
230	Hemolysin Transport in <i>Escherichia coli</i> . POINT MUTANTS IN HlyB COMPENSATE FOR A DELETION IN THE PREDICTED AMPHIPHILIC HELIX REGION OF THE HlyA SIGNAL. Journal of Biological Chemistry, 1995, 270, 14829-14834.	3.4	39
231	A YAC-based contig of 1.5 Mb spanning the human multidrug resistance gene region and delineating the amplification unit in three human multidrug-resistant cell lines.. Genome Research, 1995, 5, 233-244.	5.5	19
232	Isolation and characterization of yeast mutants in the cytoplasm to vacuole protein targeting pathway.. Journal of Cell Biology, 1995, 131, 591-602.	5.2	451
233	Convergent sensing pathways mediate response to two extracellular competence factors in <i>Bacillus subtilis</i> .. Genes and Development, 1995, 9, 547-558.	5.9	172
234	Fluconazole resistance due to energy-dependent drug efflux in <i>Candida glabrata</i> . Antimicrobial Agents and Chemotherapy, 1995, 39, 1696-1699.	3.2	143
235	Functional Evidence That Transmembrane 12 and the Loop between Transmembrane 11 and 12 Form Part of the Drug-binding Domain in P-glycoprotein Encoded by MDR1. Journal of Biological Chemistry, 1995, 270, 5441-5448.	3.4	93
236	Identification of Two New Genes in the <i>Pseudomonas aeruginosa</i> Amidase Operon, Encoding an ATPase (AmiB) and a Putative Integral Membrane Protein (AmiS). Journal of Biological Chemistry, 1995, 270, 18818-18824.	3.4	26

#	ARTICLE	IF	CITATIONS
237	Assembly, Intracellular Localization, and Nucleotide Binding Properties of the Human Peptide Transporters TAP1 and TAP2 Expressed by Recombinant Vaccinia Viruses. <i>Journal of Biological Chemistry</i> , 1995, 270, 21312-21318.	3.4	81
238	Retroviral-mediated gene transfer corrects very-long-chain fatty acid metabolism in adrenoleukodystrophy fibroblasts.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 1674-1678.	7.1	103
239	Membrane Topology of P-Glycoprotein As Determined by Epitope Insertion: Transmembrane Organization of the N-Terminal Domain of mdr3. <i>Biochemistry</i> , 1995, 34, 4402-4411.	2.5	90
240	Human (MDR1) and Mouse (mdr1,mdr3) P-glycoproteins Can Be Distinguished by Their Respective Drug Resistance Profiles and Sensitivity to Modulators. <i>Biochemistry</i> , 1995, 34, 32-39.	2.5	108
241	Involvement of Cytoplasmic Factors Regulating the Membrane Orientation of P-Glycoprotein Sequences. <i>Biochemistry</i> , 1995, 34, 9159-9165.	2.5	45
242	Phylogenetic analyses of the ATP-binding constituents of bacterial extracytoplasmic receptor-dependent ABC-type nutrient uptake permeases. <i>Research in Microbiology</i> , 1995, 146, 271-278.	2.1	54
243	The SMC family: from chromosome condensation to dosage compensation. <i>Current Opinion in Cell Biology</i> , 1995, 7, 329-336.	5.4	91
244	Evolution of the major histocompatibility complex: a current overview. <i>Transplant Immunology</i> , 1995, 3, 1-20.	1.2	54
245	Up-regulation of MHC class I by flavivirus-induced peptide translocation into the endoplasmic reticulum. <i>Immunity</i> , 1995, 3, 207-214.	14.3	75
246	P-glycoprotein-mediated multidrug resistance in tumor cells: Biochemistry, clinical relevance and modulation. <i>Molecular Aspects of Medicine</i> , 1995, 16, 1-78.	6.4	69
247	A multixenobiotic transporter in <i>Urechis caupo</i> embryos: protection from pesticides?. <i>Marine Environmental Research</i> , 1995, 39, 299-302.	2.5	12
248	Molecular biology of the vesicular ACh transporter. <i>Trends in Neurosciences</i> , 1995, 18, 218-224.	8.6	146
249	Activation of silent MDR1 genes in revertant cells by fusion with multidrug-resistant cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1995, 1269, 260-266.	4.1	2
250	A family of homologous substrate-binding proteins with a broad range of substrate specificity and dissimilar biological functions. <i>Biochimie</i> , 1995, 77, 744-750.	2.6	21
251	Identification of a chromosomally encoded ABC-transport system with which the staphylococcal erythromycin exporter MsrA may interact. <i>Gene</i> , 1995, 153, 93-98.	2.2	81
252	Increase in mRNA of multiple <i>Eh</i> pgp genes encoding P-glycoprotein homologues in emetine-resistant <i>Entamoeba histolytica</i> parasites. <i>Gene</i> , 1995, 164, 179-184.	2.2	47
253	Identification and characterization of a second mouse Nramp gene. <i>Genomics</i> , 1995, 25, 514-525.	2.9	280
254	The ABC of channel regulation. <i>Cell</i> , 1995, 82, 693-696.	28.9	383

#	ARTICLE	IF	CITATIONS
255	Enzymes and associated electron transport systems that catalyse the respiratory reduction of nitrogen oxides and oxyanions. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1995, 1232, 97-173.	1.0	516
256	Characterization of an anthracycline-resistant human promyelocyte leukemia (HL-60) cell line with an elevated MDR-1 gene expression. <i>Biochemical Pharmacology</i> , 1995, 49, 755-762.	4.4	24
257	In vivo and in vitro evidence for ATP-dependency of P-glycoprotein-mediated efflux of doxorubicin at the blood-brain barrier. <i>Biochemical Pharmacology</i> , 1995, 49, 1541-1544.	4.4	119
258	Influx of daunorubicin in multidrug resistant Ehrlich ascites tumour cells: correlation to expression of P-glycoprotein and efflux. Influence of verapamil. <i>Biochemical Pharmacology</i> , 1995, 50, 443-450.	4.4	19
259	ATP-dependent efflux of calcein by the multidrug resistance protein (MRP): no inhibition by intracellular glutathione depletion. <i>FEBS Letters</i> , 1995, 368, 385-388.	2.8	166
260	The catalytic cycle of P-glycoprotein. <i>FEBS Letters</i> , 1995, 377, 285-289.	2.8	393
261	P-glycoprotein: Its role in drug resistance. <i>American Journal of Medicine</i> , 1995, 99, 31s-34s.	1.5	40
262	Structural and functional similarities between the nucleotide-binding domains of CFTR and GTP-binding proteins. <i>Biophysical Journal</i> , 1995, 69, 2443-2448.	0.5	50
263	Hla Class I Antigens in Human Tumors. <i>Advances in Cancer Research</i> , 1995, 67, 155-195.	5.0	121
264	GENETIC NETWORKS CONTROLLING THE INITIATION OF SPORULATION AND THE DEVELOPMENT OF GENETIC COMPETENCE IN <i>BACILLUS SUBTILIS</i> . <i>Annual Review of Genetics</i> , 1995, 29, 477-508.	7.6	381
265	The white Gene of <i>Ceratitidis capitata</i> : A Phenotypic Marker for Germline Transformation. <i>Science</i> , 1995, 270, 2005-2008.	12.6	98
266	Molecular Mechanisms for Passive and Active Transport of Water. <i>International Review of Cytology</i> , 1995, 160, 99-161.	6.2	52
267	Transport of Metal-binding Peptides by HMT1, A Fission Yeast ABC-type Vacuolar Membrane Protein. <i>Journal of Biological Chemistry</i> , 1995, 270, 4721-4728.	3.4	405
268	7 Phenotypic Expression and Natriuretic Peptide-Activated Chloride Secretion in Cultured Shark (<i>Squalus Acanthias</i>) Rectal Gland Epithelial Cells. <i>Fish Physiology</i> , 1995, 14, 173-205.	0.8	1
269	Structure/Function Analysis of the Periplasmic Histidine-binding Protein. <i>Journal of Biological Chemistry</i> , 1995, 270, 16097-16106.	3.4	29
270	P-Glycoproteins and Multidrug Resistance. <i>Annual Review of Pharmacology and Toxicology</i> , 1996, 36, 161-183.	9.4	290
271	THE BIOCHEMISTRY AND GENETICS OF CAPSULAR POLYSACCHARIDE PRODUCTION IN BACTERIA. <i>Annual Review of Microbiology</i> , 1996, 50, 285-315.	7.3	619
272	Mutagenesis of Transmembrane Domain 11 of P-Glycoprotein by Alanine Scanning. <i>Biochemistry</i> , 1996, 35, 3625-3635.	2.5	57

#	ARTICLE	IF	CITATIONS
273	Multidrug resistance of cancer cells. <i>Advances in Drug Research</i> , 1996, , 181-252.	0.8	34
274	Structure and in Vitro Substrate Specificity of the Murine Multidrug Resistance-Associated Protein. <i>Biochemistry</i> , 1996, 35, 13647-13655.	2.5	28
275	Topological Folding and Proteolysis Profile of P-glycoprotein in Membranes of Multidrug-Resistant Cells:â€™ Implications for the Drug-Transport Mechanism. <i>Biochemistry</i> , 1996, 35, 9728-9736.	2.5	46
276	Characterisation of the pvdE gene which is required for pyoverdine synthesis in <i>Pseudomonas aeruginosa</i> . <i>Gene</i> , 1996, 176, 55-59.	2.2	71
277	ABC transporters in Archaea: two genes encoding homologs of the nucleotide-binding components in the methanogen <i>Methanosarcina mazei</i> S-6. <i>Gene</i> , 1996, 174, 281-284.	2.2	11
278	Biology of the multidrug resistance-associated protein, MRP. <i>European Journal of Cancer</i> , 1996, 32, 945-957.	2.8	341
279	Major vault protein LRP-related multidrug resistance. <i>European Journal of Cancer</i> , 1996, 32, 979-984.	2.8	92
280	P-glycoproteinâ€™A mediator of multidrug resistance in tumour cells. <i>European Journal of Cancer</i> , 1996, 32, 927-944.	2.8	396
281	Over-expression and localization of an unknown plastid encoded protein in the diatom <i>Odontella sinensis</i> with similarities to a subunit of ABC-transporters. <i>Plant Science</i> , 1996, 114, 171-179.	3.6	10
282	Cellular uptake, cytotoxicity, and transport kinetics of anthracyclines in human sensitive and multidrug-resistant K562 cells. <i>Biochemical Pharmacology</i> , 1996, 51, 1341-1348.	4.4	21
283	Identification of efflux systems for large anions and anionic conjugates as the mediators of methotrexate efflux in L1210 cells. <i>Biochemical Pharmacology</i> , 1996, 51, 975-982.	4.4	24
284	Multidrug resistance mediated by the multidrug resistance protein (MRP) gene. <i>Biochemical Pharmacology</i> , 1996, 52, 967-977.	4.4	227
285	Chromosomal localization and expression pattern of the RNase L inhibitor gene. <i>FEBS Letters</i> , 1996, 381, 135-139.	2.8	15
286	Transport properties of the multidrug resistance-associated protein (MRP) in human tumour cells. <i>FEBS Letters</i> , 1996, 383, 99-104.	2.8	173
287	Primary structure of a novel ABC transporter with a chromosomal localization on the band encoding the multidrug resistance-associated protein. <i>FEBS Letters</i> , 1996, 391, 61-65.	2.8	62
288	Reversal of Multidrug Resistance by Valinomycin is Overcome by CCCP. <i>Biochemical and Biophysical Research Communications</i> , 1996, 219, 306-310.	2.1	9
289	Gene Disruption of the P-Glycoprotein Related Gene <i>pgpaof</i> <i>Leishmania tarentolae</i> . <i>Biochemical and Biophysical Research Communications</i> , 1996, 224, 772-778.	2.1	57
290	Salt Tolerance in Plants and Microorganisms: Toxicity Targets and Defense Responses. <i>International Review of Cytology</i> , 1996, 165, 1-52.	6.2	298

#	ARTICLE	IF	CITATIONS
291	The involvement of the <i>Saccharomyces cerevisiae</i> multidrug resistance transporters Pdr5p and Snq2p in cation resistance. <i>FEBS Letters</i> , 1996, 399, 317-320.	2.8	49
292	The Vi antigen of <i>Salmonella typhi</i> . <i>Bulletin De L'Institut Pasteur</i> , 1996, 94, 237-250.	0.6	9
293	MDR1 P-Glycoprotein Is a Lipid Translocase of Broad Specificity, While MDR3 P-Glycoprotein Specifically Translocates Phosphatidylcholine. <i>Cell</i> , 1996, 87, 507-517.	28.9	858
294	Amide metabolism: a putative ABC transporter in <i>Rhodococcus</i> sp. R312. <i>Gene</i> , 1996, 182, 215-218.	2.2	18
295	Minimal functional system required for expression of erythromycin resistance by <i>msrA</i> in <i>Staphylococcus aureus</i> RN4220. <i>Gene</i> , 1996, 183, 143-148.	2.2	47
296	Molecular Mechanisms of Multidrug Resistance in Cancer Chemotherapy. <i>Pathology Research and Practice</i> , 1996, 192, 768-780.	2.3	149
297	How Selective Is the Transporter Associated with Antigen Processing?. <i>Immunity</i> , 1996, 5, 1-5.	14.3	74
298	Characterization of a 30-kDa <i>Borrelia burgdorferi</i> substrate-binding protein homologue. <i>Research in Microbiology</i> , 1996, 147, 739-751.	2.1	21
299	Transmembrane Organization of Mouse P-glycoprotein Determined by Epitope Insertion and Immunofluorescence. <i>Journal of Biological Chemistry</i> , 1996, 271, 9240-9248.	3.4	130
300	Characterization of the human ABC superfamily: isolation and mapping of 21 new genes using the expressed sequence tags database. <i>Human Molecular Genetics</i> , 1996, 5, 1649-1655.	2.9	275
301	Congenital Jaundice in Rats with a Mutation in a Multidrug Resistance-Associated Protein Gene. <i>Science</i> , 1996, 271, 1126-1128.	12.6	783
302	Organization and regulation of genes encoding the molybdenum nitrogenase and the alternative nitrogenase in <i>Rhodobacter capsulatus</i> . <i>Archives of Microbiology</i> , 1996, 165, 80-90.	2.2	84
303	Export of guanosine 3',5'-cyclic monophosphate (cGMP) from human erythrocytes characterized by inside-out membrane vesicles. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 1996, 56, 289-293.	1.2	34
304	Membrane insertion, processing, and topology of cystic fibrosis transmembrane conductance regulator (CFTR) in microsomal membranes. <i>Molecular Membrane Biology</i> , 1996, 13, 33-40.	2.0	26
305	Molecular mechanism and species specificity of TAP inhibition by herpes simplex virus ICP47.. <i>EMBO Journal</i> , 1996, 15, 3247-3255.	7.8	303
306	Multiple efflux mechanisms are involved in <i>Candida albicans</i> fluconazole resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 1996, 40, 2835-2841.	3.2	269
307	Molecular cloning and expression of a cyclic AMP-activated chloride conductance regulator: a novel ATP-binding cassette transporter.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 5401-5406.	7.1	73
308	Analysis of the <i>Staphylococcus epidermidis</i> genes <i>epiF</i> , <i>-E</i> , and <i>-G</i> involved in epidermin immunity. <i>Journal of Bacteriology</i> , 1996, 178, 531-536.	2.2	117

#	ARTICLE	IF	CITATIONS
309	A <i>Saccharomyces cerevisiae</i> homolog of the human adrenoleukodystrophy transporter is a heterodimer of two half ATP-binding cassette transporters.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 11901-11906.	7.1	145
310	Liganded and Unliganded Receptors Interact with Equal Affinity with the Membrane Complex of Periplasmic Permeases, a Subfamily of Traffic ATPases. Journal of Biological Chemistry, 1996, 271, 14264-14270.	3.4	69
311	Stable binding of the herpes simplex virus ICP47 protein to the peptide binding site of TAP.. EMBO Journal, 1996, 15, 3256-3266.	7.8	237
312	Chromosomal localization of the proteasome Z subunit gene reveals an ancient chromosomal duplication involving the major histocompatibility complex.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 9096-9101.	7.1	173
313	Antifungal agents: chemotherapeutic targets and immunologic strategies. Antimicrobial Agents and Chemotherapy, 1996, 40, 279-291.	3.2	469
314	Functional Expression of the Multidrug Resistance-associated Protein in the Yeast <i>Saccharomyces cerevisiae</i> . Journal of Biological Chemistry, 1996, 271, 4154-4160.	3.4	34
315	Use of <i>phoA</i> and <i>lacZ</i> fusions to study the membrane topology of ProW, a component of the osmoregulated ProU transport system of <i>Escherichia coli</i> . Journal of Bacteriology, 1996, 178, 5370-5381.	2.2	58
316	Protein secretion in gram-negative bacteria: assembly of the three components of ABC protein-mediated exporters is ordered and promoted by substrate binding.. EMBO Journal, 1996, 15, 5804-5811.	7.8	132
317	The ATP binding cassette transporter ABC1, is required for the engulfment of corpses generated by apoptotic cell death.. EMBO Journal, 1996, 15, 226-235.	7.8	262
318	Reduced accumulation of drug in <i>Candida krusei</i> accounts for itraconazole resistance. Antimicrobial Agents and Chemotherapy, 1996, 40, 2443-2446.	3.2	60
319	Ferric rhizoferrin uptake into <i>Morganella morganii</i> : characterization of genes involved in the uptake of a polyhydroxycarboxylate siderophore. Journal of Bacteriology, 1996, 178, 496-504.	2.2	37
320	Molecular analysis of the <i>amy</i> gene locus of <i>Thermoanaerobacterium thermosulfurigenes</i> EM1 encoding starch-degrading enzymes and a binding protein-dependent maltose transport system. Journal of Bacteriology, 1996, 178, 1039-1046.	2.2	43
321	The ABC transporter proteins Pat1 and Pat2 are required for import of long-chain fatty acids into peroxisomes of <i>Saccharomyces cerevisiae</i> .. EMBO Journal, 1996, 15, 3813-3822.	7.8	286
322	Homologues of the human multidrug resistance genes MRP and MDR contribute to heavy metal resistance in the soil nematode <i>Caenorhabditis elegans</i> .. EMBO Journal, 1996, 15, 6132-6143.	7.8	195
323	Phosphorylation-dependent Block of Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel by Exogenous R Domain Protein. Journal of Biological Chemistry, 1996, 271, 7351-7356.	3.4	47
324	Comparative Topology Studies in <i>Saccharomyces cerevisiae</i> and in <i>Escherichia coli</i> . Journal of Biological Chemistry, 1996, 271, 13746-13753.	3.4	24
325	Penicillin-binding protein 4 overproduction increases beta-lactam resistance in <i>Staphylococcus aureus</i> . Antimicrobial Agents and Chemotherapy, 1996, 40, 2121-2125.	3.2	62
326	Multidrug resistance in <i>Lactococcus lactis</i> : evidence for ATP-dependent drug extrusion from the inner leaflet of the cytoplasmic membrane.. EMBO Journal, 1996, 15, 4239-4245.	7.8	170

#	ARTICLE	IF	CITATIONS
327	The sulphonylurea receptor confers diazoxide sensitivity on the inwardly rectifying K ⁺ channel Kir6.1 expressed in human embryonic kidney cells.. Journal of Physiology, 1996, 494, 709-714.	2.9	68
328	Chapter 7 The P-glycoprotein family and multidrug resistance: An overview. Handbook of Biological Physics, 1996, , 137-163.	0.8	5
329	Identification of sulfate starvation-regulated genes in Escherichia coli: a gene cluster involved in the utilization of taurine as a sulfur source. Journal of Bacteriology, 1996, 178, 5438-5446.	2.2	185
330	Promoters controlling expression of the alternative nitrogenase and the molybdenum uptake system in Rhodobacter capsulatus are activated by NtrC, independent of sigma54, and repressed by molybdenum. Journal of Bacteriology, 1996, 178, 2010-2017.	2.2	76
331	Uptake of fluorescent dyes associated with the functional expression of the cystic fibrosis transmembrane conductance regulator in epithelial cells.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 1167-1172.	7.1	23
332	A phosphate transport system is required for symbiotic nitrogen fixation by Rhizobium meliloti. Journal of Bacteriology, 1996, 178, 4540-4547.	2.2	117
333	A binding-lipoprotein-dependent oligopeptide transport system in Streptococcus gordonii essential for uptake of hexa- and heptapeptides. Journal of Bacteriology, 1996, 178, 68-77.	2.2	76
334	Molecular cloning of the Golgi apparatus uridine diphosphate-N-acetylglucosamine transporter from Kluyveromyces lactis.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 5963-5968.	7.1	112
335	Chapter 8 Multidrug resistance in prokaryotes: Molecular mechanisms of drug efflux. Handbook of Biological Physics, 1996, 2, 165-187.	0.8	1
336	Three transport systems for the osmoprotectant glycine betaine operate in Bacillus subtilis: characterization of OpuD. Journal of Bacteriology, 1996, 178, 5071-5079.	2.2	247
337	The fbpABC locus of Neisseria gonorrhoeae functions in the periplasm-to-cytosol transport of iron. Journal of Bacteriology, 1996, 178, 2145-2149.	2.2	122
338	Chapter 18 From multidrug resistance to vesicular neurotransmitter transport. Handbook of Biological Physics, 1996, 2, 405-431.	0.8	1
339	Chapter 27 intrinsic and extrinsic channels in bacteria. Handbook of Biological Physics, 1996, 2, 615-636.	0.8	1
340	Chapter 6 Peroxisomal disorders. Principles of Medical Biology, 1996, , 155-172.	0.1	0
341	Chapter 3 Cation-coupled transport. Principles of Medical Biology, 1996, 4, 87-123.	0.1	0
342	Plasma membrane-cytoskeleton complex in the normal and cataractous lens. Cytoskeleton: A Multi-Volume Treatise, 1996, , 451-517.	0.1	3
343	Multidrug resistance mediated by a bacterial homolog of the human multidrug transporter MDR1.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 10668-10672.	7.1	282
344	Induction of bacteriocin production in Lactobacillus sake by a secreted peptide. Journal of Bacteriology, 1996, 178, 2232-2237.	2.2	153

#	ARTICLE	IF	CITATIONS
345	ATP-dependent glutathione disulphide transport mediated by the <i>MRP</i> gene-encoded conjugate export pump. Biochemical Journal, 1996, 314, 433-437.	3.7	272
346	Fibrates induce <i>mdr2</i> gene expression and biliary phospholipid secretion in the mouse. Biochemical Journal, 1996, 314, 781-786.	3.7	146
347	Synthetic hydrophobic peptides are substrates for P-glycoprotein and stimulate drug transport. Biochemical Journal, 1996, 320, 421-428.	3.7	104
348	Hormonal and Environmental Regulation of a Plant PDR5-like ABC Transporter. Journal of Biological Chemistry, 1996, 271, 19351-19357.	3.4	90
349	Glutamate transport in Rhodobacter sphaeroides is mediated by a novel binding protein-dependent secondary transport system. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 12786-12790.	7.1	37
350	A close relative of the adrenoleukodystrophy (ALD) gene codes for a peroxisomal protein with a specific expression pattern.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 1265-1269.	7.1	209
351	Peptide methionine sulfoxide reductase contributes to the maintenance of adhesins in three major pathogens.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 7985-7990.	7.1	137
352	Drug Resistance. Oncologist, 1996, 1, 82-87.	3.7	59
353	MECHANISMS OF ADHESION BY ORAL BACTERIA. Annual Review of Microbiology, 1996, 50, 513-552.	7.3	355
354	ANTIGEN PROCESSING AND PRESENTATION BY THE CLASS I MAJOR HISTOCOMPATIBILITY COMPLEX. Annual Review of Immunology, 1996, 14, 369-396.	21.8	559
355	Molecular characterization of a P-glycoprotein-related tcpgp2 gene in Trypanosoma cruzi. Molecular and Biochemical Parasitology, 1996, 75, 145-157.	1.1	42
356	Cloning and sequence analysis of a novel member of the ATP-binding cassette (ABC) protein gene family from Plasmodium falciparum. Molecular and Biochemical Parasitology, 1996, 81, 41-51.	1.1	23
357	Cellular resistance to anthracyclines. General Pharmacology, 1996, 27, 251-255.	0.7	139
358	P-glycoprotein multidrug resistance and cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 1996, 1288, F37-F54.	7.4	89
359	Peptide presentation by MHC class I molecules. Trends in Cell Biology, 1996, 6, 267-273.	7.9	27
360	Recent advances in carrier-mediated hepatic uptake and biliary excretion of xenobiotics. Pharmaceutical Research, 1996, 13, 497-513.	3.5	175
361	Molecular mechanisms of class I major histocompatibility complex antigen processing and presentation. Immunologic Research, 1996, 15, 208-233.	2.9	16
362	Thestr gene cluster for the biosynthesis of 5â€²-hydroxystreptomycin in Streptomyces glaucescens GLA.0 (ETH 22794): new operons and evidence for pathway-specific regulation by StrR. Molecular Genetics and Genomics, 1996, 250, 775-784.	2.4	16

#	ARTICLE	IF	CITATIONS
363	P-Glycoprotein Is Expressed in the Mineralizing Regions of the Skeleton. <i>Calcified Tissue International</i> , 1996, 58, 186-191.	3.1	1
364	Molecular cloning of a mammalian ABC transporter homologous to <i>Drosophila</i> white gene. <i>Mammalian Genome</i> , 1996, 7, 673-676.	2.2	63
365	The <i>Lxl</i> gene maps to mouse Chromosome 17 and codes for a protein that is homologous to glucose and polyspecific transmembrane transporters. <i>Mammalian Genome</i> , 1996, 7, 735-740.	2.2	74
366	P-glycoprotein is expressed in the mineralizing regions of the skeleton. <i>Calcified Tissue International</i> , 1996, 58, 186-191.	3.1	16
367	Identification of new TAP2 alleles in gorilla: evolution of the locus within hominoids. <i>Immunogenetics</i> , 1996, 44, 161-169.	2.4	7
368	Caffeine-resistance in fission yeast is caused by mutations in a single essential gene, <i>crm1</i> +. <i>Molecular Genetics and Genomics</i> , 1996, 250, 59-68.	2.4	25
369	The Molybdenum Formylmethanofuran Dehydrogenase Operon and the Tungsten Formylmethanofuran Dehydrogenase Operon from <i>Methanobacterium Thermoautotrophicum</i> . Structures and Transcriptional Regulation. <i>FEBS Journal</i> , 1996, 242, 156-162.	0.2	52
370	Antigen processing and presentation. <i>Tissue Antigens</i> , 1996, 47, 464-471.	1.0	36
371	Carrier-mediated transport and efflux mechanisms in Caco-2 cells. <i>Advanced Drug Delivery Reviews</i> , 1996, 22, 53-66.	13.7	85
372	Molecular cloning and characterization of the ABC transporter expressed in Trachea (ATET) gene from <i>Drosophila melanogaster</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1996, 1309, 47-52.	2.4	18
373	10 Multidrug resistance in acute myeloid leukaemia. <i>Best Practice and Research: Clinical Haematology</i> , 1996, 9, 185-203.	1.1	17
374	Protein translocation: Rehearsing the ABCs. <i>Current Biology</i> , 1996, 6, 276-278.	3.9	16
375	Cell-volume regulation: P-glycoprotein â€” a cautionary tale. <i>Current Biology</i> , 1996, 6, 1410-1412.	3.9	22
376	Peroxisomal disorders. <i>Seminars in Pediatric Neurology</i> , 1996, 3, 298-304.	2.0	12
377	A point mutation in the human transporter associated with antigen processing (TAP2) alters the peptide transport specificity. <i>European Journal of Immunology</i> , 1996, 26, 1748-1755.	2.9	77
378	Sequence analysis of the CEN12 region of <i>Saccharomyces cerevisiae</i> on a 43Â·7 kb fragment of chromosome XII including an open reading frame homologous to the human cystic fibrosis transmembrane conductance regulator protein CFTR. <i>Yeast</i> , 1996, 12, 693-708.	1.7	7
379	Multidrug resistance-associated protein expression in clinical gastric carcinoma. , 1996, 77, 1681-1687.		28
380	Peroxisomal disorders. <i>Mental Retardation and Developmental Disabilities Research Reviews</i> , 1996, 2, 177-183.	3.6	2

#	ARTICLE	IF	CITATIONS
381	Large vesicle formation within cells induced by treatment with a mixed surfactant. <i>Micron</i> , 1996, 27, 95-105.	2.2	2
382	Intracellular pH does not affect drug extrusion by P-glycoprotein. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1996, 34, 177-182.	3.8	19
383	The multidrug transportersâ€”proteins of an ancient immune system. <i>Immunology Letters</i> , 1996, 54, 215-219.	2.5	29
384	The general l-amino acid permease of <i>Rhizobium leguminosarum</i> is an ABC uptake system that also influences efflux of solutes. <i>Molecular Microbiology</i> , 1996, 21, 1239-1252.	2.5	75
385	Cloning of the <i>Serratia marcescens</i> hasF gene encoding the Has ABC exporter outer membrane component: a TolC analogue. <i>Molecular Microbiology</i> , 1996, 22, 265-273.	2.5	48
386	Ligand-induced conformational change in the ferrichrome-iron receptor of <i>Escherichia coli</i> K-12. <i>Molecular Microbiology</i> , 1996, 22, 459-471.	2.5	72
387	Molecular cloning and functional analysis of a novel macrolideâ€”resistance determinant, <i>mefA</i> , from <i>Streptococcus pyogenes</i> . <i>Molecular Microbiology</i> , 1996, 22, 867-879.	2.5	341
388	An oligopeptide permease responsible for the import of an extracellular signal governing aerial mycelium formation in <i>Streptomyces coelicolor</i> . <i>Molecular Microbiology</i> , 1996, 22, 881-893.	2.5	138
389	aarD, a <i>Providencia stuartii</i> homologue of <i>cydD</i> : role in ϵ -N-acetyltransferase expression, cell morphology and growth in the presence of an extracellular factor. <i>Molecular Microbiology</i> , 1996, 19, 511-520.	2.5	31
390	A cytochrome <i>cbi</i> gene involved in pyoverdine production in <i>Pseudomonas fluorescens</i> ATCC 17400. <i>Molecular Microbiology</i> , 1996, 21, 777-785.	2.5	56
391	Analysis of the localization of STE6/CFTR chimeras in a <i>Saccharomyces cerevisiae</i> model for the cystic fibrosis defect CFTR ^{F508} . <i>Molecular Microbiology</i> , 1996, 19, 1007-1017.	2.5	27
392	Coating the surface: a model for expression of capsular polysialic acid in <i>Escherichia coli</i> K1. <i>Molecular Microbiology</i> , 1996, 21, 221-231.	2.5	108
393	A putative helical domain in the MalK subunit of the ATPâ€”bindingâ€”cassette transport system for maltose of <i>Salmonella typhimurium</i> (MalFGK2) is crucial for interaction with MalF and MalG. A study using the Lack protein of <i>Agrobacterium radiobacter</i> as a tool. <i>Molecular Microbiology</i> , 1996, 22, 655-666.	2.5	49
394	The proteolytic systems of lactic acid bacteria. <i>Antonie Van Leeuwenhoek</i> , 1996, 70, 187-221.	1.7	672
395	The biosynthesis of the lantibiotics epidermin, gallidermin, Pep5 and epilancin K7. <i>Antonie Van Leeuwenhoek</i> , 1996, 69, 119-127.	1.7	75
396	Pegasus, a small terminal inverted repeat transposable element found in the white gene of <i>Anopheles gambiae</i> . <i>Genetica</i> , 1996, 98, 119-129.	1.1	29
397	Co-translational effects of temperature on membrane insertion and orientation of P-glycoprotein sequences. <i>Molecular and Cellular Biochemistry</i> , 1996, 159, 25-31.	3.1	2
398	The proteins encoded by the <i>rbs</i> operon of <i>Escherichia coli</i> : I. Overproduction, purification, characterization, and functional analysis of RbsA. <i>Protein Science</i> , 1996, 5, 1093-1099.	7.6	18

#	ARTICLE	IF	CITATIONS
399	The proteins encoded by the <i>rbs</i> operon of <i>Escherichia coli</i> : II. Use of chimeric protein constructs to isolate and characterize RbsC. <i>Protein Science</i> , 1996, 5, 1100-1107.	7.6	19
400	X-Linked Adrenoleukodystrophy. <i>Annals of the New York Academy of Sciences</i> , 1996, 804, 461-476.	3.8	30
401	Is the CvaA* protein, encoded within the colicin V export gene <i>cvaA</i> , required for colicin V transport?. <i>FEMS Microbiology Letters</i> , 1996, 138, 201-206.	1.8	1
402	Characterization of the ATPase activity of the N-terminal nucleotide binding domain of an ABC transporter involved in oleandomycin secretion by <i>Streptomyces antibioticus</i> . <i>FEMS Microbiology Letters</i> , 1996, 141, 157-162.	1.8	14
403	Identification of a locus involved in the utilization of iron by <i>Actinobacillus pleuropneumoniae</i> . <i>FEMS Microbiology Letters</i> , 1996, 143, 1-6.	1.8	67
404	Topological studies of the membrane component of the OleC ABC transporter involved in oleandomycin resistance in <i>Streptomyces antibioticus</i> . <i>FEMS Microbiology Letters</i> , 1996, 143, 133-139.	1.8	9
405	Competence pheromone, oligopeptide permease, and induction of competence in <i>Streptococcus pneumoniae</i> . <i>Molecular Microbiology</i> , 1996, 21, 471-478.	2.5	109
406	The anthracycline resistance-associated (<i>ara</i>) gene, a novel gene associated with multidrug resistance in a human leukaemia cell line. <i>British Journal of Cancer</i> , 1996, 74, 1331-1335.	6.4	52
407	Overexpression of the ABC transporter TAP in multidrug-resistant human cancer cell lines. <i>British Journal of Cancer</i> , 1996, 74, 1961-1967.	6.4	41
408	Characterization and Analysis of Conserved Motifs in a Peroxisomal ATP-binding Cassette Transporter. <i>Journal of Biological Chemistry</i> , 1996, 271, 8725-8730.	3.4	57
409	Inhibition of Oxidative Cross-linking between Engineered Cysteine Residues at Positions 332 in Predicted Transmembrane Segments (TM) 6 and 975 in Predicted TM12 of Human P-glycoprotein by Drug Substrates. <i>Journal of Biological Chemistry</i> , 1996, 271, 27482-27487.	3.4	73
410	ATP binding cassette proteins in yeast. <i>Membrane Protein Transport</i> , 1996, 3, 231-277.	0.2	2
411	Intracellular Events in the "Selective" Transport of Lipoprotein-derived Cholesteryl Esters. <i>Journal of Biological Chemistry</i> , 1996, 271, 16208-16217.	3.4	108
412	Secondary and Tertiary Structure Changes of Reconstituted P-glycoprotein. <i>Journal of Biological Chemistry</i> , 1996, 271, 24617-24624.	3.4	128
413	Functional and Physical Interactions between Partial Molecules of STE6, a Yeast ATP-binding Cassette Protein. <i>Journal of Biological Chemistry</i> , 1996, 271, 22983-22989.	3.4	28
414	Identification of Residues in the Translocation Pathway of EmrE, a Multidrug Antiporter from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 21193-21199.	3.4	27
415	An FK506-sensitive Transporter Selectively Decreases Intracellular Levels and Potency of Steroid Hormones. <i>Journal of Biological Chemistry</i> , 1996, 271, 17152-17156.	3.4	114
416	Antigen-independent changes in naive CD4 T cells with aging.. <i>Journal of Experimental Medicine</i> , 1996, 184, 1891-1900.	8.5	226

#	ARTICLE	IF	CITATIONS
417	Polysialic acid export in Escherichia coli K1: the role of KpsT, the ATP-binding component of an ABC transporter, in chain translocation. Glycobiology, 1996, 6, 445-452.	2.5	44
418	A soybean sucrose binding protein independently mediates nonsaturable sucrose uptake in yeast.. Plant Cell, 1996, 8, 271-280.	6.6	63
419	Functional characterization of a glycine 185-to-valine substitution in human P-glycoprotein by using a vaccinia-based transient expression system.. Molecular Biology of the Cell, 1996, 7, 1485-1498.	2.1	75
420	Altered Drug-stimulated ATPase Activity in Mutants of the Human Multidrug Resistance Protein. Journal of Biological Chemistry, 1996, 271, 1877-1883.	3.4	143
421	Molecular analysis of an operon in Bacillus subtilis encoding a novel ABC transporter with a role in exoprotein production, sporulation and competence. Microbiology (United Kingdom), 1996, 142, 71-77.	1.8	39
422	Purification and characterization of an extracellular peptide factor that affects two different developmental pathways in Bacillus subtilis.. Genes and Development, 1996, 10, 2014-2024.	5.9	238
423	Processing of Colicin V-1, a Secretable Marker Protein of a Bacterial ATP Binding Cassette Export System, Requires Membrane Integrity, Energy, and Cytosolic Factors. Journal of Biological Chemistry, 1996, 271, 28057-28063.	3.4	27
424	Human multidrug resistance 3-P-glycoprotein expression in transgenic mice induces lens membrane alterations leading to cataract.. Journal of Cell Biology, 1996, 132, 701-716.	5.2	34
425	Analysis of putative ABC transporter genes in Mycoplasma hyopneumoniae. Microbiology (United Kingdom), 1996, 142, 101-107.	1.8	12
426	A new pathway for protein export in Saccharomyces cerevisiae.. Journal of Cell Biology, 1996, 133, 1017-1026.	5.2	202
427	Ligand-dependent Conformational Plasticity of the Periplasmic Histidine-binding Protein HisJ. Journal of Biological Chemistry, 1996, 271, 21243-21250.	3.4	24
428	Characterization of Phosphorylation-defective Mutants of Human P-glycoprotein Expressed in Mammalian Cells. Journal of Biological Chemistry, 1996, 271, 1708-1716.	3.4	160
429	Energetics and Mechanism of Drug Transport Mediated by the Lactococcal Multidrug Transporter LmrP. Journal of Biological Chemistry, 1996, 271, 24123-24128.	3.4	91
430	Phylogenetic Approaches to the Identification and Characterization of Protein Families and Superfamilies. Genome Science & Technology, 1996, 1, 129-150.	0.7	18
431	Reconstitution of ATP-dependent Leukotriene C4 Transport by Co-expression of Both Half-molecules of Human Multidrug Resistance Protein in Insect Cells. Journal of Biological Chemistry, 1996, 271, 27782-27787.	3.4	124
432	The PAL1 gene product is a peroxisomal ATP-binding cassette transporter in the yeast Saccharomyces cerevisiae.. Journal of Cell Biology, 1996, 132, 549-563.	5.2	74
433	Mutations in the sulfonylurea receptor gene are associated with familial hyperinsulinism in Ashkenazi Jews. Human Molecular Genetics, 1996, 5, 1813-1822.	2.9	233
434	Analysis and modeling of substrate uptake and product release by prokaryotic and eukaryotic cells. Advances in Biochemical Engineering/Biotechnology, 1996, 54, 31-74.	1.1	7

#	ARTICLE	IF	CITATIONS
436	Complete Sequence Analysis of the Genome of the Bacterium <i>Mycoplasma Pneumoniae</i> . <i>Nucleic Acids Research</i> , 1996, 24, 4420-4449.	14.5	1,118
437	An operon from <i>Lactobacillus helveticus</i> composed of a proline iminopeptidase gene (<i>pepl</i>) and two genes coding for putative members of the ABC transporter family of proteins. <i>Microbiology (United Kingdom)</i> , 1996, 140, 1314-1318.	0.7	35
438	Membrane Topology and Glycosylation of the Human Multidrug Resistance-associated Protein. <i>Journal of Biological Chemistry</i> , 1996, 271, 12322-12326.	3.4	168
439	Negative Dominance Studies Demonstrate the Oligomeric Structure of <i>EmrE</i> , a Multidrug Antiporter from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 31044-31048.	3.4	109
440	The Multidrug Resistance-associated Protein (MRP) Subfamily (Yrs1/Yor1) of <i>Is</i> Important for the Tolerance to a Broad Range of Organic Anions. <i>Journal of Biological Chemistry</i> , 1996, 271, 14712-14716.	3.4	109
441	Sequence Analysis of 56 Kb from the Genome of the Bacterium <i>Mycoplasma Pneumoniae</i> Comprising the <i>dnaA</i> Region, the <i>Atp</i> Operon and a Cluster of Ribosomal Protein Genes. <i>Nucleic Acids Research</i> , 1996, 24, 628-639.	14.5	49
442	Ins and Outs of Antimicrobial Resistance: Era of the Drug Pumps. <i>Journal of Dental Research</i> , 1996, 75, 736-742.	5.2	31
443	Bacterial toxin transport. <i>Membrane Protein Transport</i> , 1996, 3, 81-118.	0.2	2
444	Multidrug resistance in cancer (review). <i>International Journal of Oncology</i> , 1996, 9, 879-84.	3.3	4
445	Hepatocellular Transport: Role of ATP-Binding Cassette Proteins. <i>Seminars in Liver Disease</i> , 1996, 16, 201-210.	3.6	29
446	An ABC-Transporter System Homolog in an Organism of the Phylogenetic Domain Archaea. <i>DNA Sequence</i> , 1997, 7, 193-197.	0.7	2
447	A Yeast ATP-binding Cassette-type Protein Mediating ATP-dependent Bile Acid Transport. <i>Journal of Biological Chemistry</i> , 1997, 272, 15358-15365.	3.4	72
448	Structure of the Multidrug Resistance P-glycoprotein to 2.5 nm Resolution Determined by Electron Microscopy and Image Analysis. <i>Journal of Biological Chemistry</i> , 1997, 272, 10685-10694.	3.4	295
449	The Cell Adhesion Molecule <i>DdCAD-1</i> in <i>Dictyostelium</i> Is Targeted to the Cell Surface by a Nonclassical Transport Pathway Involving Contractile Vacuoles. <i>Journal of Cell Biology</i> , 1997, 138, 939-951.	5.2	62
450	Identification of the Key Protein for Zinc Uptake in <i>Hemophilus influenzae</i> . <i>Journal of Biological Chemistry</i> , 1997, 272, 29033-29038.	3.4	57
451	Functional Expression Cloning and Characterization of <i>SFT</i> , a Stimulator of Fe Transport. <i>Journal of Cell Biology</i> , 1997, 139, 895-905.	5.2	85
452	Characterization of Transport through the Periplasmic Histidine Permease Using Proteoliposomes Reconstituted by Dialysis. <i>Journal of Biological Chemistry</i> , 1997, 272, 859-866.	3.4	54
453	Mutation Analysis Provides Additional Proof That <i>Mottled</i> is the Mouse Homologue of <i>Menkes'</i> Disease. <i>Human Molecular Genetics</i> , 1997, 6, 417-423.	2.9	54

#	ARTICLE	IF	CITATIONS
454	Review. Biological Chemistry, 1997, 378, 731-44.	2.5	117
455	The Active Site of ICP47, a Herpes Simplex Virus-Encoded Inhibitor of the Major Histocompatibility Complex (MHC)-encoded Peptide Transporter Associated with Antigen Processing (TAP), Maps to the NH2-terminal 35 Residues. Journal of Experimental Medicine, 1997, 185, 1565-1572.	8.5	125
456	The Paracoccus denitrificans ccmA, B and C genes: cloning and sequencing, and analysis of the potential of their products to form a haem or apo- c-type cytochrome transporter. Microbiology (United Kingdom), 1997, 143, 563-576.	1.8	50
457	An oligopeptide transport gene from Candida albicans. Microbiology (United Kingdom), 1997, 143, 387-396.	1.8	96
458	AP1-mediated Multidrug Resistance in Saccharomyces cerevisiae Requires FLR1 Encoding a Transporter of the Major Facilitator Superfamily. Journal of Biological Chemistry, 1997, 272, 19304-19313.	3.4	188
459	Functional Analysis of Glycosyltransferases Encoded by the Capsular Polysaccharide Biosynthesis Locus of Streptococcus pneumoniae Serotype 14. Journal of Biological Chemistry, 1997, 272, 19502-19508.	3.4	81
460	Phosphorylation Site Mutations in the Human Multidrug Transporter Modulate Its Drug-stimulated ATPase Activity. Journal of Biological Chemistry, 1997, 272, 23165-23171.	3.4	51
461	Identification of genes in Rhizobium leguminosarum bv. trifolii whose products are homologues to a family of ATP-binding proteins. Microbiology (United Kingdom), 1997, 143, 1389-1394.	1.8	14
462	Utility of the white gene in estimating phylogenetic relationships among mosquitoes (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 42	8.9	87
463	A Mercuric Ion Uptake Role for the Integral Inner Membrane Protein, MerC, Involved in Bacterial Mercuric Ion Resistance. Journal of Biological Chemistry, 1997, 272, 29518-29526.	3.4	42
464	The 220-kDa Rim Protein of Retinal Rod Outer Segments Is a Member of the ABC Transporter Superfamily. Journal of Biological Chemistry, 1997, 272, 10303-10310.	3.4	276
465	Purification and Characterization of HisP, the ATP-binding Subunit of a Traffic ATPase (ABC) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 42	3.4	114
466	Localization of the Iodomycin Binding Site in Hamster P-glycoprotein. Journal of Biological Chemistry, 1997, 272, 20913-20919.	3.4	37
467	Topology Mapping of the Amino-terminal Half of Multidrug Resistance-associated Protein by Epitope Insertion and Immunofluorescence. Journal of Biological Chemistry, 1997, 272, 26479-26487.	3.4	99
468	MgADP Antagonism to Mg2+-independent ATP Binding of the Sulfonylurea Receptor SUR1. Journal of Biological Chemistry, 1997, 272, 22983-22986.	3.4	153
469	Membrane Topology of the Multidrug Resistance Protein (MRP). Journal of Biological Chemistry, 1997, 272, 23623-23630.	3.4	189
470	A Single Chain Fv Fragment of P-glycoprotein-specific Monoclonal Antibody C219. Journal of Biological Chemistry, 1997, 272, 29784-29789.	3.4	28
471	Loss of Folic Acid Exporter Function with Markedly Augmented Folate Accumulation in Lipophilic Antifolate-resistant Mammalian Cells. Journal of Biological Chemistry, 1997, 272, 17460-17466.	3.4	46

#	ARTICLE	IF	CITATIONS
472	A Bacterial Model System for Understanding Multi-Drug Resistance. <i>Microbial Drug Resistance</i> , 1997, 3, 289-295.	2.0	15
473	Changing the Transport of a Cell. <i>Critical Reviews in Biotechnology</i> , 1997, 17, 171-183.	9.0	1
474	Regulation of Bacterial Gene Expression by Metals. <i>Advances in Genetics</i> , 1997, 36, 187-238.	1.8	7
475	Computer-based analyses of the protein constituents of transport systems catalysing export of complex carbohydrates in bacteria. <i>Microbiology (United Kingdom)</i> , 1997, 143, 2685-2699.	1.8	152
476	Co-ordinate regulation of the cystic fibrosis and multidrug resistance genes in cystic fibrosis knockout mice. <i>Human Molecular Genetics</i> , 1997, 6, 527-537.	2.9	37
477	Characterization of the Adenosine Triphosphatase Activity of the Periplasmic Histidine Permease, a Traffic ATPase (ABC Transporter). <i>Journal of Biological Chemistry</i> , 1997, 272, 21883-21891.	3.4	111
478	Interactions of dedicated export membrane proteins of the colicin V secretion system: CvaA, a member of the membrane fusion protein family, interacts with CvaB and TolC. <i>Journal of Bacteriology</i> , 1997, 179, 6264-6270.	2.2	59
479	Molecular cloning of a peroxisomal Ca ²⁺ -dependent member of the mitochondrial carrier superfamily. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 8509-8514.	7.1	53
480	Activation and inhibition of K-ATP currents by guanine nucleotides is mediated by different channel subunits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 8872-8877.	7.1	60
481	Evidence that GCN1 and GCN20, Translational Regulators of <i>GCN4</i> , Function on Elongating Ribosomes in Activation of <i>eIF2γ</i> Kinase GCN2. <i>Molecular and Cellular Biology</i> , 1997, 17, 4474-4489.	2.3	196
482	Chaperone Properties of the Bacterial Periplasmic Substrate-binding Proteins. <i>Journal of Biological Chemistry</i> , 1997, 272, 15607-15612.	3.4	125
483	Properties of cloned ATP-sensitive K ⁺ currents expressed in <i>Xenopus</i> oocytes.. <i>Journal of Physiology</i> , 1997, 498, 87-98.	2.9	182
484	Evidence for selection for the tyrosine-86 allele of the <i>pfmdr 1</i> gene of <i>Plasmodium falciparum</i> by chloroquine and amodiaquine. <i>Parasitology</i> , 1997, 114, 205-211.	1.5	128
485	MDR1-Pgp 170 expression in human bronchus. <i>European Respiratory Journal</i> , 1997, 10, 1837-1843.	6.7	64
486	Interaction between ATP, oleandomycin and the OleB ATP-binding cassette transporter of <i>Streptomyces antibioticus</i> involved in oleandomycin secretion. <i>Biochemical Journal</i> , 1997, 321, 139-144.	3.7	25
487	Functional expression and apical localization of the cystic fibrosis transmembrane conductance regulator in MDCK I cells. <i>Biochemical Journal</i> , 1997, 322, 259-265.	3.7	65
488	Conformational changes of P-glycoprotein by nucleotide binding. <i>Biochemical Journal</i> , 1997, 328, 897-904.	3.7	60
489	Cloning, nucleotide sequence, and overexpression of <i>smoS</i> , a component of a novel operon encoding an ABC transporter and polyol dehydrogenases of <i>Rhodobacter sphaeroides</i> Si4. <i>Journal of Bacteriology</i> , 1997, 179, 6335-6340.	2.2	31

#	ARTICLE	IF	CITATIONS
490	The rational design of allosteric interactions in a monomeric protein and its applications to the construction of biosensors. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 4366-4371.	7.1	189
491	TRAP transporters: a new family of periplasmic solute transport systems encoded by the dctPQM genes of <i>Rhodobacter capsulatus</i> and by homologs in diverse gram-negative bacteria. Journal of Bacteriology, 1997, 179, 5482-5493.	2.2	185
492	Lipoprotein from the osmoregulated ABC transport system OpuA of <i>Bacillus subtilis</i> : purification of the glycine betaine binding protein and characterization of a functional lipidless mutant. Journal of Bacteriology, 1997, 179, 6213-6220.	2.2	61
493	Isolation and characterization of the lacA gene encoding beta-galactosidase in <i>Bacillus subtilis</i> and a regulator gene, lacR. Journal of Bacteriology, 1997, 179, 5636-5638.	2.2	55
494	hetC, a gene coding for a protein similar to bacterial ABC protein exporters, is involved in early regulation of heterocyst differentiation in <i>Anabaena</i> sp. strain PCC 7120. Journal of Bacteriology, 1997, 179, 6971-6978.	2.2	75
495	Characterization of the acc operon from the nopaline-type Ti plasmid pTiC58, which encodes utilization of agrocinopines A and B and susceptibility to agrocin 84. Journal of Bacteriology, 1997, 179, 7559-7572.	2.2	55
496	The <i>Streptomyces</i> ATP-binding component MsiK assists in cellobiose and maltose transport. Journal of Bacteriology, 1997, 179, 2092-2095.	2.2	94
497	Identification and functional characterization of an ABC transport system involved in polysaccharide export of A-band lipopolysaccharide in <i>Pseudomonas aeruginosa</i> . Journal of Bacteriology, 1997, 179, 4713-4724.	2.2	64
498	Transporter Associated with Antigen Processing**This article was accepted for publication on 1 October 1996.. Advances in Immunology, 1997, , 47-109.	2.2	63
499	Field chloroquine-resistance determinants. Annals of Tropical Medicine and Parasitology, 1997, 91, S107-S111.	1.6	4
500	Identification of a Fourth Half ABC Transporter in the Human Peroxisomal Membrane. Human Molecular Genetics, 1997, 6, 1925-1931.	2.9	114
501	SHORT COMMUNICATION: Photoreceptor rim protein: partial sequences of cDNA show a high degree of similarity to ABC transporters. Current Eye Research, 1997, 16, 741-745.	1.5	7
502	Biotechnological Aspects of Membrane Function. Critical Reviews in Biotechnology, 1997, 17, 69-86.	9.0	17
503	Phosphatidylcholine and Phosphatidylethanolamine Behave as Substrates of the Human MDR1 P-Glycoprotein. Biochemistry, 1997, 36, 5685-5694.	2.5	146
504	Peptide Binding in OppA, the Crystal Structures of the Periplasmic Oligopeptide Binding Protein in the Unliganded Form and in Complex with Lysyllysine. Biochemistry, 1997, 36, 9747-9758.	2.5	99
505	Functional Interactions between Synthetic Alkyl Phospholipids and the ABC Transporters P-Glycoprotein, Ste-6, MRP, and Pgh-1. Biochemistry, 1997, 36, 8180-8188.	2.5	35
506	Interaction of P-Glycoprotein with Defined Phospholipid Bilayers: A Differential Scanning Calorimetric Study. Biochemistry, 1997, 36, 9807-9815.	2.5	49
507	Structure of the Viral TAP-Inhibitor ICP47 Induced by Membrane Association. Biochemistry, 1997, 36, 4694-4700.	2.5	50

#	ARTICLE	IF	CITATIONS
508	Membrane Topology of the Di- and Tripeptide Transport Protein of <i>Lactococcus lactis</i> . <i>Biochemistry</i> , 1997, 36, 6777-6785.	2.5	29
509	Cystic Fibrosis Transmembrane Conductance Regulator: The First Nucleotide Binding Fold Targets the Membrane with Retention of Its ATP Binding Function. <i>Biochemistry</i> , 1997, 36, 5053-5064.	2.5	32
510	Clinical Significance of Multi-Drug Resistance Associated Protein and P-Glycoprotein in Patients with Bladder Cancer. <i>Journal of Urology</i> , 1997, 157, 1260-1265.	0.4	64
511	CLINICAL RELEVANCE OF ANTIFUNGAL RESISTANCE. <i>Infectious Disease Clinics of North America</i> , 1997, 11, 929-944.	5.1	49
512	Reversal of P-glycoprotein-associated multidrug resistance by ivermectin. <i>Biochemical Pharmacology</i> , 1997, 53, 17-25.	4.4	158
513	Effect of quercetin on hoechst 33342 transport by purified and reconstituted p-glycoprotein. <i>Biochemical Pharmacology</i> , 1997, 53, 587-596.	4.4	193
514	Interaction of combinations of drugs, chemosensitizers, and peptides with the P-glycoprotein multidrug transporter. <i>Biochemical Pharmacology</i> , 1997, 53, 1789-1797.	4.4	36
515	Membrane Protein Structure. <i>Advances in Molecular and Cell Biology</i> , 1997, 22, 177-228.	0.1	0
516	Increased levels of the multidrug resistance protein in lateral membranes of proliferating hepatocyte-derived cells. <i>Gastroenterology</i> , 1997, 112, 511-521.	1.3	132
517	The essential role of the Walker A motifs of SUR1 in K-ATP channel activation by Mg-ADP and diazoxide. <i>EMBO Journal</i> , 1997, 16, 1145-1152.	7.8	317
518	Microbial multidrug resistance. <i>International Journal of Antimicrobial Agents</i> , 1997, 8, 179-187.	2.5	20
519	Fluorescence Studies on the Nucleotide Binding Domains of the P-Glycoprotein Multidrug Transporter. <i>Biochemistry</i> , 1997, 36, 2836-2843.	2.5	86
520	Molecular and Structural Features of the Proton-Coupled Oligopeptide Transporter Superfamily. <i>Progress in Molecular Biology and Translational Science</i> , 1997, 58, 239-261.	1.9	77
521	Nitrate Assimilation by Bacteria. <i>Advances in Microbial Physiology</i> , 1997, 39, 1-30.	2.4	164
522	Unusual Protein Secretion and Translocation Pathways in Yeast: Implication of ABC Transporters. <i>Molecular Biology Intelligence Unit</i> , 1997, , 49-85.	0.2	2
523	Expression of a Non-MDR2-Coded Liver Phosphatidylcholine Membrane Transport Protein in <i>Xenopus laevis</i> Oocytes. <i>Biochemical and Biophysical Research Communications</i> , 1997, 231, 277-282.	2.1	2
524	Primary Structure of Human PMP69, a Putative Peroxisomal ABC-Transporter. <i>Biochemical and Biophysical Research Communications</i> , 1997, 237, 152-157.	2.1	90
525	The Quinoline-Based Drug, N-{4-[1-hydroxy-2-(dibutylamino)ethyl] quinolin-8-yl}-4-azidosalicylamide, Photoaffinity Labels the Multidrug Resistance Protein (MRP) at a Biologically Relevant Site. <i>Biochemical and Biophysical Research Communications</i> , 1997, 241, 104-111.	2.1	19

#	ARTICLE	IF	CITATIONS
526	Isolation and Chromosomal Mapping of a Novel ATP-Binding Cassette Transporter Conserved in Mouse and Human. <i>Genomics</i> , 1997, 41, 275-278.	2.9	42
527	Molecular and immunological analysis of an ABC transporter complex required for cytochrome c biogenesis. <i>Journal of Molecular Biology</i> , 1997, 268, 724-738.	4.2	76
528	The active domain of the herpes simplex virus protein ICP47: A potent inhibitor of the transporter associated with antigen processing (TAP). <i>Journal of Molecular Biology</i> , 1997, 272, 484-492.	4.2	78
529	Expression of the Adrenoleukodystrophy Protein in the Human and Mouse Central Nervous System. <i>Neurobiology of Disease</i> , 1997, 3, 271-285.	4.4	97
530	Absence of Mutations Raises Doubts about the Role of the 70-kD Peroxisomal Membrane Protein in Zellweger Syndrome. <i>American Journal of Human Genetics</i> , 1997, 60, 1535-1539.	6.2	15
531	Modular multidomain phosphoryl transfer proteins of bacteria. <i>Current Opinion in Structural Biology</i> , 1997, 7, 407-415.	5.7	75
532	The <i>adc</i> locus, which affects competence for genetic transformation in <i>Streptococcus pneumoniae</i> , encodes an ABC transporter with a putative lipoprotein homologous to a family of streptococcal adhesins. <i>Research in Microbiology</i> , 1997, 148, 119-131.	2.1	113
533	<i>Alcaligenes eutrophus</i> as a model system for bacterial interactions with heavy metals in the environment. <i>Research in Microbiology</i> , 1997, 148, 536-551.	2.1	37
534	ATPase activity of P-glycoprotein related to emergence of drug resistance in Ehrlich ascites tumor cell lines. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1997, 1361, 147-158.	3.8	51
535	Detoxification of xenobiotics by plants: chemical modification and vacuolar compartmentation. <i>Trends in Plant Science</i> , 1997, 2, 144-151.	8.8	551
536	An Exported Peptide Functions Intracellularly to Contribute to Cell Density Signaling in <i>B. subtilis</i> . <i>Cell</i> , 1997, 89, 917-925.	28.9	230
537	Membrane topology distinguishes a subfamily of the ATP-binding cassette (ABC) transporters. <i>FEBS Letters</i> , 1997, 402, 1-3.	2.8	209
538	A putative cytochrome <i>c</i> biogenesis gene in <i>Synechocystis</i> sp. PCC 68031. <i>FEBS Letters</i> , 1997, 408, 201-205.	2.8	14
539	Mutational analysis eliminates Glu64 and Glu94 as candidates for 'catalytic carboxylate' in the bacterial ATP-binding-cassette protein <i>MakK</i> . <i>FEBS Letters</i> , 1997, 413, 211-214.	2.8	5
540	Modulation by (iso)flavonoids of the ATPase activity of the multidrug resistance protein. <i>FEBS Letters</i> , 1997, 413, 344-348.	2.8	92
541	Distribution of a sub-class of bacterial ABC polar amino acid transporter and identification of an N-terminal region involved in solute specificity. <i>FEBS Letters</i> , 1997, 414, 397-401.	2.8	22
542	Peptide binding and photo-crosslinking to detergent solubilized and to reconstituted transporter associated with antigen processing (TAP). <i>FEBS Letters</i> , 1997, 416, 359-363.	2.8	9
543	The ABC transporter <i>Atm1p</i> is required for mitochondrial iron homeostasis. <i>FEBS Letters</i> , 1997, 418, 346-350.	2.8	260

#	ARTICLE	IF	CITATIONS
544	Primary sodium ion translocating enzymes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1997, 1318, 11-51.	1.0	214
545	The functional purification of P-glycoprotein is dependent on maintenance of a lipid-protein interface. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1997, 1328, 109-124.	2.6	93
546	Overexpression of <i>mdr2</i> gene by peroxisome proliferations in the mouse liver. <i>Journal of Hepatology</i> , 1997, 26, 1331-1339.	3.7	43
547	Reconstitution of Functional Voltage-gated Chloride Channels from Complementary Fragments of CLC-1. <i>Journal of Biological Chemistry</i> , 1997, 272, 20515-20521.	3.4	88
548	Fatty acid activation. <i>Progress in Lipid Research</i> , 1997, 36, 55-83.	11.6	184
549	Down-regulation of the <i>mdr</i> gene by thyroid hormone during <i>Xenopus laevis</i> development. <i>Molecular and Cellular Endocrinology</i> , 1997, 129, 73-81.	3.2	4
550	Protein secretion by Gram-negative bacterial ABC exporters – a review. <i>Gene</i> , 1997, 192, 7-11.	2.2	200
551	Identification and transcriptional analysis of a <i>Treponema pallidum</i> operon encoding a putative ABC transport system, an iron-activated repressor protein homolog, and a glycolytic pathway enzyme homolog. <i>Gene</i> , 1997, 197, 47-64.	2.2	78
552	Genes encoding multiple drug resistance-like proteins in <i>Aspergillus fumigatus</i> and <i>Aspergillus flavus</i> . <i>Gene</i> , 1997, 200, 11-23.	2.2	116
553	Identification and sequence of human PKY, a putative kinase with increased expression in multidrug-resistant cells, with homology to yeast protein kinase Yak1. <i>Gene</i> , 1997, 200, 35-43.	2.2	22
554	Characterization of a bacterial gene encoding an autophosphorylating protein tyrosine kinase. <i>Gene</i> , 1997, 204, 259-265.	2.2	69
555	A mouse model for X-linked adrenoleukodystrophy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 9366-9371.	7.1	253
556	Membrane Topology of the ATP-binding Cassette Transporter Associated with Antigen Presentation (Tap1) Expressed in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1997, 272, 11103-11108.	3.4	19
557	Tromp1, a putative rare outer membrane protein, is anchored by an uncleaved signal sequence to the <i>Treponema pallidum</i> cytoplasmic membrane. <i>Journal of Bacteriology</i> , 1997, 179, 5076-5086.	2.2	47
558	Comparison of the bacterial HslA protein to the F508 region of the cystic fibrosis transmembrane regulator. <i>Journal of Bacteriology</i> , 1997, 179, 7869-7871.	2.2	1
559	Both an N-terminal 65-kDa domain and a C-terminal 30-kDa domain of SecA cycle into the membrane at SecYEG during translocation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 5574-5581.	7.1	85
560	<i>Helicobacter pylori</i> ABC transporter: effect of allelic exchange mutagenesis on urease activity. <i>Journal of Bacteriology</i> , 1997, 179, 5892-5902.	2.2	74
561	Transcriptional regulation of the <i>cydDC</i> operon, encoding a heterodimeric ABC transporter required for assembly of cytochromes <i>c</i> and <i>bd</i> in <i>Escherichia coli</i> K-12: regulation by oxygen and alternative electron acceptors. <i>Journal of Bacteriology</i> , 1997, 179, 6525-6530.	2.2	26

#	ARTICLE	IF	CITATIONS
562	Cloning of a <i>Vibrio alginolyticus</i> rpoN gene that is required for polar flagellar formation. Journal of Bacteriology, 1997, 179, 6851-6854.	2.2	37
563	Lipase secretion by bacterial hybrid ATP-binding cassette exporters: molecular recognition of the LipBCD, PrtDEF, and HasDEF exporters. Journal of Bacteriology, 1997, 179, 4754-4760.	2.2	57
564	Identification and characterization of ssb and uup mutants with increased frequency of precise excision of transposon Tn10 derivatives: nucleotide sequence of uup in <i>Escherichia coli</i> . Journal of Bacteriology, 1997, 179, 2892-2899.	2.2	31
565	P-glycoprotein function involves conformational transitions detectable by differential immunoreactivity. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 12908-12913.	7.1	174
566	Evidence that KpsT, the ATP-binding component of an ATP-binding cassette transporter, is exposed to the periplasm and associates with polymer during translocation of the polysialic acid capsule of <i>Escherichia coli</i> K1. Journal of Bacteriology, 1997, 179, 1400-1403.	2.2	27
567	The <i>Agrobacterium tumefaciens</i> virulence gene chvE is part of a putative ABC-type sugar transport operon. Journal of Bacteriology, 1997, 179, 2452-2458.	2.2	72
568	The <i>Candida albicans</i> CDR3 gene codes for an opaque-phase ABC transporter. Journal of Bacteriology, 1997, 179, 7210-7218.	2.2	107
569	Linker mutagenesis of the <i>Caulobacter crescentus</i> S-layer protein: toward a definition of an N-terminal anchoring region and a C-terminal secretion signal and the potential for heterologous protein secretion. Journal of Bacteriology, 1997, 179, 601-611.	2.2	71
570	Characterization of in-frame proteins encoded by <i>cvaA</i> , an essential gene in the colicin V secretion system: CvaA* stabilizes CvaA to enhance secretion. Journal of Bacteriology, 1997, 179, 689-696.	2.2	19
571	Characterization of the <i>Rhizobium</i> (<i>Sinorhizobium</i>) <i>meliloti</i> high- and low-affinity phosphate uptake systems. Journal of Bacteriology, 1997, 179, 7226-7232.	2.2	45
572	Localized frameshift mutation generates selective, high-frequency phase variation of a surface lipoprotein encoded by a mycoplasma ABC transporter operon. Journal of Bacteriology, 1997, 179, 4013-4022.	2.2	67
573	Multiple transport proteins involved in the detoxification of endo- and xenobiotics. Frontiers in Bioscience - Landmark, 1997, 2, d427-437.	3.0	7
574	Experimentally induced changes in the endocytic traffic of P-glycoprotein alter drug resistance of cancer cells. American Journal of Physiology - Cell Physiology, 1997, 273, C687-C702.	4.6	112
575	Volume expansion-sensing outward-rectifier Cl ⁻ channel: fresh start to the molecular identity and volume sensor. American Journal of Physiology - Cell Physiology, 1997, 273, C755-C789.	4.6	610
576	SSU1 encodes a plasma membrane protein with a central role in a network of proteins conferring sulfite tolerance in <i>Saccharomyces cerevisiae</i> . Journal of Bacteriology, 1997, 179, 5971-5974.	2.2	74
577	Interleukin-1 β Secretion Is Impaired by Inhibitors of the Atp Binding Cassette Transporter, ABC1. Blood, 1997, 90, 2911-2915.	1.4	207
578	Molecular aspects of hepatobiliary transport. American Journal of Physiology - Renal Physiology, 1997, 272, G1285-G1303.	3.4	113
579	AtMRP1 gene of <i>Arabidopsis</i> encodes a glutathione S-conjugate pump: Isolation and functional definition of a plant ATP-binding cassette transporter gene. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 8243-8248.	7.1	265

#	ARTICLE	IF	CITATIONS
580	The Interaction of nucleotides with the tolbutamide block of cloned atp-sensitive k+channel currents expressed in xenopus oocytes: a reinterpretation. Journal of Physiology, 1997, 504, 35-45.	2.9	149
581	Phosphatidylserine plasma membrane asymmetry in vivo: a pancellular phenomenon which alters during apoptosis. Cell Death and Differentiation, 1997, 4, 311-316.	11.2	112
582	Truncation of Kir6.2 produces ATP-sensitive K+ channels in the absence of the sulphonylurea receptor. Nature, 1997, 387, 179-183.	27.8	723
583	Hypothesis: MHC class I, rather than just a flagpole for CD8+T cells is also a protease in its own right. Immunology and Cell Biology, 1997, 75, 310-317.	2.3	1
584	Ligand conduction and the gated-pore mechanism of transmembrane transport. BBA - Biomembranes, 1997, 1331, 213-234.	8.0	49
585	Cell-density sensing: Come on inside and tell us about it. Current Biology, 1997, 7, R721-R722.	3.9	4
586	The MRD1 (P-glycoprotein) and MRP (P-190) transporters do not play a major role in the intrinsic multiple drug resistance of Jurkat T lymphocytes. Leukemia Research, 1997, 21, 743-752.	0.8	11
587	The MDR1 (P-glycoprotein) and MRP (P-190) transporters do not play a major role in the intrinsic multiple drug resistance of Jurkat T lymphocytes. Leukemia Research, 1997, 21, 1077-1086.	0.8	12
588	Genetic dissection of the function of mammalian P-glycoproteins. Trends in Genetics, 1997, 13, 217-222.	6.7	129
589	In vitro permeability of peptidomimetic drugs: The role of polarized efflux pathways as additional barriers to absorption. Advanced Drug Delivery Reviews, 1997, 23, 143-156.	13.7	24
590	Intestinal secretion of drugs. The role of P-glycoprotein and related drug efflux systems in limiting oral drug absorption. Advanced Drug Delivery Reviews, 1997, 25, 129-157.	13.7	253
591	Hepatobiliary elimination of cationic drugs: the role of P-glycoproteins and other ATP-dependent transporters. Advanced Drug Delivery Reviews, 1997, 25, 159-200.	13.7	61
592	Blood-brain barrier function of P-glycoprotein. Advanced Drug Delivery Reviews, 1997, 25, 287-298.	13.7	105
593	Subunit interactions in ABC transporters: a conserved sequence in hydrophobic membrane proteins of periplasmic permeases defines an important site of interaction with the ATPase subunits. EMBO Journal, 1997, 16, 3066-3077.	7.8	178
594	Altered expression and function of P-glycoprotein (170 kDa), encoded by the MDR 1 gene, in T cell subsets from aging humans. Journal of Clinical Immunology, 1997, 17, 448-454.	3.8	48
595	Multidrug transporters from bacteria to man: similarities in structure and function. Seminars in Cancer Biology, 1997, 8, 183-191.	9.6	85
596	Search for specific inhibitors of multidrug resistance in cancer. Seminars in Cancer Biology, 1997, 8, 171-182.	9.6	53
597	Biochemistry of peroxisomes in health and disease. Molecular and Cellular Biochemistry, 1997, 167, 1-29.	3.1	130

#	ARTICLE	IF	CITATIONS
598	The <i>Anopheles albimanus</i> white gene: molecular characterization of the gene and a spontaneous white gene mutation. <i>Genetica</i> , 1997, 101, 87-96.	1.1	7
599	Frontiers in research on cystic fibrosis: understanding its molecular and chemical basis and relationship to the pathogenesis of the disease. <i>Journal of Bioenergetics and Biomembranes</i> , 1997, 29, 417-427.	2.3	11
600	Probing the structural and functional domains of the CFTR chloride channel. <i>Journal of Bioenergetics and Biomembranes</i> , 1997, 29, 453-463.	2.3	17
601	The role of transport processes in survival of lactic acid bacteria. Energy transduction and multidrug resistance. <i>Antonie Van Leeuwenhoek</i> , 1997, 71, 117-128.	1.7	98
602	Phosphate transport in prokaryotes: molecules, mediators and mechanisms. , 1997, 72, 299-315.		103
603	Protein secretion by gram-negative bacterial ABC exporters. <i>Folia Microbiologica</i> , 1997, 42, 179-183.	2.3	7
604	Identification of three ABC transporter genes in <i>Trypanosomabrucei</i> spp.. <i>Parasitology Research</i> , 1997, 84, 106-111.	1.6	35
605	Secretion of the lantibiotics epidermin and gallidermin: sequence analysis of the genes <i>gdmT</i> and <i>gdmH</i> , their influence on epidermin production and their regulation by EpiQ. <i>Molecular Genetics and Genomics</i> , 1997, 254, 312-318.	2.4	51
606	Multidrug resistance in <i>Aspergillus nidulans</i> involves novel ATP-binding cassette transporters. <i>Molecular Genetics and Genomics</i> , 1997, 254, 417-426.	2.4	126
607	The <i>malEFC</i> gene cluster of <i>Streptomyces coelicolor</i> A3(2): characterization, disruption and transcriptional analysis. <i>Molecular Genetics and Genomics</i> , 1997, 254, 604-608.	2.4	51
608	The <i>Schizosaccharomyces pombe</i> <i>mam1</i> gene encodes an ABC transporter mediating secretion of M-factor. <i>Molecular Genetics and Genomics</i> , 1997, 255, 226-236.	2.4	67
609	Distinct spectrum of CFTR gene mutations in congenital absence of vas deferens. <i>Human Genetics</i> , 1997, 100, 365-377.	3.8	242
610	The canalicular multispecific organic anion transporter and conjugated hyperbilirubinemia in rat and man. <i>Journal of Molecular Medicine</i> , 1997, 75, 420-428.	3.9	107
611	Molecular Characterization of Genes Encoding a Novel ABC Transporter in <i>Thermoanaerobacterium thermosulfurigenes</i> EM1. <i>Current Microbiology</i> , 1997, 35, 237-239.	2.2	1
612	Protein kinase C-independent correlation between P-glycoprotein expression and volume sensitivity of Cl ⁻ channel. <i>Journal of Membrane Biology</i> , 1997, 157, 63-69.	2.1	33
613	Residues in the α helix 7 of the bacterial maltose binding protein which are important in interactions with the MalFGK2 complex. <i>Protein Science</i> , 1997, 6, 628-636.	7.6	13
614	Bacterial protein secretion – a target for new antibiotics?. <i>Chemistry and Biology</i> , 1997, 4, 637-641.	6.0	32
615	Can prenylcysteines be exploited as ligands for mammalian multidrug-resistance transporters?. <i>Chemistry and Biology</i> , 1997, 4, 711-715.	6.0	1

#	ARTICLE	IF	CITATIONS
616	MULTIDRUG RESISTANCE IN LEUKAEMIA. British Journal of Haematology, 1997, 96, 659-674.	2.5	65
617	A two-gene ABC-type transport system that extrudes Na ⁺ in <i>Bacillus subtilis</i> is induced by ethanol or protonophore. Molecular Microbiology, 1997, 23, 1107-1120.	2.5	66
618	Double-glycine-type leader peptides direct secretion of bacteriocins by ABC transporters: colicin V secretion in <i>Lactococcus lactis</i> . Molecular Microbiology, 1997, 23, 1293-1301.	2.5	156
619	Mutational analysis of the <i>Saccharomyces cerevisiae</i> ATP-binding cassette transporter protein Ycf1p. Molecular Microbiology, 1997, 25, 683-694.	2.5	45
620	Competence and virulence of <i>Streptococcus pneumoniae</i> : Adc and PsaA mutants exhibit a requirement for Zn and Mn resulting from inactivation of putative ABC metal permeases. Molecular Microbiology, 1997, 25, 727-739.	2.5	375
621	Pheromone-induced production of antimicrobial peptides in <i>Lactobacillus</i> . Molecular Microbiology, 1997, 26, 347-360.	2.5	167
622	Heat shock induction by a misassembled cytoplasmic membrane protein complex in <i>Escherichia coli</i> . Molecular Microbiology, 1997, 26, 821-831.	2.5	11
623	ATP-dependent ferric hydroxamate transport system in <i>Escherichia coli</i> : periplasmic FhuD interacts with a periplasmic and with a transmembrane/cytoplasmic region of the integral membrane protein FhuB, as revealed by competitive peptide mapping. Molecular Microbiology, 1997, 26, 1109-1123.	2.5	53
624	Small neuraminidase gene of <i>Clostridium perfringens</i> ATCC 10543: Cloning, nucleotide sequence, and production. Enzyme and Microbial Technology, 1997, 20, 277-285.	3.2	3
625	Disruption of actin organization by cytochalasin D does not impair biliary secretion of organic anions in the rat. Hepatology, 1997, 25, 970-975.	7.3	10
626	Significance of ABC transporters in fungicide sensitivity and resistance. Pest Management Science, 1997, 51, 271-275.	0.4	88
627	Sequence Analysis of a 33.2 kb Segment from the Left Arm of Yeast Chromosome XV Reveals Eight Known Genes and Ten New Open Reading Frames Including Homologues of ABC Transporters, Inositol Phosphatases and Human Expressed Sequence Tags. , 1997, 13, 583-589.		4
628	Mutations in the adrenoleukodystrophy gene. Human Mutation, 1997, 9, 500-511.	2.5	43
629	Targeted inactivation of the X-linked adrenoleukodystrophy gene in mice. Journal of Neuroscience Research, 1997, 50, 829-843.	2.9	181
630	Vault-related resistance to anticancer drugs determined by the expression of the major vault protein LRP. Cytotechnology, 1998, 27, 137-148.	1.6	16
631	Molecular analysis of the multidrug transporter, P-glycoprotein. , 1998, 27, 31-60.		28
632	Potassium channel openers require ATP to bind to and act through sulfonylurea receptors. EMBO Journal, 1998, 17, 5529-5535.	7.8	185
633	CFTR Cl ⁻ channel and CFTR-associated ATP channel: distinct pores regulated by common gates. EMBO Journal, 1998, 17, 898-908.	7.8	121

#	ARTICLE	IF	CITATIONS
634	Multiplicity of biliary excretion mechanisms for the camptothecin derivative irinotecan (CPT-11), its metabolite SN-38, and its glucuronide: role of canalicular multispecific organic anion transporter and P-glycoprotein. <i>Cancer Chemotherapy and Pharmacology</i> , 1998, 42, S44-S49.	2.3	90
635	Kinetic Analysis of Calcein and Calceinâ€™Acetoxymethylester Efflux Mediated by the Multidrug Resistance Protein and P-Glycoprotein. <i>Biochemistry</i> , 1998, 37, 2243-2250.	2.5	183
636	A gene encoding a liver-specific ABC transporter is mutated in progressive familial intrahepatic cholestasis. <i>Nature Genetics</i> , 1998, 20, 233-238.	21.4	968
637	A bacterial antibiotic-resistance gene that complements the human multidrug-resistance P-glycoprotein gene. <i>Nature</i> , 1998, 391, 291-295.	27.8	239
638	The Role of P-Glycoprotein and Canalicular Multispecific Organic Anion Transporter in the Hepatobiliary Excretion of Drugs. <i>Journal of Pharmaceutical Sciences</i> , 1998, 87, 1025-1040.	3.3	102
639	Hepatobiliary and intestinal clearance of amphiphilic cationic drugs in mice in which both <i>mdr1a</i> and <i>mdr1b</i> genes have been disrupted. <i>British Journal of Pharmacology</i> , 1998, 124, 416-424.	5.4	71
640	A genome-based approach for the identification of essential bacterial genes. <i>Nature Biotechnology</i> , 1998, 16, 851-856.	17.5	259
641	Epitope mapping of monoclonal antibodies specific for the 190-kDa multidrug resistance protein (MRP). <i>British Journal of Cancer</i> , 1998, 78, 1134-1140.	6.4	69
642	The MHC class I ligand-generating system: roles of immunoproteasomes and the interferon-4gMY-inducible proteasome activator PA28. <i>Immunological Reviews</i> , 1998, 163, 161-176.	6.0	294
643	ABC transporters in antibiotic-producing actinomycetes. <i>FEMS Microbiology Letters</i> , 1998, 158, 1-8.	1.8	71
644	Characterisation of human steroid hormone transport mediated by Cdr1p, a multidrug transporter of <i>Candida albicans</i> , belonging to the ATP binding cassette super family. <i>FEMS Microbiology Letters</i> , 1998, 158, 69-74.	1.8	65
645	ATP-binding-cassette (ABC) transport systems: Functional and structural aspects of the ATP-hydrolyzing subunits/domains. <i>FEMS Microbiology Reviews</i> , 1998, 22, 1-20.	8.6	454
646	Mirror expression of adrenoleukodystrophy and adrenoleukodystrophy related genes in mouse tissues and human cell lines. <i>European Journal of Cell Biology</i> , 1998, 75, 254-264.	3.6	76
647	Direct binding of chloroquine to the multidrug resistance protein (MRP). <i>Biochemical Pharmacology</i> , 1998, 56, 733-742.	4.4	56
648	A comparison of the phenomenology and genetics of multidrug resistance in cancer cells and quinoline resistance in <i>Plasmodium falciparum</i> . , 1998, 77, 1-28.		71
649	The human malaria parasite <i>Plasmodium falciparum</i> exports the ATP-binding cassette protein PFGCN20 to membrane structures in the host red blood cell. <i>Molecular and Biochemical Parasitology</i> , 1998, 97, 81-95.	1.1	33
650	yGenetic manipulation of antitumor-agent biosynthesis to produce novel drugs. <i>Trends in Biotechnology</i> , 1998, 16, 475-482.	9.3	23
651	The ATPase and ATP-binding functions of P-glycoprotein. Modulation by interaction with defined phospholipids. <i>FEBS Journal</i> , 1998, 256, 170-178.	0.2	79

#	ARTICLE	IF	CITATIONS
652	Ligand size is a major determinant of specificity in periplasmic oxyanion-binding proteins: the 1.2 Å resolution crystal structure of <i>Azotobacter vinelandii</i> ModA. <i>Structure</i> , 1998, 6, 1529-1539.	3.3	61
653	The crystal structure of pneumococcal surface antigen PsaA reveals a metal-binding site and a novel structure for a putative ABC-type binding protein. <i>Structure</i> , 1998, 6, 1553-1561.	3.3	213
654	Contribution of the murine <i>mdr1a</i> P-glycoprotein to hepatobiliary and intestinal elimination of cationic drugs as measured in mice with an <i>mdr1a</i> gene disruption. <i>Hepatology</i> , 1998, 27, 1056-1063.	7.3	71
655	A novel bioassay for P-glycoprotein functionality using cytochalasin D. , 1998, 31, 187-198.		16
656	Multidrug resistance mediated by the ATP-binding cassette transporter protein MRP. <i>BioEssays</i> , 1998, 20, 931-940.	2.5	305
658	An investigation of herbicide interaction with the H ⁺ -ATPase activity of plant plasma membranes. <i>Pest Management Science</i> , 1998, 53, 155-164.	0.4	8
659	The Sge1 protein of <i>Saccharomyces cerevisiae</i> is a membrane-associated multidrug transporter. , 1998, 14, 49-65.		27
660	Deletion of transmembrane domain 12 of CDR1, a multidrug transporter from <i>Candida albicans</i> , leads to altered drug specificity: Expression of a yeast multidrug transporter in baculovirus expression system. , 1998, 14, 535-550.		35
661	Fusion of a fission yeast. <i>Yeast</i> , 1998, 14, 1529-1566.	1.7	102
662	A model for the nucleotide-binding domains of ABC transporters based on the large domain of aspartate aminotransferase. <i>Proteins: Structure, Function and Bioinformatics</i> , 1998, 30, 275-286.	2.6	11
663	Induction of <i>mdr1b</i> mRNA and P-glycoprotein expression by tumor necrosis factor alpha in primary rat hepatocyte cultures. <i>Journal of Cellular Physiology</i> , 1998, 176, 506-515.	4.1	77
664	<i>Rhizobium tropici</i> genes involved in specific uptake of <i>Phaseolus vulgaris</i> bean-exudate compounds. <i>Molecular Genetics and Genomics</i> , 1998, 258, 587-598.	2.4	38
665	Cloning and expression analyses of AtMRP4, a novel MRP-like gene from <i>Arabidopsis thaliana</i> . <i>Molecular Genetics and Genomics</i> , 1998, 258, 655-662.	2.4	39
666	Cloning of <i>caf1</i> ⁺ , <i>caf2</i> ⁺ and <i>caf4</i> ⁺ from <i>Schizosaccharomyces pombe</i> : their involvement in multidrug resistance, UV and pH sensitivity. <i>Molecular Genetics and Genomics</i> , 1998, 260, 434-443.	2.4	15
667	Mapping of the rod photoreceptor ABC transporter (ABCR) to 1p21-p22.1 and identification of novel mutations in Stargardt's disease. <i>Human Genetics</i> , 1998, 102, 21-26.	3.8	94
668	Diagnostics of multidrug resistance in cancer. <i>Pathology and Oncology Research</i> , 1998, 4, 251-257.	1.9	44
669	Regulation of bacterial phosphate taxis and polyphosphate accumulation in response to phosphate starvation stress. <i>Journal of Biosciences</i> , 1998, 23, 491-499.	1.1	17
670	A New Structural Model for P-Glycoprotein. <i>Journal of Membrane Biology</i> , 1998, 166, 133-147.	2.1	44

#	ARTICLE	IF	CITATIONS
671	Xylose Transport by the Anaerobic Thermophile <i>Thermoanaerobacter ethanolicus</i> and the Characterization of a D-Xylose-Binding Protein. <i>Current Microbiology</i> , 1998, 37, 295-300.	2.2	6
672	Identification of polymorphic mutant alleles of CaMDR1, a major facilitator of <i>Candida albicans</i> which confers multidrug resistance, and its in vitro transcriptional activation. <i>Current Genetics</i> , 1998, 34, 192-199.	1.7	79
673	Transport activity of the multidrug resistance protein is accompanied by amiloride-sensitive intracellular pH changes in rat hepatoma cells. <i>Hepatology Research</i> , 1998, 10, 27-40.	3.4	2
674	Recent developments in drug resistance and apoptosis research. <i>Critical Reviews in Oncology/Hematology</i> , 1998, 28, 181-205.	4.4	15
675	An ABC transporter of <i>Arabidopsis thaliana</i> has both glutathione conjugate and chlorophyll catabolite transport activity. <i>Plant Journal</i> , 1998, 13, 773-780.	5.7	269
676	A Ste6p/P-glycoprotein homologue from the asexual yeast <i>Candida albicans</i> transports the α -factor mating pheromone in <i>Saccharomyces cerevisiae</i> . <i>Molecular Microbiology</i> , 1998, 27, 587-598.	2.5	55
677	<i>Serratia marcescens</i> layer protein is secreted extracellularly via an ATP-binding cassette exporter, the Lip system. <i>Molecular Microbiology</i> , 1998, 27, 941-952.	2.5	82
678	Exochelin genes in <i>Mycobacterium smegmatis</i> : identification of an ABC transporter and two non-ribosomal peptide synthetase genes. <i>Molecular Microbiology</i> , 1998, 29, 629-639.	2.5	69
679	Sequence and analysis of the 60-kb conjugative, bacteriocin-producing plasmid pMRC01 from <i>Lactococcus lactis</i> DPC3147. <i>Molecular Microbiology</i> , 1998, 29, 1029-1038.	2.5	171
680	Yeast gene YRR1, which is required for resistance to 4-nitroquinoline N-oxide, mediates transcriptional activation of the multidrug resistance transporter gene SNQ2. <i>Molecular Microbiology</i> , 1998, 29, 1307-1315.	2.5	65
681	In vitro interaction between components of the inner membrane complex of the maltose ABC transporter of <i>Escherichia coli</i> : modulation by ATP. <i>Molecular Microbiology</i> , 1998, 30, 353-363.	2.5	37
682	Overexpression of lung-resistance protein and increased P-glycoprotein function in acute myeloid leukaemia cells predict a poor response to chemotherapy and reduced patient survival. <i>British Journal of Haematology</i> , 1998, 103, 1083-1091.	2.5	71
683	Peptide transport in human lymphoblastoid and tumor cells: effect of transporter associated with antigen presentation (TAP) polymorphism. <i>Immunology Letters</i> , 1998, 61, 25-31.	2.5	41
684	A fourth gene from the <i>Candida albicans</i> CDR family of ABC transporters. <i>Gene</i> , 1998, 220, 91-98.	2.2	60
685	Correlating structure and function in ATP-sensitive K ⁺ channels. <i>Trends in Neurosciences</i> , 1998, 21, 288-294.	8.6	392
686	Calcein accumulation in mussel blood cells. <i>Marine Environmental Research</i> , 1998, 46, 425-428.	2.5	8
687	FROM VACUOLAR GS-X PUMPS TO MULTISPECIFIC ABC TRANSPORTERS. <i>Annual Review of Plant Biology</i> , 1998, 49, 727-760.	14.3	292
688	Multidrug ABC transporters from bacteria to man: an emerging hypothesis for the universality of molecular mechanism and function. <i>Drug Resistance Updates</i> , 1998, 1, 81-83.	14.4	18

#	ARTICLE	IF	CITATIONS
689	Staphylococcal resistance to streptogramins and related antibiotics. Drug Resistance Updates, 1998, 1, 169-175.	14.4	20
690	New physiological functions for drug-transporting P-glycoproteins?. Drug Resistance Updates, 1998, 1, 337-339.	14.4	12
691	ABC transporters in Leishmania and their role in drug resistance. Drug Resistance Updates, 1998, 1, 43-48.	14.4	64
692	A touching case of channel regulation: the ATP-sensitive K ⁺ channel. Current Opinion in Neurobiology, 1998, 8, 316-320.	4.2	46
693	Kinase- ϵ -phosphatase competition regulates Bacillus subtilis development. Trends in Microbiology, 1998, 6, 366-370.	7.7	99
694	Protein and peptide secretion by ABC exporters. Research in Microbiology, 1998, 149, 163-170.	2.1	19
695	Biochemical and molecular aspects of genetic disorders of bilirubin metabolism. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1998, 1407, 173-184.	3.8	83
696	The C. elegans Cell Corpse Engulfment Gene ced-7 Encodes a Protein Similar to ABC Transporters. Cell, 1998, 93, 951-960.	28.9	275
697	Lipid metabolism in peroxisomes in relation to human disease. Molecular Aspects of Medicine, 1998, 19, i-154.	6.4	111
698	The ABC family of multidrug transporters in microorganisms. Biochimica Et Biophysica Acta - Bioenergetics, 1998, 1365, 31-36.	1.0	133
699	Effects of cardiovascular drugs on ATPase activity of P-glycoprotein in plasma membranes and in purified reconstituted form. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1369, 85-93.	2.6	35
700	Non-equivalent cooperation between the two nucleotide-binding folds of P-glycoprotein. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1373, 131-136.	2.6	33
701	Identification of an ABC transporter gene that exhibits mRNA level overexpression in fluoroquinolone-resistant Mycobacterium smegmatis. FEBS Letters, 1998, 425, 151-156.	2.8	18
702	Genomic organization and chromosomal localization of the human peroxisomal membrane protein-1-like protein (PXMP1-L) gene encoding a peroxisomal ABC transporter1. FEBS Letters, 1998, 426, 238-242.	2.8	7
703	Regulation of CFTR ion channel gating by MgATP. FEBS Letters, 1998, 431, 97-101.	2.8	73
704	The mouse gene encoding the peroxisomal membrane protein 1-like protein (PXMP1-L): cDNA cloning, genomic organization and comparative expression studies1. FEBS Letters, 1998, 433, 179-183.	2.8	8
705	Identification of a human mitochondrial ABC transporter, the functional orthologue of yeast Atm1p. FEBS Letters, 1998, 441, 266-270.	2.8	129
706	Research note Use of P-glycoprotein gene probes to investigate anthelmintic resistance in Haemonchus contortus and comparison with Onchocerca volvulusfn1fn1Note: Sequence data reported in this paper are available in the GenBankTM database under the accession numbers U94401 (Haemonchus contortus) and U94399 and U94400 (Onchocerca volvulus).. International Journal for Parasitology, 1998, 28, 1235-1240.	3.1	37

#	ARTICLE	IF	CITATIONS
707	Developmental expression of a <i>Fasciola hepatica</i> sequence homologous to ABC transporters1Note:The sequence data reported in this paper have been submitted to GenBankâ„¢ and assigned the accession numbers L36247 and L36248.1. <i>International Journal for Parasitology</i> , 1998, 28, 1375-1381.	3.1	20
708	WHAT WE KNOW AND WHAT WE DO NOT KNOW ABOUT CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR. <i>Clinics in Chest Medicine</i> , 1998, 19, 459-471.	2.1	5
709	[20] Use of cell-free systems to determine P-glycoprotein transmembrane topology. <i>Methods in Enzymology</i> , 1998, 292, 279-289.	1.0	0
710	Heterologous expression of the bacteriocin mesentericin Y105 using the dedicated transport system and the general secretion pathway. <i>Microbiology (United Kingdom)</i> , 1998, 144, 2845-2854.	1.8	61
711	ROLE OF ORGANIC CATION TRANSPORTERS IN DRUG ABSORPTION AND ELIMINATION. <i>Annual Review of Pharmacology and Toxicology</i> , 1998, 38, 431-460.	9.4	190
712	[10] <i>Saccharomyces cerevisiae</i> ABC proteins and their relevance to human health and disease. <i>Methods in Enzymology</i> , 1998, 292, 130-162.	1.0	90
713	Proximity of the Nucleotide Binding Domains of the P-glycoprotein Multidrug Transporter to the Membrane Surface:Â A Resonance Energy Transfer Studyâ€. <i>Biochemistry</i> , 1998, 37, 6503-6512.	2.5	45
714	Mutations in Either Nucleotide-Binding Site of P-glycoprotein (Mdr3) Prevent Vanadate Trapping of Nucleotide at Both Sitesâ€. <i>Biochemistry</i> , 1998, 37, 4592-4602.	2.5	134
715	Transmembrane Domain of Cystic Fibrosis Transmembrane Conductance Regulator:Â Design, Characterization, and Secondary Structure of Synthetic Peptides m1â~m6â€. <i>Biochemistry</i> , 1998, 37, 844-853.	2.5	37
716	Drug Binding and Nucleotide Hydrolyzability Are Essential Requirements in the Vanadate-Induced Inhibition of the Human P-Glycoprotein ATPaseâ€. <i>Biochemistry</i> , 1998, 37, 14981-14988.	2.5	10
717	Epitope Insertion Favors a Six Transmembrane Domain Model for the Carboxy-Terminal Portion of the Multidrug Resistance-Associated Protein. <i>Biochemistry</i> , 1998, 37, 2305-2313.	2.5	71
718	Biliary Secretion of Î±-Tocopherol and the Role of the mdr2 P-Glycoprotein in Rats and Mice. <i>Archives of Biochemistry and Biophysics</i> , 1998, 350, 183-192.	3.0	69
719	Molecular cDNA Cloning and Tissue Distribution of mRNA Encoding a Novel ATP-Binding Cassette (ABC) Half-Transporter. <i>Biochemical and Biophysical Research Communications</i> , 1998, 249, 151-155.	2.1	16
720	Positioning of Nuclei in the Secondary Mycelium of <i>Schizophyllum commune</i> in Relation to Differential Gene Expression. <i>Fungal Genetics and Biology</i> , 1998, 23, 150-161.	2.1	59
721	ABC50, a Novel Human ATP-Binding Cassette Protein Found in Tumor Necrosis Factor-Î±-Stimulated Synoviocytes. <i>Genomics</i> , 1998, 53, 137-145.	2.9	75
722	Chemotaxis Receptors: A Progress Report on Structure and Function. <i>Journal of Structural Biology</i> , 1998, 124, 257-275.	2.8	64
723	A Human Succinate-Ubiquinone Oxidoreductase CII-3 Subunit Gene Ending in a Polymorphic Dinucleotide Repeat Is Located within the Sulfonyleurea Receptor (SUR) Gene. <i>Molecular Genetics and Metabolism</i> , 1998, 65, 187-190.	1.1	7
724	Need for TolC, an <i>Escherichia coli</i> outer membrane protein, in the secretion of heat-stable enterotoxin I across the outer membrane. <i>Microbial Pathogenesis</i> , 1998, 25, 111-120.	2.9	55

#	ARTICLE	IF	CITATIONS
725	Cystic Fibrosis: A Multiple Exocrinopathy Caused by Dysfunctions in a Multifunctional Transport Protein. American Journal of Medicine, 1998, 104, 576-590.	1.5	40
726	The functioning of the CO ₂ concentrating mechanism in several cyanobacterial strains: a review of general physiological characteristics, genes, proteins, and recent advances. Canadian Journal of Botany, 1998, 76, 973-1002.	1.1	58
727	[1] Overview of bacterial ABC transporters. Methods in Enzymology, 1998, 292, 3-20.	1.0	68
728	Halogenated Chalcones with High-Affinity Binding to P-Glycoprotein: Potential Modulators of Multidrug Resistance. Journal of Medicinal Chemistry, 1998, 41, 4161-4164.	6.4	96
729	Spectroscopic and biophysical approaches for studying the structure and function of the P-glycoprotein multidrug transporter. Biochemistry and Cell Biology, 1998, 76, 695-708.	2.0	40
730	CIC AND CFTR CHLORIDE CHANNEL GATING. Annual Review of Physiology, 1998, 60, 689-717.	13.1	71
731	Mutations in the canicular multispecific organic anion transporter (cMOAT) gene, a novel ABC transporter, in patients with hyperbilirubinemia II/Dubin-Johnson syndrome. Human Molecular Genetics, 1998, 7, 203-207.	2.9	241
732	Characterization of the <i>nisFEG</i> Operon of the Nisin Z Producing <i>Lactococcus Lactis</i> Subsp. <i>Lactis</i> N8 Strain. DNA Sequence, 1998, 9, 263-274.	0.7	20
733	AtMRP2, an Arabidopsis ATP Binding Cassette Transporter Able to Transport Glutathione S-Conjugates and Chlorophyll Catabolites: Functional Comparisons with AtMRP1. Plant Cell, 1998, 10, 267-282.	6.6	255
734	Genetic Separation of FK506 Susceptibility and Drug Transport in the Yeast Pdr5 ATP-binding Cassette Multidrug Resistance Transporter. Molecular Biology of the Cell, 1998, 9, 523-543.	2.1	146
735	Genetic Heterogeneity in Familial Hyperinsulinism. Human Molecular Genetics, 1998, 7, 1119-1128.	2.9	116
736	Cytoplasmic Carbonic Anhydrase II of Rat Coagulating Gland Is Secreted via the Apocrine Export Mode. Journal of Histochemistry and Cytochemistry, 1998, 46, 505-511.	2.5	35
737	Involvement of an ABC Transporter in a Developmental Pathway Regulating Hypocotyl Cell Elongation in the Light. Plant Cell, 1998, 10, 1623-1636.	6.6	160
738	Different Pattern of MRP Localization in Ciliated and Basal Cells from Human Bronchial Epithelium. Journal of Histochemistry and Cytochemistry, 1998, 46, 513-517.	2.5	66
739	Altered adherence properties of a <i>Streptococcus gordonii</i> hppA (oligopeptide permease) mutant result from transcriptional effects on cshA adhesin gene expression. Microbiology (United Kingdom), 1998, 144, 127-136.	1.8	50
740	Multidrug Resistance Protein. Journal of Biological Chemistry, 1998, 273, 10733-10740.	3.4	81
741	Suppression of peroxisomal membrane protein defects by peroxisomal ATP binding cassette (ABC) proteins. Human Molecular Genetics, 1998, 7, 239-247.	2.9	93
742	Evidence against the Bm1P1 Protein as a Positive Transcription Factor for Barbiturate-mediated Induction of Cytochrome P450BM-1 in <i>Bacillus megaterium</i> . Journal of Biological Chemistry, 1998, 273, 7996-8002.	3.4	17

#	ARTICLE	IF	CITATIONS
743	Multidrug Resistance Phenotype Conferred by Overexpressing bfr2+/pad1+/sks1+ or pap1+ Genes and Mediated by bfr1+ Gene Product, a Structural and Functional Homologue of P-Glycoprotein in <i>Schizosaccharomyces pombe</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 1998, 62, 390-392.	1.3	9
744	Mode of Binding of Anti-P-glycoprotein Antibody MRK-16 to Its Antigen. <i>Journal of Biological Chemistry</i> , 1998, 273, 25413-25419.	3.4	14
745	Retroviral Transfer and Long-Term Expression of the Adrenoleukodystrophy Gene in Human CD34+ Cells. <i>Human Gene Therapy</i> , 1998, 9, 1025-1036.	2.7	38
746	Oligopeptide permease in <i>Borrelia burgdorferi</i> : putative peptide-binding components encoded by both chromosomal and plasmid loci. <i>Microbiology (United Kingdom)</i> , 1998, 144, 1033-1044.	1.8	99
747	Drug-stimulated Nucleotide Trapping in the Human Multidrug Transporter MDR1. <i>Journal of Biological Chemistry</i> , 1998, 273, 10132-10138.	3.4	82
748	Endoplasmic Reticulum Degradation of a Mutated ATP-binding Cassette Transporter Pdr5 Proceeds in a Concerted Action of Sec61 and the Proteasome. <i>Journal of Biological Chemistry</i> , 1998, 273, 32848-32856.	3.4	166
749	Quality Control by Proteases in the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 1998, 273, 32373-32376.	3.4	57
750	Herpes Simplex Virus Inhibitor ICP47 Destabilizes the Transporter Associated with Antigen Processing (TAP) Heterodimer. <i>Journal of Biological Chemistry</i> , 1998, 273, 17386-17390.	3.4	56
751	Dissection of De Novo Membrane Insertion Activities of Internal Transmembrane Segments of ATP-Binding-Cassette Transporters: Toward Understanding Topological Rules for Membrane Assembly of Polytopic Membrane Proteins. <i>Molecular Biology of the Cell</i> , 1998, 9, 853-863.	2.1	25
752	The <i>Pasteurella haemolytica</i> 35 kDa iron-regulated protein is an FbpA homologue. <i>Microbiology (United Kingdom)</i> , 1998, 144, 3425-3436.	1.8	29
753	Clinical Pharmacology of Systemic Antifungal Agents: A Comprehensive Review of Agents in Clinical Use, Current Investigational Compounds, and Putative Targets for Antifungal Drug Development. <i>Advances in Pharmacology</i> , 1998, 44, 343-500.	2.0	333
754	Analysis of the Nitrous Oxide Reduction Genes, nosZDFYL, of <i>Achromobacter cycloclastes</i> . <i>DNA Research</i> , 1998, 5, 365-371.	3.4	6
755	<i>Bacillus subtilis</i> genes for the utilization of sulfur from aliphatic sulfonates. <i>Microbiology (United Kingdom)</i> , 1998, 144, 1033-1044.	1.8	83
756	Human Monocarboxylate Transporter 2 (MCT2) Is a High Affinity Pyruvate Transporter. <i>Journal of Biological Chemistry</i> , 1998, 273, 28959-28965.	3.4	173
757	Response of <i>Bacillus subtilis</i> to high osmolarity: uptake of carnitine, crotonobetaine and β -butyrobetaine via the ABC transport system OpuC. <i>Microbiology (United Kingdom)</i> , 1998, 144, 83-90.	1.8	66
758	Transmembrane topology of the two FhuB domains representing the hydrophobic components of bacterial ABC transporters involved in the uptake of siderophores, haem and vitamin B. <i>Microbiology (United Kingdom)</i> , 1998, 144, 2759-2769.	1.8	31
759	Disruption studies of a <i>Candida albicans</i> gene, ELF1: a member of the ATP-binding cassette family. <i>Microbiology (United Kingdom)</i> , 1998, 144, 2311-2321.	1.8	20
760	Characterization of MOAT-C and MOAT-D, New Members of the MRP/cMOAT Subfamily of Transporter Proteins. <i>Journal of the National Cancer Institute</i> , 1998, 90, 1735-1741.	6.3	159

#	ARTICLE	IF	CITATIONS
761	[36] Purification and reconstitution of human P-glycoprotein. Methods in Enzymology, 1998, 292, 492-504.	1.0	33
762	Rhodamine 123 efflux in human subpopulations of hematopoietic stem cells: Comparison between bone marrow, umbilical cord blood and mobilized peripheral blood CD34+ cells. International Journal of Molecular Medicine, 1998, 22, 237.	4.0	9
763	Molecular Genetics of Peroxisomal Disorders. Fetal and Pediatric Pathology, 1998, 18, 455-470.	0.3	0
764	[2] Preparation and reconstitution of membrane-associated maltose transporter complex of Escherichia coli. Methods in Enzymology, 1998, 292, 20-29.	1.0	12
765	[8] Evolutionary relationships among ABC transporters. Methods in Enzymology, 1998, 292, 101-116.	1.0	50
766	[9] Cloning of novel ABC transporter genes. Methods in Enzymology, 1998, 292, 116-130.	1.0	17
767	[22] Identification of drug interaction sites in P-glycoprotein. Methods in Enzymology, 1998, 292, 307-316.	1.0	9
768	[38] ATPase activity of Chinese hamster P-glycoprotein. Methods in Enzymology, 1998, 292, 514-523.	1.0	32
769	5 The Development of Voltage-Gated Ion Channels and Its Relation to Activity-Dependent Developmental Events. Current Topics in Developmental Biology, 1998, 39, 159-185.	2.2	35
770	The drug efflux protein, P-glycoprotein, additionally protects drug-resistant tumor cells from multiple forms of caspase-dependent apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 7024-7029.	7.1	328
771	Comparison between Anthracyclines and Rhodamine-123 Accumulation in Chronic Lymphoid Leukemia: Effect of Cyclosporin A and Verapamil. Tumor Biology, 1998, 19, 41-51.	1.8	8
772	Role for the Ubiquitin-Proteasome System in the Vacuolar Degradation of Ste6p, the YAP -Factor Transporter in <i>Saccharomyces cerevisiae</i> . Molecular and Cellular Biology, 1998, 18, 779-789.	2.3	66
773	Neural Tube and Craniofacial Defects With Special Emphasis On Folate Pathway Genes. Critical Reviews in Oral Biology and Medicine, 1998, 9, 38-53.	4.4	79
774	MgATP activates the K^+ cell KATP channel by interaction with its SUR1 subunit. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 7185-7190.	7.1	162
775	<i>In vitro</i> disassembly and reassembly of an ABC transporter, the histidine permease. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 3495-3500.	7.1	61
776	The ROMK-cystic fibrosis transmembrane conductance regulator connection. Current Opinion in Nephrology and Hypertension, 1998, 7, 49-58.	2.0	27
777	P Glycoprotein: A New Mechanism to Control Drug-Induced Nephrotoxicity. Nephron Experimental Nephrology, 1998, 6, 89-97.	2.2	44
778	Generation and TAP-Mediated Transport of Peptides for Major Histocompatibility Complex Class I Molecules. Advances in Immunology, 1998, 68, 191-256.	2.2	94

#	ARTICLE	IF	CITATIONS
779	[25] Identification of in vivo phosphorylation sites for basic-directed kinases in murine mdr1b P-glycoprotein by combination of mass spectrometry and site-directed mutagenesis. <i>Methods in Enzymology</i> , 1998, 292, 342-358.	1.0	4
780	Opine Catabolic Loci from <i>Agrobacterium</i> Plasmids Confer Chemotaxis to Their Cognate Substrates. <i>Molecular Plant-Microbe Interactions</i> , 1998, 11, 131-143.	2.6	35
781	ATP-Sensitive Potassium Channels: Structures, Functions, and Pathophysiology. <i>The Japanese Journal of Physiology</i> , 1998, 48, 397-412.	0.9	47
782	Evolutionary origins of multidrug and drug-specific efflux pumps in bacteria. <i>FASEB Journal</i> , 1998, 12, 265-274.	0.5	210
783	Role of ABC Transporters in Aureobasidin A Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 1998, 42, 755-761.	3.2	39
784	Identification of the synthetic surfactant nonylphenol ethoxylate: a P-glycoprotein substrate in human urine. <i>American Journal of Physiology - Renal Physiology</i> , 1998, 274, F1127-F1139.	2.7	7
785	Enterocins L50A and L50B, Two Novel Bacteriocins from <i>Enterococcus faecium</i> L50, Are Related to Staphylococcal Hemolysins. <i>Journal of Bacteriology</i> , 1998, 180, 1988-1994.	2.2	256
786	Evolutionary origins of multidrug and drug-specific efflux pumps in bacteria. <i>FASEB Journal</i> , 1998, 12, 265-274.	0.5	184
787	The Xylose-Binding Protein, XylF, from <i>Thermoanaerobacter ethanolicus</i> 39E: Cloning, Molecular Analysis, and Expression of the Structural Gene. <i>Journal of Bacteriology</i> , 1998, 180, 3570-3577.	2.2	22
788	Major Facilitator Superfamily. <i>Microbiology and Molecular Biology Reviews</i> , 1998, 62, 1-34.	6.6	1,760
789	Maltose/Maltodextrin System of <i>Escherichia coli</i> : Transport, Metabolism, and Regulation. <i>Microbiology and Molecular Biology Reviews</i> , 1998, 62, 204-229.	6.6	556
790	Large-Scale Identification of Virulence Genes from <i>Streptococcus pneumoniae</i> . <i>Infection and Immunity</i> , 1998, 66, 5620-5629.	2.2	421
791	Distinct Patterns of Gene Expression Associated with Development of Fluconazole Resistance in Serial <i>Candida albicans</i> Isolates from Human Immunodeficiency Virus-Infected Patients with Oropharyngeal Candidiasis. <i>Antimicrobial Agents and Chemotherapy</i> , 1998, 42, 2932-2937.	3.2	211
792	Chloride channel and chloride conductance regulator domains of CFTR, the cystic fibrosis transmembrane conductance regulator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 2674-2679.	7.1	82
793	Antifungal Agents: Mode of Action, Mechanisms of Resistance, and Correlation of These Mechanisms with Bacterial Resistance. <i>Clinical Microbiology Reviews</i> , 1999, 12, 501-517.	13.6	1,367
794	Control of CFTR Channel Gating by Phosphorylation and Nucleotide Hydrolysis. <i>Physiological Reviews</i> , 1999, 79, S77-S107.	28.8	397
795	CFTR Is a Conductance Regulator as well as a Chloride Channel. <i>Physiological Reviews</i> , 1999, 79, S145-S166.	28.8	394
796	The human multidrug resistance P-glycoprotein is inactive when its maturation is inhibited: potential for a role in cancer chemotherapy. <i>FASEB Journal</i> , 1999, 13, 1724-1732.	0.5	84

#	ARTICLE	IF	CITATIONS
797	Structure and Function of the CFTR Chloride Channel. <i>Physiological Reviews</i> , 1999, 79, S23-S45.	28.8	863
798	Incorporation Of Membrane Proteins Into Lipid Bilayers For Scanning Transmission Electron Microscopy And Single Particle Reconstruction. <i>Microscopy and Microanalysis</i> , 1999, 5, 1314-1315.	0.4	1
799	Identification of a <i>Streptococcus pneumoniae</i> Gene Locus Encoding Proteins of an ABC Phosphate Transporter and a Two-Component Regulatory System. <i>Journal of Bacteriology</i> , 1999, 181, 1126-1133.	2.2	77
800	Identification of Genetic Determinants for the Hemolytic Activity of <i>Streptococcus agalactiae</i> by IS <i>S1</i> Transposition. <i>Journal of Bacteriology</i> , 1999, 181, 3212-3219.	2.2	102
801	Identification and Disruption of BetL, a Secondary Glycine Betaine Transport System Linked to the Salt Tolerance of <i>Listeria monocytogenes</i> LO28. <i>Applied and Environmental Microbiology</i> , 1999, 65, 2078-2083.	3.1	110
803	Altered Multidrug Resistance Phenotype Caused by Anthracycline Analogues and Cytosine Arabinoside in Myeloid Leukemia. <i>Blood</i> , 1999, 93, 4086-4095.	1.4	54
804	TRAP transporters: an ancient family of extracytoplasmic solute- receptor-dependent secondary active transporters. <i>Microbiology (United Kingdom)</i> , 1999, 145, 3431-3445.	1.8	94
805	Thyroid Hormone Export in Rat FRTL-5 Thyroid Cells and Mouse NIH-3T3 Cells Is Carrier-Mediated, Verapamil-Sensitive, and Stereospecific1. <i>Endocrinology</i> , 1999, 140, 4948-4954.	2.8	18
806	Adrenoleukodystrophy-Related Protein Can Compensate Functionally for Adrenoleukodystrophy Protein Deficiency (X-ALD): Implications for Therapy. <i>Human Molecular Genetics</i> , 1999, 8, 907-913.	2.9	135
807	Increased expression of multidrug resistance related proteins Pgp, MRP1, and LRP/MVP occurs early in colorectal carcinogenesis. <i>Journal of Clinical Pathology</i> , 1999, 52, 450-454.	2.0	45
808	Interest of Colchicine for the Treatment of Cystic Fibrosis Patients. Preliminary Report. <i>Mediators of Inflammation</i> , 1999, 8, 13-15.	3.0	18
809	Antibody C219 recognizes an alpha -helical epitope on P-glycoprotein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 13679-13684.	7.1	45
810	Dynamic Association of Proteasomal Machinery with the Centrosome. <i>Journal of Cell Biology</i> , 1999, 145, 481-490.	5.2	479
811	ATP Binding Cassette Modulators Control Absciscic Acidâ€‘Regulated Slow Anion Channels in Guard Cells. <i>Plant Cell</i> , 1999, 11, 1141-1151.	6.6	76
812	One Intact ATP-binding Subunit Is Sufficient to Support ATP Hydrolysis and Translocation in an ABC Transporter, the Histidine Permease. <i>Journal of Biological Chemistry</i> , 1999, 274, 26727-26735.	3.4	92
813	MRP subfamily ABC transporters from plants and yeast. <i>Journal of Experimental Botany</i> , 1999, 50, 895-913.	4.8	164
814	ATP Binding Properties of the Nucleotide-binding Folds of SUR1. <i>Journal of Biological Chemistry</i> , 1999, 274, 37479-37482.	3.4	90
815	Functional Domain Analysis of the Yeast ABC Transporter Ycf1p by Site-directed Mutagenesis. <i>Journal of Biological Chemistry</i> , 1999, 274, 23584-23590.	3.4	27

#	ARTICLE	IF	CITATIONS
816	Adrenoleukodystrophy protein enhances association of very long-chain acyl-coenzyme A synthetase with the peroxisome. <i>Neurology</i> , 1999, 52, 614-614.	1.1	21
817	The Transmembrane Domains of the Human Multidrug Resistance P-glycoprotein Are Sufficient to Mediate Drug Binding and Trafficking to the Cell Surface. <i>Journal of Biological Chemistry</i> , 1999, 274, 24759-24765.	3.4	119
818	pABC11 (Also Known as MOAT-C and MRP5), a Member of the ABC Family of Proteins, Has Anion Transporter Activity but Does Not Confer Multidrug Resistance When Overexpressed in Human Embryonic Kidney 293 Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 23541-23548.	3.4	163
819	Ion Channel Signal Transduction in Pancreatic Î²-Cells. <i>Advances in Molecular and Cell Biology</i> , 1999, , 227-246.	0.1	1
820	Mutational Analysis and the Pathogenesis of Variant X-linked Adrenoleukodystrophy Phenotypes. <i>Archives of Neurology</i> , 1999, 56, 273.	4.5	13
821	The Essential Role of Mitochondria in the Biogenesis of Cellular Iron-Sulfur Proteins. <i>Biological Chemistry</i> , 1999, 380, 1157-66.	2.5	137
822	Cmdr1, a Chicken P-Glycoprotein, Confers Multidrug Resistance and Interacts with Estradiol. <i>Biological Chemistry</i> , 1999, 380, 231-41.	2.5	23
823	Multidrug Resistance Protein MRP1, Glutathione, and Related Enzymes. <i>Advances in Experimental Medicine and Biology</i> , 1999, 457, 187-198.	1.6	27
824	Both Lobes of the Soluble Receptor of the Periplasmic Histidine Permease, an ABC Transporter (Traffic) Tj ETQq0 0 0 rgBT /Overlock 10 T 739-747.	3.4	38
825	Monoclonal Antibodies That Inhibit the Transport Function of the 190-kDa Multidrug Resistance Protein, MRP. <i>Journal of Biological Chemistry</i> , 1999, 274, 15420-15426.	3.4	71
826	Ligand-mediated Tertiary Structure Changes of Reconstituted P-glycoprotein. <i>Journal of Biological Chemistry</i> , 1999, 274, 17649-17654.	3.4	90
827	A Novel Sulfonylurea Receptor Family Member Expressed in the Embryonic Drosophila Dorsal Vessel and Tracheal System. <i>Journal of Biological Chemistry</i> , 1999, 274, 29420-29425.	3.4	63
828	Interaction of Vanadate with the Cloned Beta Cell KATP Channel. <i>Journal of Biological Chemistry</i> , 1999, 274, 25393-25397.	3.4	13
829	Modulation of ATPase Activity by Physical Disengagement of the ATP-binding Domains of an ABC Transporter, the Histidine Permease. <i>Journal of Biological Chemistry</i> , 1999, 274, 18310-18318.	3.4	46
830	Membrane Topology of the Lactococcal Bacteriocin ATP-binding Cassette Transporter Protein LcnC. <i>Journal of Biological Chemistry</i> , 1999, 274, 8484-8490.	3.4	41
831	Inhibition of P-glycoprotein by cyclosporin A analogues and metabolites. <i>Biochemistry and Cell Biology</i> , 1999, 77, 47-58.	2.0	19
832	Identification of Residues in the Drug-binding Domain of Human P-glycoprotein. <i>Journal of Biological Chemistry</i> , 1999, 274, 35388-35392.	3.4	103
833	Localization of a Substrate Specificity Domain in the Multidrug Resistance Protein. <i>Journal of Biological Chemistry</i> , 1999, 274, 22877-22883.	3.4	52

#	ARTICLE	IF	CITATIONS
834	Casein Kinase I-dependent Phosphorylation and Stability of the Yeast Multidrug Transporter Pdr5p. Journal of Biological Chemistry, 1999, 274, 37139-37146.	3.4	54
835	Retinal Stimulates ATP Hydrolysis by Purified and Reconstituted ABCR, the Photoreceptor-specific ATP-binding Cassette Transporter Responsible for Stargardt Disease. Journal of Biological Chemistry, 1999, 274, 8269-8281.	3.4	322
836	Alternative Splicing of sur2 Exon 17 Regulates Nucleotide Sensitivity of the ATP-sensitive Potassium Channel. Journal of Biological Chemistry, 1999, 274, 13656-13665.	3.4	85
837	Role of Nucleotides and Peptide Substrate for Stability and Functional State of the Human ABC Family Transporters Associated with Antigen Processing. Journal of Biological Chemistry, 1999, 274, 14632-14638.	3.4	29
838	Tissue and Cell Distribution of the Multidrug Resistance-Associated Protein (MRP) in Mouse Intestine and Kidney. Journal of Histochemistry and Cytochemistry, 1999, 47, 757-767.	2.5	130
839	Mechanism of Action of P-Glycoprotein in Relation to Passive Membrane Permeation. International Review of Cytology, 1999, 190, 175-250.	6.2	70
840	Pharmacological plasticity of cardiac ATP-sensitive potassium channels toward diazoxide revealed by ADP. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 12162-12167.	7.1	170
841	Homo- and Heterodimerization of Peroxisomal ATP-binding Cassette Half-transporters. Journal of Biological Chemistry, 1999, 274, 32738-32743.	3.4	121
842	Characterization of the 70-kDa Peroxisomal Membrane Protein, an ATP Binding Cassette Transporter. Journal of Biological Chemistry, 1999, 274, 11968-11976.	3.4	82
843	The Escherichia coli ssuEADCB Gene Cluster Is Required for the Utilization of Sulfur from Aliphatic Sulfonates and Is Regulated by the Transcriptional Activator Cbl. Journal of Biological Chemistry, 1999, 274, 29358-29365.	3.4	107
844	Large Scale Purification of Detergent-soluble P-glycoprotein from Pichia pastoris Cells and Characterization of Nucleotide Binding Properties of Wild-type, Walker A, and Walker B Mutant Proteins. Journal of Biological Chemistry, 1999, 274, 34711-34718.	3.4	138
845	Probing the mechanism of transport and compartmentalisation of polyamines in mammalian cells. Chemistry and Biology, 1999, 6, 717-729.	6.0	96
846	Ecs, an ABC transporter of Bacillus subtilis: dual signal transduction functions affecting expression of secreted proteins as well as their secretion. Molecular Microbiology, 1999, 31, 533-543.	2.5	31
847	Molecular characterization of Escherichia coli FtsE and FtsX. Molecular Microbiology, 1999, 31, 983-993.	2.5	95
848	YbtP and YbtQ: two ABC transporters required for iron uptake in Yersinia pestis. Molecular Microbiology, 1999, 32, 289-299.	2.5	160
849	Two evolutionarily closely related ABC transporters mediate the uptake of choline for synthesis of the osmoprotectant glycine betaine in Bacillus subtilis. Molecular Microbiology, 1999, 32, 203-216.	2.5	171
850	The Yfe system of Yersinia pestis transports iron and manganese and is required for full virulence of plague. Molecular Microbiology, 1999, 32, 403-414.	2.5	248
851	ZapA, the IgA-degrading metalloprotease of Proteus mirabilis, is a virulence factor expressed specifically in swarmer cells. Molecular Microbiology, 1999, 32, 825-836.	2.5	94

#	ARTICLE	IF	CITATIONS
852	Identification and molecular characterization of a novel <i>Salmonella enteritidis</i> pathogenicity islet encoding an ABC transporter. <i>Molecular Microbiology</i> , 1999, 33, 791-805.	2.5	46
853	Identification and characterization of a <i>Streptococcus pyogenes</i> ABC transporter with multiple specificity for metal cations. <i>Molecular Microbiology</i> , 1999, 34, 596-606.	2.5	100
854	Synthesis and binding properties of photoactivable biotin-conjugated verapamil derivatives for the study of P-170 glycoprotein. <i>Bioorganic and Medicinal Chemistry</i> , 1999, 7, 1873-1880.	3.0	6
855	Synthesis and biological activity of 4-alkoxy chalcones: potential hydrophobic modulators of p-glycoprotein-mediated multidrug resistance. <i>Bioorganic and Medicinal Chemistry</i> , 1999, 7, 2691-2695.	3.0	70
856	Mutations in ABC1 in Tangier disease and familial high-density lipoprotein deficiency. <i>Nature Genetics</i> , 1999, 22, 336-345.	21.4	1,609
857	The gene encoding ATP-binding cassette transporter 1 is mutated in Tangier disease. <i>Nature Genetics</i> , 1999, 22, 347-351.	21.4	1,468
858	Subunit interactions in ABC transporters: towards a functional architecture. <i>FEMS Microbiology Letters</i> , 1999, 179, 187-202.	1.8	210
859	The tetAB genes of the <i>Corynebacterium striatum</i> R-plasmid pTP10 encode an ABC transporter and confer tetracycline, oxytetracycline and oxacillin resistance in <i>Corynebacterium glutamicum</i> . <i>FEMS Microbiology Letters</i> , 1999, 173, 203-209.	1.8	26
860	Polymorphisms of the human homologue of the <i>Drosophila</i> white gene are associated with mood and panic disorders. <i>Molecular Psychiatry</i> , 1999, 4, 155-162.	7.9	49
861	The expression of P-glycoprotein is causally related to a less aggressive phenotype in human osteosarcoma cells. <i>Oncogene</i> , 1999, 18, 739-746.	5.9	35
862	MOAT-E (ARA) is a full-length MRP/cMOAT subfamily transporter expressed in kidney and liver. <i>British Journal of Cancer</i> , 1999, 80, 1342-1349.	6.4	397
863	Potent interaction of flavopiridol with MRP1. <i>British Journal of Cancer</i> , 1999, 81, 269-276.	6.4	67
864	ATP- and glutathione-dependent transport of chemotherapeutic drugs by the multidrug resistance protein MRP1. <i>British Journal of Pharmacology</i> , 1999, 126, 681-688.	5.4	224
865	Cloning and Partial Characterization of the Proteasome S4 ATPase from <i>Plasmodium falciparum</i> . <i>Experimental Parasitology</i> , 1999, 93, 123-131.	1.2	8
866	ATP-sensitive K ⁺ channels and insulin secretion: their role in health and disease. <i>Diabetologia</i> , 1999, 42, 903-919.	6.3	386
867	Mutational Analysis of CvaA in the Highly Conserved Domain of the Membrane Fusion Protein Family. <i>Current Microbiology</i> , 1999, 39, 195-199.	2.2	13
868	Very long-chain fatty acids in Rett syndrome. <i>European Journal of Pediatrics</i> , 1999, 158, 226-229.	2.7	12
869	Compartmentalization and transport in beta-lactam antibiotic biosynthesis by filamentous fungi. <i>Antonie Van Leeuwenhoek</i> , 1999, 75, 41-78.	1.7	58

#	ARTICLE	IF	CITATIONS
870	Enhanced antinociception of the model opioid peptide [D-penicillamine] enkephalin by P-glycoprotein modulation. <i>Pharmaceutical Research</i> , 1999, 16, 296-301.	3.5	38
871	Role of an ABC Importer in Mycobacterial Drug Resistance. <i>Bioscience Reports</i> , 1999, 19, 293-300.	2.4	15
872	X-linked adrenoleukodystrophy: genes, mutations, and phenotypes. <i>Neurochemical Research</i> , 1999, 24, 521-535.	3.3	162
873	Mechanisms of altered sequestration and efflux of chemotherapeutic drugs by multidrug-resistant cells. <i>Cell Biology and Toxicology</i> , 1999, 15, 91-100.	5.3	50
874	Molecular interactions in ribose transport: the binding protein module symmetrically associates with the homodimeric membrane transporter. <i>EMBO Journal</i> , 1999, 18, 4149-4156.	7.8	24
875	BIOCHEMICAL, CELLULAR, AND PHARMACOLOGICAL ASPECTS OF THE MULTIDRUG TRANSPORTER. <i>Annual Review of Pharmacology and Toxicology</i> , 1999, 39, 361-398.	9.4	1,940
876	Biosynthesis and Degradation of Fatty Acids. , 1999, , 23-59.		3
877	Identification and genetic mapping of <i>Xenopus</i> TAP2 genes. <i>Immunogenetics</i> , 1999, 49, 171-182.	2.4	27
878	Visualization of multidrug resistance in vivo. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1999, 26, 283-293.	6.4	140
879	Mated: a putative peptide transporter of <i>Schizophyllum commune</i> expressed in dikaryons. <i>Current Genetics</i> , 1999, 36, 159-164.	1.7	25
880	Oxidative stress in microorganismsâ€™. <i>Folia Microbiologica</i> , 1999, 44, 587-624.	2.3	124
881	Taurine modulates expression of transporters in rat brain and heart. <i>Amino Acids</i> , 1999, 17, 301-313.	2.7	11
882	P-glycoprotein inhibition by glibenclamide and related compounds. <i>Pflugers Archiv European Journal of Physiology</i> , 1999, 437, 652-660.	2.8	118
883	Antibody analysis of the localisation, expression and stability of HlyD, the MFP component of the <i>E. coli</i> haemolysin translocator. <i>Molecular Genetics and Genomics</i> , 1999, 261, 122-132.	2.4	39
884	A mutation in a mitochondrial ABC transporter results in mitochondrial dysfunction through oxidative damage of mitochondrial DNA. <i>Molecular Genetics and Genomics</i> , 1999, 262, 426-436.	2.4	29
885	Marine molluscs and fish as biomarkers of pollution stress in littoral regions of the Red Sea, Mediterranean Sea and North Sea. <i>Helgoland Marine Research</i> , 1999, 53, 219-243.	1.3	68
886	Identification and stage-specific expression of two putative P-glycoprotein coding genes in <i>Onchocerca volvulus</i> . <i>Molecular and Biochemical Parasitology</i> , 1999, 102, 273-281.	1.1	53
887	Characterization of a new ATP-binding cassette transporter in <i>Trypanosoma cruzi</i> associated to a L1Tc retrotransposon. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1999, 1489, 428-432.	2.4	21

#	ARTICLE	IF	CITATIONS
888	Role of pharmacokinetics in the discovery and development of indinavir. <i>Advanced Drug Delivery Reviews</i> , 1999, 39, 33-49.	13.7	53
889	Structure-activity relationship studies of propafenone analogs based on P-glycoprotein ATPase activity measurements. <i>Biochemical Pharmacology</i> , 1999, 58, 1447-1456.	4.4	81
890	Nucleotide binding by TAP mediates association with peptide and release of assembled MHC class I molecules. <i>Current Biology</i> , 1999, 9, 999-S1.	3.9	73
891	Antigen presentation: TAP dances with ATP. <i>Current Biology</i> , 1999, 9, R820-R824.	3.9	13
892	A child with reading impairment and a family history of adrenoleukodystrophy. <i>Seminars in Pediatric Neurology</i> , 1999, 6, 233-237.	2.0	3
893	Cloning and characterization of <i>Pseudomonas putida</i> genes encoding the phosphate-specific transport system. <i>Journal of Bioscience and Bioengineering</i> , 1999, 87, 273-279.	2.2	22
894	Protein interactions of Gts1p of <i>Saccharomyces cerevisiae</i> throughout a region similar to a cytoplasmic portion of some ATP-binding cassette transporters. <i>FEBS Journal</i> , 1999, 259, 112-119.	0.2	11
895	Lysosomotropic agents increase vinblastine efflux from mouse MDR proximal kidney cells exhibiting vectorial drug transport. , 1999, 178, 247-257.		13
896	Asymmetric distribution of phosphatidylethanolamine in <i>C. albicans</i> : possible mediation by CDR1, a multidrug transporter belonging to ATP binding cassette (ABC) superfamily. <i>Yeast</i> , 1999, 15, 111-121.	1.7	66
897	Mutations in the <i>Saccharomyces cerevisiae</i> gene SAC1 cause multiple drug sensitivity. <i>Yeast</i> , 1999, 15, 1111-1124.	1.7	24
898	Kinetics and Consequences of Binding of Nona- and Dodecapeptides to the Oligopeptide Binding Protein (OppA) of <i>Lactococcus lactis</i> . <i>Biochemistry</i> , 1999, 38, 14440-14450.	2.5	55
899	How Do Algae Concentrate CO ₂ to Increase the Efficiency of Photosynthetic Carbon Fixation?1. <i>Plant Physiology</i> , 1999, 119, 9-16.	4.8	191
900	Active transport of siderophore-mimicking antibacterials across the outer membrane. <i>Drug Resistance Updates</i> , 1999, 2, 363-369.	14.4	48
901	Genomic Structure of the Canalicular Multispecific Organic Anion-Transporter Gene (MRP2/cMOAT) and Mutations in the ATP-Binding-Cassette Region in Dubin-Johnson Syndrome. <i>American Journal of Human Genetics</i> , 1999, 64, 739-746.	6.2	226
902	The interaction between RTX toxins and target cells. <i>Trends in Microbiology</i> , 1999, 7, 356-361.	7.7	233
903	Genome archeology leading to the characterization and classification of transport proteins. <i>Current Opinion in Microbiology</i> , 1999, 2, 555-561.	5.1	56
904	Expression of multidrug resistance-associated protein in endometrial carcinomas: Correlation with clinicopathology and prognosis. <i>Annals of Diagnostic Pathology</i> , 1999, 3, 81-87.	1.3	13
905	Correlation between the kinetics of anthracycline uptake and the resistance factor in cancer cells expressing the multidrug resistance protein or the P-glycoprotein. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1999, 1450, 374-384.	4.1	42

#	ARTICLE	IF	CITATIONS
906	GLUT2 and glucokinase expression is coordinately regulated by sulfonylurea. <i>Molecular and Cellular Endocrinology</i> , 1999, 153, 155-161.	3.2	9
907	Differences in P-glycoprotein-170 expression and activity between Crohn's disease and ulcerative colitis. <i>Human Immunology</i> , 1999, 60, 677-687.	2.4	41
908	ATP-SENSITIVE POTASSIUM CHANNELS: A Model of Heteromultimeric Potassium Channel/Receptor Assemblies. <i>Annual Review of Physiology</i> , 1999, 61, 337-362.	13.1	458
909	The venus flytrap of periplasmic binding proteins: An ancient protein module present in multiple drug receptors. <i>AAPS PharmSci</i> , 1999, 1, 7-26.	1.3	217
910	On the binding of ATP to the autophosphorylating protein, Ptk, of the bacterium <i>Acinetobacter johnsonii</i> . <i>FEBS Letters</i> , 1999, 445, 137-143.	2.8	41
911	Retroviral-mediated adrenoleukodystrophy-related gene transfer corrects very long chain fatty acid metabolism in adrenoleukodystrophy fibroblasts: implications for therapy. <i>FEBS Letters</i> , 1999, 448, 261-264.	2.8	46
912	NEM modification prevents high-affinity ATP binding to the first nucleotide binding fold of the sulphonylurea receptor, SUR1. <i>FEBS Letters</i> , 1999, 458, 292-294.	2.8	10
913	Function of the second nucleotide-binding fold in the CFTR chloride channel. <i>FEBS Letters</i> , 1999, 459, 177-185.	2.8	9
914	The transporter associated with antigen processing TAP: structure and function. <i>FEBS Letters</i> , 1999, 464, 108-112.	2.8	51
915	Molecular Mechanisms of Bacterial Virulence Elucidated Using a <i>Pseudomonas aeruginosa</i> "Caenorhabditis elegans Pathogenesis Model. <i>Cell</i> , 1999, 96, 47-56.	28.9	721
916	Mutations in the white gene of <i>Drosophila melanogaster</i> affecting ABC transporters that determine eye colouration. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999, 1419, 173-185.	2.6	169
917	ATPase activity of purified and reconstituted multidrug resistance protein MRP1 from drug-selected H69AR cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999, 1461, 69-82.	2.6	89
918	ABC transporters: bacterial exporters-revisited five years on. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999, 1461, 177-200.	2.6	140
919	Inventory and function of yeast ABC proteins: about sex, stress, pleiotropic drug and heavy metal resistance. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999, 1461, 217-236.	2.6	246
920	Insights into the structure and substrate interactions of the P-glycoprotein multidrug transporter from spectroscopic studies. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999, 1461, 327-345.	2.6	85
921	Structural, mechanistic and clinical aspects of MRP1. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999, 1461, 359-376.	2.6	350
922	Function of the transport complex TAP in cellular immune recognition. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999, 1461, 405-419.	2.6	107
923	Emerging roles of purinergic signaling in gastrointestinal epithelial secretion and hepatobiliary function. <i>Gastroenterology</i> , 1999, 116, 964-979.	1.3	123

#	ARTICLE	IF	CITATIONS
924	The multi-xenobiotic resistance phenotype as a tool to biomonitor the environment. <i>Biomarkers</i> , 1999, 4, 442-454.	1.9	32
925	Nitrate and Ammonium Nutrition of Plants: Physiological and Molecular Perspectives. <i>Advances in Botanical Research</i> , 1999, 30, 1-90.	1.1	270
926	Mechanisms for xenobiotic transport in biological membranes. <i>Toxicology Letters</i> , 1999, 106, 107-118.	0.8	15
927	Cysteine-scanning mutagenesis provides no evidence for the extracellular accessibility of the nucleotide-binding domains of the multidrug resistance transporter P-glycoprotein. <i>EMBO Journal</i> , 1999, 18, 6800-6808.	7.8	31
928	The high-resolution crystal structure of the molybdate-dependent transcriptional regulator (ModE) from <i>Escherichia coli</i> : a novel combination of domain folds. <i>EMBO Journal</i> , 1999, 18, 1435-1446.	7.8	74
929	The Hdj-2/Hsc70 chaperone pair facilitates early steps in CFTR biogenesis. <i>EMBO Journal</i> , 1999, 18, 1492-1505.	7.8	298
930	The structure and function of the ATP-sensitive K ⁺ channel in insulin-secreting pancreatic beta-cells. <i>Journal of Molecular Endocrinology</i> , 1999, 22, 113-123.	2.5	130
931	Topogenesis of Cystic Fibrosis Transmembrane Conductance Regulator (CFTR): Regulation by the Amino Terminal Transmembrane Sequences. <i>Biochemistry</i> , 1999, 38, 5471-5477.	2.5	25
933	The Glycosylation and Orientation in the Membrane of the Third Cytoplasmic Loop of Human P-Glycoprotein Is Affected by Mutations and Substrates. <i>Biochemistry</i> , 1999, 38, 5124-5129.	2.5	18
934	Cystic Fibrosis Transmembrane Conductance Regulator: Solution Structures of Peptides Based on the Phe508 Region, the Most Common Site of Disease-Causing F508 Mutation. <i>Biochemistry</i> , 1999, 38, 7453-7461.	2.5	23
935	Structure of d -allose binding protein from <i>Escherichia coli</i> bound to d -allose at 1.8 Å... resolution 1 Edited by A. R. Fersht. <i>Journal of Molecular Biology</i> , 1999, 286, 1519-1531.	4.2	56
936	Inventory, assembly and analysis of <i>Bacillus subtilis</i> ABC transport systems. <i>Journal of Molecular Biology</i> , 1999, 287, 467-484.	4.2	173
937	Molecular characterization of a protease secreted by <i>Erwinia amylovora</i> 1 Edited by M. Yaniv. <i>Journal of Molecular Biology</i> , 1999, 289, 1239-1251.	4.2	64
938	Crystallographic and Calorimetric Analysis of Peptide Binding to OppA Protein. <i>Journal of Molecular Biology</i> , 1999, 291, 393-415.	4.2	148
939	ABC-ATPases, adaptable energy generators fuelling transmembrane movement of a variety of molecules in organisms from bacteria to humans. <i>Journal of Molecular Biology</i> , 1999, 293, 381-399.	4.2	548
940	Kinetic analysis of peptide binding to the TAP transport complex: evidence for structural rearrangements induced by substrate binding. <i>Journal of Molecular Biology</i> , 1999, 294, 1203-1213.	4.2	63
941	Structural and Functional Analysis of the <i>LaMDR1</i> Multidrug Resistance Gene in <i>Leishmania amazonensis</i> . <i>Biochemical and Biophysical Research Communications</i> , 1999, 255, 289-294.	2.1	35
942	Molecular Cloning of the Human ATP-Binding Cassette Transporter 1 (hABC1): Evidence for Sterol-Dependent Regulation in Macrophages. <i>Biochemical and Biophysical Research Communications</i> , 1999, 257, 29-33.	2.1	473

#	ARTICLE	IF	CITATIONS
943	Effects of Fatty Acid Glycerol Esters on Intestinal Absorptive and Secretory Transport of Ceftibuten.. Biological and Pharmaceutical Bulletin, 1999, 22, 402-406.	1.4	1
944	ABC Transporters and their Impact on Pathogenesis and Drug Sensitivity. , 1999, , 221-235.		3
945	Nucleotide Occlusion in the Human Cystic Fibrosis Transmembrane Conductance Regulator. Journal of Biological Chemistry, 1999, 274, 12209-12212.	3.4	88
946	Chapter 20 Structure and Function of ATP-Sensitive Potassium Channels. Current Topics in Membranes, 1999, , 373-385.	0.9	7
947	Chapter 12 Active Transport and Pumps. Current Topics in Membranes, 1999, 48, 397-417.	0.9	3
948	Therapeutic Strategies Involving the Multidrug Resistance Phenotype: The MDRI Gene as Target, Chemoprotectant, and Selectable Marker in Gene Therapy. Advances in Pharmacology, 1999, 46, 1-42.	2.0	21
949	The Neuropsychiatry of Adult-Onset Adrenoleukodystrophy. Journal of Neuropsychiatry and Clinical Neurosciences, 1999, 11, 315-327.	1.8	57
950	P-glycoprotein-mediated resistance to chemotherapy in cancer cells: using recombinant cytosolic domains to establish structure-function relationships. Brazilian Journal of Medical and Biological Research, 1999, 32, 925-939.	1.5	52
951	The Control of the Production and Secretion of Extracellular Ice-nucleating Material of Erwinia uredoovora KUIN-3.. Biocontrol Science, 1999, 4, 9-16.	0.8	8
952	Maintenance and Integrity of the Mitochondrial Genome: a Plethora of Nuclear Genes in the Budding Yeast. Microbiology and Molecular Biology Reviews, 2000, 64, 281-315.	6.6	256
953	Reconstitution of Pseudomonas aeruginosa High-Affinity Branched-Chain Amino Acid Transport System. Methods in Enzymology, 2000, 324, 122-129.	1.0	0
954	Chapter 6 The cystic fibrosis transmembrane conductance regulator in the gastrointestinal system. Current Topics in Membranes, 2000, 50, 187-248.	0.9	0
955	The C-Terminal Nucleotide Binding Domain of the Human Retinal ABCR Protein Is an Adenosine Triphosphatase. Biochemistry, 2000, 39, 15879-15886.	2.5	26
956	ABC Taansporter Genes, kasKLM, Responsible for Self-resistance of a Kasugamycin Producer Strain.. Journal of Antibiotics, 2000, 53, 373-384.	2.0	26
957	Determinant of the extracellular location of the N-terminus of human multidrug-resistance-associated protein. Biochemical Journal, 2000, 348, 597-606.	3.7	11
958	Cloning, characterization and tissue distribution of the rat ATP-binding cassette (ABC) transporter ABC2/ABCA2. Biochemical Journal, 2000, 350, 865-872.	3.7	45
959	Secretion of Nucleoside Diphosphate Kinase by Mucoid Pseudomonas aeruginosa 8821: Involvement of a Carboxy-Terminal Motif in Secretion. Journal of Bacteriology, 2000, 182, 3826-3831.	2.2	22
960	New ABC transporters in multi-drug resistance. Expert Opinion on Therapeutic Targets, 2000, 4, 561-580.	1.0	6

#	ARTICLE	IF	CITATIONS
961	Hormonal control of a gene encoding a putative PDR5-like ABC transporter in periwinkle. <i>Acta Botanica Gallica</i> , 2000, 147, 215-224.	0.9	2
962	Facilitated Uptake of Fentanyl, but Not Alfentanil, by Human Pulmonary Endothelial Cells. <i>Anesthesiology</i> , 2000, 93, 825-831.	2.5	20
963	Lung resistance-related protein/major vault protein and vaults in multidrug-resistant cancer. <i>Current Opinion in Oncology</i> , 2000, 12, 550-556.	2.4	144
964	Genetics and molecular biology. <i>Current Opinion in Lipidology</i> , 2000, 11, 325-327.	2.7	0
965	The products of YCF1 and YLL015w (BPT1) cooperate for the ATP-dependent vacuolar transport of unconjugated bilirubin in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2000, 16, 561-571.	1.7	68
966	Cell-cycle-dependent turnover of P-glycoprotein in multidrug-resistant cells. <i>Journal of Cellular Physiology</i> , 2000, 184, 17-26.	4.1	34
967	Genetics of α -amanitin resistance in a natural population of <i>Drosophila melanogaster</i> . <i>Heredity</i> , 2000, 85, 184-190.	2.6	29
968	<i>Corynebacterium diphtheriae</i> genes required for acquisition of iron from haemin and haemoglobin are homologous to ABC haemin transporters. <i>Molecular Microbiology</i> , 2000, 36, 68-84.	2.5	108
969	The <i>Arabidopsis thaliana</i> ATP-binding cassette proteins: an emerging superfamily. <i>Plant, Cell and Environment</i> , 2000, 23, 431-443.	5.7	66
970	Analysis of the tangled relationships between P-glycoprotein-mediated multidrug resistance and the lipid phase of the cell membrane. <i>FEBS Journal</i> , 2000, 267, 277-294.	0.2	169
971	Symmetry and structure in P-glycoprotein and ABC transporters. <i>FEBS Journal</i> , 2000, 267, 5298-5305.	0.2	26
972	The flavanolignan silybin and its hemisynthetic derivatives, a novel series of potential modulators of p-glycoprotein. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 157-160.	2.2	88
973	Development of an immobilized P-glycoprotein stationary phase for on-line liquid chromatographic determination of drug-binding affinities. <i>Biomedical Applications</i> , 2000, 739, 33-37.	1.7	39
974	Mutations in a gene encoding an ABC transporter cause pseudoxanthoma elasticum. <i>Nature Genetics</i> , 2000, 25, 223-227.	21.4	512
975	Surface expression of phosphatidylserine on macrophages is required for phagocytosis of apoptotic thymocytes. <i>Cell Death and Differentiation</i> , 2000, 7, 645-653.	11.2	151
976	The major substrates for TAP in vivo are derived from newly synthesized proteins. <i>Nature</i> , 2000, 404, 774-778.	27.8	370
977	A new ABC transporter mediating the detachment of lipid-modified proteins from membranes. <i>Nature Cell Biology</i> , 2000, 2, 212-218.	10.3	222
978	Regulation of volume-activated chloride channels by P-glycoprotein: phosphorylation has the final say!. <i>Journal of Physiology</i> , 2000, 524, 629-636.	2.9	71

#	ARTICLE	IF	CITATIONS
979	Swelling-activated, cystic fibrosis transmembrane conductance regulator-augmented ATP release and Cl ⁻ conductances in murine C127 cells. <i>Journal of Physiology</i> , 2000, 523, 1-11.	2.9	83
980	MsiK-dependent trehalose uptake in <i>Streptomyces reticuli</i> . <i>FEMS Microbiology Letters</i> , 2000, 184, 187-192.	1.8	21
981	Riding the sulfur cycle - metabolism of sulfonates and sulfate esters in Gram-negative bacteria. <i>FEMS Microbiology Reviews</i> , 2000, 24, 135-175.	8.6	176
982	Immunoblot assays using recombinant antigens for the detection of <i>Mycoplasma hyopneumoniae</i> antibodies. <i>Veterinary Microbiology</i> , 2000, 75, 99-106.	1.9	3
983	Functional expression of P-glycoprotein in primary cultures of human cytotrophoblasts and BeWo cells. <i>Reproductive Toxicology</i> , 2000, 14, 217-224.	2.9	70
984	Penetration of Amitriptyline, but Not of Fluoxetine, into Brain is Enhanced in Mice with Blood-Brain Barrier Deficiency Due to Mdr1a P-Glycoprotein Gene Disruption. <i>Neuropsychopharmacology</i> , 2000, 22, 380-387.	5.4	207
985	Specificity of doxorubicin versus rhodamine-123 in assessing P-glycoprotein functionality in the LLC-PK1, LLC-PK1:MDR1 and Caco-2 cell lines. <i>European Journal of Pharmaceutical Sciences</i> , 2000, 11, 207-214.	4.0	108
986	Modulation of oral bioavailability of anticancer drugs: from mouse to man. <i>European Journal of Pharmaceutical Sciences</i> , 2000, 12, 103-110.	4.0	125
987	Head-head/tail-tail relative orientation of the pore-forming domains of the heterodimeric ABC transporter TAP. <i>Current Biology</i> , 2000, 10, 1-7.	3.9	44
988	Diversity of transport mechanisms: common structural principles. <i>Trends in Biochemical Sciences</i> , 2000, 25, 397-401.	7.5	61
989	Cloning and expression of the genes involved in the production of and immunity against the bacteriocin lactacin RM. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2000, 1490, 279-290.	2.4	14
990	Genomic organization and characterization of the promoter of the human ATP-binding cassette transporter-G1 (ABCG1) gene. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2000, 1494, 175-180.	2.4	42
991	Reversal of MRP-mediated doxorubicin resistance with quinoline-based drugs. <i>Biochemical Pharmacology</i> , 2000, 59, 1245-1252.	4.4	77
992	Antibiotic efflux pumps. <i>Biochemical Pharmacology</i> , 2000, 60, 457-470.	4.4	327
993	Multidrug resistance protein functionality: no effect of intracellular or extracellular pH changes. <i>Biochemical Pharmacology</i> , 2000, 60, 1485-1489.	4.4	4
994	Sub-cellular localisation of the white/scarlet ABC transporter to pigment granule membranes within the compound eye of <i>Drosophila melanogaster</i> . <i>Genetica</i> , 2000, 108, 239-252.	1.1	107
995	Antifungal Drug Resistance in <i>Aspergillus</i> . <i>Journal of Infection</i> , 2000, 41, 203-220.	3.3	147
996	ABC-me: a novel mitochondrial transporter induced by GATA-1 during erythroid differentiation. <i>EMBO Journal</i> , 2000, 19, 2492-2502.	7.8	138

#	ARTICLE	IF	CITATIONS
997	The homodimeric ATP-binding cassette transporter LmrA mediates multidrug transport by an alternating two-site (two-cylinder engine) mechanism. <i>EMBO Journal</i> , 2000, 19, 2503-2514.	7.8	248
998	Association of GCN1-GCN20 regulatory complex with the N-terminus of eIF2alpha kinase GCN2 is required for GCN2 activation. <i>EMBO Journal</i> , 2000, 19, 1887-1899.	7.8	122
999	The 70-kDa Peroxisomal Membrane Protein (PMP70), an ATP-Binding Cassette Transporter. <i>Cell Biochemistry and Biophysics</i> , 2000, 32, 131-138.	1.8	41
1000	Very-Long-Chain Fatty Acid Metabolism in Adrenoleukodystrophy Protein-Deficient Mice. <i>Cell Biochemistry and Biophysics</i> , 2000, 32, 239-246.	1.8	12
1001	Peroxisomes, Lipid Metabolism, and Human Disease. <i>Cell Biochemistry and Biophysics</i> , 2000, 32, 89-106.	1.8	35
1002	Molecular analysis of the ggtBCD gene cluster of <i>Synechocystis</i> sp. strain PCC6803 encoding subunits of an ABC transporter for osmoprotective compounds. <i>Archives of Microbiology</i> , 2000, 174, 273-282.	2.2	42
1003	Functional Characterization of Glycosylation-Deficient Human P-Glycoprotein Using A Vaccinia Virus Expression System. <i>Journal of Membrane Biology</i> , 2000, 173, 203-214.	2.1	111
1004	A 500-kb region on chromosome 16p13.1 contains the pseudoxanthoma elasticum locus: high-resolution mapping and genomic structure. <i>Journal of Molecular Medicine</i> , 2000, 78, 36-46.	3.9	63
1005	Mutations of the gene encoding the transmembrane transporter protein ABC-C6 cause pseudoxanthoma elasticum. <i>Journal of Molecular Medicine</i> , 2000, 78, 282-286.	3.9	118
1006	Selective modulation of P-glycoprotein's ATPase and anion efflux regulation activities with PKC $\hat{\pm}$ and PKC $\hat{\mu}$ in Sf9 cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2000, 46, 287-292.	2.3	15
1007	New paradigms of CFTR chloride channel regulation. <i>Cellular and Molecular Life Sciences</i> , 2000, 57, 623-634.	5.4	24
1008	Involvement of a natural transport system in the process of efflux-mediated drug resistance in <i>Mycobacterium smegmatis</i> . <i>Molecular Genetics and Genomics</i> , 2000, 262, 949-956.	2.4	44
1009	Genetic organisation of the M protein region in human isolates of group C and G streptococci: two types of multigene regulator-like (mgrC) regions. <i>Molecular Genetics and Genomics</i> , 2000, 262, 965-976.	2.4	33
1010	The role of ABC transporters from <i>Aspergillus nidulans</i> in protection against cytotoxic agents and in antibiotic production. <i>Molecular Genetics and Genomics</i> , 2000, 263, 966-977.	2.4	115
1011	ATP-induced sucrose efflux from red-beet tonoplast vesicles. <i>Planta</i> , 2000, 211, 77-84.	3.2	15
1012	HMBA induces activation of a caspase-independent cell death pathway to overcome P-glycoprotein-mediated multidrug resistance. <i>Blood</i> , 2000, 95, 2378-2385.	1.4	76
1013	Human ABC7 transporter: gene structure and mutation causing X-linked sideroblastic anemia with ataxia with disruption of cytosolic iron-sulfur protein maturation. <i>Blood</i> , 2000, 96, 3256-3264.	1.4	247
1014	Adaptations of the archaeal cell membrane to heat stress. <i>Frontiers in Bioscience - Landmark</i> , 2000, 5, 813.	3.0	73

#	ARTICLE	IF	CITATIONS
1015	Molecular genetics of peroxisomal disorders. <i>Frontiers in Bioscience - Landmark</i> , 2000, 5, d298-306.	3.0	15
1016	Pâ€glycoproteinâ€overexpressing multidrugâ€resistant cells are resistant to infection by enveloped viruses that enter via the plasma membrane 1. <i>FASEB Journal</i> , 2000, 14, 511-515.	0.5	25
1017	cAMP-activated anion conductance is associated with expression of CFTR in neonatal mouse cardiac myocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2000, 278, C436-C450.	4.6	20
1018	Radial transport of abscisic acid conjugates in maize roots: its implication for long distance stress signals. <i>Journal of Experimental Botany</i> , 2000, 51, 929-935.	4.8	48
1019	New Nomenclature of Human ABC Transporter Genes.. <i>Drug Metabolism and Pharmacokinetics</i> , 2000, 15, 8-19.	0.0	4
1020	Control of cellular cholesterol efflux by the nuclear oxysterol receptor LXRA α . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 12097-12102.	7.1	915
1021	Genes Expressed in <i>Pseudomonas putida</i> during Colonization of a Plant-Pathogenic Fungus. <i>Applied and Environmental Microbiology</i> , 2000, 66, 2764-2772.	3.1	66
1022	Pairing of the Nucleotide Binding Domains of the Transporter Associated with Antigen Processing. <i>Journal of Biological Chemistry</i> , 2000, 275, 6831-6840.	3.4	25
1023	Blockage of Drug Resistance In Vitro by Disulfiram, a Drug Used to Treat Alcoholism. <i>Journal of the National Cancer Institute</i> , 2000, 92, 898-902.	6.3	93
1024	Potent Synergism of the Combination of Fluconazole and Cyclosporine in <i>Candida albicans</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 2373-2381.	3.2	227
1025	Fluconazole plus Cyclosporine: a Fungicidal Combination Effective against Experimental Endocarditis Due to <i>Candida albicans</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 2932-2938.	3.2	106
1026	Characterization of a <i>Sinorhizobium meliloti</i> ATP-Binding Cassette Histidine Transporter Also Involved in Betaine and Proline Uptake. <i>Journal of Bacteriology</i> , 2000, 182, 3717-3725.	2.2	37
1027	Different Binding Properties and Affinities for ATP and ADP among Sulfonylurea Receptor Subtypes, SUR1, SUR2A, and SUR2B. <i>Journal of Biological Chemistry</i> , 2000, 275, 28757-28763.	3.4	129
1028	Functional Reconstitution of Substrate Transport by Purified Multidrug Resistance Protein MRP1 (ABCC1) in Phospholipid Vesicles. <i>Journal of Biological Chemistry</i> , 2000, 275, 34166-34172.	3.4	83
1029	The <i>ssu</i> Locus Plays a Key Role in Organosulfur Metabolism in <i>Pseudomonas putida</i> S-313. <i>Journal of Bacteriology</i> , 2000, 182, 2869-2878.	2.2	75
1030	Human White/Murine ABC8 mRNA Levels Are Highly Induced in Lipid-loaded Macrophages. <i>Journal of Biological Chemistry</i> , 2000, 275, 14700-14707.	3.4	350
1031	OppA of <i>Listeria monocytogenes</i> , an Oligopeptide-Binding Protein Required for Bacterial Growth at Low Temperature and Involved in Intracellular Survival. <i>Infection and Immunity</i> , 2000, 68, 7069-7077.	2.2	191
1032	Vinblastine and sulfipyrazone export by the multidrug resistance protein MRP2 is associated with glutathione export. <i>British Journal of Cancer</i> , 2000, 83, 375-383.	6.4	217

#	ARTICLE	IF	CITATIONS
1033	Adenosine Triphosphate-Binding Cassette Proteins and Bioavailability: "We Can Pump You Up (or Out)". Journal of the National Cancer Institute, 2000, 92, 1628-1629.	6.3	1
1034	MglA and mglB of <i>Treponema denticola</i> ; Similarity to ABC Transport and spa Genes. DNA Sequence, 2000, 11, 419-431.	0.7	3
1035	Development of biomarkers to detect the effects of organic pollution on aquatic invertebrates: recent molecular, genotoxic, cellular and immunological studies on the common mussel (<i>Mytilus</i>) Tj ETQqO O O rgBt, Overlock, 10 Tf 50	0.2	1
1036	Genomic, Transcriptional and Phenotypic Analysis of <i>ftsE</i> and <i>ftsX</i> of <i>Neisseria gonorrhoeae</i> . DNA Research, 2000, 7, 75-81.	3.4	10
1037	Significance of P-glycoprotein for the pharmacology and clinical use of HIV protease inhibitors. Aids, 2000, 14, 237-242.	2.2	164
1038	The ABC transporter AtrB from <i>Aspergillus nidulans</i> mediates resistance to all major classes of fungicides and some natural toxic compounds. Microbiology (United Kingdom), 2000, 146, 1987-1997.	1.8	119
1039	Intracellular Trafficking and Regulation of Canalicular ATP-Binding Cassette Transporters. Seminars in Liver Disease, 2000, Volume 20, 339-352.	3.6	82
1040	X-Linked Adrenoleukodystrophy: Overview and Prognosis as a Function of Age and Brain Magnetic Resonance Imaging Abnormality. A Study Involving 372 Patients. Neuropediatrics, 2000, 31, 227-239.	0.6	179
1041	Transport Processes of Solutes across the Vacuolar Membrane of Higher Plants. Plant and Cell Physiology, 2000, 41, 1175-1186.	3.1	183
1042	Predictions of Gene Family Distributions in Microbial Genomes: Evolution by Gene Duplication and Modification. Physical Review Letters, 2000, 85, 2641-2644.	7.8	84
1043	Radial transport of abscisic acid conjugates in maize roots: its implication for long distance stress signals. Journal of Experimental Botany, 2000, 51, 929-935.	4.8	47
1044	A Peptide Permease Mutant of <i>Mycobacterium bovis</i> BCG Resistant to the Toxic Peptides Glutathione and S -Nitrosoglutathione. Infection and Immunity, 2000, 68, 429-436.	2.2	64
1045	Cystic Fibrosis Transmembrane Conductance Regulator. Journal of Biological Chemistry, 2000, 275, 3729-3732.	3.4	114
1046	The Packing of the Transmembrane Segments of Human Multidrug Resistance P-glycoprotein Is Revealed by Disulfide Cross-linking Analysis. Journal of Biological Chemistry, 2000, 275, 5253-5256.	3.4	84
1047	The Detergent-Soluble Maltose Transporter Is Activated by Maltose Binding Protein and Verapamil. Journal of Bacteriology, 2000, 182, 993-1000.	2.2	32
1048	Positive and Negative Control of Multidrug Resistance by the Sit4 Protein Phosphatase in <i>Kluyveromyces lactis</i> . Journal of Biological Chemistry, 2000, 275, 14865-14872.	3.4	13
1049	Regulation of Transporter Associated with Antigen Processing by Phosphorylation. Journal of Biological Chemistry, 2000, 275, 24130-24135.	3.4	20
1050	The E23 early gene of <i>Drosophila</i> encodes an ecdysone-inducible ATP-binding cassette transporter capable of repressing ecdysone-mediated gene activation. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 9519-9524.	7.1	70

#	ARTICLE	IF	CITATIONS
1051	MTABC3, a Novel Mitochondrial ATP-binding Cassette Protein Involved in Iron Homeostasis. Journal of Biological Chemistry, 2000, 275, 17536-17540.	3.4	118
1052	Comparison of the Functional Characteristics of the Nucleotide Binding Domains of Multidrug Resistance Protein 1. Journal of Biological Chemistry, 2000, 275, 13098-13108.	3.4	158
1053	Deletion Analysis of the Escherichia coli Taurine and Alkanesulfonate Transport Systems. Journal of Bacteriology, 2000, 182, 2687-2695.	2.2	98
1054	Heterozygous MDR3 missense mutation associated with intrahepatic cholestasis of pregnancy: evidence for a defect in protein trafficking. Human Molecular Genetics, 2000, 9, 1209-1217.	2.9	265
1055	Osmotic and Chill Activation of Glycine Betaine Porter II in Listeria monocytogenes Membrane Vesicles. Journal of Bacteriology, 2000, 182, 2544-2550.	2.2	51
1056	Identification of Residues within the Drug-binding Domain of the Human Multidrug Resistance P-glycoprotein by Cysteine-scanning Mutagenesis and Reaction with Dibromobimane. Journal of Biological Chemistry, 2000, 275, 39272-39278.	3.4	121
1057	fbpABC Gene Cluster in Neisseria meningitidis Is Transcribed as an Operon. Infection and Immunity, 2000, 68, 7166-7171.	2.2	19
1058	Alternative protein sorting pathways. International Review of Cytology, 2000, 198, 153-201.	6.2	15
1059	Identification and Characterization of an ATP Binding Cassette I-Carnitine Transporter in Listeria monocytogenes. Applied and Environmental Microbiology, 2000, 66, 4696-4704.	3.1	90
1060	[58] ABCR: Rod photoreceptor-specific ABC transporter responsible for Stargardt disease. Methods in Enzymology, 2000, 315, 879-897.	1.0	24
1061	ATPase activity of the sulfonylurea receptor: a catalytic function for the KATPchannel complex. FASEB Journal, 2000, 14, 1943-1952.	0.5	131
1062	Tandem Clusters of Membrane Proteins in Complete Genome Sequences. Genome Research, 2000, 10, 731-743.	5.5	42
1063	Conserved Walker A Ser Residues in the Catalytic Sites of P-glycoprotein Are Critical for Catalysis and Involved Primarily at the Transition State Step. Journal of Biological Chemistry, 2000, 275, 25031-25038.	3.4	50
1064	Specificity Mutants of the Binding Protein of the Oligopeptide Transport System of Lactococcus lactis. Journal of Bacteriology, 2000, 182, 1600-1608.	2.2	38
1065	ATP Modulates Subunit-Subunit Interactions in an ATP-binding Cassette Transporter (MalFGK2) Determined by Site-directed Chemical Cross-linking. Journal of Biological Chemistry, 2000, 275, 15526-15534.	3.4	75
1066	Interactions of the Sulfonylurea Receptor 1 Subunit in the Molecular Assembly of β^2 -Cell KATP Channels. Journal of Biological Chemistry, 2000, 275, 3360-3364.	3.4	30
1067	Drug-stimulated ATPase Activity of Human P-glycoprotein Is Blocked by Disulfide Cross-linking between the Nucleotide-binding Sites. Journal of Biological Chemistry, 2000, 275, 19435-19438.	3.4	53
1068	Characterization of ABCB9, an ATP Binding Cassette Protein Associated with Lysosomes. Journal of Biological Chemistry, 2000, 275, 23287-23294.	3.4	91

#	ARTICLE	IF	CITATIONS
1069	Newly Synthesized Canalicular ABC Transporters Are Directly Targeted from the Golgi to the Hepatocyte Apical Domain in Rat Liver. <i>Journal of Biological Chemistry</i> , 2000, 275, 15917-15925.	3.4	124
1070	Severed Channels Probe Regulation of Gating of Cystic Fibrosis Transmembrane Conductance Regulator by Its Cytoplasmic Domains. <i>Journal of General Physiology</i> , 2000, 116, 477-500.	1.9	117
1071	Membrane Topology of the NixA Nickel Transporter of <i>Helicobacter pylori</i> : Two Nickel Transport-Specific Motifs within Transmembrane Helices II and III. <i>Journal of Bacteriology</i> , 2000, 182, 1722-1730.	2.2	56
1072	Use of Chemical Chaperones in the Yeast <i>Saccharomyces cerevisiae</i> to Enhance Heterologous Membrane Protein Expression: High-Yield Expression and Purification of Human P-Glycoprotein. <i>Archives of Biochemistry and Biophysics</i> , 2000, 376, 34-46.	3.0	95
1073	Growth Suppression of <i>Escherichia coli</i> by Induction of Expression of Mammalian Genes with Transmembrane or ATPase Domains. <i>Biochemical and Biophysical Research Communications</i> , 2000, 268, 553-561.	2.1	14
1074	Functional Comparison between YCF1 and MRP1 Expressed in Sf21 Insect Cells. <i>Biochemical and Biophysical Research Communications</i> , 2000, 270, 608-615.	2.1	20
1075	The Product of the ABC Half-Transporter Gene ABCG2 (BCRP/MXR/ABCP) Is Expressed in the Plasma Membrane. <i>Biochemical and Biophysical Research Communications</i> , 2000, 271, 42-46.	2.1	160
1076	Identification of a Novel Human Sterol-Sensitive ATP-Binding Cassette Transporter (ABCA7). <i>Biochemical and Biophysical Research Communications</i> , 2000, 273, 532-538.	2.1	147
1077	Transition-State Formation in ATPase-Negative Mutants of Human MDR1 Protein. <i>Biochemical and Biophysical Research Communications</i> , 2000, 276, 1314-1319.	2.1	28
1078	Genomic Organization of the Human Cholesterol-Responsive ABC Transporter ABCA7: Tandem Linkage with the Minor Histocompatibility Antigen HA-1 Gene. <i>Biochemical and Biophysical Research Communications</i> , 2000, 278, 782-789.	2.1	34
1079	Fungal Transporters Involved in Efflux of Natural Toxic Compounds and Fungicides. <i>Fungal Genetics and Biology</i> , 2000, 30, 1-15.	2.1	304
1080	Characterization of the ABC Transporter Genes MgAtr1 and MgAtr2 from the Wheat Pathogen <i>Mycosphaerella graminicola</i> . <i>Fungal Genetics and Biology</i> , 2000, 30, 115-125.	2.1	52
1081	Identification of 18 Mouse ABC Genes and Characterization of the ABC Superfamily in <i>Mus musculus</i> . <i>Genomics</i> , 2000, 64, 24-31.	2.9	28
1082	Gene Expression Profile and Identification of Differentially Expressed Transcripts during Human Intrathymic T-Cell Development by cDNA Sequencing Analysis. <i>Genomics</i> , 2000, 70, 1-18.	2.9	8
1083	A Model for Coupling of H ⁺ and Substrate Fluxes Based on "Time-Sharing" of a Common Binding Site. <i>Biochemistry</i> , 2000, 39, 14711-14719.	2.5	85
1084	Functional Loss of ABCA1 in Mice Causes Severe Placental Malformation, Aberrant Lipid Distribution, and Kidney Glomerulonephritis As Well As High-Density Lipoprotein Cholesterol Deficiency. <i>American Journal of Pathology</i> , 2000, 157, 1017-1029.	3.8	226
1085	Interaction Between Permeation and Gating in a Putative Pore Domain Mutant in the Cystic Fibrosis Transmembrane Conductance Regulator. <i>Biophysical Journal</i> , 2000, 79, 298-313.	0.5	41
1086	Altered development of intestinal intraepithelial lymphocytes in P-glycoprotein-deficient mice. <i>Developmental and Comparative Immunology</i> , 2000, 24, 783-795.	2.3	35

#	ARTICLE	IF	CITATIONS
1087	Cloning, sequencing, and characterization of the bifunctional xylosidase- α -arabinosidase from the anaerobic thermophile <i>Thermoanaerobacter ethanolicus</i> . <i>Gene</i> , 2000, 247, 137-143.	2.2	55
1088	Identification and characterization of the <i>gltK</i> gene encoding a membrane-associated glucose transport protein of <i>Pseudomonas aeruginosa</i> . <i>Gene</i> , 2000, 253, 323-330.	2.2	22
1089	Repression of chick multidrug resistance-associated protein 1 (chMRP1) gene expression by estrogen. <i>Gene</i> , 2000, 257, 243-249.	2.2	4
1090	Molecular cloning and characterization of the murine bile salt export pump. <i>Gene</i> , 2000, 241, 117-123.	2.2	129
1091	Detailed structural analysis on both human MRP5 and mouse <i>mrp5</i> transcripts. <i>Gene</i> , 2000, 242, 167-173.	2.2	32
1092	Multixenobiotic resistance as a cellular defense mechanism in aquatic organisms. <i>Aquatic Toxicology</i> , 2000, 48, 357-389.	4.0	365
1093	Seasonal variation of MXR and stress proteins in the common mussel, <i>Mytilus galloprovincialis</i> . <i>Aquatic Toxicology</i> , 2000, 50, 167-176.	4.0	88
1094	The blood-brain barrier and oncology: new insights into function and modulation. <i>Cancer Treatment Reviews</i> , 2000, 26, 449-462.	7.7	178
1095	The (patho)physiological functions of the MRP family. <i>Drug Resistance Updates</i> , 2000, 3, 289-302.	14.4	91
1096	An ABC-type multidrug transporter of <i>Lactococcus lactis</i> possesses an exceptionally broad substrate specificity. <i>Drug Resistance Updates</i> , 2000, 3, 330-334.	14.4	29
1097	Molecular Basis for K ATP Assembly. <i>Neuron</i> , 2000, 26, 155-167.	8.1	151
1098	Is the Ami-AliA/B oligopeptide permease of <i>Streptococcus pneumoniae</i> involved in sensing environmental conditions?. <i>Research in Microbiology</i> , 2000, 151, 457-463.	2.1	52
1099	Genetic organisation of the lipopolysaccharide O-antigen biosynthesis region of <i>Brucella melitensis</i> 16M (wbk). <i>Research in Microbiology</i> , 2000, 151, 655-668.	2.1	104
1100	ABC transporters in lipid transport. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2000, 1486, 128-144.	2.4	267
1101	Release of cellular cholesterol: molecular mechanism for cholesterol homeostasis in cells and in the body. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2000, 1529, 231-244.	2.4	110
1102	Protein secretion mechanisms in Gram-negative bacteria. <i>International Journal of Medical Microbiology</i> , 2000, 290, 325-331.	3.6	59
1103	Effect of the breast-cancer resistance protein on atypical multidrug resistance. <i>Lancet Oncology</i> , The, 2000, 1, 169-175.	10.7	63
1104	Plant ABC transporters. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000, 1465, 79-103.	2.6	222

#	ARTICLE	IF	CITATIONS
1105	ATPase activity and transport by a cGMP transporter in human erythrocyte ghosts and proteoliposome-reconstituted membrane extracts. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000, 1509, 467-474.	2.6	13
1106	P-glycoprotein is localized in caveolae in resistant cells and in brain capillaries. <i>FEBS Letters</i> , 2000, 466, 219-224.	2.8	139
1107	The effect of glutathione on the ATPase activity of MRP1 in its natural membranes. <i>FEBS Letters</i> , 2000, 469, 47-51.	2.8	32
1108	A common binding site for substrates and protons in EmrE, an ion-coupled multidrug transporter. <i>FEBS Letters</i> , 2000, 476, 93-97.	2.8	67
1109	Accumulation of Dietary Cholesterol in Sitosterolemia Caused by Mutations in Adjacent ABC Transporters. <i>Science</i> , 2000, 290, 1771-1775.	12.6	1,412
1110	Signal Transduction by a Death Signal Peptide. <i>Molecular Cell</i> , 2000, 5, 49-57.	9.7	84
1111	High density lipoprotein deficiency and foam cell accumulation in mice with targeted disruption of ATP-binding cassette transporter-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 4245-4250.	7.1	501
1112	High-Affinity Maltose Binding and Transport by the Thermophilic Anaerobe <i>Thermoanaerobacter ethanolicus</i> 39E. <i>Applied and Environmental Microbiology</i> , 2000, 66, 995-1000.	3.1	20
1113	Nonantibiotic antibacterial peptides from lactic acid bacteria (1995 to date). <i>Natural Product Reports</i> , 2000, 17, 323-335.	10.3	96
1114	A Functional-Phylogenetic Classification System for Transmembrane Solute Transporters. <i>Microbiology and Molecular Biology Reviews</i> , 2000, 64, 354-411.	6.6	773
1115	Investigation of the Role of Glutamine-471 and Glutamine-1114 in the Two Catalytic Sites of P-Glycoprotein. <i>Biochemistry</i> , 2000, 39, 11921-11927.	2.5	77
1116	Characterization of Apolipoprotein-Mediated HDL Generation Induced by cAMP in a Murine Macrophage Cell Line. <i>Biochemistry</i> , 2000, 39, 11092-11099.	2.5	108
1117	Molecular Properties of Bacterial Multidrug Transporters. <i>Microbiology and Molecular Biology Reviews</i> , 2000, 64, 672-693.	6.6	670
1118	Activation of the Human P-Glycoprotein ATPase by Trypsin. <i>Biochemistry</i> , 2000, 39, 3424-3432.	2.5	24
1119	[57] Purification and characterization of ABCR from bovine rod outer segments. <i>Methods in Enzymology</i> , 2000, 315, 864-879.	1.0	22
1120	Regulation of Carbon Catabolism in <i>Bacillus</i> Species. <i>Annual Review of Microbiology</i> , 2000, 54, 849-880.	7.3	331
1121	CO ₂ Acquisition, Concentration and Fixation in Cyanobacteria and Algae. <i>Advances in Photosynthesis and Respiration</i> , 2000, , 369-397.	1.0	55
1122	Carbon and nitrogen metabolism in <i>Rhizobium</i> . <i>Advances in Microbial Physiology</i> , 2000, 43, 117-163.	2.4	84

#	ARTICLE	IF	CITATIONS
1123	Chemical Ecology of Foraminifera. Topics in Geobiology, 2000, , 217-254.	0.5	7
1124	P-Glycoprotein-Mediated Colchicine Resistance in Different Cell Lines Correlates with the Effects of Colchicine on P-Glycoprotein Conformation. Biochemistry, 2001, 40, 4323-4331.	2.5	30
1125	Strategies to overcome simultaneous P-glycoprotein mediated efflux and CYP3A4 mediated metabolism of drugs. Pharmacogenomics, 2001, 2, 401-415.	1.3	65
1126	ATP-binding cassette transporter A1 (ABCA1) affects total body sterol metabolism. Gastroenterology, 2001, 120, 1203-1211.	1.3	128
1127	Multidrug transporters in prokaryotic and eukaryotic cells: physiological functions and transport mechanisms. Molecular Membrane Biology, 2001, 18, 97-103.	2.0	47
1128	The Gut as a Barrier to Drug Absorption. Clinical Pharmacokinetics, 2001, 40, 159-168.	3.5	468
1129	Role of the ABC Transporter Mdl1 in Peptide Export from Mitochondria. Science, 2001, 291, 2135-2138.	12.6	200
1130	Common variants in the gene encoding ATP-binding cassette transporter 1 in men with low HDL cholesterol levels and coronary heart disease. Atherosclerosis, 2001, 154, 607-611.	0.8	93
1131	Recent advances in the cell biology of chlorophyll catabolism. Advances in Botanical Research, 2001, 35, 1-52.	1.1	51
1132	The HMMTOP transmembrane topology prediction server. Bioinformatics, 2001, 17, 849-850.	4.1	1,786
1134	Towards the molecular mechanism of prokaryotic and eukaryotic multidrug transporters. Seminars in Cell and Developmental Biology, 2001, 12, 239-245.	5.0	17
1135	RLIP76 Is the Major ATP-Dependent Transporter of Glutathione-Conjugates and Doxorubicin in Human Erythrocytes. Archives of Biochemistry and Biophysics, 2001, 391, 171-179.	3.0	66
1136	Genomic Sequence and Structure of the Human ABCG1 (ABC8) Gene. Biochemical and Biophysical Research Communications, 2001, 280, 121-131.	2.1	65
1137	Complete Coding Sequence, Promoter Region, and Genomic Structure of the Human ABCA2 Gene and Evidence for Sterol-Dependent Regulation in Macrophages. Biochemical and Biophysical Research Communications, 2001, 281, 249-258.	2.1	81
1138	Expression of the ATP-Binding Cassette Transporter Gene ABCG1 (ABC8) in Tangier Disease. Biochemical and Biophysical Research Communications, 2001, 283, 821-830.	2.1	71
1139	ABCA6, a Novel A Subclass ABC Transporter. Biochemical and Biophysical Research Communications, 2001, 285, 1295-1301.	2.1	73
1140	The Human ABCG4 Gene Is Regulated by Oxysterols and Retinoids in Monocyte-Derived Macrophages. Biochemical and Biophysical Research Communications, 2001, 288, 483-488.	2.1	94
1141	Transport of 7-Ethyl-10-hydroxycamptothecin (SN-38) by Breast Cancer Resistance Protein ABCG2 in Human Lung Cancer Cells. Biochemical and Biophysical Research Communications, 2001, 288, 827-832.	2.1	178

#	ARTICLE	IF	CITATIONS
1142	Multiple Splicing Variants of Two New Human ATP-Binding Cassette Transporters, ABCC11 and ABCC12. <i>Biochemical and Biophysical Research Communications</i> , 2001, 288, 933-939.	2.1	99
1143	Erythrocyte Membrane ATP Binding Cassette (ABC) Proteins: MRP1 and CFTR as Well as CD39 (Ecto-apyrase) Involved in RBC ATP Transport and Elevated Blood Plasma ATP of Cystic Fibrosis. <i>Blood Cells, Molecules, and Diseases</i> , 2001, 27, 165-180.	1.4	54
1144	Intragenic Deletions at Atp7a in Mouse Models for Menkes Disease. <i>Genomics</i> , 2001, 74, 155-162.	2.9	26
1145	Structural basis for oligosaccharide recognition by <i>Pyrococcus furiosus</i> maltodextrin-binding protein. <i>Journal of Molecular Biology</i> , 2001, 305, 891-904.	4.2	56
1146	Crystal structures of the maltodextrin/maltose-binding protein complexed with reduced oligosaccharides: flexibility of tertiary structure and ligand binding. <i>Journal of Molecular Biology</i> , 2001, 306, 1115-1126.	4.2	97
1147	ABC transporters in the protozoan parasite <i>Leishmania</i> . <i>International Microbiology</i> , 2001, 4, 159-166.	2.4	39
1148	Expression of cystic fibrosis transmembrane conductance regulator in the skin of the toad, <i>Bufo bufo</i> and possible role for Cl ⁻ transport across the heterocellular epithelium. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2001, 130, 539-550.	1.8	12
1149	The ABC transporter genes of <i>Plasmodium falciparum</i> and drug resistance. <i>Drug Resistance Updates</i> , 2001, 4, 66-74.	14.4	41
1150	The intracellular function of extracellular signaling peptides. <i>Peptides</i> , 2001, 22, 1519-1527.	2.4	115
1151	Staphylococcal resistance to antimicrobial peptides of mammalian and bacterial origin. <i>Peptides</i> , 2001, 22, 1651-1659.	2.4	89
1152	Comparison of the uptake and clearance of Tc-99m MIBI, Tl-201 and Ga-67 in drug-resistant lymphoma cell lines. <i>Cancer Letters</i> , 2001, 171, 147-152.	7.2	4
1153	Anticancer drug resistance in primary human brain tumors. <i>Brain Research Reviews</i> , 2001, 35, 161-204.	9.0	126
1154	Signaling in Channel/Enzyme Multimers. <i>Neuron</i> , 2001, 31, 233-245.	8.1	183
1155	The ABC of ABCs: a phylogenetic and functional classification of ABC systems in living organisms. <i>Research in Microbiology</i> , 2001, 152, 211-229.	2.1	402
1156	A new family of high-affinity ABC manganese and zinc permeases. <i>Research in Microbiology</i> , 2001, 152, 231-243.	2.1	156
1157	Peptides and ATP binding cassette peptide transporters. <i>Research in Microbiology</i> , 2001, 152, 245-258.	2.1	98
1158	Polyamine uptake systems in <i>Escherichia coli</i> . <i>Research in Microbiology</i> , 2001, 152, 271-278.	2.1	84
1159	Molybdate transport. <i>Research in Microbiology</i> , 2001, 152, 311-321.	2.1	129

#	ARTICLE	IF	CITATIONS
1160	Mitochondrial ABC transporters. Research in Microbiology, 2001, 152, 331-340.	2.1	74
1161	ABC transporters and the export of capsular polysaccharides from Gram-negative bacteria. Research in Microbiology, 2001, 152, 357-364.	2.1	51
1162	Multidrug transport by ATP binding cassette transporters: a proposed two-cylinder engine mechanism. Research in Microbiology, 2001, 152, 365-374.	2.1	35
1163	Novel mutations in ABCA1 gene in Japanese patients with Tangier disease and familial high density lipoprotein deficiency with coronary heart disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2001, 1537, 71-78.	3.8	31
1164	Characterization and functional analysis of the nucleotide binding fold in human peroxisomal ATP binding cassette transporters. FEBS Letters, 2001, 492, 66-72.	2.8	34
1165	Nucleotide-induced conformational changes in the human multidrug resistance protein MRP1 are related to the capacity of chemotherapeutic drugs to accumulate or not in resistant cells. FEBS Letters, 2001, 493, 31-35.	2.8	18
1166	Antibodies to the CFTR modulate the turgor pressure of guard cell protoplasts via slow anion channels. FEBS Letters, 2001, 494, 15-18.	2.8	14
1167	ABCA3 is a lamellar body membrane protein in human lung alveolar type II cells ¹ . FEBS Letters, 2001, 508, 221-225.	2.8	238
1168	Conformational limitations of glycylsarcosine as a prototypic substrate for peptide transporters. Biochimica Et Biophysica Acta - Biomembranes, 2001, 1514, 65-75.	2.6	11
1169	The Crystal Structure of the MJ0796 ATP-binding Cassette. Journal of Biological Chemistry, 2001, 276, 32313-32321.	3.4	218
1170	Super-channel in Bacteria: Function and Structure of a Macromolecule Import System Mediated by a Pit-dependent ABC Transporter. Bioscience, Biotechnology and Biochemistry, 2001, 65, 1949-1956.	1.3	12
1171	A knowledge base for integrated biological systems. IEEE Intelligent Systems, 2001, 16, 52-61.	4.0	2
1172	Phase-Variable Expression of an Operon Encoding Extracellular Alkaline Protease, a Serine Protease Homolog, and Lipase in Pseudomonas brassicacearum. Journal of Bacteriology, 2001, 183, 2117-2120.	2.2	56
1173	Coordinate Changes in Drug Resistance and Drug-Induced Conformational Transitions in Altered-Function Mutants of the Multidrug Transporter P-Glycoprotein. Biochemistry, 2001, 40, 4332-4339.	2.5	36
1174	Specific Antimicrobial Synergism of Synthetic Hydroxy Isothiocyanates with Aminoglycoside Antibiotics. Bioscience, Biotechnology and Biochemistry, 2001, 65, 1886-1888.	1.3	14
1175	Functional Reassembly of ATP-Dependent Xenobiotic Transport by the N- and C-Terminal Domains of RLIP76 and Identification of ATP Binding Sequences. Biochemistry, 2001, 40, 4159-4168.	2.5	66
1176	Crystallographic and Biochemical Analyses of the Metal-Free Haemophilus influenzae Fe ³⁺ -Binding Protein. Biochemistry, 2001, 40, 15631-15637.	2.5	67
1177	Structure and Dynamics of the Membrane-Embedded Domain of LmrA Investigated by Coupling Polarized ATR-FTIR Spectroscopy and ¹ H/ ² H Exchange. Biochemistry, 2001, 40, 11876-11886.	2.5	38

#	ARTICLE	IF	CITATIONS
1178	Toward Understanding Anophelinae (Diptera, Culicidae) Phylogeny: Insights from Nuclear Single-Copy Genes and the Weight of Evidence. <i>Systematic Biology</i> , 2001, 50, 540-556.	5.6	43
1179	Pneumococcal Virulence Factors: Structure and Function. <i>Microbiology and Molecular Biology Reviews</i> , 2001, 65, 187-207.	6.6	395
1181	ATP-Binding Cassette Transporter ABC2/ABCA2 in the Rat Brain: A Novel Mammalian Lysosome-Associated Membrane Protein and a Specific Marker for Oligodendrocytes But Not for Myelin Sheaths. <i>Journal of Neuroscience</i> , 2001, 21, 849-857.	3.6	75
1182	The Transporter Associated With Antigen Processing (TAP): Structural Integrity, Expression, Function, and Its Clinical Relevance. <i>Molecular Medicine</i> , 2001, 7, 149-158.	4.4	69
1183	Sequential gene expression of P-glycoprotein (P-gp), multidrug resistance-associated protein (MRP) and lung resistance protein: functional activity of P-gp and MRP present in the doxorubicin-resistant human K562 cell lines. <i>Anti-Cancer Drugs</i> , 2001, 12, 247-258.	1.4	25
1184	Assessment of active transport of HIV protease inhibitors in various cell lines and the in vitro blood-brain barrier. <i>Aids</i> , 2001, 15, 483-491.	2.2	106
1185	Multidrug-resistance P-glycoprotein (MDR1) secretes platelet-activating factor. <i>Biochemical Journal</i> , 2001, 357, 859.	3.7	51
1186	Multidrug resistance in tumour cells: characterisation of the multidrug resistant cell line K562-Lucena 1. <i>Anais Da Academia Brasileira De Ciencias</i> , 2001, 73, 57-69.	0.8	99
1187	Ontogeny of P-Glycoprotein in Mouse Intestine, Liver, and Kidney. <i>Journal of Investigative Medicine</i> , 2001, 49, 250-257.	1.6	33
1189	Mutation of Trp1254 in the Multispecific Organic Anion Transporter, Multidrug Resistance Protein 2 (MRP2) (ABCC2), Alters Substrate Specificity and Results in Loss of Methotrexate Transport Activity. <i>Journal of Biological Chemistry</i> , 2001, 276, 38108-38114.	3.4	111
1190	Ammonia and amino acid transport across symbiotic membranes in nitrogen-fixing legume nodules. <i>Cellular and Molecular Life Sciences</i> , 2001, 58, 61-71.	5.4	102
1191	The importance of cholesterol in maintenance of P-glycoprotein activity and its membrane perturbing influence. <i>European Biophysics Journal</i> , 2001, 30, 430-442.	2.2	117
1192	An ATP-binding cassette gene (ABCG3) closely related to the multidrug transporter ABCG2 (MXR/ABCP) has an unusual ATP-binding domain. <i>Mammalian Genome</i> , 2001, 12, 86-88.	2.2	32
1193	Bioenergetics and solute uptake under extreme conditions. <i>Extremophiles</i> , 2001, 5, 285-294.	2.3	48
1194	Characterisation of single domain ATP-binding cassette protein homologues of <i>Theileria parva</i> . <i>Parasitology Research</i> , 2001, 87, 741-750.	1.6	2
1195	Toxicological relevance of the multidrug resistance protein 1, MRP1 (ABCC1) and related transporters. <i>Toxicology</i> , 2001, 167, 3-23.	4.2	364
1196	P-glycoprotein inhibitors stimulate renal phosphate reabsorption in rats. <i>Kidney International</i> , 2001, 60, 1069-1076.	5.2	3
1197	Identification and localization of three photobinding sites of iodoarylazidoprazosin in hamster P-glycoprotein. <i>FEBS Journal</i> , 2001, 268, 2629-2634.	0.2	29

#	ARTICLE	IF	CITATIONS
1198	Fibrate induction of the adrenoleukodystrophy-related gene (ABCD2). <i>FEBS Journal</i> , 2001, 268, 3490-3500.	0.2	63
1199	Functional asymmetry of the ATP-binding cassettes of the ABC transporter TAP is determined by intrinsic properties of the nucleotide binding domains. <i>FEBS Journal</i> , 2001, 268, 4776-4786.	0.2	28
1200	SoxR-dependent response to oxidative stress and virulence of <i>Erwinia chrysanthemi</i> : the key role of SufC, an orphan ABC ATPase. <i>Molecular Microbiology</i> , 2001, 39, 960-972.	2.5	166
1201	A functional genomic analysis of type 3 <i>Streptococcus pneumoniae</i> virulence. <i>Molecular Microbiology</i> , 2001, 40, 555-571.	2.5	259
1202	Sugar transport in <i>Sulfolobus solfataricus</i> is mediated by two families of binding protein-dependent ABC transporters. <i>Molecular Microbiology</i> , 2001, 39, 1494-1503.	2.5	121
1203	Solute-binding protein-dependent ABC transporters are responsible for solute efflux in addition to solute uptake. <i>Molecular Microbiology</i> , 2001, 40, 1449-1459.	2.5	39
1204	The ABC-like vacuolar transporter for rye mesophyll flavone glucuronides is not species-specific. <i>Phytochemistry</i> , 2001, 56, 153-159.	2.9	18
1205	Mechanisms of action of flavopiridol. <i>Critical Reviews in Oncology/Hematology</i> , 2001, 38, 139-170.	4.4	210
1206	Optical Determination of Glutamine Using a Genetically Engineered Protein. <i>Analytical Biochemistry</i> , 2001, 291, 89-95.	2.4	74
1207	Dissecting the apoptotic mechanisms of chemotherapeutic drugs and lymphocytes to design effective anticancer therapies. <i>Drug Development Research</i> , 2001, 52, 549-557.	2.9	3
1208	Eight novel ABCD1 gene mutations and three polymorphisms in patients with X-linked adrenoleukodystrophy: The first polymorphism causing an amino acid exchange. <i>Human Mutation</i> , 2001, 18, 52-60.	2.5	26
1209	ABCD1 mutations and the X-linked adrenoleukodystrophy mutation database: Role in diagnosis and clinical correlations. <i>Human Mutation</i> , 2001, 18, 499-515.	2.5	261
1210	Review: Bacteriocins of Lactic Acid Bacteria. <i>Food Science and Technology International</i> , 2001, 7, 281-305.	2.2	201
1211	Multidrug Resistance in <i>Botrytis cinerea</i> Associated with Decreased Accumulation of the Azole Fungicide Oxpoconazole and Increased Transcription of the ABC Transporter Gene BcatrD. <i>Pesticide Biochemistry and Physiology</i> , 2001, 70, 168-179.	3.6	84
1212	Functions of the Vacuole in Higher Plant Cells. <i>Russian Journal of Plant Physiology</i> , 2001, 48, 672-680.	1.1	22
1213	Purification and characterization of the membrane-bound complex of an ABC transporter, the histidine permease. <i>Journal of Bioenergetics and Biomembranes</i> , 2001, 33, 79-92.	2.3	34
1214	Complete characterization of the human ABC gene family. <i>Journal of Bioenergetics and Biomembranes</i> , 2001, 33, 475-479.	2.3	249
1215	Cystic fibrosis: a brief look at some highlights of a decade of research focused on elucidating and correcting the molecular basis of the disease. <i>Journal of Bioenergetics and Biomembranes</i> , 2001, 33, 513-521.	2.3	20

#	ARTICLE	IF	CITATIONS
1216	Overview: ABC transporters and human disease. <i>Journal of Bioenergetics and Biomembranes</i> , 2001, 33, 453-458.	2.3	304
1217	ABC proteins of <i>Leishmania</i> . <i>Journal of Bioenergetics and Biomembranes</i> , 2001, 33, 469-474.	2.3	44
1218	The role of half-transporters in multidrug resistance. <i>Journal of Bioenergetics and Biomembranes</i> , 2001, 33, 503-511.	2.3	115
1219	Frequency of single nucleotide polymorphisms in the P-glycoprotein drug transporter MDR1 gene in white subjects. <i>Clinical Pharmacology and Therapeutics</i> , 2001, 69, 169-174.	4.7	628
1220	Functional Regulation of Immunoproteasomes and Transporter Associated with Antigen Processing. <i>Immunologic Research</i> , 2001, 24, 245-272.	2.9	15
1221	Familial intrahepatic cholestasis 1: Studies of localization and function. <i>Hepatology</i> , 2001, 34, 768-775.	7.3	179
1222	Structure of the ABC ATPase domain of human TAP1, the transporter associated with antigen processing. <i>EMBO Journal</i> , 2001, 20, 4964-4972.	7.8	249
1223	Repacking of the transmembrane domains of P-glycoprotein during the transport ATPase cycle. <i>EMBO Journal</i> , 2001, 20, 5615-5625.	7.8	265
1224	The <i>Arabidopsis thaliana</i> ABC transporter AtMRP5 controls root development and stomata movement. <i>EMBO Journal</i> , 2001, 20, 1875-1887.	7.8	206
1225	Functional asymmetry of the two nucleotide binding domains in the ABC transporter Ste6. <i>Molecular Genetics and Genomics</i> , 2001, 264, 883-893.	2.1	16
1226	The cell surface associated phosphatase activity of <i>Mycobacterium bovis</i> BCG is not regulated by environmental inorganic phosphate. <i>FEMS Microbiology Letters</i> , 2001, 195, 121-126.	1.8	26
1227	Intracellular pH-dependent efflux of the fluorescent probe pyranine in the yeast <i>Yarrowia lipolytica</i> . <i>FEMS Microbiology Letters</i> , 2001, 200, 185-189.	1.8	13
1228	Identification and characterization of a high-affinity zinc uptake system in <i>Neisseria gonorrhoeae</i> . <i>FEMS Microbiology Letters</i> , 2001, 202, 67-71.	1.8	33
1229	The tripartite ATP-independent periplasmic (TRAP) transporters of bacteria and archaea. <i>FEMS Microbiology Reviews</i> , 2001, 25, 405-424.	8.6	144
1230	Detailed characterization of cysteine-less P-glycoprotein reveals subtle pharmacological differences in function from wild-type protein. <i>British Journal of Pharmacology</i> , 2001, 134, 1609-1618.	5.4	56
1231	Phosphatidylserine, a death knell. <i>Cell Death and Differentiation</i> , 2001, 8, 551-563.	11.2	320
1232	Molecular signals in anti-apoptotic survival pathways. <i>Leukemia</i> , 2001, 15, 21-34.	7.2	60
1233	Wheat mitochondria ccmB encodes the membrane domain of a putative ABC transporter involved in cytochrome c biogenesis. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2001, 1519, 199-208.	2.4	25

#	ARTICLE	IF	CITATIONS
1234	Multidrug resistance gene expression during the murine ontogeny. Mechanisms of Ageing and Development, 2001, 122, 255-270.	4.6	20
1235	The absence of stereoselective P-glycoprotein- and multidrug resistance-associated protein-mediated transport of daunorubicin11Abbreviations: P-gp, P-glycoprotein; MRP1, multidrug resistance-associated protein; DNR, daunorubicin; WP900, daunorubicin enantiomer; Ci, intracellular free drug concentration in the cytosol; Ce: extracellular free drug concentration; Cn1, overall concentration of drug accumulated inside the cell (in the nucleus and in the acidic compartment); Cn, overall concentration of drug bound. Biochemical Pharmacology, 2001, 62, 561-567.	4.4	7
1236	Kinetics of glutathione and daunorubicin efflux from multidrug resistance protein overexpressing small-cell lung cancer cells. European Journal of Pharmacology, 2001, 421, 1-9.	3.5	45
1237	Distinct functional properties of the TAP subunits coordinate the nucleotide-dependent transport cycle. Current Biology, 2001, 11, 242-251.	3.9	55
1238	A common mechanism for ATP hydrolysis in ABC transporter and helicase superfamilies. Trends in Biochemical Sciences, 2001, 26, 539-544.	7.5	86
1239	Crystal Structures of the MJ1267 ATP Binding Cassette Reveal an Induced-Fit Effect at the ATPase Active Site of an ABC Transporter. Structure, 2001, 9, 571-586.	3.3	278
1240	Identifying and characterizing a five-gene cluster of ATP-binding cassette transporters mapping to human chromosome 17q24: a new subgroup within the ABCA subfamily. GeneScreen, 2001, 1, 157-164.	0.6	20
1241	Pharmacokinetic and Pharmacodynamic Implications of P-glycoprotein Modulation. Pharmacotherapy, 2001, 21, 778-796.	2.6	189
1242	ATP-binding Cassette Transporter A1 Contains an NH2-terminal Signal Anchor Sequence That Translocates the Protein's First Hydrophilic Domain to the Exoplasmic Space. Journal of Biological Chemistry, 2001, 276, 15137-15145.	3.4	104
1243	Identification of an ATP-binding Cassette Transporter for Export of the O-antigen across the Inner Membrane in Rhizobium etli Based on the Genetic, Functional, and Structural Analysis of an lps Mutant Deficient in O-antigen. Journal of Biological Chemistry, 2001, 276, 17190-17198.	3.4	17
1244	Glutathione-dependent Binding of a Photoaffinity Analog of Agosterol A to the C-terminal Half of Human Multidrug Resistance Protein. Journal of Biological Chemistry, 2001, 276, 23197-23206.	3.4	56
1245	Characterization of Drug Transport by the Human Multidrug Resistance Protein 3 (ABCC3). Journal of Biological Chemistry, 2001, 276, 46400-46407.	3.4	227
1246	Three-dimensional Structure of Transporter Associated with Antigen Processing (TAP) Obtained by Single Particle Image Analysis. Journal of Biological Chemistry, 2001, 276, 46054-46063.	3.4	35
1247	Plasmid-Encoded Phthalate Catabolic Pathway in Arthrobacter keyseri 12B. Journal of Bacteriology, 2001, 183, 3689-3703.	2.2	203
1248	A Combined Analysis of the Cystic Fibrosis Transmembrane Conductance Regulator: Implications for Structure and Disease Models. Molecular Biology and Evolution, 2001, 18, 1771-1788.	8.9	68
1249	Beyond the Specific Plaque Hypothesis: Are Highly Leukotoxic Strains of Actinobacillus Actinomycetemcomitans a Paradigm for Periodontal Pathogenesis?. Critical Reviews in Oral Biology and Medicine, 2001, 12, 116-124.	4.4	51
1250	A Mutation of the Mitochondrial ABC Transporter Sta1 Leads to Dwarfism and Chlorosis in the Arabidopsis Mutant starik. Plant Cell, 2001, 13, 89-100.	6.6	253
1251	A New Monoclonal Antibody, P2A8(6), that Specifically Recognizes a Novel Epitope on the Multidrug Resistance-Associated Protein 1 (MRP1), but not on MRP2 nor MRP3. Hybridoma, 2001, 20, 333-341.	0.4	7

#	ARTICLE	IF	CITATIONS
1252	The Leishmania ATP-binding Cassette Protein PGPA Is an Intracellular Metal-Thiol Transporter ATPase. Journal of Biological Chemistry, 2001, 276, 26301-26307.	3.4	205
1253	Transporters on Demand. Journal of Biological Chemistry, 2001, 276, 7218-7224.	3.4	160
1254	Defining the Drug-binding Site in the Human Multidrug Resistance P-glycoprotein Using a Methanethiosulfonate Analog of Verapamil, MTS-verapamil. Journal of Biological Chemistry, 2001, 276, 14972-14979.	3.4	170
1255	Characterization of the Human ABCG1 Gene. Journal of Biological Chemistry, 2001, 276, 39438-39447.	3.4	226
1256	Distinct Functions of the ATP Binding Cassettes of Transporters Associated with Antigen Processing. Journal of Biological Chemistry, 2001, 276, 22107-22113.	3.4	44
1257	B-subunit of Phosphate-specific Transporter from Mycobacterium tuberculosis Is a Thermostable ATPase. Journal of Biological Chemistry, 2001, 276, 44590-44597.	3.4	24
1258	N -Acyl- L -Homoserine Lactone-Mediated Regulation of the Lip Secretion System in Serratia liquefaciens MG1. Journal of Bacteriology, 2001, 183, 1805-1809.	2.2	63
1259	The Molecular Weight Distribution of Succinoglycan Produced by <i>Sinorhizobium meliloti</i> Is Influenced by Specific Tyrosine Phosphorylation and ATPase Activity of the Cytoplasmic Domain of the ExoP Protein. Journal of Bacteriology, 2001, 183, 5163-5170.	2.2	78
1260	Identification and Functional Analysis of Two Novel Mutations in the Multidrug Resistance Protein 2 Gene in Israeli Patients with Dubin-Johnson Syndrome. Journal of Biological Chemistry, 2001, 276, 36923-36930.	3.4	104
1261	Allosteric crosstalk between peptide-binding, transport, and ATP hydrolysis of the ABC transporter TAP. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 3732-3737.	7.1	113
1262	Cross-linking of Human Multidrug Resistance P-glycoprotein by the Substrate, Tris-(2-maleimidoethyl)amine, Is Altered by ATP Hydrolysis. Journal of Biological Chemistry, 2001, 276, 31800-31805.	3.4	62
1263	Alkyl-Lysophospholipid Resistance in Multidrug-Resistant Leishmania tropica and Chemosensitization by a Novel P-Glycoprotein-Like Transporter Modulator. Antimicrobial Agents and Chemotherapy, 2001, 45, 2468-2474.	3.2	120
1264	Phenotypic and Genomic Analyses of the Mycobacterium avium Complex Reveal Differences in Gastrointestinal Invasion and Genomic Composition. Infection and Immunity, 2001, 69, 7242-7249.	2.2	30
1265	Determining the Dimensions of the Drug-binding Domain of Human P-glycoprotein Using Thiol Cross-linking Compounds as Molecular Rulers. Journal of Biological Chemistry, 2001, 276, 36877-36880.	3.4	160
1266	X-linked Adrenoleukodystrophy: Unusual Clinical Manifestation. International Journal on Disability and Human Development, 2001, 2, .	0.2	0
1267	Cloning, Nucleotide Sequencing, and Functional Analysis of a Novel, Mobile Cluster of Biodegradation Genes from Pseudomonas aeruginosa Strain JB2. Applied and Environmental Microbiology, 2001, 67, 4603-4609.	3.1	52
1268	Domain Interactions in the Yeast ATP Binding Cassette Transporter Ycf1p: Intragenic Suppressor Analysis of Mutations in the Nucleotide Binding Domains. Journal of Bacteriology, 2001, 183, 4761-4770.	2.2	23
1269	Functional Expression of Candida albicans Drug Efflux Pump Cdr1p in a Saccharomyces cerevisiae Strain Deficient in Membrane Transporters. Antimicrobial Agents and Chemotherapy, 2001, 45, 3366-3374.	3.2	174

#	ARTICLE	IF	CITATIONS
1270	P-Glycoprotein Limits Oral Availability, Brain, and Fetal Penetration of Saquinavir Even with High Doses of Ritonavir. <i>Molecular Pharmacology</i> , 2001, 59, 806-813.	2.3	171
1271	A Plant Plasma Membrane ATP Binding Cassette-Type Transporter Is Involved in Antifungal Terpenoid Secretion. <i>Plant Cell</i> , 2001, 13, 1095-1107.	6.6	293
1272	Genetic and Biochemical Characterization of Glycerol Uptake in <i>Mycoplasma mycoides</i> subsp. <i>mycoides</i> SC: Its Impact on H ₂ O ₂ Production and Virulence. <i>Vaccine Journal</i> , 2001, 8, 85-92.	2.6	106
1273	Comparative analysis of the promoter structure and genomic organization of the human and mouse ABCA7 gene encoding a novel ABCA transporter. <i>Cytogenetic and Genome Research</i> , 2001, 92, 264-270.	1.1	41
1274	Activity of the <i>Kluyveromyces lactis</i> Pdr5 Multidrug Transporter Is Modulated by the Sit4 Protein Phosphatase. <i>Journal of Bacteriology</i> , 2001, 183, 3939-3948.	2.2	21
1275	The <i>Arabidopsis thaliana</i> ABC Protein Superfamily, a Complete Inventory. <i>Journal of Biological Chemistry</i> , 2001, 276, 30231-30244.	3.4	484
1276	Hop Resistance in the Beer Spoilage Bacterium <i>Lactobacillus brevis</i> Is Mediated by the ATP-Binding Cassette Multidrug Transporter HorA. <i>Journal of Bacteriology</i> , 2001, 183, 5371-5375.	2.2	175
1277	Uptake of the ATP-Binding Cassette (ABC) Transporter Ste6 into the Yeast Vacuole Is Blocked in the <i>doa4</i> Mutant. <i>Molecular Biology of the Cell</i> , 2001, 12, 1047-1059.	2.1	71
1278	Identification and Characterization of fhuD1 and fhuD2 , Two Genes Involved in Iron-Hydroxamate Uptake in <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2001, 183, 4994-5000.	2.2	102
1279	The AbcA Transporter of <i>Staphylococcus aureus</i> Affects Cell Autolysis. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 407-412.	3.2	27
1280	Analysis of the Role of OpuC, an Osmolyte Transport System, in Salt Tolerance and Virulence Potential of <i>Listeria monocytogenes</i> . <i>Applied and Environmental Microbiology</i> , 2001, 67, 2692-2698.	3.1	151
1281	Enhanced Multispecificity of <i>Arabidopsis</i> Vacuolar Multidrug Resistance-associated Protein-type ATP-binding Cassette Transporter, AtMRP2. <i>Journal of Biological Chemistry</i> , 2001, 276, 8648-8656.	3.4	129
1282	Activation by Gene Amplification of pitB , Encoding a Third Phosphate Transporter of <i>Escherichia coli</i> K-12. <i>Journal of Bacteriology</i> , 2001, 183, 4659-4663.	2.2	26
1283	The Human ATP-Binding Cassette Transporter Genes From the Bench to the Bedside. <i>Current Molecular Medicine</i> , 2001, 1, 45-65.	1.3	135
1284	Efflux in bacteria: what do we really know about it?. <i>Expert Opinion on Investigational Drugs</i> , 2001, 10, 1409-1422.	4.1	59
1285	The multi-structural feature of the multidrug resistance gene product P-glycoprotein: implications for its mechanism of action. <i>Molecular Membrane Biology</i> , 2001, 18, 145-152.	2.0	8
1286	Detection of Human P-Glycoprotein-like Molecule in Azole-Resistant <i>Candida albicans</i> from HIV+Patients. <i>Microbial Drug Resistance</i> , 2002, 8, 235-244.	2.0	4
1287	Mutations in the Nucleotide Binding Domain 1 Signature Motif Region Rescue Processing and Functional Defects of Cystic Fibrosis Transmembrane Conductance Regulator Δ F508. <i>Journal of Biological Chemistry</i> , 2002, 277, 35896-35905.	3.4	97

#	ARTICLE	IF	CITATIONS
1288	Requirement of the N-Terminal Extension for Vacuolar Trafficking and Transport Activity of Yeast Ycf1p, an ATP-binding Cassette Transporter. <i>Molecular Biology of the Cell</i> , 2002, 13, 4443-4455.	2.1	60
1289	The ybiT Gene of <i>Erwinia chrysanthemi</i> Codes for a Putative ABC Transporter and Is Involved in Competitiveness against Endophytic Bacteria during Infection. <i>Applied and Environmental Microbiology</i> , 2002, 68, 1624-1630.	3.1	37
1290	Redundancy in Periplasmic Binding Protein-Dependent Transport Systems for Trehalose, Sucrose, and Maltose in <i>Sinorhizobium meliloti</i> . <i>Journal of Bacteriology</i> , 2002, 184, 2978-2986.	2.2	63
1291	ID17, a new iron-regulated ABC transporter from barley roots, localizes to the tonoplast. <i>Journal of Experimental Botany</i> , 2002, 53, 727-735.	4.8	50
1292	Biochemical Defects in Retina-specific Human ATP Binding Cassette Transporter Nucleotide Binding Domain 1 Mutants Associated with Macular Degeneration. <i>Journal of Biological Chemistry</i> , 2002, 277, 21759-21767.	3.4	27
1293	Proteolytic Cleavage of the Linker Region of the Human P-glycoprotein Modulates Its ATPase Function. <i>Journal of Biological Chemistry</i> , 2002, 277, 29417-29423.	3.4	16
1294	Identification of Interdependent Signals Required for Anterograde Traffic of the ATP-binding Cassette Transporter Protein Yor1p. <i>Journal of Biological Chemistry</i> , 2002, 277, 34860-34869.	3.4	23
1295	The First Nucleotide Binding Domain of Cystic Fibrosis Transmembrane Conductance Regulator Is a Site of Stable Nucleotide Interaction, whereas the Second Is a Site of Rapid Turnover. <i>Journal of Biological Chemistry</i> , 2002, 277, 15419-15425.	3.4	173
1296	Structural and Functional Consequences of Mutating Cysteine Residues in the Amino Terminus of Human Multidrug Resistance-associated Protein 1. <i>Journal of Biological Chemistry</i> , 2002, 277, 44268-44277.	3.4	50
1297	RLIP76, a Novel Transporter Catalyzing ATP-Dependent Efflux of Xenobiotics. <i>Drug Metabolism and Disposition</i> , 2002, 30, 1300-1310.	3.3	84
1298	Molecular Cloning of a Novel Chaperone-like Protein Induced by Rhabdovirus Infection with Sequence Similarity to the Bacterial Extracellular Solute-binding Protein Family 5. <i>Journal of Biological Chemistry</i> , 2002, 277, 41489-41496.	3.4	5
1299	Genes Involved in Bacitracin Resistance in <i>Streptococcus mutans</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 3756-3764.	3.2	84
1300	Hinge-bending Motion of d-Allose-binding Protein from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 14077-14084.	3.4	64
1301	Location of the Rhodamine-binding Site in the Human Multidrug Resistance P-glycoprotein. <i>Journal of Biological Chemistry</i> , 2002, 277, 44332-44338.	3.4	183
1302	The multidrug transporter, P-glycoprotein, actively mediates cholesterol redistribution in the cell membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 10347-10352.	7.1	181
1303	The "LSGGQ" Motif in Each Nucleotide-binding Domain of Human P-glycoprotein Is Adjacent to the Opposing Walker A Sequence. <i>Journal of Biological Chemistry</i> , 2002, 277, 41303-41306.	3.4	131
1304	Three Oligopeptide-binding Proteins Are Involved in the Oligopeptide Transport of <i>Streptococcus thermophilus</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 32-39.	3.4	70
1305	Leukocyte ABCA1 controls susceptibility to atherosclerosis and macrophage recruitment into tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 6298-6303.	7.1	326

#	ARTICLE	IF	CITATIONS
1306	Identification and characterization of a novel ABCA subfamily member, ABCA12, located in the lamellar ichthyosis region on 2q34. <i>Cytogenetic and Genome Research</i> , 2002, 98, 169-176.	1.1	67
1307	Mechanism of ABC transporters: A molecular dynamics simulation of a well characterized nucleotide-binding subunit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 12639-12644.	7.1	132
1308	Selection and characterisation of a phage-displayed human antibody (Fab) reactive to the lung resistance-related major vault protein. <i>British Journal of Cancer</i> , 2002, 86, 954-962.	6.4	5
1309	Increased expression of beta 2-microglobulin in multidrug-resistant tumour cells. <i>British Journal of Cancer</i> , 2002, 86, 1943-1950.	6.4	15
1310	<i>Rhizobium leguminosarum</i> Has a Second General Amino Acid Permease with Unusually Broad Substrate Specificity and High Similarity to Branched-Chain Amino Acid Transporters (Bra/LIV) of the ABC Family. <i>Journal of Bacteriology</i> , 2002, 184, 4071-4080.	2.2	97
1311	Genes Coding for a New Pathway of Aerobic Benzoate Metabolism in <i>Azoarcus evansii</i> . <i>Journal of Bacteriology</i> , 2002, 184, 6301-6315.	2.2	111
1312	Identification of Virulence Genes in a Pathogenic Strain of <i>Pseudomonas aeruginosa</i> by Representational Difference Analysis. <i>Journal of Bacteriology</i> , 2002, 184, 952-961.	2.2	92
1313	Mechanism of Coupling of Transport to Hydrolysis in Bacterial ATP-Binding Cassette Transporters. <i>Journal of Bacteriology</i> , 2002, 184, 1225-1233.	2.2	100
1314	The membrane protein FeoB contains an intramolecular G protein essential for Fe(II) uptake in bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 16243-16248.	7.1	140
1315	The ATPase Activity and the Functional Domain of PotA, a Component of the Spermidine-preferential Uptake System in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 24212-24219.	3.4	26
1316	ATP Binding/Hydrolysis by and Phosphorylation of Peroxisomal ATP-binding Cassette Proteins PMP70 (ABCD3) and Adrenoleukodystrophy Protein (ABCD1). <i>Journal of Biological Chemistry</i> , 2002, 277, 40142-40147.	3.4	62
1317	Identification of OpuC as a Chill-Activated and Osmotically Activated Carnitine Transporter in <i>Listeria monocytogenes</i> . <i>Applied and Environmental Microbiology</i> , 2002, 68, 2644-2650.	3.1	52
1318	Introduction of the Most Common Cystic Fibrosis Mutation (Î ⁷ F508) into Human P-glycoprotein Disrupts Packing of the Transmembrane Segments. <i>Journal of Biological Chemistry</i> , 2002, 277, 27585-27588.	3.4	36
1319	Assembly Limits the Pharmacological Complexity of ATP-sensitive Potassium Channels. <i>Journal of Biological Chemistry</i> , 2002, 277, 13717-13723.	3.4	33
1320	Thiol-Disulfide Oxidoreductases Are Essential for the Production of the Lantibiotic Sublancin 168. <i>Journal of Biological Chemistry</i> , 2002, 277, 16682-16688.	3.4	101
1321	A Short Segment of the R Domain of Cystic Fibrosis Transmembrane Conductance Regulator Contains Channel Stimulatory and Inhibitory Activities That Are Separable by Sequence Modification. <i>Journal of Biological Chemistry</i> , 2002, 277, 23019-23027.	3.4	28
1322	Identification of LBM180, a Lamellar Body Limiting Membrane Protein of Alveolar Type II Cells, as the ABC Transporter Protein ABCA3. <i>Journal of Biological Chemistry</i> , 2002, 277, 22147-22155.	3.4	187
1323	A Novel Membrane Protein, Ros3p, Is Required for Phospholipid Translocation across the Plasma Membrane in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 37855-37862.	3.4	117

#	ARTICLE	IF	CITATIONS
1324	Multidrug Resistance Phenotype Mediated by the P-Glycoprotein-Like Transporter in Leishmania: A Search for Reversal Agents. <i>Current Drug Targets</i> , 2002, 3, 311-333.	2.1	66
1325	Translation elongation-3-like factors: are they rational antifungal targets?. <i>Expert Opinion on Therapeutic Targets</i> , 2002, 6, 545-553.	3.4	7
1326	Modes of active inorganic carbon uptake in the cyanobacterium, <i>Synechococcus</i> sp. PCC7942. <i>Functional Plant Biology</i> , 2002, 29, 131.	2.1	145
1327	Does ABCG2 Need a Heterodimer Partner? Expression and Functional Evaluation of ABCG2 (Arg 482)*. <i>Drug Metabolism and Pharmacokinetics</i> , 2002, 17, 130-135.	2.2	7
1328	Multidrug-Resistance Transporters. , 1999, 12, 353-386.		94
1330	ATP-Binding Cassette Transport System Involved in Regulation of Morphological Differentiation in Response to Glucose in <i>Streptomyces griseus</i> . <i>Journal of Bacteriology</i> , 2002, 184, 91-103.	2.2	61
1331	Ped3p is a Peroxisomal ATP-Binding Cassette Transporter that might Supply Substrates for Fatty Acid β^2 -Oxidation. <i>Plant and Cell Physiology</i> , 2002, 43, 1-11.	3.1	182
1332	Identification, Characterization, and Expression of a Second, Bicistronic, Operon Involved in the Production of Lactocin S in <i>Lactobacillus sakei</i> L45. <i>Applied and Environmental Microbiology</i> , 2002, 68, 720-727.	3.1	28
1333	Structural and Functional Asymmetry of the Nucleotide-binding Domains of P-glycoprotein Investigated by Attenuated Total Reflection Fourier Transform Infrared Spectroscopy. <i>Journal of Biological Chemistry</i> , 2002, 277, 5008-5016.	3.4	43
1334	New Regulators of Drug Sensitivity in the Family of Yeast Zinc Cluster Proteins. <i>Journal of Biological Chemistry</i> , 2002, 277, 21254-21260.	3.4	71
1335	Cooperative, ATP-dependent Association of the Nucleotide Binding Cassettes during the Catalytic Cycle of ATP-binding Cassette Transporters. <i>Journal of Biological Chemistry</i> , 2002, 277, 21111-21114.	3.4	303
1336	Localization, Regulation, and Substrate Transport Properties of Bpt1p, a <i>Saccharomyces cerevisiae</i> MRP-Type ABC Transporter. <i>Eukaryotic Cell</i> , 2002, 1, 391-400.	3.4	92
1337	An Oligopeptide Transporter Gene Family in Arabidopsis. <i>Plant Physiology</i> , 2002, 128, 21-29.	4.8	125
1338	Maturation of Cytosolic Iron-Sulfur Proteins Requires Glutathione. <i>Journal of Biological Chemistry</i> , 2002, 277, 26944-26949.	3.4	190
1339	The Transporter Associated With Antigen Processing: Function and Implications in Human Diseases. <i>Physiological Reviews</i> , 2002, 82, 187-204.	28.8	179
1340	Leukodystrophies. , 2002, , 1633-1648.		0
1341	Functional visualization of the excretory system of adult <i>Schistosoma mansoni</i> by the fluorescent marker resorufin. <i>Parasitology</i> , 2002, 125, 527-535.	1.5	35
1342	FUNCTIONAL CHARACTERIZATION OF THE ADRENOLEUKODYSTROPHY PROTEIN (ALDP) AND DISEASE PATHOGENESIS. <i>Endocrine Research</i> , 2002, 28, 741-748.	1.2	13

#	ARTICLE	IF	CITATIONS
1343	Functional analysis of the C-terminal boundary of the second nucleotide binding domain of the cystic fibrosis transmembrane conductance regulator and structural implications. <i>Biochemical Journal</i> , 2002, 366, 541-548.	3.7	28
1344	Overexpression and functional characterization of an ABC (ATP-binding cassette) transporter encoded by the genes <i>drdA</i> and <i>drdB</i> of <i>Mycobacterium tuberculosis</i> . <i>Biochemical Journal</i> , 2002, 367, 279-285.	3.7	132
1345	A new mutation of the ATP-binding cassette, sub-family C, member 2 (<i>ABCC2</i>) gene in a Japanese patient with Dubin-Johnson syndrome.. <i>Genes and Genetic Systems</i> , 2002, 77, 117-121.	0.7	32
1346	Assembly Pathways for Biosynthesis of A-Band and B-Band Lipopolysaccharide in <i>Pseudomonas aeruginosa</i> . , 2002, , 127-143.		2
1347	Photoreceptor renewal: A role for peripherin/rds. <i>International Review of Cytology</i> , 2002, 217, 183-225.	6.2	55
1348	P-Glycoprotein Expression in Mouse Brain Increases with Maturation. <i>Neonatology</i> , 2002, 81, 58-64.	2.0	69
1349	Cytoplasmic Retraction of the Amino Terminus of Human Multidrug Resistance Protein 1. <i>Biochemistry</i> , 2002, 41, 9052-9062.	2.5	18
1350	Importance of the Conserved Walker B Glutamate Residues, 556 and 1201, for the Completion of the Catalytic Cycle of ATP Hydrolysis by Human P-glycoprotein (<i>ABCB1</i>). <i>Biochemistry</i> , 2002, 41, 13989-14000.	2.5	99
1351	A Combinatorial Approach toward Analyzing Functional Elements of the <i>Escherichia coli</i> Hemolysin Signal Sequence. <i>Biochemistry</i> , 2002, 41, 5333-5339.	2.5	18
1352	Transporters for Bile Acids and Organic Anions. , 1999, 12, 387-439.		37
1353	Mechanisms of Cancer Drug Resistance. <i>Annual Review of Medicine</i> , 2002, 53, 615-627.	12.2	2,284
1354	Three-dimensional structure by cryo-electron microscopy of YvcC, an homodimeric ATP-binding cassette transporter from <i>Bacillus subtilis</i> . <i>Journal of Molecular Biology</i> , 2002, 315, 1075-1085.	4.2	71
1355	Nucleotide-Induced Conformational Changes of PMP70, an ATP Binding Cassette Transporter on Rat Liver Peroxisomal Membranes. <i>Biochemical and Biophysical Research Communications</i> , 2002, 291, 1245-1251.	2.1	25
1356	ABCA1Alabama: a novel variant associated with HDL deficiency and premature coronary artery disease. <i>Atherosclerosis</i> , 2002, 164, 245-250.	0.8	40
1357	The human bile salt export pump: Characterization of substrate specificity and identification of inhibitors. <i>Gastroenterology</i> , 2002, 123, 1649-1658.	1.3	308
1358	Mammalian ABC Transporters in Health and Disease. <i>Annual Review of Biochemistry</i> , 2002, 71, 537-592.	11.1	1,441
1359	Trafficking of Canalicular ABC Transporters in Hepatocytes. <i>Annual Review of Physiology</i> , 2002, 64, 595-608.	13.1	116
1360	A Positively Charged Amino Acid Proximal to the C-Terminus of TM17 of MRP1 Is Indispensable for GSH-Dependent Binding of Substrates and for Transport of LTC4. <i>Biochemistry</i> , 2002, 41, 14132-14140.	2.5	34

#	ARTICLE	IF	CITATION
1361	The ABCG2 transporter is an efficient Hoechst 33342 efflux pump and is preferentially expressed by immature human hematopoietic progenitors. <i>Blood</i> , 2002, 99, 507-512.	1.4	710
1362	Mycotoxins in Plant Disease. , 2002, , .		5
1363	Fibrosis quÃstica. FisiopatologÃa, genÃtica, aspectos clÃnicos y terapÃuticos. <i>EMC Pediatría</i> , 2002, 37, 1-22.	0.0	0
1364	Structural Evidence for a Dominant Role of Nonpolar Interactions in the Binding of a Transport/Chemosensory Receptor to Its Highly Polar Ligandsâ€¢â€¢. <i>Biochemistry</i> , 2002, 41, 706-712.	2.5	69
1365	Projection Structure of P-glycoprotein by Electron Microscopy. <i>Journal of Biological Chemistry</i> , 2002, 277, 40125-40131.	3.4	74
1366	A Super-Channel in Bacteria: Macro-molecule Uptake and Depolymerization Systems of Sphingomonas sp. Al with a Special Cell Surface Structure. <i>Biotechnology and Genetic Engineering Reviews</i> , 2002, 19, 105-120.	6.2	4
1367	Novel Strategies for Overcoming Multidrug Resistance in Cancer. <i>BioDrugs</i> , 2002, 16, 97-103.	4.6	11
1368	Investigation of multidrug efflux pumps in relation to fluconazole resistance in Candida albicans biofilms. <i>Journal of Antimicrobial Chemotherapy</i> , 2002, 49, 973-980.	3.0	403
1370	Biochemical implications of sequence comparisons of the cystic fibrosis transmembrane conductance regulator. <i>Archives of Biochemistry and Biophysics</i> , 2002, 401, 215-222.	3.0	2
1371	Multidrug transporters and antibiotic resistance in Lactococcus lactis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2002, 1555, 1-7.	1.0	79
1372	Thiamin transport in Escherichia coli: the mechanism of inhibition by the sulfhydryl-specific modifier N-ethylmaleimide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002, 1564, 421-428.	2.6	12
1373	Low level of mitochondrial deoxyguanosine kinase is the dominant factor in acquired resistance to 9-Î²-d-arabinofuranosylguanine cytotoxicity. <i>Biochemical and Biophysical Research Communications</i> , 2002, 293, 1489-1496.	2.1	24
1374	Molecular structure of a novel cholesterol-responsive A subclass ABC transporter, ABCA9. <i>Biochemical and Biophysical Research Communications</i> , 2002, 295, 408-416.	2.1	79
1375	Functional analysis of ABCA8, a new drug transporter. <i>Biochemical and Biophysical Research Communications</i> , 2002, 298, 41-45.	2.1	63
1376	ABCC13, an unusual truncated ABC transporter, is highly expressed in fetal human liver. <i>Biochemical and Biophysical Research Communications</i> , 2002, 299, 410-417.	2.1	57
1377	cDNA cloning and characterization of tobacco ABC transporter: NtPDR1 is a novel elicitor-responsive gene 1. <i>FEBS Letters</i> , 2002, 518, 164-168.	2.8	77
1378	A new experimental approach to detect long-range conformational changes transmitted between the membrane and cytosolic domains of LmrA, a bacterial multidrug transporter. <i>FEBS Letters</i> , 2002, 530, 197-203.	2.8	12
1379	Thermodynamics of Peptide Binding to the Transporter Associated with Antigen Processing (TAP). <i>Journal of Molecular Biology</i> , 2002, 324, 965-973.	4.2	31

#	ARTICLE	IF	CITATIONS
1380	Detection of MDR1 single nucleotide polymorphisms C3435T and G2677T using real-time polymerase chain reaction: MDR1 single nucleotide polymorphism genotyping assay. <i>AAPS PharmSci</i> , 2002, 4, 89-94.	1.3	19
1381	Evidence for the Role of Glycosylation in Accessibility of the Extracellular Domains of Human MRP1 (ABCC1). <i>Biochemistry</i> , 2002, 41, 10123-10132.	2.5	52
1382	Androgens and fatty acid metabolism in X-linked Adrenoleukodystrophy. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2002, 67, 137-139.	2.2	2
1383	The role of the Map protein in <i>Staphylococcus aureus</i> matrix protein and eukaryotic cell adherence. <i>International Journal of Medical Microbiology</i> , 2002, 292, 283-295.	3.6	34
1384	Dynamics of multidrug resistance: P-glycoprotein analyses with positron emission tomography. <i>Methods</i> , 2002, 27, 228-233.	3.8	27
1385	ATP Binding to the Motor Domain from an ABC Transporter Drives Formation of a Nucleotide Sandwich Dimer. <i>Molecular Cell</i> , 2002, 10, 139-149.	9.7	738
1386	Novel ABCA1 compound variant associated with HDL cholesterol deficiency. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2002, 1587, 60-64.	3.8	28
1387	An oncological view on the blood–testis barrier. <i>Lancet Oncology</i> , The, 2002, 3, 357-363.	10.7	158
1388	Involvement of multidrug resistance proteins (MDR) in the modulation of glucocorticoid response. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2002, 82, 277-288.	2.5	52
1389	Peptide transport in plants. <i>Trends in Plant Science</i> , 2002, 7, 257-263.	8.8	113
1390	Transbilayer phospholipid movement and the clearance of apoptotic cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2002, 1585, 53-63.	2.4	178
1391	ABCA1 and the engulfment of apoptotic cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2002, 1585, 64-71.	2.4	42
1392	Expression of the vascular endothelial cell protein C receptor in epithelial tumour cells. <i>European Journal of Cancer</i> , 2002, 38, 1535-1542.	2.8	34
1393	Structure and association of ATP-binding cassette transporter nucleotide-binding domains. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002, 1561, 47-64.	2.6	119
1394	Antigen degradation or presentation by MHC class I molecules via classical and non-classical pathways. <i>Molecular Immunology</i> , 2002, 39, 181-202.	2.2	157
1395	cDNA cloning and genomic organization of the murine MRP7, a new ATP-binding cassette transporter. <i>Gene</i> , 2002, 286, 299-306.	2.2	33
1396	Molecular cloning and characterisation of three new ATP-binding cassette transporter genes from the wheat pathogen <i>Mycosphaerella graminicola</i> . <i>Gene</i> , 2002, 289, 141-149.	2.2	31
1397	Molecular and cytogenetic characterization of the mouse ATP-binding cassette transporter <i>Abcg4</i> . <i>Gene</i> , 2002, 293, 67-75.	2.2	11

#	ARTICLE	IF	CITATIONS
1398	Two-peptide bacteriocins produced by lactic acid bacteria. <i>Biochimie</i> , 2002, 84, 577-592.	2.6	199
1399	Comparison of idarubicin and daunorubicin regarding intracellular uptake, induction of apoptosis, and resistance. <i>Cancer Letters</i> , 2002, 178, 141-149.	7.2	54
1400	A Novel Natural Product Compound Enhances cAMP-Regulated Chloride Conductance of Cells Expressing CFTR Δ F508. <i>Molecular Medicine</i> , 2002, 8, 75-87.	4.4	27
1401	Antigenic Peptide Transporter. , 1999, 12, 289-312.		0
1402	The Role of ATP-Binding Cassette Transporters in the Clearance of Apoptotic Cells: A Tale of Two Systems. , 0, , 97-109.		0
1403	The Molecular Basis for Hepatobiliary Transport of Organic Cations and Organic Anions. <i>Pharmaceutical Biotechnology</i> , 2002, 12, 89-157.	0.3	10
1404	Domain-domain associations in cystic fibrosis transmembrane conductance regulator. <i>American Journal of Physiology - Cell Physiology</i> , 2002, 282, C1170-C1180.	4.6	20
1405	Cholestasis: The ABCs of Cellular Mechanisms for Impaired Bile Secretion â€“ Transporters and Genes. <i>Canadian Journal of Gastroenterology & Hepatology</i> , 2002, 16, 380-389.	1.7	9
1406	Functions and Dysfunctions of Peroxisomes in Fatty Acid β - and β^2 -Oxidation. <i>Advances in Experimental Medicine and Biology</i> , 2002, 466, 283-299.	1.6	1
1407	Isolation of a genomic clone containing the promoter region of the human ATP binding cassette (ABC) transporter, ABCB6. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2002, 1574, 117-130.	2.4	20
1408	Elevated carnitine accumulation by <i>Listeria monocytogenes</i> impaired in glycine betaine transport is insufficient to restore wild-type cryotolerance in milk whey. <i>International Journal of Food Microbiology</i> , 2002, 75, 1-9.	4.7	26
1409	Structure and mechanism of ABC transporters. <i>Current Opinion in Structural Biology</i> , 2002, 12, 754-760.	5.7	282
1410	A High-Throughput Screening Microplate Test for the Interaction of Drugs with P-Glycoprotein. <i>Analytical Biochemistry</i> , 2002, 305, 106-114.	2.4	74
1411	ATP-binding cassette transporter ABCA2 (ABC2) expression in the developing spinal cord and PNS during myelination. <i>Journal of Comparative Neurology</i> , 2002, 451, 334-345.	1.6	27
1412	ATP-binding cassette (ABC) transporters in atherosclerosis. <i>Current Atherosclerosis Reports</i> , 2002, 4, 243-251.	4.8	20
1413	A novel haem compound accumulated in <i>Escherichia coli</i> overexpressing the cydDC operon, encoding an ABC-type transporter required for cytochrome assembly. <i>Archives of Microbiology</i> , 2002, 178, 358-369.	2.2	17
1414	Genetic characterization of an oligopeptide transport system from <i>Lactobacillus delbrueckii</i> subsp. <i>bulgaricus</i> . <i>Archives of Microbiology</i> , 2002, 177, 457-467.	2.2	30
1415	Molecular cloning, sequencing, and characterization of bovine transporter associated with antigen processing 2 (BoTAP2). <i>Immunogenetics</i> , 2002, 54, 30-38.	2.4	9

#	ARTICLE	IF	CITATIONS
1416	Phase I and pharmacokinetic study of vinblastine and high-dose megestrol acetate. <i>Cancer Chemotherapy and Pharmacology</i> , 2002, 50, 179-185.	2.3	8
1417	Transcriptional Analysis of the Xylose ABC Transport Operons in the Thermophilic Anaerobe <i>Thermoanaerobacter ethanolicus</i> . <i>Current Microbiology</i> , 2002, 45, 54-62.	2.2	13
1418	The plant PDR family of ABC transporters. <i>Planta</i> , 2002, 216, 95-106.	3.2	112
1419	Multifunctionality of plant ABC transporters â€“ more than just detoxifiers. <i>Planta</i> , 2002, 214, 345-355.	3.2	394
1420	Cloning and transcriptional analysis of the <i>Thermoanaerobacter ethanolicus</i> strain 39E maltose ABC transport system. <i>Extremophiles</i> , 2002, 6, 291-299.	2.3	7
1421	The cell biology of MHC class I antigen presentation. <i>Tissue Antigens</i> , 2002, 59, 3-17.	1.0	117
1422	Relevance of Multidrug Resistance Proteins for Intestinal Drug Absorption <i>in vitro</i> and <i>in vivo</i> . <i>Basic and Clinical Pharmacology and Toxicology</i> , 2002, 90, 5-13.	0.0	58
1423	Interactions formed by individually expressed TAP1 and TAP2 polypeptide subunits. <i>Immunology</i> , 2002, 106, 182-189.	4.4	37
1424	The <i>Escherichia coli</i> ATP-binding cassette (ABC) proteins. <i>Molecular Microbiology</i> , 1998, 28, 5-13.	2.5	361
1425	<i>Schizosaccharomyces pombe</i> isp4 encodes a transporter representing a novel family of oligopeptide transporters. <i>Molecular Microbiology</i> , 2002, 28, 729-741.	2.5	77
1426	Global analysis of transcription kinetics during competence development in <i>Streptococcus pneumoniae</i> using high density DNA arrays. <i>Molecular Microbiology</i> , 2002, 36, 1279-1292.	2.5	101
1428	MDR1 genotypes do not influence the absorption of a single oral dose of 1 mg digoxin in healthy white males. <i>British Journal of Clinical Pharmacology</i> , 2002, 54, 610-616.	2.4	133
1429	The LysR-type regulator SftR is involved in soil survival and sulphate ester metabolism in <i>Pseudomonas putida</i> . <i>Environmental Microbiology</i> , 2002, 4, 225-237.	3.8	37
1430	Correlation between pigmentation and antifouling compounds produced by <i>Pseudoalteromonas tunicata</i> . <i>Environmental Microbiology</i> , 2002, 4, 433-442.	3.8	116
1431	Functional Expression of a Glycoprotein in an Immortalised Cell Line of Rat Brain Endothelial Cells, RBE4. <i>Journal of Neurochemistry</i> , 1996, 67, 988-995.	3.9	96
1432	ABC transporters Cdr1p, Cdr2p and Cdr3p of a human pathogen <i>Candida albicans</i> are general phospholipid translocators. <i>Yeast</i> , 2002, 19, 303-318.	1.7	104
1433	Strategies for the identification, the assembly and the classification of integrated biological systems in completely sequenced genomes. <i>Computers & Chemistry</i> , 2002, 26, 447-457.	1.2	9
1434	Title is missing!. <i>European Journal of Plant Pathology</i> , 2002, 108, 719-734.	1.7	76

#	ARTICLE	IF	CITATIONS
1435	Stress responses in lactic acid bacteria. <i>Antonie Van Leeuwenhoek</i> , 2002, 82, 187-216.	1.7	598
1436	Transport ATPases in biological systems and relationship to human disease: a brief overview. <i>Journal of Bioenergetics and Biomembranes</i> , 2002, 34, 327-332.	2.3	14
1437	Iron in neurodegenerative disorders. <i>Neurotoxicity Research</i> , 2002, 4, 637-653.	2.7	44
1438	ABC transporters: one, two or four extracytoplasmic substrate-binding sites?. <i>EMBO Reports</i> , 2002, 3, 938-943.	4.5	168
1439	Mutations in the linker domain of NBD2 of SUR inhibit transduction but not nucleotide binding. <i>EMBO Journal</i> , 2002, 21, 4250-4258.	7.8	29
1440	Title is missing!. <i>Russian Journal of Genetics</i> , 2003, 39, 264-268.	0.6	8
1441	Recombinant <i>Pseudomonas putida</i> carrying both the dsz and hcu genes can desulfurize dibenzothiophene in n-tetradecane. <i>Biotechnology Letters</i> , 2003, 25, 1147-1150.	2.2	27
1442	Sensitization of cells overexpressing multidrug-resistant proteins by pluronic P85. <i>Pharmaceutical Research</i> , 2003, 20, 1581-1590.	3.5	115
1443	On the role of the two extracytoplasmic substrate-binding domains in the ABC transporter OpuA. <i>EMBO Journal</i> , 2003, 22, 5983-5993.	7.8	54
1444	Multidrug resistance-associated proteins: Export pumps for conjugates with glutathione, glucuronate or sulfate. <i>BioFactors</i> , 2003, 17, 103-114.	5.4	183
1445	Modulation of multidrug resistance-associated protein 1 (MRP1) by p53 mutant in Saos-2 cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2003, 51, 161-166.	2.3	22
1446	Sulphonylurea action revisited: the post-cloning era. <i>Diabetologia</i> , 2003, 46, 875-891.	6.3	270
1447	Structural Insights into the CFTR-NHERF Interaction. <i>Journal of Membrane Biology</i> , 2003, 192, 79-88.	2.1	17
1448	Definition of the domain boundaries is critical to the expression of the nucleotide-binding domains of P-glycoprotein. <i>European Biophysics Journal</i> , 2003, 32, 644-654.	2.2	12
1449	Using Technetium-99m Tetrofosmin Chest Imaging to Predict Taxol-Based Chemotherapy Response in Non-Small Cell Lung Cancer but Not Related to Lung Resistance Protein Expression. <i>Lung</i> , 2003, 181, 103-111.	3.3	13
1450	Comparing the Relationship of Taxol-Based Chemotherapy Response with P-glycoprotein and Lung Resistance-Related Protein Expression in Non-Small Cell Lung Cancer. <i>Lung</i> , 2003, 181, 267-273.	3.3	47
1451	Marine molluscs in environmental monitoring. <i>Helgoland Marine Research</i> , 2003, 57, 157-165.	1.3	29
1452	Marine molluscs in environmental monitoring. <i>Helgoland Marine Research</i> , 2003, 57, 212-219.	1.3	33

#	ARTICLE	IF	CITATIONS
1453	Channel-tunnels: outer membrane components of type I secretion systems and multidrug efflux pumps of Gram-negative bacteria. , 2003, 147, 122-165.		50
1454	Organic cation transporters. , 2003, 150, 36-90.		241
1455	Rad50/SMC proteins and ABC transporters: unifying concepts from high-resolution structures. Current Opinion in Structural Biology, 2003, 13, 249-255.	5.7	193
1456	Isolation of the <i>Pseudomonas aeruginosa</i> gene affecting uptake of dibenzothiophene in n-tetradecane. Journal of Bioscience and Bioengineering, 2003, 95, 504-511.	2.2	26
1457	P-glycoprotein expression in the cells of the immune system during aging. Clinical and Applied Immunology Reviews, 2003, 4, 59-70.	0.4	1
1458	Development, function and maintenance of T lymphocyte populations in P-glycoprotein-deficient mice. Clinical and Applied Immunology Reviews, 2003, 4, 49-58.	0.4	0
1459	Ribosomally synthesized peptides with antimicrobial properties: biosynthesis, structure, function, and applications. Biotechnology Advances, 2003, 21, 465-499.	11.7	242
1460	Effect of nitric oxide on cytotoxicity of Taxol: enhanced Taxol transcellular permeability. Biochemical Pharmacology, 2003, 66, 2193-2199.	4.4	30
1461	Kinetic analysis of fluorescein and dihydrofluorescein effluxes in tumour cells expressing the multidrug resistance protein, MRP1. Biochemical Pharmacology, 2003, 65, 969-977.	4.4	25
1462	Physiological and pathophysiological roles of ATP-sensitive K ⁺ channels. Progress in Biophysics and Molecular Biology, 2003, 81, 133-176.	2.9	451
1463	Mammalian drug efflux transporters of the ATP binding cassette (ABC) family: an overview. Advanced Drug Delivery Reviews, 2003, 55, 3-29.	13.7	1,259
1464	Functional genetic identification of PRP1, an ABC transporter superfamily member conferring pentamidine resistance in <i>Leishmania major</i> . Molecular and Biochemical Parasitology, 2003, 130, 83-90.	1.1	114
1465	Temporal and spatial profiles of ABCA2-expressing oligodendrocytes in the developing rat brain. Journal of Comparative Neurology, 2003, 455, 353-367.	1.6	41
1466	Purification and characterization of KpsT, the ATP-binding component of the ABC-capsule exporter of <i>Escherichia coli</i> K1. FEMS Microbiology Letters, 2003, 224, 113-118.	1.8	15
1467	Physiological consequences of drug resistance in <i>Leishmania</i> and their relevance for chemotherapy. , 2003, 2, 14.		37
1468	The Phenotypic Consequences of CFTR Mutations. Annals of Human Genetics, 2003, 67, 471-485.	0.8	296
1469	Frequency of C3435T single nucleotide MDR1 genetic polymorphism in an Asian population: phenotypic vs genotypic correlates. British Journal of Clinical Pharmacology, 2003, 56, 78-83.	2.4	102
1470	Multiple mechanisms account for variation in base-line sensitivity to azole fungicides in field isolates of <i>Mycosphaerella graminicola</i> . Pest Management Science, 2003, 59, 1333-1343.	3.4	63

#	ARTICLE	IF	CITATIONS
1471	Localization of the GSH-dependent photolabelling site of an agosterol A analog on human MRP1. British Journal of Pharmacology, 2003, 138, 1553-1561.	5.4	8
1472	An ABC transporter with a secondary-active multidrug translocator domain. Nature, 2003, 426, 866-870.	27.8	108
1473	ABCC6/MRP6 mutations: further insight into the molecular pathology of pseudoxanthoma elasticum. European Journal of Human Genetics, 2003, 11, 215-224.	2.8	57
1474	Detection of structural and functional asymmetries in P-glycoprotein by combining mutagenesis and H/D exchange measurements. Chemistry and Physics of Lipids, 2003, 122, 121-135.	3.2	13
1475	P-glycoprotein in autoimmune diseases. Autoimmunity Reviews, 2003, 3, 188-188.	5.8	0
1476	Communication between the Nucleotide Binding Domains of P-Glycoprotein Occurs via Conformational Changes that Involve Residue 508. Biochemistry, 2003, 42, 7780-7789.	2.5	12
1477	Pharmacogenomics of Membrane Transporters An Overview. , 2003, 227, 1-20.		5
1478	Intrinsic contributions of polar amino acid residues toward thermal stability of an ABC-ATPase of mesophilic origin. Protein Science, 2003, 12, 2118-2120.	7.6	5
1479	N-terminal transmembrane domain of the SUR controls trafficking and gating of Kir6 channel subunits. EMBO Journal, 2003, 22, 3833-3843.	7.8	156
1480	ABC-transporters: implications on drug resistance from microorganisms to human cancers. International Journal of Antimicrobial Agents, 2003, 22, 188-199.	2.5	255
1481	Leishmaniasis: efflux pumps and chemoresistance. International Journal of Antimicrobial Agents, 2003, 22, 352-357.	2.5	35
1482	THE SULFONYLUREA RECEPTOR: AN ABCC TRANSPORTER THAT ACTS AS AN ION CHANNEL REGULATOR. , 2003, , 551-575.		6
1483	The ATP-Binding Cassette Transporters: Structure, Function, and Gene Family Comparison between Rice and Arabidopsis. Plant Physiology, 2003, 131, 1169-1177.	4.8	209
1484	Three-dimensional Structures of the Mammalian Multidrug Resistance P-glycoprotein Demonstrate Major Conformational Changes in the Transmembrane Domains upon Nucleotide Binding. Journal of Biological Chemistry, 2003, 278, 8294-8299.	3.4	180
1485	Crystal Structures of the BtuF Periplasmic-binding Protein for Vitamin B12 Suggest a Functionally Important Reduction in Protein Mobility upon Ligand Binding. Journal of Biological Chemistry, 2003, 278, 8429-8434.	3.4	138
1486	A Role for P-Glycoprotein in Environmental Toxicology. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2003, 6, 279-288.	6.5	72
1487	SpaC and NisC, the Cyclases Involved in Subtilin and Nisin Biosynthesis, Are Zinc Proteins. Biochemistry, 2003, 42, 13613-13624.	2.5	76
1488	Drug transport and drug resistance in African trypanosomes. Drug Resistance Updates, 2003, 6, 281-290.	14.4	60

#	ARTICLE	IF	CITATIONS
1489	The Conserved Glutamate Residue Adjacent to the Walker-B Motif Is the Catalytic Base for ATP Hydrolysis in the ATP-binding Cassette Transporter BmrA. <i>Journal of Biological Chemistry</i> , 2003, 278, 47002-47008.	3.4	163
1490	Linking architecture to infrastructure. <i>Journal of Hepatology</i> , 2003, 38, 551-553.	3.7	0
1491	Characterization of the ABCA Transporter Subfamily: Identification of Prokaryotic and Eukaryotic Members, Phylogeny and Topology. <i>Journal of Molecular Biology</i> , 2003, 325, 259-274.	4.2	118
1492	A Specific Interaction Between the NBD of the ABC-transporter HlyB and a C-Terminal Fragment of its Transport Substrate Haemolysin A. <i>Journal of Molecular Biology</i> , 2003, 327, 1169-1179.	4.2	80
1493	Crystal Structure of the Nucleotide-binding Domain of the ABC-transporter Haemolysin B: Identification of a Variable Region Within ABC Helical Domains. <i>Journal of Molecular Biology</i> , 2003, 330, 333-342.	4.2	158
1494	The structures of BtuCD and MscS and their implications for transporter and channel function. <i>FEBS Letters</i> , 2003, 555, 111-115.	2.8	22
1495	Cloning of rat ABCA7 and its preferential expression in platelets. <i>Biochemical and Biophysical Research Communications</i> , 2003, 304, 777-782.	2.1	36
1496	ABCA10, a novel cholesterol-regulated ABCA6-like ABC transporter. <i>Biochemical and Biophysical Research Communications</i> , 2003, 306, 1089-1098.	2.1	47
1497	Effects of the testosterone metabolite dihydrotestosterone and 5 α -androstane-3 β ,17 β -diol on very long chain fatty acid metabolism in X-adrenoleukodystrophic fibroblasts. <i>Life Sciences</i> , 2003, 73, 1567-1575.	4.3	8
1498	Pseudoxanthoma elasticum: a clinical, histopathological, and molecular update. <i>Survey of Ophthalmology</i> , 2003, 48, 424-438.	4.0	149
1499	Differential enhancement of antidepressant penetration into the brain in mice with abcb1ab (mdr1ab) P-Glycoprotein gene disruption. <i>Biological Psychiatry</i> , 2003, 54, 840-846.	1.3	196
1500	Usefulness of chest single photon emission computed tomography with technetium-99m methoxyisobutylisonitrile to predict taxol based chemotherapy response in advanced non-small cell lung cancer. <i>Cancer Letters</i> , 2003, 199, 99-105.	7.2	16
1501	Characterization of the mouse Abcc12 gene and its transcript encoding an ATP-binding cassette transporter, an orthologue of human ABCC12. <i>Gene</i> , 2003, 310, 17-28.	2.2	43
1502	Isolation and characterisation of two multidrug resistance associated protein genes from maize. <i>Gene</i> , 2003, 315, 153-164.	2.2	21
1503	Role of Carboxylate Residues Adjacent to the Conserved Core Walker B Motifs in the Catalytic Cycle of Multidrug Resistance Protein 1 (ABCC1). <i>Journal of Biological Chemistry</i> , 2003, 278, 38537-38547.	3.4	72
1504	Adenosine triphosphate-binding cassette transporter genes in ageing and age-related diseases. <i>Ageing Research Reviews</i> , 2003, 2, 11-24.	10.9	42
1505	An atomic detail model for the human ATP binding cassette transporter P-glycoprotein derived from disulphide cross-linking and homology modeling. <i>FASEB Journal</i> , 2003, 17, 2287-2289.	0.5	112
1506	SUBSTRATE-BINDING SITES IN ABC TRANSPORTERS. , 2003, , 81-105.		8

#	ARTICLE	IF	CITATIONS
1507	CRYSTAL STRUCTURES OF PERIPLASMIC SOLUTE-BINDING PROTEINS IN ABC TRANSPORT COMPLEXES ILLUMINATE THEIR FUNCTION. , 2003, , 187-207.		23
1508	BACTERIAL MULTIDRUG RESISTANCE MEDIATED BY ABC TRANSPORTERS. , 2003, , 243-262.		5
1509	INVENTORY AND EVOLUTION OF FUNGAL ABC PROTEIN GENES. , 2003, , 279-293.		11
1510	THE PLANT ABC TRANSPORTER SUPERFAMILY: THE FUNCTIONS OF A FEW AND IDENTITIES OF MANY. , 2003, , 335-355.		9
1511	Functional Interaction between the Two Halves of the Photoreceptor-specific ATP Binding Cassette Protein ABCR (ABCA4). Journal of Biological Chemistry, 2003, 278, 39600-39608.	3.4	39
1512	ABC TRANSPORTERS IN MITOCHONDRIA. , 2003, , 515-531.		8
1513	THE CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR (ABCC7). , 2003, , 589-618.		24
1514	PHYLOGENETIC AND FUNCTIONAL CLASSIFICATION OF ABC (ATP-BINDING CASSETTE) SYSTEMS**ABSCISSE, a database of ABC systems, which includes functional, sequence and structural information, is available on the internet at the following address: www.pasteur.fr/recherche/unites/pmtg/abc/index.html . , 2003, , 3-35.		18
1515	Canalicular multispecific organic anion transporter ABCC2. , 2003, , 263-289.		2
1516	Type I Protein Secretion Systems in Gram-Negative Bacteria: Escherichia Coli Î±-Hemolysin Secretion. , 2003, , 121-139.		1
1517	Sitosterolemia: a gateway to new knowledge about cholesterol metabolism. Annals of Medicine, 2003, 35, 502-511.	3.8	44
1518	Molecular Analysis of the Copper-Transporting Efflux System CusCFBA of <i>Escherichia coli</i> . Journal of Bacteriology, 2003, 185, 3804-3812.	2.2	462
1519	Multidrug resistance proteins in rheumatoid arthritis, role in diseaseâ€modifying antirheumatic drug efficacy and inflammatory processes: an overview. Scandinavian Journal of Rheumatology, 2003, 32, 381-387.	1.1	0
1520	Transporter-Mediated Uptake of 2-Chloro- and 2-Hydroxybenzoate by <i>Pseudomonas</i> Strain D1. Applied and Environmental Microbiology, 2003, 69, 7401-7408.	3.1	39
1521	Novel Mechanism of Drug Resistance in Kala Azar Field Isolates. Journal of Infectious Diseases, 2003, 188, 600-607.	4.0	56
1522	The ATP Binding Cassette Multidrug Transporter LmrA and Lipid Transporter MsbA Have Overlapping Substrate Specificities. Journal of Biological Chemistry, 2003, 278, 35193-35198.	3.4	134
1523	ATP Binding to the First Nucleotide Binding Domain of Multidrug Resistance-associated Protein Plays a Regulatory Role at Low Nucleotide Concentration, whereas ATP Hydrolysis at the Second Plays a Dominant Role in ATP-dependent Leukotriene C4 Transport. Journal of Biological Chemistry, 2003, 278, 30764-30771.	3.4	46
1524	Transcriptional Control of Multidrug Resistance in the Yeast <i>Saccharomyces</i> . Progress in Molecular Biology and Translational Science, 2003, 73, 251-279.	1.9	93

#	ARTICLE	IF	CITATIONS
1525	Role of ALDP (ABCD1) and Mitochondria in X-Linked Adrenoleukodystrophy. <i>Molecular and Cellular Biology</i> , 2003, 23, 744-753.	2.3	126
1526	Modulation of J774.1 Macrophage L- Arginine Metabolism by Intracellular <i>Mycobacterium bovis</i> BCG. <i>Infection and Immunity</i> , 2003, 71, 1011-1015.	2.2	14
1527	A Postgenomic Appraisal of Osmotolerance in <i>Listeria monocytogenes</i> . <i>Applied and Environmental Microbiology</i> , 2003, 69, 1-9.	3.1	145
1528	An ATP-Binding Cassette Transporter GhWBC1 from Elongating Cotton Fibers. <i>Plant Physiology</i> , 2003, 133, 580-588.	4.8	68
1529	Organization and Expression of the <i>Bacillus subtilis</i> sigY Operon. <i>Journal of Biochemistry</i> , 2003, 134, 935-946.	1.7	22
1530	Analysis of the Frequent R1141X Mutation in the ABCC6 Gene in <i>Pseudoxanthoma Elasticum</i> . , 2003, 44, 1824.		36
1531	Mapping the Proteome of Barrel Medic (<i>Medicago truncatula</i>),. <i>Plant Physiology</i> , 2003, 131, 1104-1123.	4.8	217
1532	Reciprocal regulation of expression of the human adenosine 5'-triphosphate binding cassette, sub-family A, transporter 2 (ABCA2) promoter by the early growth response-1 (EGR-1) and Sp-family transcription factors. <i>Nucleic Acids Research</i> , 2003, 31, 1097-1107.	14.5	40
1533	Identification and Characterization of Genes Required for Biosynthesis and Transport of the Siderophore Vibrioferri in <i>Vibrio parahaemolyticus</i> . <i>Journal of Bacteriology</i> , 2003, 185, 6938-6949.	2.2	115
1534	Functional Similarities and Differences between <i>Candida albicans</i> Cdr1p and Cdr2p Transporters. <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 1543-1554.	3.2	50
1535	Secretion of Secondary Metabolites by ATP-Binding Cassette Transporters in Plant Cell Suspension Cultures. <i>Plant Physiology</i> , 2003, 131, 1161-1164.	4.8	58
1536	Involvement of CjMDR1, a plant multidrug-resistance-type ATP-binding cassette protein, in alkaloid transport in <i>Coptis japonica</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 751-756.	7.1	256
1537	Identification and Characterization of HtsA, a Second Heme-Binding Protein Made by <i>Streptococcus pyogenes</i> . <i>Infection and Immunity</i> , 2003, 71, 5962-5969.	2.2	77
1538	Loss of Multidrug Resistance Protein 1 Expression and Folate Efflux Activity Results in a Highly Concentrative Folate Transport in Human Leukemia Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 6680-6686.	3.4	73
1539	Nonsense mediated decay downregulates conserved alternatively spliced ABCC4 transcripts bearing nonsense codons. <i>Human Molecular Genetics</i> , 2003, 12, 99-109.	2.9	60
1540	The Distribution of Abcc6 in Normal Mouse Tissues Suggests Multiple Functions for this ABC Transporter. <i>Journal of Histochemistry and Cytochemistry</i> , 2003, 51, 887-902.	2.5	349
1541	Predicting Chemotherapy Response to Paclitaxel-Based Therapy in Advanced Non-Small-Cell Lung Cancer with P-Glycoprotein Expression. <i>Respiration</i> , 2003, 70, 32-35.	2.6	64
1542	Assessing Safety and Efficacy of Directed P-Glycoprotein Inhibition to Improve the Pharmacokinetic Properties of Saquinavir Coadministered with Ritonavir. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 304, 596-602.	2.5	42

#	ARTICLE	IF	CITATIONS
1543	Genetics of Bacteriocin Production in Lactic Acid Bacteria. , 2003, , 225-260.		3
1544	Peptides Induce ATP Hydrolysis at Both Subunits of the Transporter Associated with Antigen Processing. Journal of Biological Chemistry, 2003, 278, 29686-29692.	3.4	68
1545	Real-Time Reverse Transcription-PCR Expression Profiling of the Complete Human ATP-Binding Cassette Transporter Superfamily in Various Tissues. Clinical Chemistry, 2003, 49, 230-238.	3.2	239
1546	Genetics of Lactic Acid Bacteria. , 2003, , .		13
1547	Drug Binding in Human P-glycoprotein Causes Conformational Changes in Both Nucleotide-binding Domains. Journal of Biological Chemistry, 2003, 278, 1575-1578.	3.4	101
1548	The Dynamic Dimerization of the Yeast ADP/ATP Carrier in the Inner Mitochondrial Membrane Is Affected by Conserved Cysteine Residues. Journal of Biological Chemistry, 2003, 278, 26757-26764.	3.4	40
1549	Functional Characterization of Human Breast Cancer Resistance Protein (BCRP, ABCG2) Expressed in the Oocytes of <i>Xenopus laevis</i> . Molecular Pharmacology, 2003, 64, 1452-1462.	2.3	86
1550	The ATP Hydrolysis Cycle of the Nucleotide-binding Domain of the Mitochondrial ATP-binding Cassette Transporter Mdl1p. Journal of Biological Chemistry, 2003, 278, 26862-26869.	3.4	160
1551	Methanethiosulfonate Derivatives of Rhodamine and Verapamil Activate Human P-glycoprotein at Different Sites. Journal of Biological Chemistry, 2003, 278, 50136-50141.	3.4	72
1552	ABCB4 gene sequence variation in women with intrahepatic cholestasis of pregnancy. Journal of Medical Genetics, 2003, 40, 70e-70.	3.2	91
1553	Molecular Analysis of Phr Peptide Processing in <i>Bacillus subtilis</i> . Journal of Bacteriology, 2003, 185, 4861-4871.	2.2	53
1554	Transition State Analysis of the Coupling of Drug Transport to ATP Hydrolysis by P-glycoprotein. Journal of Biological Chemistry, 2003, 278, 52629-52640.	3.4	143
1555	Allosteric Modulation of Human P-glycoprotein. Journal of Biological Chemistry, 2003, 278, 18132-18139.	3.4	87
1556	Evidence for Two Interacting Ligand Binding Sites in Human Multidrug Resistance Protein 2 (ATP) Tj ETQq1 1 0.784314 rgBT /Overloc	3.4	177
1557	Antifungal Drug Resistance. Clinical Infectious Diseases, 2003, 36, S31-S41.	5.8	197
1558	Identification and characterization of novel pyoverdine synthesis genes in <i>Pseudomonas aeruginosa</i> . Microbiology (United Kingdom), 2003, 149, 833-842.	1.8	140
1559	Efflux and Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 1322-1332.	2.4	231
1560	Enhanced cytotoxicity and nuclear accumulation of doxorubicin-loaded nanospheres in human breast cancer MCF7 cells expressing MRP1. International Journal of Oncology, 2003, 23, 1195.	3.3	3

#	ARTICLE	IF	CITATIONS
1561	Novel Mechanism of Bacteriocin Secretion and Immunity Carried Out by Lactococcal Multidrug Resistance Proteins. <i>Journal of Biological Chemistry</i> , 2003, 278, 34291-34298.	3.4	84
1562	Steroid and bile acid conjugates are substrates of human multidrug-resistance protein (MRP) 4 (ATP-binding cassette C4). <i>Biochemical Journal</i> , 2003, 371, 361-367.	3.7	291
1563	Genomic structure of the NtPDR1 gene, harboring the two miniature inverted-repeat transposable elements, NtToya1 and NtStowaway101. <i>Genes and Genetic Systems</i> , 2003, 78, 409-418.	0.7	20
1564	Molecular/Cellular Processes and the Physiological Response to Pollution. , 0, , 83-133.		10
1565	Regulation of cell-surface major histocompatibility complex class I expression by the endopeptidase EC3.4.24.15 (thimet oligopeptidase). <i>Biochemical Journal</i> , 2003, 375, 111-120.	3.7	37
1566	The ABC Transporter MgAtr4 Is a Virulence Factor of <i>Mycosphaerella graminicola</i> that Affects Colonization of Substomatal Cavities in Wheat Leaves. <i>Molecular Plant-Microbe Interactions</i> , 2003, 16, 689-698.	2.6	72
1568	On the mechanism of solute uptake in <i>Pseudomonas</i> . <i>Frontiers in Bioscience - Landmark</i> , 2003, 8, s472-483.	3.0	34
1569	Functional Coupling between Sulfonylurea Receptor Type 1 and a Nonselective Cation Channel in Reactive Astrocytes from Adult Rat Brain. <i>Journal of Neuroscience</i> , 2003, 23, 8568-8577.	3.6	147
1570	The extracellular PHR peptide-Rap phosphatase signaling circuit of <i>Bacillus subtilis</i> . <i>Frontiers in Bioscience - Landmark</i> , 2003, 8, d32-45.	3.0	154
1571	Transferrin-iron uptake by gram-negative bacteria. <i>Frontiers in Bioscience - Landmark</i> , 2003, 8, d836-847.	3.0	65
1572	Maltose transport through the inner membrane of <i>Escherichia coli</i> . <i>Frontiers in Bioscience - Landmark</i> , 2003, 8, d652-660.	3.0	10
1574	Implications of P-glycoprotein for the Transport and Distribution of Drugs into the Brain. , 2004, , 63-72.		3
1575	Adrenoleukodystrophy. , 2004, , 258-265.		0
1576	Sensing and adapting to environmental stress: the archaeal tactic. <i>Frontiers in Bioscience - Landmark</i> , 2004, 9, 2909.	3.0	37
1577	Multidrug efflux systems in Gram-negative bacteria. <i>Brazilian Journal of Microbiology</i> , 2004, 35, 19.	2.0	29
1578	Efflux Mechanisms in the Central Nervous System: A Powerful Influence on Drug Distribution within the Brain. , 2004, , 83-97.		12
1579	Multidrug Resistance in Cancer Chemotherapy and Xenobiotic Protection Mediated by the Half ATP-Binding Cassette Transporter ABCG2. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2004, 4, 31-42.	7.0	71
1580	Immunotherapeutics for nosocomial infections. <i>Expert Opinion on Investigational Drugs</i> , 2004, 13, 673-679.	4.1	5

#	ARTICLE	IF	CITATIONS
1581	OppA, the Substrate-Binding Subunit of the Oligopeptide Permease, Is the Major Ecto-ATPase of <i>Mycoplasma hominis</i> . <i>Journal of Bacteriology</i> , 2004, 186, 1021-1028.	2.2	30
1582	Comparison of Wild-Type and Mutant <i>white eye</i> Alleles in Melon Fly (Diptera: Tephritidae). <i>Annals of the Entomological Society of America</i> , 2004, 97, 1018-1025.	2.5	0
1583	Post-transcriptional regulation of the <i>Bacillus subtilis</i> pst operon encoding a phosphate-specific ABC transporter. <i>Microbiology (United Kingdom)</i> , 2004, 150, 2619-2628.	1.8	39
1584	Cation- π Interactions as Determinants for Binding of the Compatible Solutes Glycine Betaine and Proline Betaine by the Periplasmic Ligand-binding Protein ProX from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 5588-5596.	3.4	112
1585	Interaction of ATP Sensor, cAMP Sensor, Ca ²⁺ Sensor, and Voltage-dependent Ca ²⁺ Channel in Insulin Granule Exocytosis. <i>Journal of Biological Chemistry</i> , 2004, 279, 7956-7961.	3.4	152
1586	Operon prediction by comparative genomics: an application to the <i>Synechococcus</i> sp. WH8102 genome. <i>Nucleic Acids Research</i> , 2004, 32, 2147-2157.	14.5	59
1587	Structural Basis for the Binding of Compatible Solutes by ProX from the Hyperthermophilic Archaeon <i>Archaeoglobus fulgidus</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 48270-48281.	3.4	58
1588	Mutations in ABCA4 result in accumulation of lipofuscin before slowing of the retinoid cycle: a reappraisal of the human disease sequence. <i>Human Molecular Genetics</i> , 2004, 13, 525-534.	2.9	231
1589	Expression and Regulation of Multiple Murine ATP-binding Cassette Transporter G1 mRNAs/Isoforms That Stimulate Cellular Cholesterol Efflux to High Density Lipoprotein. <i>Journal of Biological Chemistry</i> , 2004, 279, 45980-45989.	3.4	149
1590	Characterization of a Nucleotide-Binding Domain Associated with Neisserial Iron Transport. <i>Journal of Bacteriology</i> , 2004, 186, 3266-3269.	2.2	2
1591	Three Different Systems Participate in L-Cystine Uptake in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2004, 186, 4875-4884.	2.2	86
1592	ydaG and ydbA of <i>Lactococcus lactis</i> Encode a Heterodimeric ATP-binding Cassette-type Multidrug Transporter. <i>Journal of Biological Chemistry</i> , 2004, 279, 34449-34455.	3.4	54
1593	Gene Trapping with Firefly Luciferase in Arabidopsis. Tagging of Stress-Responsive Genes. <i>Plant Physiology</i> , 2004, 134, 18-27.	4.8	57
1594	Isolation of SOS Constitutive Mutants of <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2004, 186, 7149-7160.	2.2	77
1595	Phosphorylation by Protein Kinase CK2 Modulates the Activity of the ATP Binding Cassette A1 Transporter. <i>Journal of Biological Chemistry</i> , 2004, 279, 37779-37788.	3.4	62
1596	Identification of a Functionally Important Negatively Charged Residue Within the Second Catalytic Site of the SUR1 Nucleotide-Binding Domains. <i>Diabetes</i> , 2004, 53, S123-S127.	0.6	26
1597	The <i>bzd</i> Gene Cluster, Coding for Anaerobic Benzoate Catabolism, in <i>Azoarcus</i> sp. Strain CIB. <i>Journal of Bacteriology</i> , 2004, 186, 5762-5774.	2.2	111
1598	Conformational Transitions Induced by the Binding of MgATP to the Vitamin B12 ATP-binding Cassette (ABC) Transporter BtuCD. <i>Journal of Biological Chemistry</i> , 2004, 279, 45013-45019.	3.4	82

#	ARTICLE	IF	CITATIONS
1599	The Δ F508 Mutation Disrupts Packing of the Transmembrane Segments of the Cystic Fibrosis Transmembrane Conductance Regulator. <i>Journal of Biological Chemistry</i> , 2004, 279, 39620-39627.	3.4	81
1600	How do ABC transporters drive transport?. <i>Biological Chemistry</i> , 2004, 385, 927-933.	2.5	70
1601	Reversible Transport by the ATP-binding Cassette Multidrug Export Pump LmrA. <i>Journal of Biological Chemistry</i> , 2004, 279, 11273-11280.	3.4	60
1602	Binding of Sulfonylurea by AtMRP5, an Arabidopsis Multidrug Resistance-Related Protein That Functions in Salt Tolerance. <i>Plant Physiology</i> , 2004, 134, 528-538.	4.8	61
1603	H3 Domain of Syntaxin 1A Inhibits KATP Channels by Its Actions on the Sulfonylurea Receptor 1 Nucleotide-Binding Folds-1 and -2. <i>Journal of Biological Chemistry</i> , 2004, 279, 53259-53265.	3.4	34
1604	A 38-Kilobase Pathogenicity Island Specific for <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> Encodes Cell Surface Proteins Expressed in the Host. <i>Infection and Immunity</i> , 2004, 72, 1265-1274.	2.2	38
1605	AtNAP7 is a plastidic SufC-like ATP-binding cassette/ATPase essential for Arabidopsis embryogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 9143-9148.	7.1	133
1606	Targeting, Import, and Dimerization of a Mammalian Mitochondrial ATP Binding Cassette (ABC) Transporter, ABCB10 (ABC-me). <i>Journal of Biological Chemistry</i> , 2004, 279, 42954-42963.	3.4	60
1607	Apolipoprotein A-I-stimulated Apolipoprotein E Secretion from Human Macrophages Is Independent of Cholesterol Efflux. <i>Journal of Biological Chemistry</i> , 2004, 279, 25966-25977.	3.4	40
1608	Cys32 and His105 Are the Critical Residues for the Calcium-dependent Cysteine Proteolytic Activity of CvaB, an ATP-binding Cassette Transporter. <i>Journal of Biological Chemistry</i> , 2004, 279, 901-909.	3.4	50
1609	N-Retinylidene-phosphatidylethanolamine Is the Preferred Retinoid Substrate for the Photoreceptor-specific ABC Transporter ABCA4 (ABCR). <i>Journal of Biological Chemistry</i> , 2004, 279, 53972-53979.	3.4	151
1610	The genetic polymorphism of drug transporters: functional analysis approaches. <i>Pharmacogenomics</i> , 2004, 5, 67-99.	1.3	75
1611	Functional characterization of the <i>Escherichia coli</i> K-12 yiaMNO transport protein genes. <i>Molecular Membrane Biology</i> , 2004, 21, 51-57.	2.0	11
1612	Temporal expression profiles of organic anion transport proteins in placenta and fetal liver of the rat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004, 287, R1505-R1516.	1.8	57
1613	NtWBC1, an ABC transporter gene specifically expressed in tobacco reproductive organs. <i>Journal of Experimental Botany</i> , 2004, 55, 1643-1654.	4.8	24
1614	Disruption of AtMRP4, a guard cell plasma membrane ABCC-type ABC transporter, leads to deregulation of stomatal opening and increased drought susceptibility. <i>Plant Journal</i> , 2004, 39, 219-236.	5.7	141
1615	Comparative analysis of ATP-binding cassette (ABC) transporter gene expression levels in peripheral blood leukocytes and in liver with hepatocellular carcinoma. <i>Cancer Science</i> , 2004, 95, 530-536.	3.9	25
1616	Two FHA domains on an ABC transporter, Rv1747, mediate its phosphorylation by PknF, a Ser/Thr protein kinase from <i>Mycobacterium tuberculosis</i> . <i>FEMS Microbiology Letters</i> , 2004, 234, 215-223.	1.8	77

#	ARTICLE	IF	CITATIONS
1617	A Recombinant Glutamine-Binding Protein from <i>Escherichia coli</i> : Effect of Ligand-Binding on Protein Conformational Dynamics. <i>Biotechnology Progress</i> , 2004, 20, 1847-1854.	2.6	9
1618	P-glycoprotein inhibitors modulate accumulation and efflux of xenobiotics in extra and intracellular <i>Toxoplasma gondii</i> . <i>Molecular and Biochemical Parasitology</i> , 2004, 134, 89-95.	1.1	16
1619	The ABCs of drug transport in intestine and liver: efflux proteins limiting drug absorption and bioavailability. <i>European Journal of Pharmaceutical Sciences</i> , 2004, 21, 25-51.	4.0	531
1620	P-glycoprotein in autoimmune diseases. <i>Autoimmunity Reviews</i> , 2004, 3, 188-192.	5.8	47
1621	Sorting of lipoproteins to the outer membrane in <i>E. coli</i> . <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2004, 1693, 5-13.	4.1	188
1622	The underlying mechanisms of type II protein secretion. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2004, 1694, 163-179.	4.1	232
1623	Development and characterization of a recombinant madin-darby canine kidney cell line that expresses rat multidrug resistance-associated protein 1 (rMRP1). <i>AAPS PharmSci</i> , 2004, 6, 77-85.	1.3	10
1624	Insights into ABC Transport in Archaea. <i>Journal of Bioenergetics and Biomembranes</i> , 2004, 36, 5-15.	2.3	76
1625	Evaluation of Therapy of X-Linked Adrenoleukodystrophy. <i>Neurochemical Research</i> , 2004, 29, 1003-1016.	3.3	17
1626	Predicted ATP-binding cassette systems in the phytopathogenic mollicute <i>Spiroplasma kunkelii</i> . <i>Molecular Genetics and Genomics</i> , 2004, 271, 325-338.	2.1	12
1627	Enhanced functional and structural domain assignments using remote similarity detection procedures for proteins encoded in the genome of <i>Mycobacterium tuberculosis</i> H37Rv. <i>Journal of Biosciences</i> , 2004, 29, 245-259.	1.1	8
1628	Effect of Pluronic P85 on ATPase Activity of Drug Efflux Transporters. <i>Pharmaceutical Research</i> , 2004, 21, 2226-2233.	3.5	155
1629	Molecular Analysis of the xylFGH Operon, Coding for Xylose ABC Transport, in <i>Thermoanaerobacter ethanolicus</i> . <i>Current Microbiology</i> , 2004, 48, 295-299.	2.2	13
1630	Crystal structure of the ATP-binding cassette of multisugar transporter from <i>Pyrococcus horikoshii</i> OT3. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 57, 635-638.	2.6	15
1631	Binding of glutamine to glutamine-binding protein from <i>Escherichia coli</i> induces changes in protein structure and increases protein stability. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 58, 80-87.	2.6	30
1632	Function of the Antigen Transport Complex TAP in Cellular Immunity. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4014-4031.	13.8	17
1634	Changing Orders-Primary and Secondary Membrane Transporters Revised. <i>ChemBioChem</i> , 2004, 5, 1171-1175.	2.6	1
1635	Microbial export of lactic and 3-hydroxypropanoic acid: implications for industrial fermentation processes. <i>Metabolic Engineering</i> , 2004, 6, 245-255.	7.0	409

#	ARTICLE	IF	CITATIONS
1636	Caveolin-1 gene is coordinately regulated with the multidrug resistance 1 gene in normal and leukemic bone marrow. <i>Leukemia Research</i> , 2004, 28, 973-977.	0.8	42
1637	Identification of oligopeptide permease (opp) gene cluster in <i>Vibrio fluvialis</i> and characterization of biofilm production by oppA knockout mutation. <i>FEMS Microbiology Letters</i> , 2004, 240, 21-30.	1.8	34
1638	A variant 2677A allele of the gene affects fexofenadine disposition. <i>Clinical Pharmacology and Therapeutics</i> , 2004, 76, 418-427.	4.7	96
1639	Rapid Production of Chicken Egg Yolk Antibodies Against Multidrug Resistance-Associated Protein 1 (MRP-1). <i>Critical Reviews in Analytical Chemistry</i> , 2004, 34, 195-199.	3.5	0
1640	The ABCs of Immunology: Structure and Function of TAP, the Transporter Associated with Antigen Processing. <i>Physiology</i> , 2004, 19, 216-224.	3.1	153
1641	Characterization of YvcC (BmrA), a Multidrug ABC Transporter Constitutively Expressed in <i>Bacillus subtilis</i> . <i>Biochemistry</i> , 2004, 43, 7491-7502.	2.5	123
1642	Relevance of Peptide Uptake Systems to the Physiology and Virulence of <i>Streptococcus agalactiae</i> . <i>Journal of Bacteriology</i> , 2004, 186, 1398-1408.	2.2	68
1643	The Membrane-Associated Lipoprotein-9 GmpC from <i>Staphylococcus aureus</i> Binds the Dipeptide GlyMet via Side Chain Interactions. <i>Biochemistry</i> , 2004, 43, 16193-16202.	2.5	28
1644	Excretion of fluorescent substrates of mammalian multidrug resistance-associated protein (MRP) in the <i>Schistosoma mansoni</i> excretory system. <i>Parasitology</i> , 2004, 128, 43-52.	1.5	40
1645	Efflux-Mediated Drug Resistance in Bacteria. <i>Drugs</i> , 2004, 64, 159-204.	10.9	585
1646	Nucleotide-Dependent Conformational Changes in HisP: Molecular Dynamics Simulations of an ABC Transporter Nucleotide-Binding Domain. <i>Biophysical Journal</i> , 2004, 87, 3703-3715.	0.5	38
1647	THE ENGULFMENT PROCESS OF PROGRAMMED CELL DEATH IN <i>CAENORHABDITIS ELEGANS</i> . <i>Annual Review of Cell and Developmental Biology</i> , 2004, 20, 193-221.	9.4	229
1648	The ABC Transporters MDR1 and MRP2: Multiple Functions in Disposition of Xenobiotics and Drug Resistance. <i>Drug Metabolism Reviews</i> , 2004, 36, 669-701.	3.6	114
1649	The ABC transporter gene family of <i>Caenorhabditis elegans</i> has implications for the evolutionary dynamics of multidrug resistance in eukaryotes. <i>Genome Biology</i> , 2004, 5, R15.	9.6	170
1650	The mitochondrial ABC transporter Atm1p functions as a homodimer. <i>FEBS Letters</i> , 2004, 569, 65-69.	2.8	23
1651	Human ATP-binding cassette transporter-2 (ABCA2) positively regulates low-density lipoprotein receptor expression and negatively regulates cholesterol esterification in Chinese hamster ovary cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2004, 1683, 89-100.	2.4	45
1652	Computer simulations of membrane proteins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2004, 1666, 158-189.	2.6	217
1653	Mapping of the MRPm5 epitope to the cytosolic region between transmembrane helices 13 and 14 in the drug and organic anion transporter, MRP1 (ABCC1). <i>Biochemical and Biophysical Research Communications</i> , 2004, 315, 719-725.	2.1	7

#	ARTICLE	IF	CITATIONS
1654	Overexpression of caveolin-1 increases plasma membrane fluidity and reduces P-glycoprotein function in Hs578T/Dox. <i>Biochemical and Biophysical Research Communications</i> , 2004, 320, 868-874.	2.1	47
1655	Disulfiram is a potent modulator of multidrug transporter Cdr1p of <i>Candida albicans</i> . <i>Biochemical and Biophysical Research Communications</i> , 2004, 322, 520-525.	2.1	53
1656	Expression of ABCA3, a causative gene for fatal surfactant deficiency, is up-regulated by glucocorticoids in lung alveolar type II cells. <i>Biochemical and Biophysical Research Communications</i> , 2004, 323, 547-555.	2.1	48
1657	Expression and activity of the nucleotide-binding domains of the human ABCA1 transporter. <i>Protein Expression and Purification</i> , 2004, 35, 102-110.	1.3	8
1658	Enterococcal peptide sex pheromones: synthesis and control of biological activity. <i>Peptides</i> , 2004, 25, 1377-1388.	2.4	80
1659	Role of a <i>Fusarium culmorum</i> ABC transporter (FcABC1) during infection of wheat and barley. <i>Physiological and Molecular Plant Pathology</i> , 2004, 64, 245-254.	2.5	43
1660	Molecular aspects of medicine: from experimental to clinical hepatology. <i>Molecular Aspects of Medicine</i> , 2004, 25, 221-360.	6.4	55
1661	Dynamics of ATP-binding Cassette Contribute to Allosteric Control, Nucleotide Binding and Energy Transduction in ABC Transporters. <i>Journal of Molecular Biology</i> , 2004, 342, 525-537.	4.2	69
1662	Cryoelectron Microscopy Imaging of Recombinant and Tissue Derived Vaults: Localization of the MVP N Termini and VPARP. <i>Journal of Molecular Biology</i> , 2004, 344, 91-105.	4.2	85
1663	Overexpression of LaMDR2, a novel multidrug resistance ATP-binding cassette transporter, causes 5-fluorouracil resistance in <i>Leishmania amazonensis</i> . <i>FEBS Letters</i> , 2004, 561, 207-212.	2.8	19
1664	Progress in X-linked adrenoleukodystrophy. <i>Current Opinion in Neurology</i> , 2004, 17, 263-269.	3.6	63
1665	Genetic determinants of low high-density lipoprotein cholesterol. <i>Current Opinion in Cardiology</i> , 2004, 19, 380-384.	1.8	36
1666	P-glycoprotein expression is associated with FDG uptake and cell differentiation in patients with untreated lung cancer. <i>Nuclear Medicine Communications</i> , 2004, 25, 19-27.	1.1	23
1667	Use of bioinformatics and PCR in the search for ABC transporter homology among various bacteria. <i>British Journal of Biomedical Science</i> , 2004, 61, 182-185.	1.3	0
1668	Targeting the multidrug resistance-1 transporter in AML: molecular regulation and therapeutic strategies. <i>Blood</i> , 2004, 104, 1940-1951.	1.4	146
1669	Arginine482 to threonine mutation in the breast cancer resistance protein ABCG2 inhibits rhodamine 123 transport while increasing binding. <i>Biochemical Journal</i> , 2004, 382, 711-716.	3.7	58
1671	Genomics of <i>Candida albicans</i> . <i>Applied Mycology and Biotechnology</i> , 2004, 4, 99-135.	0.3	0
1672	Scavenger receptor BI and ATP-binding cassette transporter A1 in reverse cholesterol transport and atherosclerosis. <i>Current Opinion in Lipidology</i> , 2005, 16, 307-315.	2.7	147

#	ARTICLE	IF	CITATIONS
1673	Hexose/Pentose and Hexitol/Pentitol Metabolism. <i>EcoSal Plus</i> , 2005, 1, .	5.4	22
1674	A molecular understanding of the catalytic cycle of the nucleotide-binding domain of the ABC transporter HlyB. <i>Biochemical Society Transactions</i> , 2005, 33, 990-995.	3.4	25
1675	A molecular understanding of the catalytic cycle of the nucleotide-binding domain of the ABC transporter HlyB. <i>Biochemical Society Transactions</i> , 2005, 33, 990.	3.4	30
1676	Prediction of Pgp-ATPase interaction and rhodamine 123 efflux inhibitory activities of propafenone analogs using PLS statistics. <i>Computational and Theoretical Chemistry</i> , 2005, 718, 183-189.	1.5	3
1677	Pharmacogenomics and Systems Biology of Membrane Transporters. <i>Molecular Biotechnology</i> , 2005, 29, 75-88.	2.4	11
1678	EVOLUTION OF THE ATP-BINDING CASSETTE (ABC) TRANSPORTER SUPERFAMILY IN VERTEBRATES. <i>Annual Review of Genomics and Human Genetics</i> , 2005, 6, 123-142.	6.2	540
1679	Ascomycete communities in the rhizosphere of field-grown wheat are not affected by introductions of genetically modified <i>Pseudomonas putida</i> WCS358r. <i>Environmental Microbiology</i> , 2005, 7, 1775-1785.	3.8	23
1680	Identification of domain boundaries within the N-termini of TAP1 and TAP2 and their importance in tapasin binding and tapasin-mediated increase in peptide loading of MHC class I. <i>Immunology and Cell Biology</i> , 2005, 83, 475-482.	2.3	47
1681	Selamectin is a potent substrate and inhibitor of human and canine P-glycoprotein. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2005, 28, 257-265.	1.3	73
1682	A mitochondrial half-size ABC transporter is involved in cadmium tolerance in <i>Chlamydomonas reinhardtii</i> . <i>Plant, Cell and Environment</i> , 2005, 28, 863-873.	5.7	52
1683	Mutational analysis of the yeast multidrug resistance ABC transporter Pdr5p with altered drug specificity. <i>Genes To Cells</i> , 2005, 10, 409-420.	1.2	39
1684	Role of Cys-603 in dimer/oligomer formation of the breast cancer resistance protein BCRP/ABCG2. <i>Cancer Science</i> , 2005, 96, 866-872.	3.9	77
1685	Elastosis perforans serpiginosa-like pseudoxanthoma elasticum in a child with severe Moya Moya disease. <i>British Journal of Dermatology</i> , 2005, 153, 431-434.	1.5	23
1686	Overexpression of an <i>Arabidopsis thaliana</i> ABC transporter confers kanamycin resistance to transgenic plants. <i>Nature Biotechnology</i> , 2005, 23, 1177-1180.	17.5	123
1687	Pharmacokinetic variability of anticancer agents. <i>Nature Reviews Cancer</i> , 2005, 5, 447-458.	28.4	210
1688	H662 is the linchpin of ATP hydrolysis in the nucleotide-binding domain of the ABC transporter HlyB. <i>EMBO Journal</i> , 2005, 24, 1901-1910.	7.8	309
1689	Multidrug resistance in parasites: ABC transporters, P-glycoproteins and molecular modelling. <i>International Journal for Parasitology</i> , 2005, 35, 555-566.	3.1	66
1690	Quantitative structure activity relationship studies on the flavonoid mediated inhibition of multidrug resistance proteins 1 and 2. <i>Biochemical Pharmacology</i> , 2005, 69, 699-708.	4.4	168

#	ARTICLE	IF	CITATIONS
1691	Molecular mechanisms of reduced glutathione transport: role of the MRP/CFTR/ABCC and OATP/SLC21A families of membrane proteins. <i>Toxicology and Applied Pharmacology</i> , 2005, 204, 238-255.	2.8	223
1692	P-glycoprotein activity and biological response. <i>Toxicology and Applied Pharmacology</i> , 2005, 207, 257-260.	2.8	48
1693	Inhibition of P-glycoprotein-mediated transport by extracts of and monoterpenoids contained in <i>Zanthoxyla Fructus</i> . <i>Toxicology and Applied Pharmacology</i> , 2005, 209, 167-173.	2.8	53
1694	Genomic organization and effects of ivermectin selection on <i>Onchocerca volvulus</i> P-glycoprotein. <i>Molecular and Biochemical Parasitology</i> , 2005, 143, 58-66.	1.1	52
1695	Expression of variant luteinizing hormone/chorionic gonadotropin receptors and degradation of chorionic gonadotropin in human chorionic villous macrophages. <i>Placenta</i> , 2005, 26, 298-307.	1.5	15
1696	JACOP: a simple and robust method for the automated classification of protein sequences with modular architecture. <i>BMC Bioinformatics</i> , 2005, 6, 216.	2.6	22
1697	ABC transporter FtsABCD of <i>Streptococcus pyogenes</i> mediates uptake of ferric ferrichrome. <i>BMC Microbiology</i> , 2005, 5, 62.	3.3	50
1698	Multidrug resistance proteins (MRPs) and implication in drug development. <i>Drug Development Research</i> , 2005, 64, 1-18.	2.9	29
1699	Cloning of the netropsin resistance genes from <i>Streptomyces flavopersicus</i> NRRL 2820. <i>Journal of Basic Microbiology</i> , 2005, 45, 355-362.	3.3	4
1700	Recent Progress in Understanding the Mechanism of P-Glycoprotein-mediated Drug Efflux. <i>Journal of Membrane Biology</i> , 2005, 206, 173-185.	2.1	185
1701	Pharmacogenomics of the human ABC transporter ABCG2: from functional evaluation to drug molecular design. <i>Die Naturwissenschaften</i> , 2005, 92, 451-463.	1.6	50
1702	Binding site of activators of the cystic fibrosis transmembrane conductance regulator in the nucleotide binding domains. <i>Cellular and Molecular Life Sciences</i> , 2005, 62, 446-460.	5.4	110
1703	Some lessons from <i>Rickettsia</i> genomics. <i>FEMS Microbiology Reviews</i> , 2005, 29, 99-117.	8.6	75
1704	Inhibition of P-glycoprotein by natural products in human breast cancer cells. <i>Archives of Pharmacal Research</i> , 2005, 28, 823-828.	6.3	114
1705	ATP release via anion channels. <i>Purinergic Signalling</i> , 2005, 1, 311-328.	2.2	154
1706	Transport ATPases: Structure, Motors, Mechanism and Medicine: A Brief Overview. <i>Journal of Bioenergetics and Biomembranes</i> , 2005, 37, 349-357.	2.3	28
1707	Leishmania: papel de la glicoproteína P en la mediación de resistencia a medicamentos y estrategias de reversión. <i>Biomedica</i> , 2005, 25, 242.	0.7	4
1710	Lysophospholipid Flipping across the <i>Escherichia coli</i> Inner Membrane Catalyzed by a Transporter (LpIT) Belonging to the Major Facilitator Superfamily. <i>Journal of Biological Chemistry</i> , 2005, 280, 12028-12034.	3.4	58

#	ARTICLE	IF	CITATIONS
1711	Magnetic Resonance Contrast Agents: From the Bench to the Patient. <i>Current Pharmaceutical Design</i> , 2005, 11, 4079-4098.	1.9	38
1712	Dihidro-β-Agarofuran Sesquiterpenes: A New Class of Reversal Agents of the Multidrug Resistance Phenotype Mediated by P-Glycoprotein in the Protozoan Parasite <i>Leishmania</i> . <i>Current Pharmaceutical Design</i> , 2005, 11, 3125-3139.	1.9	46
1713	MDR/PGP Auxin Transport Proteins and Endocytic Cycling. , 0, , 159-176.		8
1714	Enhancement of Glutamine Utilization in <i>Bacillus subtilis</i> through the GlnK-GlnL Two-Component Regulatory System. <i>Journal of Bacteriology</i> , 2005, 187, 4813-4821.	2.2	45
1715	Reciprocal Regulation of Pyoluteorin Production with Membrane Transporter Gene Expression in <i>Pseudomonas fluorescens</i> Pf-5. <i>Applied and Environmental Microbiology</i> , 2005, 71, 6900-6909.	3.1	36
1716	Posttranslational Protein Modification in <i>Archaea</i> . <i>Microbiology and Molecular Biology Reviews</i> , 2005, 69, 393-425.	6.6	189
1717	ATP8B1 mutations in British cases with intrahepatic cholestasis of pregnancy. <i>Gut</i> , 2005, 54, 829-834.	12.1	127
1718	<i>Mycobacterium tuberculosis</i> with Disruption in Genes Encoding the Phosphate Binding Proteins PstS1 and PstS2 Is Deficient in Phosphate Uptake and Demonstrates Reduced In Vivo Virulence. <i>Infection and Immunity</i> , 2005, 73, 1898-1902.	2.2	105
1719	The specificity of oligopeptide transport by <i>Streptococcus thermophilus</i> resembles that of <i>Lactococcus lactis</i> and not that of pathogenic streptococci. <i>Microbiology (United Kingdom)</i> , 2005, 151, 1987-1994.	1.8	18
1720	Differential Sensitivities of the Human ATP-Binding Cassette Transporters ABCG2 and P-Glycoprotein to Cyclosporin A. <i>Molecular Pharmacology</i> , 2005, 67, 902-911.	2.3	60
1721	Complete Inventory of ABC Proteins in Human Pathogenic Yeast, <i>Candida albicans</i> . <i>Journal of Molecular Microbiology and Biotechnology</i> , 2005, 9, 3-15.	1.0	81
1722	Identification of a gene cluster encoding an arginine ATP-binding-cassette transporter in the genome of the thermophilic Gram-positive bacterium <i>Geobacillus stearothermophilus</i> strain DSMZ 13240. <i>Microbiology (United Kingdom)</i> , 2005, 151, 835-840.	1.8	13
1723	The streptococcal iron uptake (Siu) transporter is required for iron uptake and virulence in a zebrafish infection model. <i>Microbiology (United Kingdom)</i> , 2005, 151, 3749-3757.	1.8	45
1724	Genetic and Functional Analyses of the <i>Actinobacillus actinomycescomitans</i> AfeABCD Siderophore-Independent Iron Acquisition System. <i>Infection and Immunity</i> , 2005, 73, 3758-3763.	2.2	27
1725	<i>Pseudoxanthoma elasticum</i> : a clinical, pathophysiological and genetic update including 11 novel ABCC6 mutations. <i>Journal of Medical Genetics</i> , 2005, 42, 881-892.	3.2	259
1726	Reversible Silencing of CFTR Chloride Channels by Glutathionylation. <i>Journal of General Physiology</i> , 2005, 125, 127-141.	1.9	79
1727	Structural Basis of Energy Transduction in the Transport Cycle of MsbA. <i>Science</i> , 2005, 308, 1023-1028.	12.6	150
1728	GSH Inhibits Trypsinization of the C-terminal Half of Human MRP1. <i>Journal of Biological Chemistry</i> , 2005, 280, 6231-6237.	3.4	14

#	ARTICLE	IF	CITATIONS
1729	ATP hydrolysis is required to reset the ATP-binding cassette dimer into the resting-state conformation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 17969-17974.	7.1	131
1730	Comparative Genomic Analyses of the Bacterial Phosphotransferase System. Microbiology and Molecular Biology Reviews, 2005, 69, 608-634.	6.6	246
1731	Genetic Diversity and Horizontal Transfer of Genes Involved in Oxidation of Reduced Phosphorus Compounds by <i>Alcaligenes faecalis</i> WM2072. Applied and Environmental Microbiology, 2005, 71, 290-296.	3.1	31
1732	CeHMT-1, a Putative Phytochelatin Transporter, Is Required for Cadmium Tolerance in <i>Caenorhabditis elegans</i> . Journal of Biological Chemistry, 2005, 280, 23684-23690.	3.4	82
1733	A critical role of a carboxylate in proton conduction by the ATP-binding cassette multidrug transporter LmrA. FASEB Journal, 2005, 19, 1698-1700.	0.5	28
1734	Activating Cystic Fibrosis Transmembrane Conductance Regulator Channels with Pore Blocker Analogs. Journal of Biological Chemistry, 2005, 280, 23622-23630.	3.4	54
1735	NpPDR1, a Pleiotropic Drug Resistance-Type ATP-Binding Cassette Transporter from <i>Nicotiana glauca</i> , Plays a Major Role in Plant Pathogen Defense. Plant Physiology, 2005, 139, 341-352.	4.8	188
1736	Molecular diagnosis of ATP-binding cassette transporter-related diseases. Expert Review of Molecular Diagnostics, 2005, 5, 755-767.	3.1	11
1737	Biochemical and Structural Analysis of the <i>Bacillus subtilis</i> ABC Transporter OpuA and Its Isolated Subunits. Journal of Molecular Microbiology and Biotechnology, 2005, 10, 76-91.	1.0	18
1738	Multidrug resistance-associated protein MRP-1 regulates dauer diapause by its export activity in <i>Caenorhabditis elegans</i> . Development (Cambridge), 2005, 132, 3197-3207.	2.5	40
1739	ABCA5 Resides in Lysosomes, and ABCA5 Knockout Mice Develop Lysosomal Disease-Like Symptoms. Molecular and Cellular Biology, 2005, 25, 4138-4149.	2.3	76
1740	Liver X Receptors: Potential Novel Targets in Cardiovascular Diseases. Current Drug Targets Cardiovascular & Haematological Disorders, 2005, 5, 533-540.	2.0	20
1741	Role of <i>Mycobacterium tuberculosis</i> Ser/Thr Kinase PknF: Implications in Glucose Transport and Cell Division. Journal of Bacteriology, 2005, 187, 3415-3420.	2.2	87
1742	The Q-loop Disengages from the First Intracellular Loop during the Catalytic Cycle of the Multidrug ABC Transporter BmrA. Journal of Biological Chemistry, 2005, 280, 36857-36864.	3.4	46
1743	OusB, a Broad-Specificity ABC-Type Transporter from <i>Erwinia chrysanthemi</i> , Mediates Uptake of Glycine Betaine and Choline with a High Affinity. Applied and Environmental Microbiology, 2005, 71, 3389-3398.	3.1	20
1744	Long Term Azithromycin in Cystic Fibrosis: Another Possible Mechanism of Action?. Journal of Chemotherapy, 2005, 17, 393-400.	1.5	20
1745	Chapter 18 P-glycoproteins and xenobiotic efflux transport in fish. Biochemistry and Molecular Biology of Fishes, 2005, 6, 495-533.	0.5	21
1746	Does inhibition of P-glycoprotein lead to drug-drug interactions?. Toxicology Letters, 2005, 156, 319-329.	0.8	153

#	ARTICLE	IF	CITATIONS
1747	Bacterial resistance to antibiotics: Active efflux and reduced uptake. <i>Advanced Drug Delivery Reviews</i> , 2005, 57, 1486-1513.	13.7	369
1748	A novel ABC transporter gene ABC2 involved in multidrug susceptibility but not pathogenicity in rice blast fungus, <i>Magnaporthe grisea</i> . <i>Pesticide Biochemistry and Physiology</i> , 2005, 81, 13-23.	3.6	38
1749	Enhancement of the Efficiency of Secretion of Heterologous Lipase in <i>Escherichia coli</i> by Directed Evolution of the ABC Transporter System. <i>Applied and Environmental Microbiology</i> , 2005, 71, 3468-3474.	3.1	29
1750	Preliminary Results for GAMI: A Genetic Algorithms Approach to Motif Inference. , 2005, , .		31
1751	N-Linked Glycosylation of the Human ABC Transporter ABCG2 on Asparagine 596 Is Not Essential for Expression, Transport Activity, or Trafficking to the Plasma Membrane. <i>Biochemistry</i> , 2005, 44, 5420-5429.	2.5	108
1752	Fluorescence Properties of Glutamine-Binding Protein from <i>Escherichia coli</i> and Its Complex with Glutamine. <i>Journal of Proteome Research</i> , 2005, 4, 417-423.	3.7	15
1753	The MntC Crystal Structure Suggests that Import of Mn ²⁺ in Cyanobacteria is Redox Controlled. <i>Journal of Molecular Biology</i> , 2005, 348, 961-969.	4.2	56
1754	Secretion systems for secondary metabolites: how producer cells send out messages of intercellular communication. <i>Current Opinion in Microbiology</i> , 2005, 8, 282-293.	5.1	163
1755	Isolation of white gene orthologue of the sawfly, <i>Athalia rosae</i> (Hymenoptera) and its functional analysis using RNA interference. <i>Insect Biochemistry and Molecular Biology</i> , 2005, 35, 231-240.	2.7	21
1756	Function of prokaryotic and eukaryotic ABC proteins in lipid transport. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2005, 1733, 29-52.	2.4	130
1757	The overexpression of an intracellular ABCA-like transporter alters phospholipid trafficking in <i>Leishmania</i> . <i>Biochemical and Biophysical Research Communications</i> , 2005, 330, 349-355.	2.1	36
1758	Tyrosine kinase inhibitor resistance in cancer: role of ABC multidrug transporters. <i>Drug Resistance Updates</i> , 2005, 8, 15-26.	14.4	134
1759	Function and distribution of the SUR isoforms and splice variants. <i>Journal of Molecular and Cellular Cardiology</i> , 2005, 39, 51-60.	1.9	87
1760	An association between ATP binding cassette systems, genome sizes and lifestyles of bacteria. <i>Research in Microbiology</i> , 2005, 156, 434-442.	2.1	18
1761	Contribution of the pfmdr1 gene to antimalarial drug-resistance. <i>Acta Tropica</i> , 2005, 94, 181-190.	2.0	232
1762	Analysis of allosteric signal transduction mechanisms in an engineered fluorescent maltose biosensor. <i>Protein Science</i> , 2005, 14, 284-291.	7.6	46
1763	A Salt-Bridge Motif Involved in Ligand Binding and Large-Scale Domain Motions of the Maltose-Binding Protein. <i>Biophysical Journal</i> , 2005, 89, 3362-3371.	0.5	65
1764	The Role of P-Glycoprotein and Organic Anion-Transporting Polypeptides in Drug Interactions. <i>Drug Safety</i> , 2005, 28, 789-801.	3.2	71

#	ARTICLE	IF	CITATIONS
1765	In Vitro Functional Characterization of BtuCD-F, the Escherichia coli ABC Transporter for Vitamin B12 Uptake. Biochemistry, 2005, 44, 16301-16309.	2.5	146
1766	Biosynthesis and Mode of Action of Lantibiotics. Chemical Reviews, 2005, 105, 633-684.	47.7	681
1767	Mechanisms of Drug Resistance in Cancer Chemotherapy. Medical Principles and Practice, 2005, 14, 35-48.	2.4	500
1768	The Genetics of ATP-Binding Cassette Transporters. Methods in Enzymology, 2005, 400, 409-429.	1.0	142
1769	Yeast ATP-Binding Cassette Transporters: Cellular Cleaning Pumps. Methods in Enzymology, 2005, 400, 460-484.	1.0	70
1770	The Genus Actinobacillus. , 2006, , 1094-1118.		1
1771	Identification of the σ^E regulon of Salmonella enterica serovar Typhimurium. Microbiology (United Kingdom), 2006, 152, 1099-1107.	2.8	77
1772	Stimulation of the ATPase activity of the yeast mitochondrial ABC transporter Atm1p by thiol compounds. Molecular Membrane Biology, 2006, 23, 173-184.	2.0	70
1773	Structure, Function, Expression, Genomic Organization, and Single Nucleotide Polymorphisms of Human ABCB1 (MDR1), ABCC (MRP), and ABCG2 (BCRP) Efflux Transporters. International Journal of Toxicology, 2006, 25, 231-259.	1.2	353
1774	Identification, Sequence Analysis and mRNA Tissue Distribution of the Bovine Sterol Transporters ABCG5 and ABCG8. Journal of Dairy Science, 2006, 89, 553-561.	3.4	18
1775	Bivalent Probes of the Human Multidrug Transporter P-Glycoprotein. Biochemistry, 2006, 45, 11695-11702.	2.5	36
1776	Molecular Dynamics Simulations of E. coli MsbA Transmembrane Domain: Formation of a Semipore Structure. Biophysical Journal, 2006, 91, 2517-2531.	0.5	22
1778	Comparison of Species Differences of P-Glycoproteins in Beagle Dog, Rhesus Monkey, and Human Using ATPase Activity Assays. Molecular Pharmaceutics, 2006, 3, 78-86.	4.6	49
1779	Modulator-Induced Interference in Functional Cross Talk between the Substrate and the ATP Sites of Human P-glycoprotein. Biochemistry, 2006, 45, 2739-2751.	2.5	18
1780	Maltose and Maltodextrin Utilization by Bacillus subtilis. Journal of Bacteriology, 2006, 188, 3911-3922.	2.2	78
1781	Glutamine-Binding Protein from Escherichia Coli Specifically Binds a Wheat Gliadin Peptide. 2. Resonance Energy Transfer Studies Suggest a New Sensing Approach for an Easy Detection of Wheat Gliadin. Journal of Proteome Research, 2006, 5, 2083-2086.	3.7	13
1782	Thermodynamics of the ATPase Cycle of GlcV, the Nucleotide-Binding Domain of the Glucose ABC Transporter of Sulfolobus solfataricus. Biochemistry, 2006, 45, 15056-15067.	2.5	14
1783	A Gain-of-Function Mutation in the Arabidopsis Pleiotropic Drug Resistance Transporter PDR9 Confers Resistance to Auxinic Herbicides. Plant Physiology, 2006, 142, 63-74.	4.8	147

#	ARTICLE	IF	CITATIONS
1784	Molecular Basis for Differential Nucleotide Binding of the Nucleotide-Binding Domain of ABC-Transporter CvaB. <i>Biochemistry</i> , 2006, 45, 14473-14480.	2.5	12
1785	Interaction of the Nucleotide Binding Domains and Regulation of the ATPase Activity of the Human Retina Specific ABC Transporter, ABCR. <i>Biochemistry</i> , 2006, 45, 3813-3823.	2.5	13
1786	Inhibition of P-glycoprotein-mediated transport by terpenoids contained in herbal medicines and natural products. <i>Food and Chemical Toxicology</i> , 2006, 44, 2033-2039.	3.6	73
1787	Molecular insights into the mechanism of ATP-hydrolysis by the NBD of the ABC-transporter HlyB. <i>FEBS Letters</i> , 2006, 580, 1036-1041.	2.8	53
1788	Modulation of the antigen transport machinery TAP by friends and enemies. <i>FEBS Letters</i> , 2006, 580, 1156-1163.	2.8	53
1789	ABC transporter architecture and regulatory roles of accessory domains. <i>FEBS Letters</i> , 2006, 580, 1023-1035.	2.8	191
1790	The A-loop, a novel conserved aromatic acid subdomain upstream of the Walker A motif in ABC transporters, is critical for ATP binding. <i>FEBS Letters</i> , 2006, 580, 1049-1055.	2.8	146
1791	Genomics of plant ABC transporters: The alphabet of photosynthetic life forms or just holes in membranes?. <i>FEBS Letters</i> , 2006, 580, 1010-1016.	2.8	66
1792	Lipidomic strategies to study structural and functional defects of ABC-transporters in cellular lipid trafficking. <i>FEBS Letters</i> , 2006, 580, 5597-5610.	2.8	20
1793	Regulation of cholesterol homeostasis in macrophages and consequences for atherosclerotic lesion development. <i>FEBS Letters</i> , 2006, 580, 5588-5596.	2.8	107
1794	ABC A-subfamily transporters: Structure, function and disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2006, 1762, 510-524.	3.8	158
1795	The nitrate/nitrite ABC transporter of <i>Phormidium lamosum</i> : Phosphorylation state of NrtA is not involved in its substrate binding activity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2006, 1760, 172-181.	2.4	16
1796	Purification and properties of NrtC and NrtD, the ATP-binding subunits of the ABC nitrate/nitrite transporter of <i>Phormidium lamosum</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2006, 1760, 1819-1826.	2.4	1
1797	Glycosphingolipids and drug resistance. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006, 1758, 2096-2103.	2.6	98
1798	A novel cell model to study the function of the adrenoleukodystrophy-related protein. <i>Biochemical and Biophysical Research Communications</i> , 2006, 341, 150-157.	2.1	8
1799	Identification and characterization of a putative ABC transporter PltHIJKN required for pyoluteorin production in <i>Pseudomonas</i> sp. M18. <i>Gene</i> , 2006, 376, 68-78.	2.2	41
1800	The ATP-binding cassette transporter ABCA2 as a mediator of intracellular trafficking. <i>Biomedicine and Pharmacotherapy</i> , 2006, 60, 587-592.	5.6	35
1801	The role of the human ABCG2 multidrug transporter and its variants in cancer therapy and toxicology. <i>Cancer Letters</i> , 2006, 234, 62-72.	7.2	36

#	ARTICLE	IF	CITATIONS
1802	Molecular modeling of new camptothecin analogues to circumvent ABCG2-mediated drug resistance in cancer. <i>Cancer Letters</i> , 2006, 234, 81-89.	7.2	47
1803	Prognostic significance of multidrug resistance-related proteins in childhood acute lymphoblastic leukaemia. <i>European Journal of Cancer</i> , 2006, 42, 295-309.	2.8	69
1804	Hijacking of a Substrate-binding Protein Scaffold for use in Mycobacterial Cell Wall Biosynthesis. <i>Journal of Molecular Biology</i> , 2006, 359, 983-997.	4.2	23
1805	Bacteriocins: Biological tools for bio-preservation and shelf-life extension. <i>International Dairy Journal</i> , 2006, 16, 1058-1071.	3.0	539
1806	New light on multidrug binding by an ATP-binding-cassette transporter. <i>Trends in Pharmacological Sciences</i> , 2006, 27, 195-203.	8.7	57
1807	Identification of the bovine cholesterol efflux regulatory protein ABCA1 and its expression in various tissues ¹ . <i>Journal of Animal Science</i> , 2006, 84, 2887-2894.	0.5	21
1808	Class I MHC Antigen Processing. , 2006, , 1-30.		0
1809	Interaction of Drug Transporters with Excipients. , 0, , 1-31.		3
1811	Reading and Writing the Blood-Brain Barrier: Relevance to Therapeutics. <i>Recent Patents on CNS Drug Discovery</i> , 2006, 1, 157-173.	0.9	10
1812	G2677T and C3435T Genotype and Haplotype Are Associated With Hepatic ABCB1 (MDR1) Expression. <i>Journal of Clinical Pharmacology</i> , 2006, 46, 373-379.	2.0	49
1813	ATP-binding cassette transporter G1 and lipid homeostasis. <i>Current Opinion in Lipidology</i> , 2006, 17, 227-232.	2.7	65
1814	Role of Iron in Neurodegenerative Disorders. <i>Topics in Magnetic Resonance Imaging</i> , 2006, 17, 5-17.	1.2	197
1816	Crystallization and preliminary X-ray diffraction analysis of human phosphate-binding protein. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006, 62, 67-69.	0.7	10
1817	The human ortholog of the rodent testis-specific ABC transporter Abca17 is a ubiquitously expressed pseudogene (ABCA17P) and shares a common 5' end with ABCA3. <i>BMC Molecular Biology</i> , 2006, 7, 28.	3.0	19
1818	Prediction of EF-hand calcium-binding proteins and analysis of bacterial EF-hand proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 65, 643-655.	2.6	136
1819	Impact of fungal drug transporters on fungicide sensitivity, multidrug resistance and virulence. <i>Pest Management Science</i> , 2006, 62, 195-207.	3.4	171
1820	Peroxisomal Disorders: Genotype, Phenotype, Major Neuropathologic Lesions, and Pathogenesis. <i>Brain Pathology</i> , 1998, 8, 101-120.	4.1	185
1821	Peptide uptake in the ectomycorrhizal fungus <i>Hebeloma cylindrosporum</i> : characterization of two diâ€• and tripeptide transporters (HcPTR2A and B). <i>New Phytologist</i> , 2006, 170, 401-410.	7.3	46

#	ARTICLE	IF	CITATIONS
1822	AHCâ€52, a Dihydropyridine Compound with Chloride Current Blocking and Cardioprotective Activities. Cardiovascular Drug Reviews, 2000, 18, 93-102.	4.1	7
1823	Abc1: a new ABC transporter from the fission yeast Schizosaccharomyces pombe. FEMS Microbiology Letters, 2006, 147, 97-102.	1.8	10
1824	The general amino acid permease of Rhizobium leguminosarum strain 3841 is negatively regulated by the Ntr system. FEMS Microbiology Letters, 2006, 152, 57-64.	1.8	12
1825	Analysis of non-polar deletion mutations in the genes of the spo0K (opp) operon of Bacillus subtilis. FEMS Microbiology Letters, 2006, 153, 63-69.	1.8	24
1826	Ectoine functions as an osmoprotectant in Bacillus subtilis and is accumulated via the ABC-transport system OpuC. FEMS Microbiology Letters, 2006, 154, 325-330.	1.8	55
1827	Analysis of the G93E mutant allele of KpsM, the membrane component of an ABC transporter involved in polysialic acid translocation in Escherichia coli K1. FEMS Microbiology Letters, 2006, 156, 217-222.	1.8	7
1828	ABCdb: an online resource for ABC transporter repertoires from sequenced archaeal and bacterial genomes. FEMS Microbiology Letters, 2006, 256, 333-339.	1.8	37
1829	The nonâ€typeable <i>Haemophilus influenzae</i> Sap transporter provides a mechanism of antimicrobial peptide resistance and SapDâ€dependent potassium acquisition. Molecular Microbiology, 2006, 62, 1357-1372.	2.5	69
1830	Transcriptional response of Choristoneura fumiferana to sublethal exposure of Cry1Ab protoxin from Bacillus thuringiensis. Insect Molecular Biology, 2006, 15, 475-483.	2.0	28
1831	Targeting multidrug resistance in cancer. Nature Reviews Drug Discovery, 2006, 5, 219-234.	46.4	3,098
1832	A structural analysis of asymmetry required for catalytic activity of an ABC-ATPase domain dimer. EMBO Journal, 2006, 25, 3432-3443.	7.8	140
1833	Compound Heterozygous Mutations Including a De Novo Missense Mutation in ABCA12 Led to a Case of Harlequin Ichthyosis with Moderate Clinical Severity. Journal of Investigative Dermatology, 2006, 126, 1518-1523.	0.7	47
1834	Small molecule pharmacological chaperones: From thermodynamic stabilization to pharmaceutical drugs. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2006, 1764, 1677-1687.	2.3	129
1835	A simplified model to predict P-glycoprotein interacting drugs from 3D molecular interaction field. International Journal of Pharmaceutics, 2006, 309, 109-114.	5.2	6
1836	Enhanced bioavailability of tamoxifen after oral administration of tamoxifen with quercetin in rats. International Journal of Pharmaceutics, 2006, 313, 144-149.	5.2	152
1837	Heterologous Expression of a Mammalian ABC Transporter in Plant and its Application to Phytoremediation. Plant Molecular Biology, 2006, 61, 491-503.	3.9	37
1839	Proteolytic systems of lactic acid bacteria. Applied Microbiology and Biotechnology, 2006, 71, 394-406.	3.6	530
1840	Molecular characterisation of ABC transporter type FtsE and FtsX proteins of Mycobacterium tuberculosis. Archives of Microbiology, 2006, 185, 147-158.	2.2	16

#	ARTICLE	IF	CITATIONS
1841	TAP and TAP-like " Brothers in arms?. Naunyn-Schmiedeberg's Archives of Pharmacology, 2006, 372, 444-450.	3.0	15
1842	In silico identification of silkworm selenoproteomes. Science Bulletin, 2006, 51, 2860-2867.	1.7	4
1843	Multidrug resistance-related phenotype and apoptosis-related protein expression in ovarian serous carcinomas. Gynecologic Oncology, 2006, 100, 152-159.	1.4	61
1844	Leishmania amazonensis: Metabolic adaptations induced by resistance to an ABC transporter blocker. Experimental Parasitology, 2006, 114, 1-9.	1.2	19
1845	The power of the pump: Mechanisms of action of P-glycoprotein (ABCB1). European Journal of Pharmaceutical Sciences, 2006, 27, 392-400.	4.0	196
1846	X-linked adrenoleukodystrophy: Clinical, biochemical and pathogenetic aspects. Biochimica Et Biophysica Acta - Molecular Cell Research, 2006, 1763, 1721-1732.	4.1	159
1847	The ins and outs of peroxisomes: Co-ordination of membrane transport and peroxisomal metabolism. Biochimica Et Biophysica Acta - Molecular Cell Research, 2006, 1763, 1527-1540.	4.1	75
1848	Serendipitous Discovery and X-Ray Structure of a Human Phosphate Binding Apolipoprotein. Structure, 2006, 14, 601-609.	3.3	79
1849	Influence of vitamin E TPGS poly(ethylene glycol) chain length on apical efflux transporters in Caco-2 cell monolayers. Journal of Controlled Release, 2006, 111, 35-40.	9.9	165
1850	Identification and characterization of EhABC A1, an Entamoeba histolytica Group A ABC transporter with similarity to Ced-7. Molecular and Biochemical Parasitology, 2006, 146, 272-276.	1.1	1
1851	Identification and expression analysis of ABC protein-encoding genes in Toxoplasma gondii. Molecular and Biochemical Parasitology, 2006, 147, 177-192.	1.1	12
1852	Intracellular location of the ABC transporter PRP1 related to pentamidine resistance in Leishmania major. Molecular and Biochemical Parasitology, 2006, 150, 378-383.	1.1	21
1853	The electro-oculogram. Progress in Retinal and Eye Research, 2006, 25, 207-248.	15.5	63
1854	Effects of citronellal, a monoterpenoid in Zanthoxyl Fructus, on the intestinal absorption of digoxin in vitro and in vivo. Journal of Pharmaceutical Sciences, 2006, 95, 552-560.	3.3	5
1855	Individualizing analgesic prescription. Part II: pharmacogenetics of anti-inflammatory analgesics and co-analgesics. Personalized Medicine, 2006, 3, 271-297.	1.5	4
1856	Deletion of znuA Virulence Factor Attenuates Brucella abortus and Confers Protection against Wild-Type Challenge. Infection and Immunity, 2006, 74, 3874-3879.	2.2	88
1857	Multidrug-Resistance (MDR) Proteins Develops Refractory Epilepsy Phenotype:Clinical and Experimental Evidences. Current Drug Therapy, 2006, 1, 291-309.	0.3	23
1858	Allosteric Modulation Bypasses the Requirement for ATP Hydrolysis in Regenerating Low Affinity Transition State Conformation of Human P-glycoprotein. Journal of Biological Chemistry, 2006, 281, 10769-10777.	3.4	16

#	ARTICLE	IF	CITATIONS
1859	Molecular cloning and characterization of a novel ABC transporter gene in the human pathogen <i>Trichophyton rubrum</i> . <i>Medical Mycology</i> , 2006, 44, 141-147.	0.7	44
1860	In vitro Cytotoxicity of Norditerpenoid Alkaloids. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2006, 61, 11-18.	1.4	26
1861	Combination of Suboptimal Doses of Inhibitors Targeting Different Domains of LtrMDR1 Efficiently Overcomes Resistance of <i>Leishmania</i> spp. to Miltefosine by Inhibiting Drug Efflux. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 3102-3110.	3.2	45
1862	AtATM3 Is Involved in Heavy Metal Resistance in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2006, 140, 922-932.	4.8	270
1863	Transport Mechanism-Based Drug Molecular Design: Novel Camptothecin Analogues to Circumvent ABCG2-associated Drug Resistance of Human Tumor Cells. <i>Current Pharmaceutical Design</i> , 2006, 12, 313-325.	1.9	22
1864	Defenses against Oxidative Stress in <i>Neisseria gonorrhoeae</i> : a System Tailored for a Challenging Environment. <i>Microbiology and Molecular Biology Reviews</i> , 2006, 70, 344-361.	6.6	128
1865	4-Chlorobenzoate Uptake in <i>Comamonas</i> sp. Strain DJ-12 Is Mediated by a Tripartite ATP-Independent Periplasmic Transporter. <i>Journal of Bacteriology</i> , 2006, 188, 8407-8412.	2.2	25
1866	Functional Asymmetry of Nucleotide-binding Domains in ABCG5 and ABCG8. <i>Journal of Biological Chemistry</i> , 2006, 281, 4507-4516.	3.4	44
1867	From Bacteria to Man: Archaic Proton-Dependent Peptide Transporters at Work. <i>Physiology</i> , 2006, 21, 93-102.	3.1	170
1868	Structure and mode of action of RTX toxins. , 2006, , 547-569.		8
1869	Membrane Topology of the Transporter Associated with Antigen Processing (TAP1) within an Assembled Functional Peptide-loading Complex. <i>Journal of Biological Chemistry</i> , 2006, 281, 6455-6462.	3.4	45
1870	A Functional Role of Intracellular Loops of Human Multidrug Resistance Protein 1. <i>Journal of Biochemistry</i> , 2006, 140, 313-318.	1.7	13
1871	Isolation of a novel ABC-transporter gene from soybean induced by salicylic acid. <i>Journal of Experimental Botany</i> , 2006, 57, 2193-2201.	4.8	73
1872	Kinetics of the ATP Hydrolysis Cycle of the Nucleotide-binding Domain of Mdl1 Studied by a Novel Site-specific Labeling Technique. <i>Journal of Biological Chemistry</i> , 2006, 281, 5694-5701.	3.4	28
1873	Identification, Mutagenesis, and Transcriptional Analysis of the Methanesulfonate Transport Operon of <i>Methylosulfonomonas methylovora</i> . <i>Applied and Environmental Microbiology</i> , 2006, 72, 276-283.	3.1	11
1874	Modulation of <i>Leishmania</i> ABC Protein Gene Expression through Life Stages and among Drug-Resistant Parasites. <i>Eukaryotic Cell</i> , 2006, 5, 1713-1725.	3.4	97
1875	Heat Shock Protein 70 Is Secreted from Tumor Cells by a Nonclassical Pathway Involving Lysosomal Endosomes. <i>Journal of Immunology</i> , 2006, 177, 7849-7857.	0.8	319
1876	The ABC Transporter Protein OppA Provides Protection against Experimental <i>Yersinia pestis</i> Infection. <i>Infection and Immunity</i> , 2006, 74, 3687-3691.	2.2	60

#	ARTICLE	IF	CITATIONS
1877	Single nucleotide polymorphisms in human P-glycoprotein: its impact on drug delivery and disposition. Expert Opinion on Drug Delivery, 2006, 3, 23-35.	5.0	23
1878	Membrane Ion Channels and Diabetes. Current Pharmaceutical Design, 2006, 12, 485-501.	1.9	30
1879	The Amino Terminus of the Human Multidrug Resistance Transporter ABCC1 Has a U-shaped Folding with a Gating Function. Journal of Biological Chemistry, 2006, 281, 31152-31163.	3.4	21
1880	Engineering ATPase Activity in the Isolated ABC Cassette of Human TAP1. Journal of Biological Chemistry, 2006, 281, 27471-27480.	3.4	28
1881	Domain and Nucleotide Dependence of the Interaction between Saccharomyces cerevisiae Translation Elongation Factors 3 and 1A. Journal of Biological Chemistry, 2006, 281, 32318-32326.	3.4	34
1882	Variations on a Gene: Rare and Common Variants in ABCA1 and Their Impact on HDL Cholesterol Levels and Atherosclerosis. Annual Review of Nutrition, 2006, 26, 105-129.	10.1	139
1883	Human ABC Transporter ABCG2 in Xenobiotic Protection and Redox Biology. Drug Metabolism Reviews, 2006, 38, 371-391.	3.6	62
1884	Transmembrane Transport of Endo- and Xenobiotics by Mammalian ATP-Binding Cassette Multidrug Resistance Proteins. Physiological Reviews, 2006, 86, 849-899.	28.8	679
1885	Towards Interactive Visualization for Exploring Conserved Motifs in Noncoding DNA Sequence. , 2007, , .		1
1886	Role of the ABC Transporter PRP1 (ABCC7) in Pentamidine Resistance in Leishmania Amastigotes. Antimicrobial Agents and Chemotherapy, 2007, 51, 3030-3032.	3.2	53
1887	Live Cell FRET Microscopy. Journal of Biological Chemistry, 2007, 282, 26997-27005.	3.4	50
1888	State-dependent Inhibition of Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channels by a Novel Peptide Toxin. Journal of Biological Chemistry, 2007, 282, 37545-37555.	3.4	38
1889	Identification of a Lysosomal Peptide Transport System Induced during Dendritic Cell Development. Journal of Biological Chemistry, 2007, 282, 37836-37843.	3.4	40
1890	Functional Characterization of AtATM1, AtATM2, and AtATM3, a Subfamily of Arabidopsis Half-molecule ATP-binding Cassette Transporters Implicated in Iron Homeostasis. Journal of Biological Chemistry, 2007, 282, 21561-21571.	3.4	76
1891	AtCCMA Interacts with AtCcmB to Form a Novel Mitochondrial ABC Transporter Involved in Cytochrome c Maturation in Arabidopsis*. Journal of Biological Chemistry, 2007, 282, 21015-21023.	3.4	55
1892	Structural and Functional Fingerprint of the Mitochondrial ATP-binding Cassette Transporter Mdl1 from Saccharomyces cerevisiae. Journal of Biological Chemistry, 2007, 282, 3951-3961.	3.4	27
1893	The ABCA2 Transporter: Intracellular Roles in Trafficking and Metabolism of LDL-Derived Cholesterol and Sterol-Related Compounds. Current Drug Metabolism, 2007, 8, 47-57.	1.2	43
1894	Cytological and Biochemical Analysis of COF1, an Arabidopsis Mutant of an ABC Transporter Gene. Plant and Cell Physiology, 2007, 48, 1524-1533.	3.1	84

#	ARTICLE	IF	CITATIONS
1895	Isolation and characterization of the ATP-binding cassette (ABC) transporter system genes from loofah witches' broom phytoplasma. <i>DNA Sequence</i> , 2007, 18, 347-356.	0.7	2
1896	Chemotherapeutic Strategies Against <i>Trypanosoma brucei</i> : Drug Targets vs. Drug Targeting. <i>Current Pharmaceutical Design</i> , 2007, 13, 555-567.	1.9	72
1897	Role of ATP-binding cassette drug transporters in the intestinal absorption of tanshinone IIB, one of the major active diterpenoids from the root of <i>Salvia miltiorrhiza</i> . <i>Xenobiotica</i> , 2007, 37, 375-415.	1.1	23
1898	Preservation of Retinoid Influx into Eye Tissues of ABCR-Deficient Mice. <i>Current Eye Research</i> , 2007, 32, 1073-1082.	1.5	2
1899	Mechanism of Substrate Sensing and Signal Transmission within an ABC Transporter. <i>Journal of Biological Chemistry</i> , 2007, 282, 3871-3880.	3.4	39
1900	Molecular Genetics of Rhizosphere and Plant-Root Colonization. , 2007, , 85-112.		4
1901	Identification of a <i>Vibrio furnissii</i> Oligopeptide Permease and Characterization of Its In Vitro Hemolytic Activity. <i>Journal of Bacteriology</i> , 2007, 189, 8215-8223.	2.2	23
1902	Concise Review: Clinical Relevance of Drug-Drug and Herb-Drug Interactions Mediated by the ABC Transporter ABCB1 (MDR1, P-glycoprotein). <i>Oncologist</i> , 2007, 12, 927-941.	3.7	254
1903	A Multidrug Resistance Transporter in <i>Magnaporthe</i> Is Required for Host Penetration and for Survival during Oxidative Stress. <i>Plant Cell</i> , 2007, 18, 3686-3705.	6.6	88
1904	Homozygosity for a Novel ABCA4 Founder Splicing Mutation Is Associated with Progressive and Severe Stargardt-like Disease. , 2007, 48, 4308.		37
1905	A genomic strategy for cloning, expressing and purifying efflux proteins of the major facilitator superfamily. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 59, 1265-1270.	3.0	14
1906	γ -Rhamnose Transport Is Sugar Kinase (RhaK) Dependent in <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> . <i>Journal of Bacteriology</i> , 2007, 189, 8437-8446.	2.2	14
1907	Function of the <i>Caenorhabditis elegans</i> ABC Transporter PGP-2 in the Biogenesis of a Lysosome-related Fat Storage Organelle. <i>Molecular Biology of the Cell</i> , 2007, 18, 995-1008.	2.1	102
1908	Peptide Transport in <i>Helicobacter pylori</i> : Roles of Dpp and Opp Systems and Evidence for Additional Peptide Transporters. <i>Journal of Bacteriology</i> , 2007, 189, 3392-3402.	2.2	35
1909	ABCA2 Deficiency Results in Abnormal Sphingolipid Metabolism in Mouse Brain. <i>Journal of Biological Chemistry</i> , 2007, 282, 19692-19699.	3.4	55
1910	Nucleotide-dependent Allostery within the ABC Transporter ATP-binding Cassette. <i>Journal of Biological Chemistry</i> , 2007, 282, 22793-22803.	3.4	62
1911	The <i>Haemophilus influenzae</i> hFbpABC Fe ³⁺ Transporter: Analysis of the Membrane Permease and Development of a Gallium-Based Screen for Mutants. <i>Journal of Bacteriology</i> , 2007, 189, 5130-5141.	2.2	14
1912	THE LEUKODYSTROPHIES. , 2007, , 1065-1092.		1

#	ARTICLE	IF	CITATIONS
1913	Role of the <i>Caenorhabditis elegans</i> Multidrug Resistance Gene, <i>mrp-4</i> , in Gut Granule Differentiation. <i>Genetics</i> , 2007, 177, 1569-1582.	2.9	25
1914	Expression of ABCA3 in Developing Lung and Other Tissues. <i>Journal of Histochemistry and Cytochemistry</i> , 2007, 55, 71-83.	2.5	87
1915	Mapping ATP-binding cassette transporter gene expression profiles in melanocytes and melanoma cells. <i>Melanoma Research</i> , 2007, 17, 265-273.	1.2	80
1916	CLINICAL SIGNIFICANCE OF ABCA2, A POSSIBLE MOLECULAR MARKER FOR OLIGODENDROGLIOMAS. <i>Neurosurgery</i> , 2007, 60, 707-714.	1.1	11
1917	The ABC of binding-protein-dependent transport in Archaea. <i>Trends in Microbiology</i> , 2007, 15, 389-397.	7.7	29
1918	Transport capabilities of eleven gram-positive bacteria: Comparative genomic analyses. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 1342-1366.	2.6	106
1919	CFTR inhibition by glibenclamide requires a positive charge in cytoplasmic loop three. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 2438-2446.	2.6	17
1920	Characterization of the multidrug efflux regulator AcrR from <i>Escherichia coli</i> . <i>Biochemical and Biophysical Research Communications</i> , 2007, 361, 85-90.	2.1	83
1921	Natural organic matter (NOM) has the potential to modify the multixenobiotic resistance (MXR) activity in freshwater amphipods <i>Eulimnogammarus cyaneus</i> and <i>E. verrucosus</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2007, 146, 496-503.	1.6	38
1922	Detection of the MDR1 P-Glycoprotein Expression and Function. <i>Methods in Molecular Biology</i> , 2007, 378, 175-193.	0.9	5
1923	Crystal Structure of the Transcriptional Regulator AcrR from <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 2007, 374, 591-603.	4.2	79
1924	Real-Time RT-PCR assay to quantify the expression of <i>fum1</i> and <i>fum19</i> genes from the Fumonisin-producing <i>Fusarium verticillioides</i> . <i>Journal of Microbiological Methods</i> , 2007, 68, 312-317.	1.6	66
1925	ABCG1 gene variants in suicidal behavior and aggression-related traits. <i>European Neuropsychopharmacology</i> , 2007, 17, 410-416.	0.7	24
1926	ABCA3-mediated choline-phospholipids uptake into intracellular vesicles in A549 cells. <i>FEBS Letters</i> , 2007, 581, 3139-3144.	2.8	62
1927	Expression of the Keratinocyte Lipid Transporter ABCA12 in Developing and Reconstituted Human Epidermis. <i>American Journal of Pathology</i> , 2007, 171, 43-52.	3.8	34
1928	Flexibility in the ABC transporter MsbA: Alternating access with a twist. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 19005-19010.	7.1	707
1929	Mechanism of Inhibition of P-Glycoprotein Mediated Efflux by Vitamin E TPGS: Influence on ATPase Activity and Membrane Fluidity. <i>Molecular Pharmaceutics</i> , 2007, 4, 465-474.	4.6	244
1930	Reversal of Tumor Resistance to Apoptotic Stimuli by Alteration of Membrane Fluidity: Therapeutic Implications. <i>Advances in Cancer Research</i> , 2007, 98, 149-190.	5.0	71

#	ARTICLE	IF	CITATIONS
1932	Erlotinib (Tarceva, OSI-774) Antagonizes ATP-Binding Cassette Subfamily B Member 1 and ATP-Binding Cassette Subfamily G Member 2â€™Mediated Drug Resistance. <i>Cancer Research</i> , 2007, 67, 11012-11020.	0.9	280
1933	Distribution and Physiology of ABC-Type Transporters Contributing to Multidrug Resistance in Bacteria. <i>Microbiology and Molecular Biology Reviews</i> , 2007, 71, 463-476.	6.6	270
1934	A primer on the mechanics of P-glycoprotein the multidrug transporter. <i>Pharmacological Research</i> , 2007, 55, 1-15.	7.1	184
1935	Simulation of the Coupling between Nucleotide Binding and Transmembrane Domains in the ATP Binding Cassette Transporter BtuCD. <i>Biophysical Journal</i> , 2007, 92, 2727-2734.	0.5	53
1936	Reversal of resistance in microorganisms by help of non-antibiotics. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 59, 1271-1279.	3.0	106
1937	Plant ATP-Binding Cassette Transporters. <i>Annual Review of Plant Biology</i> , 2007, 58, 347-375.	18.7	437
1938	ABC A-subclass proteins: Gatekeepers of cellular phospho- and sphingolipid transport. <i>Frontiers in Bioscience - Landmark</i> , 2007, 12, 3177.	3.0	67
1939	A polymorphism C3435T of the MDR-1 gene associated with smoking or high body mass index increases the risk of sporadic breast cancer in women. <i>Oncology Reports</i> , 2007, , .	2.6	5
1941	Synthesis of a Pyridoxineâ€™Peptide Based Delivery System for Nucleotides. <i>Chemistry and Biodiversity</i> , 2007, 4, 1450-1465.	2.1	4
1942	Venlafaxine induces P-glycoprotein in human Caco-2 cells. <i>Human Psychopharmacology</i> , 2007, 22, 49-53.	1.5	31
1943	Flavonoids alter P-gp expression in intestinal epithelial cells in vitro and in vivo. <i>Molecular Nutrition and Food Research</i> , 2007, 51, 293-300.	3.3	40
1944	Reduced genetic variation of an <i>Onchocerca volvulus</i> ABC transporter gene following treatment with ivermectin. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2007, 101, 1223-1232.	1.8	36
1945	<i>Arabidopsis</i> P-Glycoprotein19 Participates in the Inhibition of Gravitropism by Gravacin. <i>Chemistry and Biology</i> , 2007, 14, 1366-1376.	6.0	128
1946	Effect of genistein on the pharmacokinetics of paclitaxel administered orally or intravenously in rats. <i>International Journal of Pharmaceutics</i> , 2007, 337, 188-193.	5.2	73
1947	Nitrogen transport in the ectomycorrhiza association: The <i>Hebeloma cylindrosporum</i> â€™ <i>Pinus pinaster</i> model. <i>Phytochemistry</i> , 2007, 68, 41-51.	2.9	67
1948	Proteome Analysis of Inhibitory Effect of Gadolinium on <i>Sinorhizobium fredii</i> . <i>Journal of Rare Earths</i> , 2007, 25, 106-110.	4.8	3
1949	Molecular characterization and structural implications of 25 new ABCB4 mutations in progressive familial intrahepatic cholestasis type 3 (PFIC3). <i>European Journal of Human Genetics</i> , 2007, 15, 1230-1238.	2.8	85
1950	ATP-binding-cassette transporters in hematopoietic stem cells and their utility as therapeutical targets in acute and chronic myeloid leukemia. <i>Leukemia</i> , 2007, 21, 2094-2102.	7.2	84

#	ARTICLE	IF	CITATIONS
1951	The emerging pharmacotherapeutic significance of the breast cancer resistance protein (ABCG2). British Journal of Pharmacology, 2007, 151, 163-174.	5.4	63
1952	Multiple molecular mechanisms for multidrug resistance transporters. Nature, 2007, 446, 749-757.	27.8	757
1953	Crystal structure of a catalytic intermediate of the maltose transporter. Nature, 2007, 450, 515-521.	27.8	473
1954	A novel ATP-binding cassette transporter from Leishmania is involved in transport of phosphatidylcholine analogues and resistance to alkyl-phospholipids. Molecular Microbiology, 2007, 64, 1141-1153.	2.5	78
1955	Identification of an operon and inducing peptide involved in the production of lactacin B by Lactobacillus acidophilus. Journal of Applied Microbiology, 2007, 103, 1766-1778.	3.1	34
1956	The ABC transporter AtPDR8 is a cadmium extrusion pump conferring heavy metal resistance. Plant Journal, 2007, 50, 207-218.	5.7	593
1957	Effect of <i>MDR1</i> C3435T polymorphism on cure rates of <i>Helicobacter pylori</i> infection by triple therapy with lansoprazole, amoxicillin and clarithromycin in relation to <i>CYP2C19</i> genotypes and 23S rRNA genotypes of <i>H. pylori</i> . Alimentary Pharmacology and Therapeutics, 2007, 26, 693-703.	3.7	40
1958	Quorum sensing in <i>Serratia</i> . FEMS Microbiology Reviews, 2007, 31, 407-424.	8.6	166
1959	Localization of ABCA12 from Golgi apparatus to lamellar granules in human upper epidermal keratinocytes. Experimental Dermatology, 2007, 16, 920-926.	2.9	65
1960	Loss of ATP hydrolysis activity by CcmAB results in loss of c-type cytochrome synthesis and incomplete processing of CcmE. FEBS Journal, 2007, 274, 2322-2332.	4.7	53
1961	ATP-binding cassette systems in <i>Burkholderia pseudomallei</i> and <i>Burkholderia mallei</i> . BMC Genomics, 2007, 8, 83.	2.8	38
1962	Multidrug resistance related protein (ABCC1) and its role on nitrite production by the murine macrophage cell line RAW 264.7. Biochemical Pharmacology, 2007, 73, 665-674.	4.4	12
1963	How can we best use structural information on P-glycoprotein to design inhibitors?. , 2007, 113, 429-441.		115
1964	Analysis of ligand binding to a ribose biosensor using site-directed mutagenesis and fluorescence spectroscopy. Protein Science, 2007, 16, 362-368.	7.6	35
1965	Lipid rafts: dream or reality for cholesterol transporters?. European Biophysics Journal, 2007, 36, 869-885.	2.2	21
1966	Availability and applications of ATP-binding cassette (ABC) transporter blockers. Applied Microbiology and Biotechnology, 2007, 76, 279-286.	3.6	47
1968	Modulation of function of three ABC drug transporters, P-glycoprotein (ABCB1), mitoxantrone resistance protein (ABCG2) and multidrug resistance protein 1 (ABCC1) by tetrahydrocurcumin, a major metabolite of curcumin. Molecular and Cellular Biochemistry, 2007, 296, 85-95.	3.1	202
1969	A thermally targeted elastin-like polypeptide-doxorubicin conjugate overcomes drug resistance. Investigational New Drugs, 2007, 25, 313-326.	2.6	89

#	ARTICLE	IF	CITATIONS
1970	Sequence analysis of <i>Arthrospira maxima</i> based on fosmid library. <i>Journal of Applied Phycology</i> , 2007, 19, 333-346.	2.8	3
1971	Building an understanding of cystic fibrosis on the foundation of ABC transporter structures. <i>Journal of Bioenergetics and Biomembranes</i> , 2007, 39, 499-505.	2.3	52
1972	ATP-binding cassette transporter ABCA4: Molecular properties and role in vision and macular degeneration. <i>Journal of Bioenergetics and Biomembranes</i> , 2007, 39, 507-517.	2.3	92
1973	ABCG transporters: structure, substrate specificities and physiological roles. <i>Journal of Bioenergetics and Biomembranes</i> , 2007, 39, 465-471.	2.3	80
1974	Functional Characteristics of TauA Binding Protein from TauABC <i>Escherichia coli</i> System. <i>Protein Journal</i> , 2007, 26, 231-238.	1.6	17
1975	Biotechnology applications of amino acids in protein purification and formulations. <i>Amino Acids</i> , 2007, 33, 587-605.	2.7	193
1976	Twenty years of ATP-binding cassette (ABC) transporters. <i>Pflügers Archiv European Journal of Physiology</i> , 2007, 453, 543-543.	2.8	8
1977	Proteome analysis of leaves from the resurrection plant <i>Boea hygrometrica</i> in response to dehydration and rehydration. <i>Planta</i> , 2007, 225, 1405-1420.	3.2	101
1978	Expression of multidrug resistance P-glycoprotein on lymphocytes from nephrotic children treated with cyclosporine A and ACE-inhibitor. <i>European Journal of Pediatrics</i> , 2007, 166, 447-452.	2.7	14
1979	Modelling the restoration of wild-type dynamic behaviour in Δ F508-CFTR NBD1 by 8-cyclopentyl-1,3-dipropylxanthine. <i>Journal of Molecular Graphics and Modelling</i> , 2007, 26, 691-699.	2.4	5
1980	Improved fluorescent (calcium indicator) dye uptake in brain slices by blocking multidrug resistance transporters. <i>Journal of Neuroscience Methods</i> , 2008, 167, 140-147.	2.5	28
1981	Synthesis, characterisation and thermal behaviour of some thiosulfato-and sulfato copper(II) complexes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 92, 245-251.	3.6	7
1982	Dissecting of the FHB resistance QTL on the short arm of wheat chromosome 2D using a comparative genomic approach: from QTL to candidate gene. <i>Molecular Breeding</i> , 2008, 22, 71-84.	2.1	69
1983	Molecular characterization of four genes involved in sulfur metabolism in <i>Porphyra purpurea</i> (Roth) C. Agardh. <i>Journal of Applied Phycology</i> , 2008, 20, 783-795.	2.8	2
1984	Effects of verapamil on etoposide pharmacokinetics after intravenous and oral administration in rats. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2008, 33, 159-164.	1.6	17
1985	An overview of cancer multidrug resistance: a still unsolved problem. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 3145-3167.	5.4	375
1986	The determination of glutathione-4-hydroxynonenal (GSHNE), E-4-hydroxynonenal (HNE), and E-1-hydroxynon-2-en-4-one (HNO) in mouse liver tissue by LC-ESI-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 392, 1325-1333.	3.7	27
1987	No association between MDR1 (ABCB1) 2677G>T and 3435C>T polymorphism and sporadic colorectal cancer among Bulgarian patients. <i>Journal of Cancer Research and Clinical Oncology</i> , 2008, 134, 317-322.	2.5	35

#	ARTICLE	IF	CITATIONS
1988	Differential Proteins of Panax Notoginseng Powder Inducement Identified and Analyzed with Proteomic Techniques in Neural Connective of Aplysia. Chinese Journal of Analytical Chemistry, 2008, 36, 577-582.	1.7	10
1989	Crystallization and preliminary X-ray diffraction analysis of the multidrug efflux transporter NorM from <i>Neisseria gonorrhoeae</i> . Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 289-292.	0.7	5
1990	Purification, crystallization and preliminary X-ray diffraction analysis of the putative ABC transporter ATP-binding protein from <i>Thermotoga maritima</i> . Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 498-500.	0.7	5
1991	The roles of mucD and alginate in the virulence of <i>Pseudomonas aeruginosa</i> in plants, nematodes and mice. Molecular Microbiology, 2008, 41, 1063-1076.	2.5	98
1992	The differences in the microenvironment of the two tryptophan residues of the glutamine-binding protein from <i>Escherichia coli</i> shed light on the binding properties and the structural dynamics of the protein. Proteins: Structure, Function and Bioinformatics, 2008, 71, 743-750.	2.6	11
1993	Pharmacokinetics in Drug Discovery. Journal of Pharmaceutical Sciences, 2008, 97, 654-690.	3.3	116
1994	Enantiomeric radiochemical synthesis of R and S (1-((6-aminopropyl)-2-fluoropropan-2-yl)oxy)methylphosphonic acid (FMPMA). Journal of Labeled Compounds and Radiopharmaceuticals, 2008, 51, 187-194.	Labelled	6
1995	Construction of a reagentless glucose biosensor using molecular exciton luminescence. Analytical Biochemistry, 2008, 375, 132-140.	2.4	35
1996	Functional analysis of a novel ABC transporter ABC4 from <i>Magnaporthe grisea</i> . FEMS Microbiology Letters, 2008, 278, 22-28.	1.8	70
1997	Quorum sensing in Cyanobacteria: <i>N</i> -octanoyl-homoserine lactone release and response, by the epilithic colonial cyanobacterium <i>Gloeotheca</i> PCC6909. ISME Journal, 2008, 2, 1171-1182.	9.8	125
1998	Characterization of a novel mutation in exon 10 of the adrenoleukodystrophy gene. Clinical Genetics, 1998, 53, 482-487.	2.0	8
1999	AtMRP6/AtABCC6, an ATP-Binding Cassette transporter gene expressed during early steps of seedling development and up-regulated by cadmium in <i>Arabidopsis thaliana</i> . BMC Plant Biology, 2008, 8, 22.	3.6	75
2000	Biosynthesis and Biological Activities of Lantibiotics with Unique Post-Translational Modifications. FEBS Journal, 1995, 230, 827-853.	0.2	103
2001	Common Variants in the ATP-binding Cassette Transporter 1 Gene with Decreased HDL-Cholesterol Levels and Coronary Artery Disease. Archives of Medical Research, 2008, 39, 735-742.	3.3	0
2002	Characterization of <i>Leishmania</i> (<i>Leishmania</i>) <i>amazonensis</i> promastigotes resistant to pentamidine. Experimental Parasitology, 2008, 120, 98-102.	1.2	29
2003	Molecular cloning and functional characterization of cynomolgus monkey multidrug resistance-associated protein 2 (MRP2). European Journal of Pharmaceutical Sciences, 2008, 35, 326-334.	4.0	11
2004	An <i>Arabidopsis thaliana</i> ABC transporter that confers kanamycin resistance in transgenic plants does not endow resistance to <i>Escherichia coli</i> . Microbial Biotechnology, 2008, 1, 191-195.	4.2	9
2005	Multixenobiotic resistance, acetyl-choline esterase activity and total oxyradical scavenging capacity of the Arctic spider crab, <i>Hyas araneus</i> , following exposure to bisphenol A, tetra bromo diphenyl ether and diallyl phthalate. Marine Pollution Bulletin, 2008, 56, 1410-1415.	5.0	29

#	ARTICLE	IF	CITATIONS
2006	Cloning and functional characterization of BcatrA, a gene encoding an ABC transporter of the plant pathogenic fungus <i>Botryotinia fuckeliana</i> (<i>Botrytis cinerea</i>). <i>Mycological Research</i> , 2008, 112, 737-746.	2.5	25
2008	MRP class of human ATP binding cassette (ABC) transporters: historical background and new research directions. <i>Xenobiotica</i> , 2008, 38, 833-862.	1.1	111
2009	Human ABC transporters ABCG2 (BCRP) and ABCG4. <i>Xenobiotica</i> , 2008, 38, 863-888.	1.1	39
2010	The Conformational Coupling and Translocation Mechanism of Vitamin B12 ATP-Binding Cassette Transporter BtuCD. <i>Biophysical Journal</i> , 2008, 94, 612-621.	0.5	20
2011	Probing Receptor-Translocator Interactions in the Oligopeptide ABC Transporter by Fluorescence Correlation Spectroscopy. <i>Biophysical Journal</i> , 2008, 94, 3956-3965.	0.5	49
2012	Differential expression of ABC transporters and their regulatory genes during lactation and dry period in bovine mammary tissue. <i>Journal of Dairy Research</i> , 2008, 75, 406-414.	1.4	39
2013	Physiology and Genetics of <i>Listeria Monocytogenes</i> Survival and Growth at Cold Temperatures. <i>Critical Reviews in Food Science and Nutrition</i> , 2008, 49, 237-253.	10.3	170
2014	Advanced Dihydropyridines as Novel Multidrug Resistance Modifiers and Reversing Agents. <i>Topics in Heterocyclic Chemistry</i> , 2007, , 201-252.	0.2	13
2015	Micelles Protect Membrane Complexes from Solution to Vacuum. <i>Science</i> , 2008, 321, 243-246.	12.6	333
2016	Pharmacokinetics and ADME optimization in drug discovery. , 2008, , 131-153.		3
2019	Advances in selectable marker genes for plant transformation. <i>Journal of Plant Physiology</i> , 2008, 165, 1698-1716.	3.5	73
2020	Water-mediated protein-fluorophore interactions modulate the affinity of an ABC-ATPase/TNP-ADP complex. <i>Journal of Structural Biology</i> , 2008, 162, 85-93.	2.8	8
2021	Crystal Structures and Mutational Analysis of the Arginine-, Lysine-, Histidine-binding Protein ArtJ from <i>Geobacillus stearothermophilus</i> . Implications for Interactions of ArtJ with its Cognate ATP-binding Cassette Transporter, Art(MP)2. <i>Journal of Molecular Biology</i> , 2008, 375, 448-459.	4.2	36
2022	AdcAll, A New Pneumococcal Zn-Binding Protein Homologous with ABC Transporters: Biochemical and Structural Analysis. <i>Journal of Molecular Biology</i> , 2008, 381, 594-606.	4.2	112
2023	Mutational analysis of ABC proteins. <i>Archives of Biochemistry and Biophysics</i> , 2008, 476, 51-64.	3.0	77
2024	Plant ABC proteins – a unified nomenclature and updated inventory. <i>Trends in Plant Science</i> , 2008, 13, 151-159.	8.8	652
2025	Organic Anion and Cation Transporters in Renal Elimination of Drugs. , 2008, , 2045-2080.		2
2026	Functional characterization of the <i>Saccharomyces cerevisiae</i> ABC-transporter Yor1p overexpressed in plasma membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 68-78.	2.6	14

#	ARTICLE	IF	CITATIONS
2027	Structural stability of GlcV, the nucleotide binding domain of the glucose ABC transporter of <i>Sulfolobus solfataricus</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 324-333.	2.6	1
2028	Structure and regulation of the cystic fibrosis transmembrane conductance regulator (CFTR) gene in killifish: A comparative genomics approach. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2008, 3, 172-185.	1.0	10
2029	Hyaluronan-CD44 Interaction Activates Stem Cell Marker Nanog, Stat-3-mediated MDR1 Gene Expression, and Ankyrin-regulated Multidrug Efflux in Breast and Ovarian Tumor Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 17635-17651.	3.4	378
2031	Hepatic cell-specific ATP-binding cassette (ABC) transporter profiling identifies putative novel candidates for lipid homeostasis in mice. <i>Atherosclerosis</i> , 2008, 196, 650-658.	0.8	27
2032	Structure, Function, and Evolution of Bacterial ATP-Binding Cassette Systems. <i>Microbiology and Molecular Biology Reviews</i> , 2008, 72, 317-364.	6.6	1,162
2033	The High-Affinity <i>E. coli</i> Methionine ABC Transporter: Structure and Allosteric Regulation. <i>Science</i> , 2008, 321, 250-253.	12.6	187
2034	An Evaluation of Information Content as a Metric for the Inference of Putative Conserved Noncoding Regions in DNA Sequences Using a Genetic Algorithms Approach. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2008, 5, 1-14.	3.0	30
2035	Bis-pyranobenzoquinones as a New Family of Reversal Agents of the Multidrug Resistance Phenotype Mediated by P-Glycoprotein in Mammalian Cells and the Protozoan Parasite <i>Leishmania</i> . <i>Journal of Medicinal Chemistry</i> , 2008, 51, 7132-7143.	6.4	33
2036	Novel Amiodarone-Doxorubicin Cocktail Liposomes Enhance Doxorubicin Retention and Cytotoxicity in DU145 Human Prostate Carcinoma Cells. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 6067-6074.	6.4	27
2037	6-(7-Nitro-2,1,3-benzoxadiazol-4-ylthio)hexanol, a specific glutathione S-transferase inhibitor, overcomes the multidrug resistance (MDR)-associated protein 1-mediated MDR in small cell lung cancer. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 371-379.	4.1	49
2038	cAMP-dependent Protein Kinase Phosphorylation Produces Interdomain Movement in SUR2B Leading to Activation of the Vascular KATP Channel. <i>Journal of Biological Chemistry</i> , 2008, 283, 7523-7530.	3.4	33
2039	Drug-Drug Interactions, Second Edition. , 0, , .		8
2040	A new subfamily of bacterial glutamate/aspartate receptors. <i>Biological Chemistry</i> , 2008, 389, 33-36.	2.5	5
2041	Characterization of a <i>Pseudomonas putida</i> ABC transporter (AatJMQP) required for acidic amino acid uptake: biochemical properties and regulation by the Aau two-component system. <i>Microbiology (United Kingdom)</i> , 2008, 154, 797-809.	1.8	27
2042	Altered Profile of Secondary Metabolites in the Root Exudates of Arabidopsis ATP-Binding Cassette Transporter Mutants. <i>Plant Physiology</i> , 2008, 146, 323-324.	4.8	158
2043	Conformational Changes in a Pore-lining Helix Coupled to Cystic Fibrosis Transmembrane Conductance Regulator Channel Gating. <i>Journal of Biological Chemistry</i> , 2008, 283, 4957-4966.	3.4	44
2044	The Sulfonylurea Receptor, an Atypical ATP-Binding Cassette Protein, and Its Regulation of the K _{ATP} Channel. <i>Circulation Research</i> , 2008, 102, 164-176.	4.5	109
2045	Regulation of CFTR Trafficking by Its R Domain. <i>Journal of Biological Chemistry</i> , 2008, 283, 28401-28412.	3.4	16

#	ARTICLE	IF	CITATIONS
2046	Aberrant catalytic cycle and impaired lipid transport into intracellular vesicles in ABCA3 mutants associated with nonfatal pediatric interstitial lung disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 295, L698-L707.	2.9	69
2047	ABCG1 and ABCG4 are coexpressed in neurons and astrocytes of the CNS and regulate cholesterol homeostasis through SREBP-2. Journal of Lipid Research, 2008, 49, 169-182.	4.2	134
2048	<i>Drosophila</i> ABC transporter mutants <i>white</i> , <i>brown</i> and <i>scarlet</i> have altered contents and distribution of biogenic amines in the brain. Journal of Experimental Biology, 2008, 211, 3454-3466.	1.7	142
2049	Functional Cloning and Characterization of the Multidrug Efflux Pumps NorM from <i>Neisseria gonorrhoeae</i> and YdhE from <i>Escherichia coli</i> . Antimicrobial Agents and Chemotherapy, 2008, 52, 3052-3060.	3.2	76
2050	Characterization of an ABCG-Like Transporter from the Protozoan Parasite <i>Leishmania</i> with a Role in Drug Resistance and Transbilayer Lipid Movement. Antimicrobial Agents and Chemotherapy, 2008, 52, 3573-3579.	3.2	96
2051	Identification of novel genes associated with conidiation in <i>Beauveria bassiana</i> with suppression subtractive hybridization. Mycologia, 2008, 100, 20-30.	1.9	8
2052	Inhibition of Efflux of Quinolines as New Therapeutic Strategy in Malaria. Current Topics in Medicinal Chemistry, 2008, 8, 563-578.	2.1	39
2053	ABCA2 as a therapeutic target in cancer and nervous system disorders. Expert Opinion on Therapeutic Targets, 2008, 12, 491-504.	3.4	29
2055	Accurate prediction of protein-protein interactions from sequence alignments using a Bayesian method. Molecular Systems Biology, 2008, 4, 165.	7.2	173
2056	The Compatible-Solute-Binding Protein OpuAC from <i>Bacillus subtilis</i> : Ligand Binding, Site-Directed Mutagenesis, and Crystallographic Studies. Journal of Bacteriology, 2008, 190, 5663-5671.	2.2	50
2057	Role of the ABC transporters ABCA1 and ABCG1 in foam cell formation and atherosclerosis. Future Lipidology, 2008, 3, 675-687.	0.5	4
2059	Identification of novel genes associated with conidiation in <i>Beauveria bassiana</i> with suppression subtractive hybridization. Mycologia, 2008, 100, 20-30.	1.9	10
2060	Abdominal localization of Tangier disease mimicking a pancreatic neoplasm. European Journal of Gastroenterology and Hepatology, 2008, 20, 1028-1031.	1.6	4
2063	A Detailed Analysis of the Murine TAP Transporter Substrate Specificity. PLoS ONE, 2008, 3, e2402.	2.5	35
2064	Role of Caveolin-1 in Indomethacin-induced Death of Human Hepatocarcinoma SK-Hep1 Cells. Korean Journal of Physiology and Pharmacology, 2008, 12, 143.	1.2	1
2065	Microseeding - A Powerful Tool for Crystallizing Proteins Complexed with Hydrolyzable Substrates. International Journal of Molecular Sciences, 2008, 9, 1131-1141.	4.1	10
2067	Detection of <i>Mycoplasma hyopneumoniae</i> in lungs and nasal swabs of pigs by nested PCR. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2009, 61, 149-155.	0.4	2
2068	Functional Role of P-Glycoprotein and Binding Protein Effect on the Placental Transfer of Lopinavir/Ritonavir in the Ex Vivo Human Perfusion Model. Obstetrics and Gynecology International, 2009, 2009, 1-6.	1.3	31

#	ARTICLE	IF	CITATIONS
2069	Downregulation of ABCD1 in Human Renal Cell Carcinoma. <i>International Journal of Biological Markers</i> , 2009, 24, 171-178.	1.8	6
2070	Hepatobiliary ABC transporters: physiology, regulation and implications for disease. <i>Frontiers in Bioscience - Landmark</i> , 2009, 14, 4904.	3.0	20
2071	Flecked-Retina Syndromes. <i>Ophthalmic Genetics</i> , 2009, 30, 69-75.	1.2	14
2072	Role of the zinc-finger and basic motifs of chrysanthemum virus B p12 protein in nucleic acid binding, protein localization and induction of a hypersensitive response upon expression from a viral vector. <i>Journal of General Virology</i> , 2009, 90, 723-733.	2.9	27
2073	Combination of Tenofovir and Emtricitabine plus Efavirenz: In Vitro Modulation of ABC Transporter and Intracellular Drug Accumulation. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 896-902.	3.2	46
2074	The guard cell as a single-cell model towards understanding drought tolerance and abscisic acid action. <i>Journal of Experimental Botany</i> , 2009, 60, 1439-1463.	4.8	179
2075	An ABC Transporter Mutation Alters Root Exudation of Phytochemicals That Provoke an Overhaul of Natural Soil Microbiota. <i>Plant Physiology</i> , 2009, 151, 2006-2017.	4.8	263
2076	Inhibition of P-Glycoprotein-Mediated Paclitaxel Resistance by Reversibly Linked Quinine Homodimers. <i>Molecular Pharmacology</i> , 2009, 75, 92-100.	2.3	93
2077	Hyaluronan-mediated CD44 Interaction with p300 and SIRT1 Regulates β -Catenin Signaling and NF κ B-specific Transcription Activity Leading to MDR1 and Bcl-xL Gene Expression and Chemoresistance in Breast Tumor Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 2657-2671.	3.4	160
2078	Drosophila ABC Transporter, DmHMT-1, Confers Tolerance to Cadmium. <i>Journal of Biological Chemistry</i> , 2009, 284, 354-362.	3.4	54
2079	Influence of membrane lipid composition on the activity of functionally reconstituted LmrA under high hydrostatic pressure. <i>High Pressure Research</i> , 2009, 29, 344-357.	1.2	5
2080	Hyaluronan-CD44 Interaction with Protein Kinase C β Promotes Oncogenic Signaling by the Stem Cell Marker Nanog and the Production of MicroRNA-21, Leading to Down-regulation of the Tumor Suppressor Protein PDCD4, Anti-apoptosis, and Chemotherapy Resistance in Breast Tumor Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 26533-26546.	3.4	280
2081	The MalF P2 Loop of the ATP-Binding Cassette Transporter MalFGK ₂ from <i>Escherichia coli</i> and <i>Salmonella enterica</i> Serovar Typhimurium Interacts with Maltose Binding Protein (MalE) throughout the Catalytic Cycle. <i>Journal of Bacteriology</i> , 2009, 191, 754-761.	2.2	29
2082	Antiretroviral Tissue Kinetics: In Vivo Imaging Using Positron Emission Tomography. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 4086-4095.	3.2	58
2083	High heterogeneity of plasma membrane microfluidity in multidrug-resistant cancer cells. <i>Journal of Biomedical Optics</i> , 2009, 14, 034030.	2.6	21
2084	Natural Variation in an ABC Transporter Gene Associated with Seed Size Evolution in Tomato Species. <i>PLoS Genetics</i> , 2009, 5, e1000347.	3.5	63
2085	Physiological and Pharmacological Significance of Glutathione-Conjugate Transport. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2009, 12, 540-551.	6.5	27
2086	Efflux in Fungi: La Pi�ce de R�sistance. <i>PLoS Pathogens</i> , 2009, 5, e1000486.	4.7	210

#	ARTICLE	IF	CITATIONS
2087	NMR and EPR studies of membrane transporters. <i>Biological Chemistry</i> , 2009, 390, 815-34.	2.5	27
2088	Mutations in the Arabidopsis Peroxisomal ABC Transporter COMATOSE Allow Differentiation between Multiple Functions In Planta: Insights from an Allelic Series. <i>Molecular Biology of the Cell</i> , 2009, 20, 530-543.	2.1	43
2089	Normal Formation of a Subset of Intestinal Granules in <i>Caenorhabditis elegans</i> Requires ATP-binding Cassette Transporters HAF-4 and HAF-9, Which Are Highly Homologous to Human Lysosomal Peptide Transporter TAP-Like. <i>Molecular Biology of the Cell</i> , 2009, 20, 2979-2990.	2.1	18
2090	Molecular characterization and expression analysis of a P-glycoprotein homologue in <i>Toxoplasma gondii</i> . <i>Molecular and Biochemical Parasitology</i> , 2009, 163, 54-60.	1.1	7
2091	Sulfonylurea Receptor 1 Subunits of ATP-Sensitive Potassium Channels and Myocardial Ischemia/Reperfusion Injury. <i>Trends in Cardiovascular Medicine</i> , 2009, 19, 61-67.	4.9	37
2092	ABC transporters: a riddle wrapped in a mystery inside an enigma. <i>Trends in Biochemical Sciences</i> , 2009, 34, 520-531.	7.5	160
2093	Identification of genes coding for B cell antigens of <i>Mycoplasma mycoides</i> subsp. <i>mycoides</i> Small Colony (Mmm SC) by using phage display. <i>BMC Microbiology</i> , 2009, 9, 215.	3.3	11
2094	Mitochondrial ABC proteins in health and disease. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 681-690.	1.0	102
2095	Polarized P-glycoprotein expression by the immortalised human brain endothelial cell line, hCMEC/D3, restricts apical-to-basolateral permeability to rhodamine 123. <i>Brain Research</i> , 2009, 1292, 14-24.	2.2	58
2096	Transport of lipids by ABC proteins: Interactions and implications for cellular toxicity, viability and function. <i>Chemico-Biological Interactions</i> , 2009, 180, 327-339.	4.0	104
2097	The effect of genetic variability on drug response in conventional breast cancer treatment. <i>European Journal of Pharmacology</i> , 2009, 625, 122-130.	3.5	32
2098	Missense mutations and single nucleotide polymorphisms in ABCB11 impair bile salt export pump processing and function or disrupt pre-messenger RNA splicing. <i>Hepatology</i> , 2009, 49, 553-567.	7.3	147
2099	Surfing the wave, cycle, life history, and genes/proteins expressed by testicular germ cells. Part 4: Intercellular bridges, mitochondria, nuclear envelope, apoptosis, ubiquitination, membrane/voltage-gated channels, methylation/acetylation, and transcription factors. <i>Microscopy Research and Technique</i> , 2010, 73, 364-408.	2.2	38
2100	CFTR and defective endocytosis: new insights in the renal phenotype of cystic fibrosis. <i>Pflugers Archiv European Journal of Physiology</i> , 2009, 457, 1227-1236.	2.8	35
2101	The ABC-transporter AtmA is involved in nickel and cobalt resistance of <i>Cupriavidus metallidurans</i> strain CH34. <i>Antonie Van Leeuwenhoek</i> , 2009, 96, 183-191.	1.7	25
2102	ABCB1 gene polymorphisms and haplotype analysis in colorectal cancer. <i>International Journal of Colorectal Disease</i> , 2009, 24, 895-905.	2.2	45
2103	Alzheimer's disease and blood-brain barrier function-Why have anti- β -amyloid therapies failed to prevent dementia progression?. <i>Neuroscience and Biobehavioral Reviews</i> , 2009, 33, 1099-1108.	6.1	66
2104	Proteomics Analysis of Drought Stress-Responsive Proteins in <i>Hippophae rhamnoides</i> L.. <i>Plant Molecular Biology Reporter</i> , 2009, 27, 153-161.	1.8	36

#	ARTICLE	IF	CITATIONS
2105	ABC Transporters, Drug Resistance, and Cancer Stem Cells. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2009, 14, 3-9.	2.7	377
2106	Cancer Stem Cells: Lessons From Melanoma. <i>Stem Cell Reviews and Reports</i> , 2009, 5, 61-65.	5.6	53
2107	NMR assignments of the periplasmic loop P2 of the MalF subunit of the maltose ATP binding cassette transporter. <i>Biomolecular NMR Assignments</i> , 2009, 3, 21-23.	0.8	2
2108	Implications of metal accumulation mechanisms to phytoremediation. <i>Environmental Science and Pollution Research</i> , 2009, 16, 162-175.	5.3	320
2109	Differential expression of genes in soybean in response to the causal agent of Asian soybean rust (<i>Phakopsora pachyrhizi</i> Sydow) is soybean growth stage-specific. <i>Theoretical and Applied Genetics</i> , 2009, 118, 359-70.	3.6	35
2110	The ATP-binding cassette family: a structural perspective. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 3111-3126.	5.4	92
2111	State-Dependent Block of Na ⁺ Channels by Articaine Via the Local Anesthetic Receptor. <i>Journal of Membrane Biology</i> , 2009, 229, 1-9.	2.1	14
2112	Membrane Porters of ATP-Binding Cassette Transport Systems Are Polyphyletic. <i>Journal of Membrane Biology</i> , 2009, 231, 1-9.	2.1	75
2113	Inventory and Comparative Evolution of the ABC Superfamily in the Genomes of <i>Phytophthora ramorum</i> and <i>Phytophthora sojae</i> . <i>Journal of Molecular Evolution</i> , 2009, 68, 563-575.	1.8	15
2114	The Repertoire and Evolution of ATP-Binding Cassette Systems in <i>Synechococcus</i> and <i>Prochlorococcus</i> . <i>Journal of Molecular Evolution</i> , 2009, 69, 300-310.	1.8	3
2115	Opening of the ADP-bound active site in the ABC transporter ATPase dimer: Evidence for a constant contact, alternating sites model for the catalytic cycle. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 75, 387-396.	2.6	100
2116	A network of dynamically conserved residues deciphers the motions of maltose transporter. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 76, 588-597.	2.6	14
2117	Regulation and function of root exudates. <i>Plant, Cell and Environment</i> , 2009, 32, 666-681.	5.7	1,569
2118	The ABC transporter BcatrB from <i>Botrytis cinerea</i> exports camalexin and is a virulence factor on <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2009, 58, 499-510.	5.7	178
2119	ABC transporters: the power to change. <i>Nature Reviews Molecular Cell Biology</i> , 2009, 10, 218-227.	37.0	1,105
2120	Data-driven homology modelling of glycoprotein in the ATP-bound state indicates flexibility of the transmembrane domains. <i>FEBS Journal</i> , 2009, 276, 964-972.	4.7	37
2121	Functional role of the linker region in purified human glycoprotein. <i>FEBS Journal</i> , 2009, 276, 3504-3516.	4.7	46
2122	Effects of CYP2C19 and MDR1 genotype on the eradication rate of <i>Helicobacter pylori</i> infection by triple therapy with pantoprazole, amoxicillin and clarithromycin. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2009, 24, 294-298.	2.8	20

#	ARTICLE	IF	CITATIONS
2123	Transcriptional activity of paddy soil bacterial communities. <i>Environmental Microbiology</i> , 2009, 11, 960-970.	3.8	72
2124	Functional and energetic characterization of P-gp-mediated doxorubicin transport in rainbow trout (<i>Oncorhynchus mykiss</i>) hepatocytes. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009, 149, 65-72.	2.6	13
2125	ABCG2: A perspective. <i>Advanced Drug Delivery Reviews</i> , 2009, 61, 3-13.	13.7	409
2126	Amino acid transport in thermophiles: characterization of an arginine-binding protein in <i>Thermotoga maritima</i> . <i>Molecular BioSystems</i> , 2009, 6, 142-151.	2.9	22
2127	An ABC Transporter Controls Export of a <i>Drosophila</i> Germ Cell Attractant. <i>Science</i> , 2009, 323, 943-946.	12.6	93
2128	Periplasmic Loop P2 of the MalF Subunit of the Maltose ATP Binding Cassette Transporter Is Sufficient To Bind the Maltose Binding Protein MalE. <i>Biochemistry</i> , 2009, 48, 2216-2225.	2.5	27
2129	The ABC transporter ATR1 is necessary for efflux of the toxin cercosporin in the fungus <i>Cercospora nicotianae</i> . <i>Fungal Genetics and Biology</i> , 2009, 46, 146-158.	2.1	37
2130	Emerging new paradigms for ABCG transporters. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009, 1791, 584-593.	2.4	100
2131	The role of the photoreceptor ABC transporter ABCA4 in lipid transport and Stargardt macular degeneration. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009, 1791, 573-583.	2.4	136
2132	Effects of temperature and pressure on the lateral organization of model membranes with functionally reconstituted multidrug transporter LmrA. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 390-401.	2.6	18
2133	The YheI/YheH heterodimer from <i>Bacillus subtilis</i> is a multidrug ABC transporter. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 615-622.	2.6	35
2134	Inhibition of human P-glycoprotein transport and substrate binding using a galantamine dimer. <i>Biochemical and Biophysical Research Communications</i> , 2009, 388, 672-676.	2.1	34
2135	Blood-brain barrier P-glycoprotein function decreases in specific brain regions with aging: A possible role in progressive neurodegeneration. <i>Neurobiology of Aging</i> , 2009, 30, 1818-1824.	3.1	139
2136	The origin of the genetic code and of the earliest oligopeptides. <i>Research in Microbiology</i> , 2009, 160, 481-486.	2.1	50
2137	Improved accumulation of ajmalicine and tetrahydroalstonine in <i>Catharanthus</i> cells expressing an ABC transporter. <i>Journal of Plant Physiology</i> , 2009, 166, 1405-1412.	3.5	21
2138	Nucleotide dependent packing differences in helical crystals of the ABC transporter MsbA. <i>Journal of Structural Biology</i> , 2009, 165, 169-175.	2.8	24
2139	Projection Structure of DtpD (YbgH), a Prokaryotic Member of the Peptide Transporter Family. <i>Journal of Molecular Biology</i> , 2009, 394, 708-717.	4.2	30
2140	Alternating Access in Maltose Transporter Mediated by Rigid-Body Rotations. <i>Molecular Cell</i> , 2009, 33, 528-536.	9.7	218

#	ARTICLE	IF	CITATIONS
2142	PEGylation of a Maltose Biosensor Promotes Enhanced Signal Response When Immobilized in a Silica Sol-gel. <i>Bioconjugate Chemistry</i> , 2009, 20, 2381-2384.	3.6	19
2144	ABC Transporters in <i>Saccharomyces cerevisiae</i> and Their Interactors: New Technology Advances the Biology of the ABCC (MRP) Subfamily. <i>Microbiology and Molecular Biology Reviews</i> , 2009, 73, 577-593.	6.6	161
2145	Expression, Purification, and Characterization of the Recombinant Putative Periplasmic Hemin-Binding Protein (HutB) of <i>Photobacterium damsela</i> subsp. <i>piscicida</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 1180-1183.	1.3	8
2146	Cadmium Phytotoxicity: Responses, Mechanisms and Mitigation Strategies: A Review. <i>Sustainable Agriculture Reviews</i> , 2009, , 371-403.	1.1	20
2147	Assessment of the CFTR and ENaC association. <i>Molecular BioSystems</i> , 2009, 5, 123-127.	2.9	120
2148	Structure and mechanism of ATP-binding cassette transporters. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 239-245.	4.0	344
2149	Effect of MDR1 gene promoter methylation in patients with ulcerative colitis. <i>International Journal of Molecular Medicine</i> , 2009, 23, 521-7.	4.0	56
2150	Phospholipids: Key Players in Apoptosis and Immune Regulation. <i>Molecules</i> , 2009, 14, 4892-4914.	3.8	126
2152	Function and Frustration of Multi-Drug ABC Exporter Protein and Design of Model Proteins for Drug Delivery Using Protein Hydration Thermodynamics. <i>Current Pharmaceutical Design</i> , 2009, 15, 2833-2867.	1.9	7
2153	Blood-Brain-Barrier Models for the Investigation of Transporter- and Receptor-Mediated Amyloid- β Clearance in Alzheimers Disease. <i>Current Alzheimer Research</i> , 2010, 7, 578-590.	1.4	29
2154	High-Density Lipoprotein: Key Molecule in Cholesterol Efflux and the Prevention of Atherosclerosis. <i>Current Pharmaceutical Design</i> , 2010, 16, 1445-1467.	1.9	42
2155	Inventory and analysis of ATP-binding cassette (ABC) systems in <i>Brugia malayi</i> . <i>Parasitology</i> , 2010, 137, 1195-1212.	1.5	23
2156	Structural Contributions of Substrates to their Binding to P-Glycoprotein. A TOPSMODE Approach. <i>Current Pharmaceutical Design</i> , 2010, 16, 2676-2709.	1.9	41
2157	Expression and localization of cystic fibrosis transmembrane conductance regulator in human gingiva. <i>Cell Biology International</i> , 2010, 34, 147-152.	3.0	5
2158	Relative roles of various efflux pathways in net cholesterol efflux from macrophage foam cells in atherosclerotic lesions. <i>Current Opinion in Lipidology</i> , 2010, 21, 441-453.	2.7	50
2159	Emerging New Technology: QSAR Analysis and MO Calculation to Characterize Interactions of Protein Kinase Inhibitors with the Human ABC Transporter, ABCG2 (BCRP). <i>Drug Metabolism and Pharmacokinetics</i> , 2010, 25, 72-83.	2.2	8
2160	Doxorubicin fails to eradicate cancer stem cells derived from anaplastic thyroid carcinoma cells: Characterization of resistant cells. <i>International Journal of Oncology</i> , 2010, 37, 307-15.	3.3	58
2161	P-Glycoprotein Transporter Expression on A549 Respiratory Epithelial Cells is Positively Correlated with Intracellular Dexamethasone Levels. <i>Journal of Investigative Medicine</i> , 2010, 58, 991-994.	1.6	5

#	ARTICLE	IF	CITATIONS
2162	A Novel MDR1 GT1292-3TG (Cys431Leu) Genetic Variation and Its Effect on P-glycoprotein Biologic Functions. <i>AAPS Journal</i> , 2010, 12, 548-555.	4.4	7
2163	The effect of food components on the absorption of P-gp substrates: a review. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 55, 153-162.	2.4	67
2164	Genetically Engineered Proteins as Recognition Receptors. , 2010, , 531-563.		1
2165	Nanomedicinal strategies to treat multidrug-resistant tumors: current progress. <i>Nanomedicine</i> , 2010, 5, 597-615.	3.3	280
2166	Normal Mode Analysis of Biomolecular Structures: Functional Mechanisms of Membrane Proteins. <i>Chemical Reviews</i> , 2010, 110, 1463-1497.	47.7	461
2167	Elastic-contractile model proteins: Physical chemistry, protein function and drug design and delivery. <i>Advanced Drug Delivery Reviews</i> , 2010, 62, 1404-1455.	13.7	49
2168	Overexpression of SNG1 causes 6-azauracil resistance in <i>Saccharomyces cerevisiae</i> . <i>Current Genetics</i> , 2010, 56, 251-263.	1.7	32
2169	Biogenesis of bacterial inner-membrane proteins. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 2343-2362.	5.4	30
2170	Characterization of the substrate-binding PotD subunit in <i>Synechocystis</i> sp. strain PCC 6803. <i>Archives of Microbiology</i> , 2010, 192, 791-801.	2.2	9
2171	Effects of carbon and nitrogen sources on the proteome of <i>Pseudomonas aeruginosa</i> PA1 during rhamnolipid production. <i>Process Biochemistry</i> , 2010, 45, 1504-1510.	3.7	28
2172	ABCB1/MDR1 gene polymorphisms as a prognostic factor in colorectal cancer. <i>International Journal of Colorectal Disease</i> , 2010, 25, 1167-1176.	2.2	44
2173	Wheat defense genes in fungal (<i>Puccinia striiformis</i>) infection. <i>Functional and Integrative Genomics</i> , 2010, 10, 227-239.	3.5	37
2174	GintABC1 encodes a putative ABC transporter of the MRP subfamily induced by Cu, Cd, and oxidative stress in <i>Glomus intraradices</i> . <i>Mycorrhiza</i> , 2010, 20, 137-146.	2.8	76
2175	Selective inhibition of MDR1 (ABCB1) by HM30181 increases oral bioavailability and therapeutic efficacy of paclitaxel. <i>European Journal of Pharmacology</i> , 2010, 627, 92-98.	3.5	74
2176	A structural classification of substrate-binding proteins. <i>FEBS Letters</i> , 2010, 584, 2606-2617.	2.8	461
2177	Structural Water Drives Self-assembly of Organic Rosette Nanotubes and Holds Host Atoms in the Channel. <i>ChemPhysChem</i> , 2010, 11, 361-367.	2.1	43
2178	A MAS NMR Study of the Bacterial ABC Transporter ArtMP. <i>ChemBioChem</i> , 2010, 11, 547-555.	2.6	37
2179	Inhibition of P-glycoprotein-induced Multidrug Resistance by a Clerodane-type Diterpenoid from <i>Sindora sumatrana</i> . <i>Chemistry and Biodiversity</i> , 2010, 7, 2095-2101.	2.1	5

#	ARTICLE	IF	CITATIONS
2180	Enhancement of avermectin and ivermectin production by overexpression of the maltose ATP-binding cassette transporter in <i>Streptomyces avermitilis</i> . <i>Bioresource Technology</i> , 2010, 101, 9228-9235.	9.6	35
2181	Structures of the nucleotide-binding domain of the human ABCB6 transporter and its complexes with nucleotides. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2010, 66, 979-987.	2.5	12
2182	Integrated biophysical studies implicate partial unfolding of NBD1 of CFTR in the molecular pathogenesis of F508del cystic fibrosis. <i>Protein Science</i> , 2010, 19, 1932-1947.	7.6	89
2183	Role of the plasma membrane leaflets in drug uptake and multidrug resistance. <i>FEBS Journal</i> , 2010, 277, 1234-1244.	4.7	16
2184	The phage shock protein PspA facilitates divalent metal transport and is required for virulence of <i>Salmonella enterica</i> sv. Typhimurium. <i>Molecular Microbiology</i> , 2010, 78, 669-685.	2.5	88
2185	A distinct mechanism for the ABC transporter BtuCD-BtuF revealed by the dynamics of complex formation. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 332-338.	8.2	105
2186	Overexpression of AtABCG36 improves drought and salt stress resistance in <i>Arabidopsis</i> . <i>Physiologia Plantarum</i> , 2010, 139, 170-180.	5.2	124
2187	ABC proteins in antigen translocation and viral inhibition. <i>Nature Chemical Biology</i> , 2010, 6, 572-580.	8.0	106
2188	Efflux Pump Inhibitor Potentiates Antimicrobial Photodynamic Inactivation of <i>Enterococcus faecalis</i> Biofilm. <i>Photochemistry and Photobiology</i> , 2010, 86, 1343-1349.	2.5	99
2189	An update on the ABCC transporter family in plants: many genes, many proteins, but how many functions?. <i>Plant Biology</i> , 2010, 12, 15-25.	3.8	67
2190	Hereditary sideroblastic anemias. , 0, , 260-273.		0
2191	The P-glycoprotein Inhibitor GF120918 Modulates Ca ²⁺ -Dependent Processes and Lipid Metabolism in <i>Toxoplasma Gondii</i> . <i>PLoS ONE</i> , 2010, 5, e10062.	2.5	14
2192	Genome-Wide Comparative Gene Family Classification. <i>PLoS ONE</i> , 2010, 5, e13409.	2.5	25
2193	Phenotypic variability in a family with x-linked adrenoleukodystrophy caused by the p.Trp132Ter mutation. <i>Arquivos Brasileiros De Endocrinologia E Metabologia</i> , 2010, 54, 738-743.	1.3	8
2194	Psychosis associated with leukodystrophies. , 2010, , 241-256.		2
2195	Application of representational difference analysis to identify genomic differences between <i>Bradyrhizobium elkanii</i> and <i>B. japonicum</i> species. <i>Brazilian Journal of Microbiology</i> , 2010, 41, 1142-1151.	2.0	0
2196	ATP-independent CFTR channel gating and allosteric modulation by phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3888-3893.	7.1	75
2197	The H-loop in the Second Nucleotide-binding Domain of the Cystic Fibrosis Transmembrane Conductance Regulator is Required for Efficient Chloride Channel Closing. <i>Cellular Physiology and Biochemistry</i> , 2010, 25, 169-180.	1.6	10

#	ARTICLE	IF	CITATIONS
2198	Two <i>Medicago truncatula</i> Half-ABC Transporters Are Essential for Arbuscule Development in Arbuscular Mycorrhizal Symbiosis. <i>Plant Cell</i> , 2010, 22, 1483-1497.	6.6	223
2199	Tonoplast-localized Abc2 Transporter Mediates Phytochelatin Accumulation in Vacuoles and Confers Cadmium Tolerance. <i>Journal of Biological Chemistry</i> , 2010, 285, 40416-40426.	3.4	87
2200	A Multitask ATPase Serving Different ABC-Type Sugar Importers in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2010, 192, 5312-5318.	2.2	53
2201	ABC Transporters and Drug Efflux at the Blood-Brain Barrier. <i>Reviews in the Neurosciences</i> , 2010, 21, 29-53.	2.9	89
2202	Direct and Coordinate Regulation of ATP-binding Cassette Transporter Genes by Myc Factors Generates Specific Transcription Signatures That Significantly Affect the Chemoresistance Phenotype of Cancer Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 19532-19543.	3.4	96
2203	Tegillarca granosa extract Haishengsu inhibits the expression of p-glycoprotein and induces apoptosis in drug-resistant K562/ADM cells. <i>Pharmaceutical Biology</i> , 2010, 48, 529-533.	2.9	12
2204	Interaction of Extracellular Domain 2 of the Human Retina-specific ATP-binding Cassette Transporter (ABCA4) with All-trans-retinal. <i>Journal of Biological Chemistry</i> , 2010, 285, 19372-19383.	3.4	19
2205	ABA transport factors found in Arabidopsis ABC transporters. <i>Plant Signaling and Behavior</i> , 2010, 5, 1124-1126.	2.4	47
2206	Drug resistance in leishmaniasis. <i>Journal of Global Infectious Diseases</i> , 2010, 2, 167.	0.5	210
2207	Characterization of functional activity of ABCB1 and ABCC1 proteins in eggs and embryonic cells of the sea urchin <i>Echinometra lucunter</i> . <i>Bioscience Reports</i> , 2010, 30, 257-265.	2.4	11
2208	Interaction of Tyrosine Kinase Inhibitors with the MDR-Related ABC Transporter Proteins. <i>Current Drug Metabolism</i> , 2010, 11, 618-628.	1.2	40
2209	Human Multidrug Resistance-1 Gene Expression Levels in Graves-Basedow Disease. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2010, 118, 158-160.	1.2	3
2211	Interactions of dietary phytochemicals with ABC transporters: possible implications for drug disposition and multidrug resistance in cancer. <i>Drug Metabolism Reviews</i> , 2010, 42, 590-611.	3.6	43
2212	Enhanced oral paclitaxel bioavailability after administration of paclitaxel-loaded nanosponges. <i>Drug Delivery</i> , 2010, 17, 419-425.	5.7	116
2213	Organic field-effect transistor-based biosensors functionalized with protein receptors. <i>Journal of Applied Physics</i> , 2010, 108, 124501.	2.5	31
2214	Xenopus laevis oocytes expressing human P-glycoprotein: Probing trans- and cis-inhibitory effects on [3H]vinblastine and [3H]digoxin efflux. <i>Pharmacological Research</i> , 2010, 61, 76-84.	7.1	12
2215	Characterization of PXR mediated P-glycoprotein regulation in intestinal LS174T cells. <i>Pharmacological Research</i> , 2010, 62, 426-431.	7.1	27
2216	Cellular Permeability. , 2010, , 23-49.		0

#	ARTICLE	IF	CITATIONS
2217	Amino acid transport in thermophiles: characterization of an arginine-binding protein in <i>Thermotoga maritima</i> . 2. Molecular organization and structural stability. <i>Molecular BioSystems</i> , 2010, 6, 687.	2.9	20
2218	<i>In Situ</i> Misfolding of Human Islet Amyloid Polypeptide at Interfaces Probed by Vibrational Sum Frequency Generation. <i>Journal of the American Chemical Society</i> , 2010, 132, 5405-5412.	13.7	177
2219	ABC transporter AtABCG25 is involved in abscisic acid transport and responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2361-2366.	7.1	494
2220	Orphan and hybrid two-component system proteins in health and disease. <i>Current Opinion in Microbiology</i> , 2010, 13, 226-231.	5.1	42
2221	Structure and Dynamics of NBD1 from CFTR Characterized Using Crystallography and Hydrogen/Deuterium Exchange Mass Spectrometry. <i>Journal of Molecular Biology</i> , 2010, 396, 406-430.	4.2	120
2222	ATP Binding, ATP Hydrolysis, and Protein Dimerization Are Required for RecF to Catalyze an Early Step in the Processing and Recovery of Replication Forks Disrupted by DNA Damage. <i>Journal of Molecular Biology</i> , 2010, 401, 579-589.	4.2	9
2223	Commonly used nonionic surfactants interact differently with the human efflux transporters ABCB1 (p-glycoprotein) and ABCC2 (MRP2). <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 76, 260-268.	4.3	81
2224	Studying subunit-subunit interactions in a bacterial ABC transporter by in vitro assembly. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1250-1253.	2.6	7
2225	Defective lipid transport and biosynthesis in recessive and dominant Stargardt macular degeneration. <i>Progress in Lipid Research</i> , 2010, 49, 476-492.	11.6	73
2226	Influence of ABCB1 genetic polymorphisms on the pharmacokinetics of levosulpiride in healthy subjects. <i>Neuroscience</i> , 2010, 169, 378-387.	2.3	19
2227	Molecular Basis of the Core Regulatory Network in ABA Responses: Sensing, Signaling and Transport. <i>Plant and Cell Physiology</i> , 2010, 51, 1821-1839.	3.1	800
2228	Neuro-Ophthalmologic Manifestations of Neurodegenerative Disease in Childhood. , 2010, , 465-501.		0
2229	Vitamin E TPGS P-Glycoprotein Inhibition Mechanism: Influence on Conformational Flexibility, Intracellular ATP Levels, and Role of Time and Site of Access. <i>Molecular Pharmaceutics</i> , 2010, 7, 642-651.	4.6	186
2230	Lessons Learned from UvrD Helicase: Mechanism for Directional Movement. <i>Annual Review of Biophysics</i> , 2010, 39, 367-385.	10.0	48
2231	Muscle K ^{ATP} Channels: Recent Insights to Energy Sensing and Myoprotection. <i>Physiological Reviews</i> , 2010, 90, 799-829.	28.8	232
2232	Role of nanomedicine in reversing drug resistance mediated by ATP binding cassette transporters and P-glycoprotein in melanoma. <i>Nanomedicine</i> , 2011, 6, 701-714.	3.3	13
2233	Quaternary Structure and Functional Unit of Energy Coupling Factor (ECF)-type Transporters*. <i>Journal of Biological Chemistry</i> , 2011, 286, 5471-5475.	3.4	47
2234	Proteomic Analysis of Membrane Proteins from <i>Streptococcus pneumoniae</i> with Multiple Separation Methods Plus High Accuracy Mass Spectrometry. <i>OMICS A Journal of Integrative Biology</i> , 2011, 15, 683-694.	2.0	16

#	ARTICLE	IF	CITATIONS
2235	Molecular-Dynamics Simulations of the ATP/apo State of a Multidrug ATP-Binding Cassette Transporter Provide a Structural and Mechanistic Basis for the Asymmetric Occluded State. Biophysical Journal, 2011, 100, 3025-3034.	0.5	46
2236	Plant ABC Transporters. The Arabidopsis Book, 2011, 9, e0153.	0.5	401
2237	Catalytic and transport cycles of ABC exporters. Essays in Biochemistry, 2011, 50, 63-83.	4.7	46
2240	Biological Control of Plant-Parasitic Nematodes., 2011, , .		25
2241	Drug Transporters. Handbook of Experimental Pharmacology, 2011, , .	1.8	17
2242	The heme uptake process in Trypanosoma cruzi epimastigotes is inhibited by heme analogues and by inhibitors of ABC transporters. Acta Tropica, 2011, 120, 211-218.	2.0	35
2243	Non-reducing trisaccharide fatty acid monoesters: Novel detergents in membrane biochemistry. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 717-726.	2.6	19
2244	Influence of detergents on the activity of the ABC transporter LmrA. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2313-2321.	2.6	22
2245	The Emergence of Drug Transporter-Mediated Multidrug Resistance to Cancer Chemotherapy. Molecular Pharmaceutics, 2011, 8, 1996-2011.	4.6	199
2246	Anthelmintics Are Substrates and Activators of Nematode P Glycoprotein. Antimicrobial Agents and Chemotherapy, 2011, 55, 2224-2232.	3.2	40
2247	Cord blood-derived cytokine-induced killer cells biotherapy combined with second-line chemotherapy in the treatment of advanced solid malignancies. International Immunopharmacology, 2011, 11, 449-456.	3.8	55
2248	Role of Efflux Pump Inhibitors on the Antibiofilm Efficacy of Calcium Hydroxide, Chitosan Nanoparticles, and Light-activated Disinfection. Journal of Endodontics, 2011, 37, 1422-1426.	3.1	49
2249	Arabidopsis mutant of AtABCG26, an ABC transporter gene, is defective in pollen maturation. Journal of Plant Physiology, 2011, 168, 2001-2005.	3.5	35
2250	Emerging role for drug transporters at the bloodâ€“testis barrier. Trends in Pharmacological Sciences, 2011, 32, 99-106.	8.7	82
2251	The ABC transporters in lipid flux and atherosclerosis. Progress in Lipid Research, 2011, 50, 213-224.	11.6	74
2252	ATP-Binding Cassette Transporters Modulate Both Coelenterazine- and D-Luciferin-Based Bioluminescence Imaging. Molecular Imaging, 2011, 10, 7290.2010.00045.	1.4	13
2253	EGFR tyrosine kinase inhibitors and multidrug resistance: perspectives. Frontiers in Bioscience - Landmark, 2011, 16, 1811.	3.0	15
2254	Sequestration and Transport of Lignin Monomeric Precursors. Molecules, 2011, 16, 710-727.	3.8	64

#	ARTICLE	IF	CITATIONS
2255	Oral Bioavailability and Disposition of Phytochemicals. , 0, , .		3
2256	The plastid outer envelope “ a highly dynamic interface between plastid and cytoplasm. <i>Frontiers in Plant Science</i> , 2011, 2, 97.	3.6	56
2257	Novel exon nucleotide deletion causes adrenoleukodystrophy in a Brazilian family. <i>Genetics and Molecular Research</i> , 2011, 10, 65-74.	0.2	3
2258	A New Highly Conserved Antibiotic Sensing/Resistance Pathway in Firmicutes Involves an ABC Transporter Interplaying with a Signal Transduction System. <i>PLoS ONE</i> , 2011, 6, e15951.	2.5	28
2259	Blood-Brain Barrier P-Glycoprotein Function in Neurodegenerative Disease. <i>Current Pharmaceutical Design</i> , 2011, 17, 2771-2777.	1.9	73
2260	ATP-Binding Cassette Efflux Transporters in Human Placenta. <i>Current Pharmaceutical Biotechnology</i> , 2011, 12, 674-685.	1.6	79
2261	Medical Attributes of St. John's Wort (<i>Hypericum perforatum</i>). <i>Oxidative Stress and Disease</i> , 2011, , 211-237.	0.3	32
2262	Evolution of ABC transporters by gene duplication and their role in human disease. <i>Biological Chemistry</i> , 2011, 392, 29-37.	2.5	84
2263	Arabidopsis mutants of <i>AtABCG22</i> , an ABC transporter gene, increase water transpiration and drought susceptibility. <i>Plant Journal</i> , 2011, 67, 885-894.	5.7	164
2264	Positional cloning of silkworm white egg 2 (w-2) locus shows functional conservation and diversification of ABC transporters for pigmentation in insects. <i>Genes To Cells</i> , 2011, 16, 331-342.	1.2	62
2265	A new ATP-binding cassette protein is involved in intracellular haem trafficking in <i>Leishmania</i> . <i>Molecular Microbiology</i> , 2011, 79, 1430-1444.	2.5	36
2266	Influence of <i>ABCB1</i> genetic polymorphisms on the pharmacokinetics of risperidone in healthy subjects with <i>CYP2D6</i> . <i>British Journal of Pharmacology</i> , 2011, 164, 433-443.	5.4	41
2267	Mammalian peroxisomal ABC transporters: from endogenous substrates to pathology and clinical significance. <i>British Journal of Pharmacology</i> , 2011, 164, 1753-1766.	5.4	93
2268	Melanoma stem cells: not rare, but well done. <i>Laboratory Investigation</i> , 2011, 91, 647-664.	3.7	70
2269	Prognostic value of ABCG2 in moderately and poorly differentiated intrahepatic cholangiocarcinoma. <i>Histopathology</i> , 2011, 59, 235-246.	2.9	16
2270	Classification of a <i>Haemophilus influenzae</i> ABC Transporter HI1470/71 through Its Cognate Molybdate Periplasmic Binding Protein, Mola. <i>Structure</i> , 2011, 19, 1701-1710.	3.3	29
2271	Type II ABC Permeases: Are They Really So Different?. <i>Structure</i> , 2011, 19, 1540-1542.	3.3	2
2272	Delineation of the Pasteurellaceae-specific GbpA-family of glutathione-binding proteins. <i>BMC Biochemistry</i> , 2011, 12, 59.	4.4	8

#	ARTICLE	IF	CITATIONS
2273	Essential involvement of the <i>Bacillus subtilis</i> ABC transporter, EcsB, in genetic transformation of purified DNA but not native DNA from protoplast lysates. <i>Journal of Bioscience and Bioengineering</i> , 2011, 112, 209-214.	2.2	4
2274	Model for Membrane Organization and Protein Sorting in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803 Inferred from Proteomics and Multivariate Sequence Analyses. <i>Journal of Proteome Research</i> , 2011, 10, 3617-3631.	3.7	79
2275	Overcoming drug resistance in pancreatic cancer. <i>Expert Opinion on Therapeutic Targets</i> , 2011, 15, 817-828.	3.4	194
2276	The Role of the Sodium-Taurocholate Cotransporting Polypeptide (NTCP) and of the Bile Salt Export Pump (BSEP) in Physiology and Pathophysiology of Bile Formation. <i>Handbook of Experimental Pharmacology</i> , 2011, , 205-259.	1.8	230
2277	Influence of MDR1 Polymorphism on <i>H. pylori</i> -Related Chronic Gastritis. <i>Digestive Diseases and Sciences</i> , 2011, 56, 103-108.	2.3	9
2278	Identification and characterization of a heme periplasmic-binding protein in <i>Haemophilus ducreyi</i> . <i>BioMetals</i> , 2011, 24, 709-722.	4.1	2
2279	Two novel SNPs of the ABCG2 gene and its associations with milk traits in Chinese Holsteins. <i>Molecular Biology Reports</i> , 2011, 38, 2927-2932.	2.3	16
2280	Why OppA protein can bind sequence-independent peptides? A combination of QM/MM, PB/SA, and structure-based QSAR analyses. <i>Amino Acids</i> , 2011, 40, 493-503.	2.7	39
2281	A phase I pharmacokinetics study of 9-nitrocamptothecin in patients with advanced solid tumors. <i>Cancer Chemotherapy and Pharmacology</i> , 2011, 67, 955-961.	2.3	3
2282	Design and probing of efflux functions of EGFP fused ABC membrane transporters in live cells using fluorescence spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 223-235.	3.7	10
2283	Distribution of Putative Virulence Genes and Antimicrobial Drug Resistance in <i>Vibrio harveyi</i> . <i>Indian Journal of Microbiology</i> , 2011, 51, 332-337.	2.7	9
2284	Backbone chemical shifts assignments of d-allose binding protein in the free form and in complex with d-allose. <i>Biomolecular NMR Assignments</i> , 2011, 5, 31-34.	0.8	2
2285	Interplay of pharmacogenetic variations in ABCB1 transporters and cytochrome P450 enzymes. <i>Archives of Pharmacal Research</i> , 2011, 34, 1817-1828.	6.3	16
2286	Expression, crystallization and preliminary X-ray analysis of a ferric binding protein from <i>Thermus thermophilus</i> HB8. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 723-726.	0.7	5
2287	Crystallization and preliminary X-ray crystallographic analysis of ligand-free and arginine-bound forms of <i>Thermotoga maritima</i> arginine-binding protein. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 1462-1465.	0.7	12
2288	Comparison of membrane proteins of <i>Mycobacterium tuberculosis</i> H37Rv and H37Ra strains. <i>BMC Microbiology</i> , 2011, 11, 18.	3.3	75
2289	Proteomics analysis of <i>Bifidobacterium longum</i> NCC2705 growing on glucose, fructose, mannose, xylose, ribose, and galactose. <i>Proteomics</i> , 2011, 11, 2628-2638.	2.2	31
2290	Safety of food crops on land contaminated with trace elements. <i>Journal of the Science of Food and Agriculture</i> , 2011, 91, 1349-1366.	3.5	54

#	ARTICLE	IF	CITATIONS
2291	Role of membrane dynamics processes and exogenous molecules in cellular resveratrol uptake: Consequences in bioavailability and activities. <i>Molecular Nutrition and Food Research</i> , 2011, 55, 1142-1153.	3.3	43
2292	The history of the discovery of the molybdenum cofactor and novel aspects of its biosynthesis in bacteria. <i>Coordination Chemistry Reviews</i> , 2011, 255, 1129-1144.	18.8	116
2293	Efflux Pumps of the Resistance-Modulation-Division Family: A Perspective of their Structure, Function, and Regulation in Gram-Negative Bacteria. <i>Advances in Enzymology and Related Areas of Molecular Biology</i> , 2011, 77, 109-146.	1.3	42
2294	An in silico analysis of osmotolerance in the emerging gastrointestinal pathogen <i>Cronobacter sakazakii</i> . <i>Bioengineered Bugs</i> , 2011, 2, 260-270.	1.7	44
2295	Characterization of the mmsAB-araD1 (gguABC) Genes of <i>Agrobacterium tumefaciens</i> . <i>Journal of Bacteriology</i> , 2011, 193, 6586-6596.	2.2	21
2296	Validation of the Intact Zwittermicin A Biosynthetic Gene Cluster and Discovery of a Complementary Resistance Mechanism in <i>Bacillus thuringiensis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 4161-4169.	3.2	33
2297	Exploiting Genomics to Understand the Interactions Between Root-Knot Nematodes and <i>Pasteuria penetrans</i> . , 2011, , 91-113.		4
2298	Lateral Transfer of Genes and Gene Fragments in <i>Staphylococcus</i> Extends beyond Mobile Elements. <i>Journal of Bacteriology</i> , 2011, 193, 3964-3977.	2.2	38
2299	High phosphate uptake requirements of the scleractinian coral <i>Stylophora pistillata</i> . <i>Journal of Experimental Biology</i> , 2011, 214, 2749-2754.	1.7	40
2300	The lysosomal polypeptide transporter TAPL: more than a housekeeping factor?. <i>Biological Chemistry</i> , 2011, 392, 61-6.	2.5	15
2301	Recognition of Sulfonylurea Receptor (ABCC8/9) Ligands by the Multidrug Resistance Transporter P-glycoprotein (ABCB1). <i>Journal of Biological Chemistry</i> , 2011, 286, 3552-3569.	3.4	27
2302	Unravelling the folding and stability of an ABC (ATP-binding cassette) transporter. <i>Biochemical Society Transactions</i> , 2011, 39, 751-760.	3.4	7
2303	The choreography of multidrug export. <i>Biochemical Society Transactions</i> , 2011, 39, 807-811.	3.4	11
2304	Structural and Functional Insights into <i>Aeropyrum pernix</i> OppA, a Member of a Novel Archaeal OppA Subfamily. <i>Journal of Bacteriology</i> , 2011, 193, 620-630.	2.2	6
2305	Molecular Mechanisms and Therapeutic Application of NSAIDs and Derived Compounds in Alzheimers Disease. <i>Current Alzheimer Research</i> , 2011, 8, 115-131.	1.4	42
2306	Conformational Analysis of Human ATP-binding Cassette Transporter ABCB1 in Lipid Nanodiscs and Inhibition by the Antibodies MRK16 and UIC2. <i>Journal of Biological Chemistry</i> , 2011, 286, 39489-39496.	3.4	65
2307	Asymmetric ATP Hydrolysis Cycle of the Heterodimeric Multidrug ABC Transport Complex TmrAB from <i>Thermus thermophilus</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 7104-7115.	3.4	54
2308	In Vitro Folding and Assembly of the <i>Escherichia coli</i> ATP-binding Cassette Transporter, BtuCD. <i>Journal of Biological Chemistry</i> , 2011, 286, 18807-18815.	3.4	19

#	ARTICLE	IF	CITATIONS
2309	The Yeast Plasma Membrane ATP Binding Cassette (ABC) Transporter Aus1. <i>Journal of Biological Chemistry</i> , 2011, 286, 21835-21843.	3.4	35
2310	Sequences in the Nonconsensus Nucleotide-binding Domain of ABCG5/ABCG8 Required for Sterol Transport. <i>Journal of Biological Chemistry</i> , 2011, 286, 7308-7314.	3.4	29
2311	Conservation of targeting but divergence in function and quality control of peroxisomal ABC transporters: an analysis using cross-kingdom expression. <i>Biochemical Journal</i> , 2011, 436, 547-557.	3.7	41
2312	Revisiting the ABCs of Multidrug Resistance in Cancer Chemotherapy. <i>Current Pharmaceutical Biotechnology</i> , 2011, 12, 570-594.	1.6	185
2313	Inter-domain Communication Mechanisms in an ABC Importer: A Molecular Dynamics Study of the MalFGK2E Complex. <i>PLoS Computational Biology</i> , 2011, 7, e1002128.	3.2	28
2314	A Role for Both Conformational Selection and Induced Fit in Ligand Binding by the LAO Protein. <i>PLoS Computational Biology</i> , 2011, 7, e1002054.	3.2	201
2315	Characterization of a transport activity for long-chain peptides in barley mesophyll vacuoles. <i>Journal of Experimental Botany</i> , 2011, 62, 2403-2410.	4.8	16
2316	Influence of ATP-Binding Cassette Transporters in Root Exudation of Phytoalexins, Signals, and in Disease Resistance. <i>Frontiers in Plant Science</i> , 2012, 3, 149.	3.6	26
2317	Fungal Biofilm Resistance. <i>International Journal of Microbiology</i> , 2012, 2012, 1-14.	2.3	403
2318	ATP-Binding Cassette Transporter G1 Intrinsically Regulates Invariant NKT Cell Development. <i>Journal of Immunology</i> , 2012, 189, 5129-5138.	0.8	15
2319	Deciphering the Enigma of Lignification: Precursor Transport, Oxidation, and the Topochemistry of Lignin Assembly. <i>Molecular Plant</i> , 2012, 5, 304-317.	8.3	166
2320	Structure and Ligand-based Design of P-glycoprotein Inhibitors: A Historical Perspective. <i>Current Pharmaceutical Design</i> , 2012, 18, 4197-4214.	1.9	43
2321	The role of ABC transporters in progression and clinical outcome of colorectal cancer. <i>Mutagenesis</i> , 2012, 27, 187-196.	2.6	198
2322	Structural divergence of paralogous S components from ECF-type ABC transporters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13990-13995.	7.1	57
2323	Substrate Transport Activation Is Mediated through Second Periplasmic Loop of Transmembrane Protein MalF in Maltose Transport Complex of <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 17040-17049.	3.4	16
2324	Fructose Uptake in <i>Bifidobacterium longum</i> NCC2705 Is Mediated by an ATP-binding Cassette Transporter. <i>Journal of Biological Chemistry</i> , 2012, 287, 357-367.	3.4	19
2325	The Lipoprotein LpqW Is Essential for the Mannosylation of Periplasmic Glycolipids in <i>Corynebacteria</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 42726-42738.	3.4	25
2326	Mechanism of Amphotericin B Resistance in Clinical Isolates of <i>Leishmania donovani</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 1031-1041.	3.2	256

#	ARTICLE	IF	CITATIONS
2327	TGD1, -2, and -3 Proteins Involved in Lipid Trafficking Form ATP-binding Cassette (ABC) Transporter with Multiple Substrate-binding Proteins. <i>Journal of Biological Chemistry</i> , 2012, 287, 21406-21415.	3.4	89
2328	The Human Transporter Associated with Antigen Processing. <i>Journal of Biological Chemistry</i> , 2012, 287, 28099-28111.	3.4	26
2329	Host-Fungal Interactions: Pathogenicity versus Immunity. <i>International Journal of Microbiology</i> , 2012, 2012, 1-2.	2.3	2
2330	Subretinal Fibrosis in Stargardt's Disease with Fundus Flavimaculatus and ABCA4 Gene Mutation. <i>Case Reports in Ophthalmology</i> , 2012, 3, 410-417.	0.7	17
2331	Expression of multidrug resistance-associated proteins in paediatric soft tissue sarcomas before and after chemotherapy. <i>International Journal of Oncology</i> , 2012, 41, 117-24.	3.3	4
2332	Prokaryotic Substrate-Binding Proteins as Targets for Antimicrobial Therapies. <i>Current Drug Targets</i> , 2012, 13, 1400-1410.	2.1	35
2333	Transport Proteins Regulate the Flux of Metabolites and Cofactors Across the Membrane of Plant Peroxisomes. <i>Frontiers in Plant Science</i> , 2012, 3, 3.	3.6	37
2334	Role of ABC transporters in cancer chemotherapy. <i>Chinese Journal of Cancer</i> , 2012, 31, 51-57.	4.9	103
2336	Study of Cnidarian-Algal Symbiosis in the "Omics" Age. <i>Biological Bulletin</i> , 2012, 223, 44-65.	1.8	82
2337	Expression of the 49 human ATP binding cassette (ABC) genes in pluripotent embryonic stem cells and in early- and late-stage multipotent mesenchymal stem cells. <i>Cell Cycle</i> , 2012, 11, 1611-1620.	2.6	43
2338	Mammalian drug efflux transporters of the ATP binding cassette (ABC) family: an overview. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 138-153.	13.7	903
2339	Analytical Approaches for Studying Transporters, Channels and Porins. <i>Chemical Reviews</i> , 2012, 112, 6227-6249.	47.7	42
2340	Drug Therapy in Pregnant and Nursing Women. , 2012, , 395-416.		1
2341	Synthesis, characterization and anticancer activity of 3-aza-analogues of DP-7. <i>Medicinal Chemistry Research</i> , 2012, 21, 4002-4009.	2.4	13
2342	The role of ATP-binding cassette transporters in bacterial pathogenicity. <i>Protoplasma</i> , 2012, 249, 919-942.	2.1	87
2343	An ABC transporter complex containing S-adenosylmethionine (SAM)-induced ATP-binding protein is involved in antibiotics production and SAM signaling in <i>Streptomyces coelicolor</i> M145. <i>Biotechnology Letters</i> , 2012, 34, 1907-1914.	2.2	7
2344	The effect of ABCG1 deficiency on atherosclerotic lesion development in LDL receptor knockout mice depends on the stage of atherogenesis. <i>Atherosclerosis</i> , 2012, 221, 41-47.	0.8	61
2345	Analyzing Fission Yeast Multidrug Resistance Mechanisms to Develop a Genetically Tractable Model System for Chemical Biology. <i>Chemistry and Biology</i> , 2012, 19, 893-901.	6.0	36

#	ARTICLE	IF	CITATIONS
2346	Role of the D-Loops in Allosteric Control of ATP Hydrolysis in an ABC Transporter. <i>Journal of Physical Chemistry A</i> , 2012, 116, 3004-3013.	2.5	58
2347	Cloning and functional expression of novel cholesterol transporters ABCG1 and ABCG4 in gonadotropin-releasing hormone neurons of the tilapia. <i>Neuroscience</i> , 2012, 203, 39-49.	2.3	5
2348	Perspectives on the structure–function of ABC transporters: The Switch and Constant Contact Models. <i>Progress in Biophysics and Molecular Biology</i> , 2012, 109, 95-107.	2.9	103
2349	Crystal Structures of Two Solute Receptors for L-Cystine and L-Cysteine, Respectively, of the Human Pathogen <i>Neisseria gonorrhoeae</i> . <i>Journal of Molecular Biology</i> , 2012, 415, 560-572.	4.2	35
2350	Structural Basis of Substrate Binding Specificity Revealed by the Crystal Structures of Polyamine Receptors SpuD and SpuE from <i>Pseudomonas aeruginosa</i> . <i>Journal of Molecular Biology</i> , 2012, 416, 697-712.	4.2	37
2351	Peroxisomal ABC transporters: Structure, function and role in disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 1387-1396.	3.8	142
2352	Comparative analyses of transport proteins encoded within the genomes of <i>Mycobacterium tuberculosis</i> and <i>Mycobacterium leprae</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 776-797.	2.6	24
2353	Purification and crystallization of the ABC-type transport substrate-binding protein OppA from <i>Thermoanaerobacter tengcongensis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2012, 423, 45-49.	2.1	2
2354	Microparticles and their emerging role in cancer multidrug resistance. <i>Cancer Treatment Reviews</i> , 2012, 38, 226-234.	7.7	146
2355	Tyrosine kinase inhibitors as modulators of ABC transporter-mediated drug resistance. <i>Drug Resistance Updates</i> , 2012, 15, 70-80.	14.4	143
2356	Copy number variations of the ATP-binding cassette transporter ABCC6 gene and its pseudogenes. <i>BMC Research Notes</i> , 2012, 5, 425.	1.4	7
2357	ATP-binding cassette transporters in immortalised human brain microvascular endothelial cells in normal and hypoxic conditions. <i>Experimental & Translational Stroke Medicine</i> , 2012, 4, 9.	3.2	14
2359	6.6 Structures and Mechanisms in Chloride Channels. , 2012, , 142-176.		1
2360	Resveratrol in Cholesterol Metabolism and Atherosclerosis. <i>Journal of Medicinal Food</i> , 2012, 15, 763-773.	1.5	59
2361	Structure of a periplasmic glucose-binding protein from <i>Thermotoga maritima</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 1460-1464.	0.7	5
2362	Fingerprint-based in silico models for the prediction of P-glycoprotein substrates and inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 5388-5395.	3.0	70
2363	Oxidative Stress Acts on Special Membrane Proteins To Reduce the Viability of <i>Pseudomonas syringae</i> pv <i>tomato</i> . <i>Journal of Proteome Research</i> , 2012, 11, 4927-4938.	3.7	18
2364	Extracellular Heme Uptake and the Challenges of Bacterial Cell Membranes. <i>Current Topics in Membranes</i> , 2012, 69, 359-392.	0.9	22

#	ARTICLE	IF	CITATIONS
2365	Genome-wide analysis and expression profiling of half-size ABC protein subgroup G in rice in response to abiotic stress and phytohormone treatments. <i>Molecular Genetics and Genomics</i> , 2012, 287, 819-835.	2.1	34
2366	Mechanisms of Cd Hyperaccumulation and Detoxification in Heavy Metal Hyperaccumulators: How Plants Cope with Cd. <i>Progress in Botany Fortschritte Der Botanik</i> , 2012, , 127-159.	0.3	4
2368	A Mutation in Intracellular Loop 4 Affects the Drug-Efflux Activity of the Yeast Multidrug Resistance ABC Transporter Pdr5p. <i>PLoS ONE</i> , 2012, 7, e29520.	2.5	9
2369	Effects of Deletion of Macrophage ABCA7 on Lipid Metabolism and the Development of Atherosclerosis in the Presence and Absence of ABCA1. <i>PLoS ONE</i> , 2012, 7, e30984.	2.5	22
2370	A-Subclass ATP-Binding Cassette Proteins in Brain Lipid Homeostasis and Neurodegeneration. <i>Frontiers in Psychiatry</i> , 2012, 3, 17.	2.6	40
2371	Isolation and Cloning of an ABC Transporter-Like Gene of <i>Haemophilus parasuis</i> and Its Use in a New Diagnostic PCR. <i>Journal of Bacteriology and Virology</i> , 2012, 42, 321.	0.1	0
2372	The Role of ABC and SLC Transporters in the Pharmacokinetics of Dietary and Herbal Phytochemicals and their Interactions with Xenobiotics. <i>Current Drug Metabolism</i> , 2012, 13, 624-639.	1.2	34
2373	ABCG8 Gene Responses to 8 Weeks Treadmill Running With or Without <i>Pistachia atlantica</i> (Baneh) Extraction in Female Rats. <i>International Journal of Endocrinology and Metabolism</i> , 2012, 10, 604-610.	1.0	11
2374	Inward facing conformations of the MetNI methionine ABC transporter: Implications for the mechanism of transinhibition. <i>Protein Science</i> , 2012, 21, 84-96.	7.6	39
2375	Sampling-based exploration of folded state of a protein under kinematic and geometric constraints. <i>Proteins: Structure, Function and Bioinformatics</i> , 2012, 80, 25-43.	2.6	16
2376	Involvements of the ABC protein ABCF2 and β -actinin in regulation of cell volume and anion channels in human epithelial cells. <i>Journal of Cellular Physiology</i> , 2012, 227, 3498-3510.	4.1	23
2377	ATP-binding cassette (ABC) transporter expression and localization in sea urchin development. <i>Developmental Dynamics</i> , 2012, 241, 1111-1124.	1.8	51
2378	Genome-wide RNA interference screening for the clock-related gene of ATP-binding cassette transporters in <i>Drosophila melanogaster</i> (Diptera: Drosophilidae). <i>Applied Entomology and Zoology</i> , 2012, 47, 79-86.	1.2	4
2379	NF- κ B and HIF display synergistic behaviour during hypoxic inflammation. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 1319-1329.	5.4	72
2380	Genome-wide analysis of the ATP-binding cassette (ABC) transporter gene family in the silkworm, <i>Bombyx mori</i> . <i>Molecular Biology Reports</i> , 2012, 39, 7281-7291.	2.3	62
2381	Cellular and organellar membrane-associated proteins in haloarchaea: Perspectives on the physiological significance and biotechnological applications. <i>Science China Life Sciences</i> , 2012, 55, 404-414.	4.9	25
2382	Functional analysis of ABC transporter genes pdmR1 and pdmR2 in <i>Actinomadura hibisca</i> P-1752 and enhancement of pradimicin production. <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 8-15.	2.6	3
2383	The Phylogenomic Roots of Modern Biochemistry: Origins of Proteins, Cofactors and Protein Biosynthesis. <i>Journal of Molecular Evolution</i> , 2012, 74, 1-34.	1.8	73

#	ARTICLE	IF	CITATIONS
2384	Cerebral expression of drug transporters in epilepsy. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 919-929.	13.7	83
2385	The PTS ^{Ntr} system globally regulates ATP-dependent transporters in <i>Rhizobium leguminosarum</i> . <i>Molecular Microbiology</i> , 2012, 84, 117-129.	2.5	35
2386	Synthesis of lipopolysaccharide O-antigens by ABC transporter-dependent pathways. <i>Carbohydrate Research</i> , 2012, 356, 12-24.	2.3	142
2387	Relationship between structure and P-glycoprotein inhibitory activity of dimeric peptides related to the Dmt-Tic pharmacophore. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 2192-2194.	2.2	3
2388	Retinal Photodamage Mediated by All-trans-retinal. <i>Photochemistry and Photobiology</i> , 2012, 88, 1309-1319.	2.5	74
2389	P-glycoprotein expression in <i>Helicobacter pylori</i> -positive patients: The influence of MDR1 C3435T polymorphism. <i>Journal of Digestive Diseases</i> , 2012, 13, 414-420.	1.5	10
2390	Placental drug transporters and their role in fetal protection. <i>Placenta</i> , 2012, 33, 137-142.	1.5	115
2391	A computational model for predicting the transport of compounds by ABCC2. <i>Journal of Cheminformatics</i> , 2012, 4, .	6.1	0
2392	A novel nanoparticle formulation overcomes multiple types of membrane efflux pumps in human breast cancer cells. <i>Drug Delivery and Translational Research</i> , 2012, 2, 95-105.	5.8	40
2393	Amino acid transport in thermophiles: Characterization of an arginine-binding protein from <i>Thermotoga maritima</i> . 3. Conformational dynamics and stability. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 118, 66-73.	3.8	23
2394	FtsEX is required for CwlO peptidoglycan hydrolase activity during cell wall elongation in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2013, 89, 1069-1083.	2.5	145
2395	Drug Resistance in Leishmania Parasites. , 2013, , .		13
2396	A burst of ABC genes in the genome of the polyphagous spider mite <i>Tetranychus urticae</i> . <i>BMC Genomics</i> , 2013, 14, 317.	2.8	118
2397	Functional analysis of the ATP-binding cassette (ABC) transporter gene family of <i>Tribolium castaneum</i> . <i>BMC Genomics</i> , 2013, 14, 6.	2.8	177
2398	Genetic Variants in Alzheimer's Disease. , 2013, , .		9
2399	Nanopreparations to overcome multidrug resistance in cancer. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 1748-1762.	13.7	294
2400	P-glycoprotein efflux pump plays an important role in <i>Trypanosoma cruzi</i> drug resistance. <i>Parasitology Research</i> , 2013, 112, 2341-2351.	1.6	41
2401	Post-meiotic deficient anther1 (PDA1) encodes an ABC transporter required for the development of anther cuticle and pollen exine in rice. <i>Journal of Plant Biology</i> , 2013, 56, 59-68.	2.1	71

#	ARTICLE	IF	CITATIONS
2402	Stem Cells and Cancer Stem Cells, Volume 9. , 2013, , .		0
2403	Avermectin induces P-glycoprotein expression in S2 cells via the calcium/calmodulin/NF- κ B pathway. <i>Chemico-Biological Interactions</i> , 2013, 203, 430-439.	4.0	35
2404	Quantification and in situ localisation of abcb1 and abcc9 genes in toxicant-exposed sea urchin embryos. <i>Environmental Science and Pollution Research</i> , 2013, 20, 8600-8611.	5.3	7
2405	Transport proteins of the ABC systems superfamily and their role in drug action and resistance in nematodes. <i>Parasitology International</i> , 2013, 62, 639-646.	1.3	44
2406	Comparative vesicle proteomics reveals selective regulation of protein expression in chestnut blight fungus by a hypovirus. <i>Journal of Proteomics</i> , 2013, 78, 221-230.	2.4	22
2407	Mutational Analyses on X-Linked Adrenoleukodystrophy Reveal a Novel Cryptic Splicing and Three Missense Mutations in the ABCD1 Gene. <i>Pediatric Neurology</i> , 2013, 49, 185-190.	2.1	5
2408	Polymers influencing transportability profile of drug. <i>Saudi Pharmaceutical Journal</i> , 2013, 21, 327-335.	2.7	24
2409	Heme Uptake and Metabolism in Bacteria. <i>Metal Ions in Life Sciences</i> , 2013, 12, 279-332.	2.8	42
2410	Neuroprotective role of ATP-sensitive potassium channels in cerebral ischemia. <i>Acta Pharmacologica Sinica</i> , 2013, 34, 24-32.	6.1	81
2411	Molecular characterization of the MRPA transporter and antimony uptake in four New World <i>Leishmania</i> spp. susceptible and resistant to antimony. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2013, 3, 143-153.	3.4	40
2412	Molybdenum enzymes, their maturation and molybdenum cofactor biosynthesis in <i>Escherichia coli</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013, 1827, 1086-1101.	1.0	142
2413	Isolation and characterization of a novel PDR-type ABC transporter gene PgPDR3 from <i>Panax ginseng</i> C.A. Meyer induced by methyl jasmonate. <i>Molecular Biology Reports</i> , 2013, 40, 6195-6204.	2.3	26
2414	Conformational stabilization of the membrane embedded targeting domain of the lysosomal peptide transporter TAPL for solution NMR. <i>Journal of Biomolecular NMR</i> , 2013, 57, 141-154.	2.8	6
2415	Association of a multidrug resistance 1 gene polymorphism and colorectal cancer in the Korean population. <i>Oriental Pharmacy and Experimental Medicine</i> , 2013, 13, 225-230.	1.2	2
2416	Binding of modulators to mouse and human multidrug resistance P-glycoprotein. A computational study. <i>Journal of Molecular Graphics and Modelling</i> , 2013, 46, 10-21.	2.4	35
2417	Multifunctional and multitargeted nanoparticles for drug delivery to overcome barriers of drug resistance in human cancers. <i>Drug Discovery Today</i> , 2013, 18, 1292-1300.	6.4	57
2418	Cystic Fibrosis Transmembrane Conductance Regulator (ABCC7) Structure. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2013, 3, a009514-a009514.	6.2	45
2419	Inhibition of P-glycoprotein enhances sensitivity of <i>Caenorhabditis elegans</i> to ivermectin. <i>Veterinary Parasitology</i> , 2013, 191, 264-275.	1.8	71

#	ARTICLE	IF	CITATIONS
2420	Citation classics: Top 50 cited articles in "respiratory system". <i>Respirology</i> , 2013, 18, 71-81.	2.3	45
2421	Molecular cloning and expression analysis of PDR1-like gene in ginseng subjected to salt and cold stresses or hormonal treatment. <i>Plant Physiology and Biochemistry</i> , 2013, 71, 203-211.	5.8	22
2422	Nitrogen Assimilation in <i>Escherichia coli</i> : Putting Molecular Data into a Systems Perspective. <i>Microbiology and Molecular Biology Reviews</i> , 2013, 77, 628-695.	6.6	237
2423	Investigation of polymorphisms and association of the ABCG2 gene with milk production traits in sheep. <i>Livestock Science</i> , 2013, 154, 64-68.	1.6	10
2424	SCO4008, a Putative TetR Transcriptional Repressor from <i>Streptomyces coelicolor</i> A3(2), Regulates Transcription of sco4007 by Multidrug Recognition. <i>Journal of Molecular Biology</i> , 2013, 425, 3289-3300.	4.2	14
2425	Molecular mechanism of the <i>Escherichia coli</i> maltose transporter. <i>Current Opinion in Structural Biology</i> , 2013, 23, 492-498.	5.7	78
2426	Organic Anion and Cation Transporters in Renal Elimination of Drugs. , 2013, , 2425-2455.		2
2427	Mammalian P4-ATPases and ABC transporters and their role in phospholipid transport. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013, 1831, 555-574.	2.4	120
2428	Tying up loose ends: ribosome recycling in eukaryotes and archaea. <i>Trends in Biochemical Sciences</i> , 2013, 38, 64-74.	7.5	64
2429	Profiling of ABC Transporters During Active Ulcerative Colitis and In Vitro Effect of Inflammatory Modulators. <i>Digestive Diseases and Sciences</i> , 2013, 58, 2282-2292.	2.3	21
2430	Stable and Fluid Multilayer Phospholipid-Silica Thin Films: Mimicking Active Multi-lamellar Biological Assemblies. <i>ACS Nano</i> , 2013, 7, 5300-5307.	14.6	13
2431	MalF is essential for persistence of <i>Mycoplasma gallisepticum</i> in vivo. <i>Microbiology (United Kingdom)</i> , 2013, 159, 1459-1470.	1.8	26
2432	The Role of ABC Transporters in Drug-Resistant <i>Leishmania</i> . , 2013, , 237-258.		3
2433	Introduction: Leishmaniasis "The Biology of a Parasite. , 2013, , 1-12.		1
2434	Crystal structure of a folate energy-coupling factor transporter from <i>Lactobacillus brevis</i> . <i>Nature</i> , 2013, 497, 268-271.	27.8	80
2435	Overcoming Chemotherapy Resistance by Targeting Hyaluronan/ CD44-Mediated Stem Cell Marker (Nanog) Signaling and MicroRNA-21 in Breast, Ovarian, and Head and Neck Cancer. , 2013, , 291-298.		0
2436	Elongation factor-1 \pm , a putative single-copy nuclear gene, has divergent sets of paralogs in an arachnid. <i>Molecular Phylogenetics and Evolution</i> , 2013, 68, 471-481.	2.7	12
2437	Molecular Organization and ATP-Induced Conformational Changes of ABCA4, the Photoreceptor-Specific ABC Transporter. <i>Structure</i> , 2013, 21, 854-860.	3.3	52

#	ARTICLE	IF	CITATIONS
2438	Functional reconstitution and osmoregulatory properties of the ProU ABC transporter from <i>Escherichia coli</i> . <i>Molecular Membrane Biology</i> , 2013, 30, 138-148.	2.0	42
2439	VX-809 corrects folding defects in cystic fibrosis transmembrane conductance regulator protein through action on membrane-spanning domain 1. <i>Molecular Biology of the Cell</i> , 2013, 24, 3016-3024.	2.1	260
2440	Differential Phospholipid Substrates and Directional Transport by ATP-binding Cassette Proteins ABCA1, ABCA7, and ABCA4 and Disease-causing Mutants. <i>Journal of Biological Chemistry</i> , 2013, 288, 34414-34426.	3.4	181
2441	Surface codeâ€”biophysical signals for apoptotic cell clearance. <i>Physical Biology</i> , 2013, 10, 065007.	1.8	38
2442	Biology of ocular transporters: efflux and influx transporters in the eye. , 2013, , 37-84.		6
2443	Polyoxometalates Active Against Tumors, Viruses, and Bacteria. <i>Progress in Molecular and Subcellular Biology</i> , 2013, 54, 65-116.	1.6	43
2444	Co-operative function and mutual stabilization of the half ATP-binding cassette transporters HAF-4 and HAF-9 in <i>Caenorhabditis elegans</i> . <i>Biochemical Journal</i> , 2013, 452, 467-475.	3.7	18
2445	Comparative Genomic Analysis of the Endosymbionts of Herbivorous Insects Reveals Eco-Environmental Adaptations: Biotechnology Applications. <i>PLoS Genetics</i> , 2013, 9, e1003131.	3.5	56
2446	A New ABC Half-Transporter in <i>Leishmania major</i> Is Involved in Resistance to Antimony. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 3719-3730.	3.2	56
2447	Transporter-mediated biofuel secretion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7642-7647.	7.1	119
2448	Expanding roles of ABCG1 and sterol transport. <i>Current Opinion in Lipidology</i> , 2013, 24, 138-146.	2.7	32
2449	A single intact ATPase site of the ABC transporter BtuCD drives 5% transport activity yet supports full in vivo vitamin B ₁₂ utilization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5434-5439.	7.1	31
2450	Two molybdate/tungstate ABC transporters that interact very differently with their substrate binding proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5440-5445.	7.1	46
2451	Structure of the nucleotide-binding domain of a dipeptide ABC transporter reveals a novel ironâ€”sulfur cluster-binding domain. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 256-265.	2.5	8
2452	Carbohydrate Kinase (RhaK)-Dependent ABC Transport of Rhamnose in <i>Rhizobium leguminosarum</i> Demonstrates Genetic Separation of Kinase and Transport Activities. <i>Journal of Bacteriology</i> , 2013, 195, 3424-3432.	2.2	5
2453	Polymeric Micelles, a Promising Drug Delivery System to Enhance Bioavailability of Poorly Water-Soluble Drugs. <i>Journal of Drug Delivery</i> , 2013, 2013, 1-15.	2.5	415
2454	Periplasmic Binding Proteins in Thermophiles: Characterization and Potential Application of an Arginine-Binding Protein from <i>Thermotoga maritima</i> : A Brief Thermo-Story. <i>Life</i> , 2013, 3, 149-160.	2.4	13
2455	Biomedical Inorganic Polymers. <i>Progress in Molecular and Subcellular Biology</i> , 2013, , .	1.6	7

#	ARTICLE	IF	CITATIONS
2456	Silencing of <i>P-glycoprotein</i> increases mortality in temephos-treated <i>Aedes aegypti</i> larvae. <i>Insect Molecular Biology</i> , 2013, 22, 648-658.	2.0	63
2457	Molecular Disruption of the Power Stroke in the ATP-binding Cassette Transport Protein MsbA. <i>Journal of Biological Chemistry</i> , 2013, 288, 6801-6813.	3.4	39
2458	<i>Glycyrrhiza uralensis</i> Transcriptome Landscape and Study of Phytochemicals. <i>Plant and Cell Physiology</i> , 2013, 54, 697-710.	3.1	80
2459	AtABCA9 transporter supplies fatty acids for lipid synthesis to the endoplasmic reticulum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 773-778.	7.1	103
2460	P-glycoprotein (P-gp/MDR1)/ABCB1. , 2013, , 147-259.		4
2461	Inhibition of P-Glycoprotein Mediated Multidrug Resistance by Stemofoline Derivatives. <i>Chemical and Pharmaceutical Bulletin</i> , 2013, 61, 399-404.	1.3	19
2462	Detection of Fungicide Resistance. , 2013, , .		5
2463	Cell-Derived Microparticles: New Targets in the Therapeutic Management of Disease. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2013, 16, 238.	2.1	41
2464	Transcript Profile Analyses of Maize Silks Reveal Effective Activation of Genes Involved in Microtubule-Based Movement, Ubiquitin-Dependent Protein Degradation, and Transport in the Pollination Process. <i>PLoS ONE</i> , 2013, 8, e53545.	2.5	16
2465	An Asymmetric Post-Hydrolysis State of the ABC Transporter ATPase Dimer. <i>PLoS ONE</i> , 2013, 8, e59854.	2.5	23
2466	Metabolic Profiles and Free Radical Scavenging Activity of <i>Cordyceps bassiana</i> Fruiting Bodies According to Developmental Stage. <i>PLoS ONE</i> , 2013, 8, e73065.	2.5	15
2467	Drug Resistance in Natural Isolates of <i>Leishmania donovani</i> s.l. Promastigotes Is Dependent of Pgp170 Expression. <i>PLoS ONE</i> , 2013, 8, e65467.	2.5	18
2468	Reporter Dyes Demonstrate Functional Expression of Multidrug Resistance Proteins in the Marine Flatworm <i>Macrostomum lignano</i> : The Sponge-Derived Dye Ageladine A Is Not a Substrate of These Transporters. <i>Marine Drugs</i> , 2013, 11, 3951-3969.	4.6	7
2469	Genome-wide identification, functional analysis and expression profiling of pleiotropic drug resistance (PDR) sub-family in potato. <i>African Journal of Biotechnology</i> , 2013, 12, 4722-4729.	0.6	0
2470	Mirabilysin. , 2013, , 872-875.		0
2471	Screening the Expression of ABCB6 in Erythrocytes Reveals an Unexpectedly High Frequency of Lan Mutations in Healthy Individuals. <i>PLoS ONE</i> , 2014, 9, e111590.	2.5	20
2472	Characterization of Zebrafish Abcc4 as an Efflux Transporter of Organochlorine Pesticides. <i>PLoS ONE</i> , 2014, 9, e111664.	2.5	24
2473	Alkaloid transporters in plants. <i>Plant Biotechnology</i> , 2014, 31, 453-463.	1.0	30

#	ARTICLE	IF	CITATIONS
2474	Transcriptome Profiling of Wheat Seedlings following Treatment with Ultrahigh Diluted Arsenic Trioxide. Evidence-based Complementary and Alternative Medicine, 2014, 2014, 1-15.	1.2	18
2475	Pharmacoresistant epilepsy and nanotechnology. Frontiers in Bioscience - Elite, 2014, E6, 329.	1.8	19
2476	Pharmacoresistant epilepsy and nanotechnology. Frontiers in Bioscience - Elite, 2014, 6, 329-340.	1.8	1
2477	Stage Specific Expression of ATP-Binding Cassette and Solute Carrier Superfamily of Transporter Genes in Mammary Gland of Riverine Buffalo (<i>Bubalus bubalis</i>). Animal Biotechnology, 2014, 25, 200-209.	1.5	7
2478	Conserved Allosteric Hot Spots in the Transmembrane Domains of Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Channels and Multidrug Resistance Protein (MRP) Pumps. Journal of Biological Chemistry, 2014, 289, 19942-19957.	3.4	20
2479	Nucleotide-free Malk Drives the Transition of the Maltose Transporter to the Inward-facing Conformation. Journal of Biological Chemistry, 2014, 289, 9844-9851.	3.4	12
2480	Phorbol 12-myristate 13-acetate inhibits P-glycoprotein-mediated efflux of digoxin in MDCKII-MDR1 and Caco-2 cell monolayer models. Acta Pharmacologica Sinica, 2014, 35, 283-291.	6.1	9
2481	Repositioning of Tyrosine Kinase Inhibitors as Antagonists of ATP-Binding Cassette Transporters in Anticancer Drug Resistance. Cancers, 2014, 6, 1925-1952.	3.7	60
2482	Characterization of the Opp Peptide Transporter of <i>Corynebacterium pseudotuberculosis</i> and Its Role in Virulence and Pathogenicity. BioMed Research International, 2014, 2014, 1-7.	1.9	27
2483	Investigation of Polymorphisms on ABCG2, AA-NAT and FABP3 Genes in the KÄ±vÄ±rcÄ±k Sheep Reared in Three Different Provinces of Turkey. Kafkas Universitesi Veteriner Fakultesi Dergisi, 2014, , .	0.1	4
2484	Diversity in ABC transporters: Type I, II and III importers. Critical Reviews in Biochemistry and Molecular Biology, 2014, 49, 426-437.	5.2	129
2485	<scp>dsRNA</scp> uptake and persistence account for tissueâ€dependent susceptibility to <scp>RNA</scp> interference in the migratory locust, <i><scp>L</scp>ocusta migratoria</i>. Insect Molecular Biology, 2014, 23, 175-184.	2.0	56
2486	Role of NH2-terminal hydrophobic motif in the subcellular localization of ATP-binding cassette protein subfamily D: Common features in eukaryotic organisms. Biochemical and Biophysical Research Communications, 2014, 453, 612-618.	2.1	12
2487	Energetically Demanding Transport in a Supramolecular Assembly. Journal of the American Chemical Society, 2014, 136, 14702-14705.	13.7	72
2488	Hyaluronanâ€CD44 Interaction Promotes Oncogenic Signaling, microRNA Functions, Chemoresistance, and Radiation Resistance in Cancer Stem Cells Leading to Tumor Progression. Advances in Cancer Research, 2014, 123, 255-275.	5.0	110
2489	Manganese Transport, Trafficking and Function in Invertebrates. Issues in Toxicology, 2014, , 1-33.	0.1	10
2490	Deletion of the znuA virulence factor attenuates <i>Actinobacillus pleuropneumoniae</i> and confers protection against homologous or heterologous strain challenge. Veterinary Microbiology, 2014, 174, 531-539.	1.9	22
2491	The Development of the Pulmonary Surfactant System. , 2014, , 183-209.		4

#	ARTICLE	IF	CITATIONS
2492	Multidrug Resistance Protein 1 (MRP1, ABCC1), a “Multitasking” ATP-binding Cassette (ABC) Transporter. <i>Journal of Biological Chemistry</i> , 2014, 289, 30880-30888.	3.4	265
2493	ATP-Binding Cassette and Multidrug and Toxic Compound Extrusion Transporters in Plants. <i>International Review of Cell and Molecular Biology</i> , 2014, 309, 303-346.	3.2	58
2494	Allosteric transitions of the maltose transporter studied by an elastic network model. <i>Biopolymers</i> , 2014, 101, 758-768.	2.4	8
2495	Sequence, biophysical, and structural analyses of the PstS lipoprotein (BB0215) from <i>Borrelia burgdorferi</i> reveal a likely binding component of an ABC-type phosphate transporter. <i>Protein Science</i> , 2014, 23, 200-212.	7.6	21
2496	Comparative transcriptome analysis of the Asteraceae halophyte <i>Karelinia caspica</i> under salt stress. <i>BMC Research Notes</i> , 2014, 7, 927.	1.4	21
2497	Class C ABC transporters and <i>Saccharomyces cerevisiae</i> vacuole fusion. <i>Cellular Logistics</i> , 2014, 4, e943588.	0.9	8
2498	Cystic fibrosis gene mutations: evaluation and assessment of disease severity. <i>Advances in Genomics and Genetics</i> , 0, , 161.	0.8	12
2499	Comparative analysis of ABCB1 reveals novel structural and functional conservation between monocots and dicots. <i>Frontiers in Plant Science</i> , 2014, 5, 657.	3.6	23
2500	An Electrostatic Interaction at the Tetrahelix Bundle Promotes Phosphorylation-dependent Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Channel Opening. <i>Journal of Biological Chemistry</i> , 2014, 289, 30364-30378.	3.4	33
2501	When two turn into one: evolution of membrane transporters from half modules. <i>Biological Chemistry</i> , 2014, 395, 1379-1388.	2.5	41
2502	GxySBA ABC Transporter of <i>Agrobacterium tumefaciens</i> and Its Role in Sugar Utilization and vir Gene Expression. <i>Journal of Bacteriology</i> , 2014, 196, 3150-3159.	2.2	12
2503	Ligand and Structure-Based Classification Models for Prediction of P-Glycoprotein Inhibitors. <i>Journal of Chemical Information and Modeling</i> , 2014, 54, 218-229.	5.4	95
2504	Structural diversity of ABC transporters. <i>Journal of General Physiology</i> , 2014, 143, 419-435.	1.9	310
2505	CFTR structure and cystic fibrosis. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 52, 15-25.	2.8	62
2506	Phase 0 and phase III transport in various organs: Combined concept of phases in xenobiotic transport and metabolism. <i>Drug Metabolism Reviews</i> , 2014, 46, 261-282.	3.6	81
2507	ABC Transporters and Their Role in Protecting Insects from Pesticides and Their Metabolites. <i>Advances in Insect Physiology</i> , 2014, , 1-72.	2.7	82
2508	The Type 1 secretion pathway “The hemolysin system and beyond. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 1629-1641.	4.1	172
2509	A reciprocating twin-channel model for ABC transporters. <i>Quarterly Reviews of Biophysics</i> , 2014, 47, 189-220.	5.7	34

#	ARTICLE	IF	CITATIONS
2510	ADMET Evaluation in Drug Discovery. 13. Development of <i>in Silico</i> Prediction Models for P-Glycoprotein Substrates. <i>Molecular Pharmaceutics</i> , 2014, 11, 716-726.	4.6	96
2511	Carbohydrate Catabolism in <i>Phaeobacter inhibens</i> DSM 17395, a Member of the Marine <i>Roseobacter</i> Clade. <i>Applied and Environmental Microbiology</i> , 2014, 80, 4725-4737.	3.1	35
2512	The ABC gene family in arthropods: Comparative genomics and role in insecticide transport and resistance. <i>Insect Biochemistry and Molecular Biology</i> , 2014, 45, 89-110.	2.7	462
2513	Global gene expression in rice blast pathogen <i>Magnaporthe oryzae</i> treated with a natural rice soil isolate. <i>Planta</i> , 2014, 239, 171-185.	3.2	21
2514	RCN1/OsABCG5, an ATP-binding cassette (ABC) transporter, is required for hypodermal suberization of roots in rice (<i>Oryza sativa</i>). <i>Plant Journal</i> , 2014, 80, 40-51.	5.7	94
2515	Serological proteome analysis of <i>Corynebacterium pseudotuberculosis</i> isolated from different hosts reveals novel candidates for prophylactics to control caseous lymphadenitis. <i>Veterinary Microbiology</i> , 2014, 174, 255-260.	1.9	13
2516	Role of the Oligopeptide Permease ABC Transporter of <i>Moraxella catarrhalis</i> in Nutrient Acquisition and Persistence in the Respiratory Tract. <i>Infection and Immunity</i> , 2014, 82, 4758-4766.	2.2	34
2517	PAAT, a novel ATPase and <i>trans</i> regulator of mitochondrial ABC transporters, is critically involved in the maintenance of mitochondrial homeostasis. <i>FASEB Journal</i> , 2014, 28, 4821-4834.	0.5	21
2518	A female gametocyte-specific ABC transporter plays a role in lipid metabolism in the malaria parasite. <i>Nature Communications</i> , 2014, 5, 4773.	12.8	51
2519	Molecular docking and P-glycoprotein inhibitory activity of Flavonoids. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2014, 6, 167-175.	3.6	20
2520	Identification of <i>Mycobacterium avium</i> genes expressed during <i>in vivo</i> infection and the role of the oligopeptide transporter OppA in virulence. <i>Microbial Pathogenesis</i> , 2014, 76, 67-76.	2.9	13
2522	Histopathological lesions, P-glycoprotein and PCNA expression in zebrafish (<i>Danio rerio</i>) liver after a single exposure to diethylnitrosamine. <i>Environmental Toxicology and Pharmacology</i> , 2014, 38, 720-732.	4.0	14
2523	Structural basis for gating mechanisms of a eukaryotic P-glycoprotein homolog. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4049-4054.	7.1	163
2524	Identification of a human ABCC10 orthologue in <i>Catharanthus roseus</i> reveals a U12-type intron determinant for the N-terminal domain feature. <i>Journal of Genetics</i> , 2014, 93, 21-33.	0.7	1
2525	Importance of ABCC1 for cancer therapy and prognosis. <i>Drug Metabolism Reviews</i> , 2014, 46, 325-342.	3.6	46
2526	Expression, purification and structural properties of ABC transporter ABCA4 and its individual domains. <i>Protein Expression and Purification</i> , 2014, 97, 50-60.	1.3	14
2527	Biomining in perforate foraminifera. <i>Earth-Science Reviews</i> , 2014, 135, 48-58.	9.1	193
2528	Stem cells and targeted approaches to melanoma cure. <i>Molecular Aspects of Medicine</i> , 2014, 39, 33-49.	6.4	44

#	ARTICLE	IF	CITATIONS
2529	Opioids and efflux transporters. Part 4: Influence of N-substitution on P-glycoprotein substrate activity of noroxymorphone analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3592-3595.	2.2	10
2530	Current advances on ABC drug transporters in fish. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2014, 165, 28-52.	2.6	98
2531	The pharmacological impact of ATP-binding cassette drug transporters on vemurafenib-based therapy. <i>Acta Pharmaceutica Sinica B</i> , 2014, 4, 105-111.	12.0	48
2532	Impact of ABC transporters, glutathione conjugates in MDR and their modulation by flavonoids: an overview. <i>Medicinal Chemistry Research</i> , 2014, 23, 1-15.	2.4	14
2533	Efficient and stable reconstitution of the ABC transporter BmrA for solid-state NMR studies. <i>Frontiers in Molecular Biosciences</i> , 2014, 1, 5.	3.5	25
2534	Tyrosine Kinase Inhibitors as Reversal Agents for ABC Transporter Mediated Drug Resistance. <i>Molecules</i> , 2014, 19, 13848-13877.	3.8	97
2535	Transcriptome sequencing of transgenic poplar (<i>Populus Æ— euramericana</i> 'Guariento') expressing multiple resistance genes. <i>BMC Genetics</i> , 2014, 15, S7.	2.7	23
2536	Manganese homeostasis and utilization in pathogenic bacteria. <i>Molecular Microbiology</i> , 2015, 97, 216-228.	2.5	95
2537	Copy number variation in the <scp>ATP</scp>â€binding cassette transporter <scp><i>ABCC6</i></scp> gene and <scp><i>ABCC6</i></scp> pseudogenes in patients with pseudoxanthoma elasticum. <i>Molecular Genetics & Genomic Medicine</i> , 2015, 3, 233-237.	1.2	6
2538	Blockade of dual-specificity phosphatase 28 decreases chemo-resistance and migration in human pancreatic cancer cells. <i>Scientific Reports</i> , 2015, 5, 12296.	3.3	27
2539	Structures and functions of mitochondrial ABC transporters. <i>Biochemical Society Transactions</i> , 2015, 43, 943-951.	3.4	50
2540	Deletion of HAPS_2096 Increases Sensitivity to Cecropin B in <i>Haemophilus parasuis</i>. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2015, 25, 284-291.	1.0	1
2541	The novel ABC transporter ABCH1 is a potential target for RNAi-based insect pest control and resistance management. <i>Scientific Reports</i> , 2015, 5, 13728.	3.3	64
2542	Tracing the structural evolution of eukaryotic ATP binding cassette transporter superfamily. <i>Scientific Reports</i> , 2015, 5, 16724.	3.3	55
2543	Sequential Action of MalE and Maltose Allows Coupling ATP Hydrolysis to Translocation in the MalFGK2 Transporter. <i>Journal of Biological Chemistry</i> , 2015, 290, 25452-25460.	3.4	17
2544	Heavy metal transport by the <scp>C</scp>us<scp>CFBA</scp> efflux system. <i>Protein Science</i> , 2015, 24, 1720-1736.	7.6	43
2545	Stageâ€specific global alterations in the transcriptomes of <scp>L</scp>yme disease spirochetes during tick feeding and following mammalian host adaptation. <i>Molecular Microbiology</i> , 2015, 95, 509-538.	2.5	110
2546	Binding proteins enhance specific uptake rate by increasing the substrateâ€transporter encounter rate. <i>FEBS Journal</i> , 2015, 282, 2394-2407.	4.7	23

#	ARTICLE	IF	CITATIONS
2547	Involvement of a cyclic adenosine monophosphateâ€“dependent signal in the dietâ€“induced canalicular trafficking of adenosine triphosphateâ€“binding cassette transporter g5/g8. <i>Hepatology</i> , 2015, 62, 1215-1226.	7.3	7
2548	Paclitaxel Through the Ages of Anticancer Therapy: Exploring Its Role in Chemoresistance and Radiation Therapy. <i>Cancers</i> , 2015, 7, 2360-2371.	3.7	194
2549	A novel ABCG-like transporter of <i>Trypanosoma cruzi</i> is involved in natural resistance to benznidazole. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2015, 110, 433-444.	1.6	50
2550	Structural Features of the ATP-Binding Cassette (ABC) Transporter ABCA3. <i>International Journal of Molecular Sciences</i> , 2015, 16, 19631-19644.	4.1	17
2551	Diatom Milking: A Review and New Approaches. <i>Marine Drugs</i> , 2015, 13, 2629-2665.	4.6	106
2552	Genome-Wide Identification of Differentially Expressed Genes Associated with the High Yielding of Oleoresin in Secondary Xylem of Masson Pine (<i>Pinus massoniana</i> Lamb) by Transcriptomic Analysis. <i>PLoS ONE</i> , 2015, 10, e0132624.	2.5	28
2553	The Chinese Herb<i>Jianpi</i>Contributes to the Regulation of OATP1B2 and ABCC2 in a Rat Model of Orthotopic Transplantation Liver Cancer Pretreated with Food Restriction and Diarrhea. <i>BioMed Research International</i> , 2015, 2015, 1-10.	1.9	4
2554	Clinical Significance of the Resistance Proteins LRP, Pgp, MRP1, MRP3, and MRP5 in Epithelial Ovarian Cancer. <i>International Journal of Gynecological Cancer</i> , 2015, 25, 236-243.	2.5	26
2555	Structure and mechanism of ABC transporters. <i>F1000prime Reports</i> , 2015, 7, 14.	5.9	453
2556	Molybdenum and Biological Systems (Molybdenum Cofactors Containing Enzymes and Pathways). <i>Springer Briefs in Molecular Science</i> , 2015, , 21-31.	0.1	0
2557	The role of ABC transporters in ovarian cancer progression and chemoresistance. <i>Critical Reviews in Oncology/Hematology</i> , 2015, 96, 220-256.	4.4	139
2558	Legume Root Exudates: Their Role in Symbiotic Interactions. , 2015, , 259-271.		6
2559	Crystallization and preliminary crystallographic analysis of the putative sugar-binding protein Msmeg_0515 (AgaE) from <i>Mycobacterium smegmatis</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015, 71, 189-193.	0.8	0
2560	Nitrogen regulator GlnR controls uptake and utilization of non-phosphotransferase-system carbon sources in actinomycetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15630-15635.	7.1	80
2561	The Sugar Kinase That Is Necessary for the Catabolism of Rhamnose in <i>Rhizobium leguminosarum</i> Directly Interacts with the ABC Transporter Necessary for Rhamnose Transport. <i>Journal of Bacteriology</i> , 2015, 197, 3812-3821.	2.2	4
2562	Expression of the Oligopeptide Permease Operon of <i>Moraxella catarrhalis</i> Is Regulated by Temperature and Nutrient Availability. <i>Infection and Immunity</i> , 2015, 83, 3497-3505.	2.2	9
2563	High level of CFTR expression is associated with tumor aggression and knockdown of CFTR suppresses proliferation of ovarian cancer in vitro and in vivo. <i>Oncology Reports</i> , 2015, 33, 2227-2234.	2.6	46
2564	Lapatinib sensitizes quiescent MDA-MB-231 breast cancer cells to doxorubicin by inhibiting the expression of multidrug resistance-associated protein-1. <i>Oncology Reports</i> , 2015, 34, 884-890.	2.6	19

#	ARTICLE	IF	CITATIONS
2565	Genomic analysis of <i>Luteimonas abyssi</i> XH031T: insights into its adaption to the subseafloor environment of South Pacific Gyre and ecological role in biogeochemical cycle. <i>BMC Genomics</i> , 2015, 16, 1092.	2.8	22
2566	Conformational dynamics in substrate-binding domains influences transport in the ABC importer GlnPQ. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 57-64.	8.2	119
2567	Down-regulation of a novel ABC transporter gene (Pxwhite) is associated with Cry1Ac resistance in the diamondback moth, <i>Plutella xylostella</i> (L.). <i>Insect Biochemistry and Molecular Biology</i> , 2015, 59, 30-40.	2.7	97
2568	ABCG-like transporter of <i>Trypanosoma cruzi</i> involved in benznidazole resistance: Gene polymorphisms disclose inter-strain intragenic recombination in hybrid isolates. <i>Infection, Genetics and Evolution</i> , 2015, 31, 198-208.	2.3	24
2569	Activating adaptive cellular mechanisms of resistance following sublethal cytotoxic chemotherapy: Implications for diagnostic microdosing. <i>International Journal of Cancer</i> , 2015, 136, 1485-1493.	5.1	10
2571	Fungistatic activity of <i>Zanthoxylum rhoifolium</i> Lam. bark extracts against fungal plant pathogens and investigation on mechanism of action in <i>Botrytis cinerea</i> . <i>Natural Product Research</i> , 2015, 29, 2251-2255.	1.8	7
2572	The modulation of ABC transporter-mediated multidrug resistance in cancer: A review of the past decade. <i>Drug Resistance Updates</i> , 2015, 18, 1-17.	14.4	590
2573	Photodynamic therapy: An adjunct to conventional root canal disinfection strategies. <i>Australian Endodontic Journal</i> , 2015, 41, 54-71.	1.5	17
2574	Cross-linking effect of hydrophobic cores on morphology of giant vesicles formed by amphiphilic random block copolymers. <i>Colloid and Polymer Science</i> , 2015, 293, 1275-1280.	2.1	7
2575	Cystic fibrosis. <i>Nature Reviews Disease Primers</i> , 2015, 1, 15010.	30.5	403
2576	ABC transporter and metallothionein expression affected by NI and <i>Epichloe</i> endophyte infection in tall fescue. <i>Ecotoxicology and Environmental Safety</i> , 2015, 120, 13-19.	6.0	22
2577	Structure of a Bacterial ABC Transporter Involved in the Import of an Acidic Polysaccharide Alginate. <i>Structure</i> , 2015, 23, 1643-1654.	3.3	44
2578	Molybdenum Cofactors and Their role in the Evolution of Metabolic Pathways. <i>Springer Briefs in Molecular Science</i> , 2015, , .	0.1	3
2579	Metal binding spectrum and model structure of the <i>Bacillus anthracis</i> virulence determinant MntA. <i>Metallomics</i> , 2015, 7, 1407-1419.	2.4	20
2580	Cytotoxicity of 35 medicinal plants from Sudan towards sensitive and multidrug-resistant cancer cells. <i>Journal of Ethnopharmacology</i> , 2015, 174, 644-658.	4.1	38
2581	Analysis of the Free Energy Landscapes for the Openingâ€“Closing Dynamics of the Maltose Transporter ATPase MalK ₂ Using Enhanced-Sampling Molecular Dynamics Simulation. <i>Journal of Physical Chemistry B</i> , 2015, 119, 9717-9725.	2.6	14
2582	ABCG5 and ABCG8 Gene Polymorphisms in Type 2 Diabetes Mellitus in the Turkish Population. <i>Canadian Journal of Diabetes</i> , 2015, 39, 405-410.	0.8	7
2583	HM30181 Derivatives as Novel Potent and Selective Inhibitors of the Breast Cancer Resistance Protein (BCRP/ABCG2). <i>Journal of Medicinal Chemistry</i> , 2015, 58, 3910-3921.	6.4	69

#	ARTICLE	IF	CITATIONS
2584	Host effects contributing to cancer therapy resistance. Drug Resistance Updates, 2015, 19, 33-42.	14.4	38
2585	A High-Resolution Tissue-Specific Proteome and Phosphoproteome Atlas of Maize Primary Roots Reveals Functional Gradients along the Root Axes. Plant Physiology, 2015, 168, 233-246.	4.8	64
2586	Transcriptomic insights on the ABC transporter gene family in the salmon louse <i>Caligus rogercresseyi</i> . Parasites and Vectors, 2015, 8, 209.	2.5	19
2587	Structural basis for substrate specificity of an amino acid ABC transporter. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5243-5248.	7.1	49
2588	Lapatinib enhances the cytotoxic effects of doxorubicin in MCF-7 tumorspheres by inhibiting the drug efflux function of ABC transporters. Biomedicine and Pharmacotherapy, 2015, 72, 37-43.	5.6	55
2589	Integrated assessment of ivermectin pharmacokinetics, efficacy against resistant <i>Haemonchus contortus</i> and P-glycoprotein expression in lambs treated at three different dosage levels. Veterinary Parasitology, 2015, 210, 53-63.	1.8	20
2590	Role of the N-terminal transmembrane domain in the endo-lysosomal targeting and function of the human ABCB6 protein. Biochemical Journal, 2015, 467, 127-139.	3.7	36
2591	Membrane transporters in self resistance of <i>Cercospora nicotianae</i> to the photoactivated toxin cercosporin. Current Genetics, 2015, 61, 601-620.	1.7	18
2592	Host-imposed manganese starvation of invading pathogens: two routes to the same destination. BioMetals, 2015, 28, 509-519.	4.1	16
2593	PfMDR2 and PfMDR5 are dispensable for <i>Plasmodium falciparum</i> asexual parasite multiplication but change in vitro susceptibility to anti-malarial drugs. Malaria Journal, 2015, 14, 76.	2.3	17
2594	Differences in acid tolerance between <i>Bifidobacterium breve</i> BB8 and its acid-resistant derivative B.Åbreve BB8dpH, revealed by RNA-sequencing and physiological analysis. Anaerobe, 2015, 33, 76-84.	2.1	10
2595	Multicolor Fluorescence-Based Screening Toward Structural Analysis of Multiprotein Membrane Complexes. Methods in Enzymology, 2015, 557, 3-26.	1.0	1
2596	Control of Plasma Membrane Permeability by ABC Transporters. Eukaryotic Cell, 2015, 14, 442-453.	3.4	39
2597	Structure, mechanism and cooperation of bacterial multidrug transporters. Current Opinion in Structural Biology, 2015, 33, 76-91.	5.7	129
2598	Prognostic impact of membranous ATP-binding cassette Sub-family G member 2 expression in patients with colorectal carcinoma after surgical resection. Cancer Biology and Therapy, 2015, 16, 1438-1444.	3.4	7
2599	Functional role of <i>oppA</i> encoding an oligopeptide-binding protein from <i>Lactobacillus salivarius</i> Ren in bile tolerance. Journal of Industrial Microbiology and Biotechnology, 2015, 42, 1167-1174.	3.0	43
2600	The contribution of methionine to the stability of the <i>Escherichia coli</i> MetNIQ ABC transporter-substrate binding protein complex. Biological Chemistry, 2015, 396, 1127-1134.	2.5	15
2601	Effect of bacterial and host factors on <i>Helicobacter pylori</i> eradication therapy. Expert Opinion on Therapeutic Targets, 2015, 19, 1637-1650.	3.4	25

#	ARTICLE	IF	CITATIONS
2602	Assessment of 99mTc-MIBI SPECT(/CT) to monitor multidrug resistance-related proteins and apoptosis-related proteins in patients with ovarian cancer: a preliminary study. <i>Annals of Nuclear Medicine</i> , 2015, 29, 643-649.	2.2	10
2603	Far upstream element-binding protein 1 is a prognostic biomarker and promotes nasopharyngeal carcinoma progression. <i>Cell Death and Disease</i> , 2015, 6, e1920-e1920.	6.3	34
2604	Functional Dynamics Revealed by the Structure of the SufBCD Complex, a Novel ATP-binding Cassette (ABC) Protein That Serves as a Scaffold for Iron-Sulfur Cluster Biogenesis. <i>Journal of Biological Chemistry</i> , 2015, 290, 29717-29731.	3.4	77
2605	Novel delivery approaches for cancer therapeutics. <i>Journal of Controlled Release</i> , 2015, 219, 248-268.	9.9	127
2606	Improving heterologous polyketide production in <i>Escherichia coli</i> by transporter engineering. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 8691-8700.	3.6	17
2607	Insights into the Molecular Properties of ABCA4 and Its Role in the Visual Cycle and Stargardt Disease. <i>Progress in Molecular Biology and Translational Science</i> , 2015, 134, 415-431.	1.7	58
2608	ATP-binding cassette transporters in reproduction: a new frontier. <i>Human Reproduction Update</i> , 2016, 22, dmV049.	10.8	94
2609	Plant Microbes Symbiosis: Applied Facets. , 2015, , .		39
2610	Molecular phylogenetic study and expression analysis of ATP-binding cassette transporter gene family in <i>Oryza sativa</i> in response to salt stress. <i>Computational Biology and Chemistry</i> , 2015, 54, 18-32.	2.3	43
2611	Modulation of P-glycoprotein efflux pump: induction and activation as a therapeutic strategy. , 2015, 149, 1-123.		275
2612	Clinical aspects for survivin: a crucial molecule for targeting drug-resistant cancers. <i>Drug Discovery Today</i> , 2015, 20, 578-587.	6.4	68
2613	Nanoscale drug delivery for taxanes based on the mechanism of multidrug resistance of cancer. <i>Biotechnology Advances</i> , 2015, 33, 224-241.	11.7	35
2614	<i>Streptococcus pyogenes</i> . , 2015, , 675-716.		8
2615	Overcoming multidrug resistance with nanomedicines. <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 223-238.	5.0	61
2616	Zebrafish Abcb4 is a potential efflux transporter of microcystin-LR. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2015, 167, 35-42.	2.6	23
2617	Comparative genomics of an endophytic <i>Pseudomonas putida</i> isolated from mango orchard. <i>Genetics and Molecular Biology</i> , 2016, 39, 465-473.	1.3	9
2618	A Hybridized Clustering Approach based on Rough Set and Fuzzy c-Means to Mine Cholesterol Sequence from ABC Family. <i>Indian Journal of Science and Technology</i> , 2016, 9, .	0.7	2
2619	Targeting the chromatin remodeling enzyme BRG1 increases the efficacy of chemotherapy drugs in breast cancer cells. <i>Oncotarget</i> , 2016, 7, 27158-27175.	1.8	49

#	ARTICLE	IF	CITATIONS
2620	Gene Expression Analysis of Alfalfa Seedlings Response to Acid-Aluminum. International Journal of Genomics, 2016, 2016, 1-13.	1.6	18
2621	Regulatory Crosstalk by Protein Kinases on CFTR Trafficking and Activity. Frontiers in Chemistry, 2016, 4, 1.	3.6	73
2622	CodY Regulates the Activity of the Virulence Quorum Sensor PlcR by Controlling the Import of the Signaling Peptide PapR in <i>Bacillus thuringiensis</i> . Frontiers in Microbiology, 2015, 6, 1501.	3.5	50
2623	A Putative ABC Transporter Permease Is Necessary for Resistance to Acidified Nitrite and EDTA in <i>Pseudomonas aeruginosa</i> under Aerobic and Anaerobic Planktonic and Biofilm Conditions. Frontiers in Microbiology, 2016, 7, 291.	3.5	21
2624	The Exposed Proteomes of <i>Brachyspira hyodysenteriae</i> and <i>B. pilosicoli</i> . Frontiers in Microbiology, 2016, 7, 1103.	3.5	14
2625	Reducing Both Pgp Overexpression and Drug Efflux with Anti-Cancer Gold-Paclitaxel Nanoconjugates. PLoS ONE, 2016, 11, e0160042.	2.5	22
2626	Nucleotide-Induced Conformational Dynamics in ABC Transporters from Structure-Based Coarse Grained Modeling. Frontiers in Physics, 2016, 4, .	2.1	9
2627	Bacterial Multidrug Efflux Pumps of the Major Facilitator Superfamily as Targets for Modulation. Infectious Disorders - Drug Targets, 2016, 16, 28-43.	0.8	51
2628	How can nanomedicines overcome cellular-based anticancer drug resistance?. Journal of Materials Chemistry B, 2016, 4, 5078-5100.	5.8	32
2629	MOLECULAR CLONING, EXPRESSION PATTERN OF MULTIDRUG RESISTANCE ASSOCIATED PROTEIN 1 (MRP1,) Tj ETQq1 1 0.784314 r g B BIRD CHERRYâ€œOAT APHID. Archives of Insect Biochemistry and Physiology, 2016, 92, 65-84.	1.5	26
2630	Protein engineering of <i>Saccharomyces cerevisiae</i> transporter Pdr5p identifies key residues that impact <i>Fusarium</i> mycotoxin export and resistance to inhibition. MicrobiologyOpen, 2016, 5, 979-991.	3.0	5
2631	Coupled ATPase-adenylate kinase activity in ABC transporters. Nature Communications, 2016, 7, 13864.	12.8	45
2632	Adenovirus-mediated overexpression of cystic fibrosis transmembrane conductance regulator enhances invasiveness and motility of serous ovarian cancer cells. Molecular Medicine Reports, 2016, 13, 265-272.	2.4	9
2633	Splice form variant and amino acid changes in MDR49 confers DDT resistance in transgenic <i>Drosophila</i> . Scientific Reports, 2016, 6, 23355.	3.3	32
2634	Diversity of ABC transporter genes across the plant kingdom and their potential utility in biotechnology. BMC Biotechnology, 2016, 16, 47.	3.3	91
2635	Digital gene expression profiling analysis of duodenum transcriptomes in SD rats administered ferrous sulfate or ferrous glycine chelate by gavage. Scientific Reports, 2016, 6, 37923.	3.3	17
2636	The influence of a caveolin-1 mutant on the function of P-glycoprotein. Scientific Reports, 2016, 6, 20486.	3.3	15
2637	Translocation of the ABC transporter ABCD4 from the endoplasmic reticulum to lysosomes requires the escort protein LMBD1. Scientific Reports, 2016, 6, 30183.	3.3	43

#	ARTICLE	IF	CITATIONS
2639	The combination of quinazoline and chalcone moieties leads to novel potent heterodimeric modulators of breast cancer resistance protein (BCRP/ABCG2). <i>European Journal of Medicinal Chemistry</i> , 2016, 117, 212-229.	5.5	52
2640	<i>Microbial Biochemistry.</i> , 2016, , .		0
2641	The Yersiniabactin-Associated ATP Binding Cassette Proteins YbtP and YbtQ Enhance <i>Escherichia coli</i> Fitness during High-Titer Cystitis. <i>Infection and Immunity</i> , 2016, 84, 1312-1319.	2.2	17
2642	New insights into the roles of the N-terminal region of the ABCG6 transporter. <i>Journal of Bioenergetics and Biomembranes</i> , 2016, 48, 259-267.	2.3	23
2643	Genomes and virulence difference between two physiological races of <i>Phytophthora nicotianae</i> . <i>GigaScience</i> , 2016, 5, 3.	6.4	49
2644	Functioning of an ABC transporter, Mdr49, in Hh signaling and germ cell migration. <i>Development (Cambridge)</i> , 2016, 143, 2111-20.	2.5	7
2645	Binding of Pollutants to Biomolecules: A Simulation Study. <i>Chemical Research in Toxicology</i> , 2016, 29, 1679-1688.	3.3	7
2646	Multidrug Efflux Pumps in the Genus <i>Erwinia</i> : Physiology and Regulation of Efflux Pump Gene Expression. <i>Progress in Molecular Biology and Translational Science</i> , 2016, 142, 131-149.	1.7	2
2647	An updated structural classification of substrate-binding proteins. <i>FEBS Letters</i> , 2016, 590, 4393-4401.	2.8	208
2648	Acryloylphenylcarboxamides: A New Class of Breast Cancer Resistance Protein (ABCG2) Modulators. <i>ChemMedChem</i> , 2016, 11, 2422-2435.	3.2	15
2649	Generative Topographic Mapping Approach to Modeling and Chemical Space Visualization of Human Intestinal Transporters. <i>BioNanoScience</i> , 2016, 6, 464-472.	3.5	6
2650	Engineering an ABC Transporter for Enhancing Resistance to Caffeine in <i>Saccharomyces cerevisiae</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 7973-7978.	5.2	4
2651	In silico analysis of the binding of anthelmintics to <i>Caenorhabditis elegans</i> P-glycoprotein 1. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2016, 6, 299-313.	3.4	25
2652	ATP Hydrolysis Mechanism in a Maltose Transporter Explored by QM/MM Metadynamics Simulation. <i>Journal of Physical Chemistry B</i> , 2016, 120, 11102-11112.	2.6	15
2653	LrABCF1, a GCN-type ATP-binding cassette transporter from <i>Lilium regale</i> , is involved in defense responses against viral and fungal pathogens. <i>Planta</i> , 2016, 244, 1185-1199.	3.2	15
2654	RNA-seq analysis of <i>Paris polyphylla</i> var. <i>yunnanensis</i> roots identified candidate genes for saponin synthesis. <i>Plant Diversity</i> , 2016, 38, 163-170.	3.7	18
2655	ATP-binding cassette transmembrane transporters and their epigenetic control in cancer: an overview. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2016, 12, 1419-1432.	3.3	46
2656	Transporter engineering and enzyme evolution for pyruvate production from d/l-alanine with a whole-cell biocatalyst expressing l-amino acid deaminase from <i>Proteus mirabilis</i> . <i>RSC Advances</i> , 2016, 6, 82676-82684.	3.6	16

#	ARTICLE	IF	CITATIONS
2657	Organic UV filters inhibit multixenobiotic resistance (MXR) activity in <i>Tetrahymena thermophila</i> : investigations by the Rhodamine 123 accumulation assay and molecular docking. <i>Ecotoxicology</i> , 2016, 25, 1318-1326.	2.4	12
2658	Increased Expression of P-Glycoprotein Is Associated With Chlorpyrifos Resistance in the German Cockroach (Blattodea: Blattellidae). <i>Journal of Economic Entomology</i> , 2016, 109, 2500-2505.	1.8	7
2659	Phenyltetrazolyl-phenylamides: Substituent impact on modulation capability and selectivity toward the efflux protein ABCG2 and investigation of interaction with the transporter. <i>European Journal of Medicinal Chemistry</i> , 2016, 124, 881-895.	5.5	16
2660	The Effects of Fentanyl on Hepatic Mitochondrial Function. <i>Anesthesia and Analgesia</i> , 2016, 123, 311-325.	2.2	10
2661	Antimicrobial Drug Efflux Pumps in <i>Staphylococcus aureus</i> . , 2016, , 165-195.		8
2662	Identification of hepta-histidine as a candidate drug for Huntingtonâ€™s disease by in silico-in vitro- in vivo-integrated screens of chemical libraries. <i>Scientific Reports</i> , 2016, 6, 33861.	3.3	9
2663	Identification of Residues in the Lipopolysaccharide ABC Transporter That Coordinate ATPase Activity with Extractor Function. <i>MBio</i> , 2016, 7, .	4.1	32
2664	Optimization of Acryloylphenylcarboxamides as Inhibitors of ABCG2 and Comparison with Acryloylphenylcarboxylates. <i>ChemMedChem</i> , 2016, 11, 2547-2558.	3.2	13
2665	The uncoupled ATPase activity of the ABC transporter BtuC2D2 leads to a hysteretic conformational change, conformational memory and improved activity. <i>Scientific Reports</i> , 2016, 6, 21696.	3.3	18
2666	Recurrent amplification of RTEL1 and ABCA13 and its synergistic effect associated with clinicopathological data of gastric adenocarcinoma. <i>Molecular Cytogenetics</i> , 2016, 9, 52.	0.9	25
2667	Past seawater experience enhances seawater adaptability in medaka, <i>Oryzias latipes</i> . <i>Zoological Letters</i> , 2016, 2, 12.	1.3	19
2668	Atomistic molecular dynamics simulations of <sc>ATP</sc>-binding cassette transporters. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2016, 6, 255-265.	14.6	4
2669	Transport protein evolution deduced from analysis of sequence, topology and structure. <i>Current Opinion in Structural Biology</i> , 2016, 38, 9-17.	5.7	43
2670	Single Nanoparticle Plasmonic Spectroscopy for Study of Charge-Dependent Efflux Function of Multidrug ABC Transporters of Single Live <i>Bacillus subtilis</i> Cells. <i>Journal of Physical Chemistry C</i> , 2016, 120, 21007-21016.	3.1	10
2671	ABCC7/CFTR. , 2016, , 319-340.		1
2672	Genetic Polymorphisms of P-glycoprotein: Echoes of Silence. , 2016, , 105-134.		3
2673	Proteomics-based identification of midgut proteins correlated with Cry1Ac resistance in <i>Plutella xylostella</i> (L.). <i>Pesticide Biochemistry and Physiology</i> , 2016, 132, 108-117.	3.6	27
2674	ABC Transporters - 40 Years on. , 2016, , .		17

#	ARTICLE	IF	CITATIONS
2675	The Transporter Classification Database (TCDB): recent advances. <i>Nucleic Acids Research</i> , 2016, 44, D372-D379.	14.5	711
2676	Exploring the proteomic characteristics of the <i>Escherichia coli</i> B and K-12 strains in different cellular compartments. <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 1-9.	2.2	11
2677	Using the BacMam Baculovirus System to Study Expression and Function of Recombinant Efflux Drug Transporters in Polarized Epithelial Cell Monolayers. <i>Drug Metabolism and Disposition</i> , 2016, 44, 180-188.	3.3	5
2678	Geographical Distribution of MDR1 Expression in <i>Leishmania</i> Isolates, from Greece and Cyprus, Measured by the Rhodamine-123 Efflux Potential of the Isolates, Using Flow Cytometry. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016, 94, 987-992.	1.4	4
2679	Phylogenetic analysis of the ATP-binding cassette transporter family in three mosquito species. <i>Pesticide Biochemistry and Physiology</i> , 2016, 132, 118-124.	3.6	17
2680	Genes Encoding Cucumber Full-Size ABCG Proteins Show Different Responses to Plant Growth Regulators and Sclareolide. <i>Plant Molecular Biology Reporter</i> , 2016, 34, 720-736.	1.8	15
2681	Just How and Where Does P-glycoprotein Bind All Those Drugs?. , 2016, , 153-194.		2
2682	Relative Rates of Amino Acid Import via the ABC Transporter GlnPQ Determine the Growth Performance of <i>Lactococcus lactis</i> . <i>Journal of Bacteriology</i> , 2016, 198, 477-485.	2.2	16
2683	Bacterial ABC Multidrug Exporters: From Shared Proteins Motifs and Features to Diversity in Molecular Mechanisms. , 2016, , 37-51.		3
2684	Engineering <i>Rhodospiridium toruloides</i> with a membrane transporter facilitates production and separation of carotenoids and lipids in a bi-phasic culture. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 869-877.	3.6	60
2685	Profiling of <i>Brevibacillus borstelensis</i> transcriptome exposed to high temperature shock. <i>Genomics</i> , 2016, 107, 33-39.	2.9	3
2686	Plasma membrane dynamics and tetrameric organisation of ABCG2 transporters in mammalian cells revealed by single particle imaging techniques. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 19-29.	4.1	43
2687	The membrane proteome of male gametophyte in <i>Solanum lycopersicum</i> . <i>Journal of Proteomics</i> , 2016, 131, 48-60.	2.4	25
2688	Analysis of conformational motions and related key residue interactions responsible for a specific function of proteins with elastic network model. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016, 34, 560-571.	3.5	12
2690	Mechanism of Action of ABC Importers: Conservation, Divergence, and Physiological Adaptations. <i>Journal of Molecular Biology</i> , 2017, 429, 606-619.	4.2	71
2691	In silico characterization of TTHA0596: A potential Zn ²⁺ binding protein of ATP-binding cassette transporter. <i>Gene Reports</i> , 2017, 6, 132-141.	0.8	2
2692	Structural Basis for Regulation and Specificity of Fructooligosaccharide Import in <i>Streptococcus pneumoniae</i> . <i>Structure</i> , 2017, 25, 79-93.	3.3	18
2693	Crystal structure and mechanistic basis of a functional homolog of the antigen transporter TAP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E438-E447.	7.1	67

#	ARTICLE	IF	CITATIONS
2694	Conformational Change of a Tryptophan Residue in BtuF Facilitates Binding and Transport of Cobinamide by the Vitamin B12 Transporter BtuCD-F. <i>Scientific Reports</i> , 2017, 7, 41575.	3.3	18
2695	ATP-binding cassette (ABC) proteins in aquatic invertebrates: Evolutionary significance and application in marine ecotoxicology. <i>Aquatic Toxicology</i> , 2017, 185, 29-39.	4.0	53
2696	Coproduction of colicin V and lactic acid bacteria bacteriocins in lactococci and enterococci strains of biotechnological interest. <i>Journal of Applied Microbiology</i> , 2017, 122, 1159-1167.	3.1	11
2697	How Intrinsic Dynamics Mediates the Allosteric Mechanism in the ABC Transporter Nucleotide Binding Domain Dimer. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 1712-1722.	5.3	6
2698	From substrate specificity to promiscuity: hybrid ABC transporters for osmoprotectants. <i>Molecular Microbiology</i> , 2017, 104, 761-780.	2.5	42
2699	Knockdown of an ABC transporter leads to bright red eyes in the brown planthopper, <i>Nilaparvata lugens</i> (Stål) (Hemiptera: Delphacidae). <i>Journal of Asia-Pacific Entomology</i> , 2017, 20, 421-428.	0.9	5
2700	Genome-wide SNP analysis using 2b-RAD sequencing identifies the candidate genes putatively associated with resistance to ivermectin in <i>Haemonchus contortus</i> . <i>Parasites and Vectors</i> , 2017, 10, 31.	2.5	47
2701	Cry toxin specificities of insect ABCC transporters closely related to lepidopteran ABCC2 transporters. <i>Peptides</i> , 2017, 98, 86-92.	2.4	29
2702	Extracellular Heme Uptake and the Challenge of Bacterial Cell Membranes. <i>Annual Review of Biochemistry</i> , 2017, 86, 799-823.	11.1	99
2703	Analysis of ABC genes during melon ripening. <i>Acta Horticulturae</i> , 2017, , 121-126.	0.2	1
2704	Carbohydrate uptake in <i>Advenella mimigardefordensis</i> strain DPN7 ^T is mediated by periplasmic sugar oxidation and a TRAP ϵ transport system. <i>Molecular Microbiology</i> , 2017, 104, 916-930.	2.5	6
2705	Cellular Osmolytes. , 2017, , .		5
2706	Molecular dissection of <i>Caenorhabditis elegans</i> ATP-binding cassette transporter protein HAF-4 to investigate its subcellular localization and dimerization. <i>Biochemical and Biophysical Research Communications</i> , 2017, 490, 78-83.	2.1	2
2707	Efflux as a mechanism of antimicrobial drug resistance in clinical relevant microorganisms: the role of efflux inhibitors. <i>Expert Opinion on Therapeutic Targets</i> , 2017, 21, 23-36.	3.4	34
2708	A P-glycoprotein gene serves as a component of the protective mechanisms against 2-tridecanone and abamectin in <i>Helicoverpa armigera</i> . <i>Gene</i> , 2017, 627, 63-71.	2.2	8
2709	Comparative Genomic Analysis Reveals Habitat-Specific Genes and Regulatory Hubs within the Genus <i>Novosphingobium</i> . <i>MSystems</i> , 2017, 2, .	3.8	75
2710	Clinical Implications of Osmolytes in Various Human Diseases. , 2017, , 161-193.		0
2711	Membrane-spanning α -helical barrels as tractable protein-design targets. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160213.	4.0	26

#	ARTICLE	IF	CITATIONS
2712	Comparative genome analysis of <i>Lactobacillus plantarum</i> GB-LP3 provides candidates of survival-related genetic factors. <i>Infection, Genetics and Evolution</i> , 2017, 53, 218-226.	2.3	4
2713	Identification of direct target genes of miR-7, miR-9, miR-96, and miR-182 in the human breast cancer cell lines MCF-7 and MDA-MB-231. <i>Molecular and Cellular Probes</i> , 2017, 34, 45-52.	2.1	41
2714	Characterization of a major facilitator superfamily transporter in <i>Shiraia bambusicola</i> . <i>Research in Microbiology</i> , 2017, 168, 664-672.	2.1	18
2715	The ABC transporter ABCH-9C is needed for cuticle barrier construction in <i>Locusta migratoria</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2017, 87, 90-99.	2.7	49
2716	Engineering a switch-based biosensor for arginine using a <i>Thermotoga maritima</i> periplasmic binding protein. <i>Analytical Biochemistry</i> , 2017, 525, 60-66.	2.4	15
2717	Molecular Mechanism of Drug Resistance: Common Themes. , 2017, , 25-46.		1
2718	Implicating ABC Transporters in Insecticide Resistance: Research Strategies and a Decision Framework. <i>Journal of Economic Entomology</i> , 2017, 110, 667-677.	1.8	46
2719	Functional Roles of Highly Conserved Amino Acid Sequence Motifs A and C in Solute Transporters of the Major Facilitator Superfamily. , 2017, , 111-140.		4
2720	The <i>oppD</i> Gene and Putative Peptidase Genes May Be Required for Virulence in <i>Mycoplasma gallisepticum</i> . <i>Infection and Immunity</i> , 2017, 85, .	2.2	12
2721	Multiple ATP-binding cassette transporters are involved in insecticide resistance in the small brown planthopper, <i>Laodelphax striatellus</i> . <i>Insect Molecular Biology</i> , 2017, 26, 343-355.	2.0	64
2722	Cells on the move: Modulation of guidance cues during germ cell migration. <i>Fly</i> , 2017, 11, 200-207.	1.7	4
2723	Enhanced system performance by dosing ferrous oxide during the anaerobic treatment of tryptone-based high-strength wastewater. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 3929-3939.	3.6	51
2724	Drug Resistance in Bacteria, Fungi, Malaria, and Cancer. , 2017, , .		13
2725	Transcriptome-wide identification and expression analyses of ABC transporters in dwarf polish wheat under metal stresses. <i>Biologia Plantarum</i> , 2017, 61, 293-304.	1.9	30
2726	Genome-wide identification of ATP-binding cassette (ABC) transporters and their roles in response to polycyclic aromatic hydrocarbons (PAHs) in the copepod <i>Paracyclops nana</i> . <i>Aquatic Toxicology</i> , 2017, 183, 144-155.	4.0	19
2727	Describing the role of <i>Drosophila melanogaster</i> ABC transporters in insecticide biology using CRISPR-Cas9 knockouts. <i>Insect Biochemistry and Molecular Biology</i> , 2017, 91, 1-9.	2.7	44
2728	ATP binding and hydrolysis disrupt the high-affinity interaction between the heme ABC transporter HmuUV and its cognate substrate-binding protein. <i>Journal of Biological Chemistry</i> , 2017, 292, 14617-14624.	3.4	16
2729	Molecular Mechanism of Taurocholate Transport by the Bile Salt Export Pump, an ABC Transporter Associated with Intrahepatic Cholestasis. <i>Molecular Pharmacology</i> , 2017, 92, 401-413.	2.3	12

#	ARTICLE	IF	CITATIONS
2730	The pearl oyster <i>Pinctada fucata martensii</i> genome and multi-omic analyses provide insights into biomineralization. <i>GigaScience</i> , 2017, 6, 1-12.	6.4	160
2731	Mdr65 decreases toxicity of multiple insecticides in <i>Drosophila melanogaster</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2017, 89, 11-16.	2.7	36
2732	Overcoming ABC transporter-mediated multidrug resistance: The dual role of tyrosine kinase inhibitors as multitargeting agents. <i>European Journal of Medicinal Chemistry</i> , 2017, 142, 271-289.	5.5	167
2733	From Gene to Therapy: Understanding Human Disease through Genetics. <i>Colloquium Series on the Genetic Basis of Human Disease</i> , 2017, 5, i-89.	0.0	0
2734	Structural basis of nanobody-mediated blocking of BtuF, the cognate substrate-binding protein of the <i>Escherichia coli</i> vitamin B12 transporter BtuCD. <i>Scientific Reports</i> , 2017, 7, 14296.	3.3	20
2735	Absorption Properties of Luteolin and Apigenin in <i>Genkwa Flos</i> Using <i>In Situ</i> Single-Pass Intestinal Perfusion System in the Rat. <i>The American Journal of Chinese Medicine</i> , 2017, 45, 1745-1759.	3.8	12
2736	iTRAQ-based quantitative proteomic analysis reveals multiple effects of Emodin to <i>Haemophilus parasuis</i> . <i>Journal of Proteomics</i> , 2017, 166, 39-47.	2.4	12
2737	Leishmania LABCG1 and LABCG2 transporters are involved in virulence and oxidative stress: functional linkage with autophagy. <i>Parasites and Vectors</i> , 2017, 10, 267.	2.5	16
2738	Genome-wide identification of ATP-binding cassette (ABC) transporters and conservation of their xenobiotic transporter function in the monogonont rotifer (<i>Brachionus koreanus</i>). <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2017, 21, 17-26.	1.0	12
2739	Role of Passive Diffusion, Transporters, and Membrane Trafficking-Mediated Processes in Cellular Drug Transport. <i>Clinical Pharmacology and Therapeutics</i> , 2017, 101, 121-129.	4.7	28
2740	P-glycoprotein Inhibition Sensitizes Human Breast Cancer Cells to Proteasome Inhibitors. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 1239-1248.	2.6	17
2741	Interactions and cooperativity between P-glycoprotein structural domains determined by thermal unfolding provides insights into its solution structure and function. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 48-60.	2.6	17
2742	The <i>Shigella</i> ProU system is required for osmotic tolerance and virulence. <i>Virulence</i> , 2017, 8, 362-374.	4.4	7
2743	Bacterial peptide transporters: Messengers of nutrition to virulence. <i>Virulence</i> , 2017, 8, 297-309.	4.4	43
2744	The effects of dietary and herbal phytochemicals on drug transporters. <i>Advanced Drug Delivery Reviews</i> , 2017, 116, 45-62.	13.7	42
2745	Coupling between ATP hydrolysis and protein conformational change in maltose transporter. <i>Proteins: Structure, Function and Bioinformatics</i> , 2017, 85, 207-220.	2.6	0
2746	Role of 5-aza-CdR in mitomycin-C chemosensitivity of T24 bladder cancer cells. <i>Oncology Letters</i> , 2017, 14, 5652-5656.	1.8	9
2747	Blood-brain barrier development: Systems modeling and predictive toxicology. <i>Birth Defects Research</i> , 2017, 109, 1680-1710.	1.5	50

#	ARTICLE	IF	CITATIONS
2748	Identification of Four ATP-Binding Cassette Transporter Genes in <i>Cnaphalocrocis medinalis</i> and Their Expression in Response to Insecticide Treatment. <i>Journal of Insect Science</i> , 2017, 17, .	1.5	14
2749	The Role of Eukaryotic and Prokaryotic ABC Transporter Family in Failure of Chemotherapy. <i>Frontiers in Pharmacology</i> , 2016, 7, 535.	3.5	108
2750	Genome-Wide Identification, Evolution, and Expression Analysis of the ATP-Binding Cassette Transporter Gene Family in <i>Brassica rapa</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 349.	3.6	33
2751	Isolation of an ABA Transporter-Like 1 Gene from <i>Arachis hypogaea</i> That Affects ABA Import and Reduces ABA Sensitivity in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 1150.	3.6	20
2752	ABC Transporters in Cancer Stem Cells: Beyond Chemoresistance. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2362.	4.1	281
2753	New Roads Leading to Old Destinations: Efflux Pumps as Targets to Reverse Multidrug Resistance in Bacteria. <i>Molecules</i> , 2017, 22, 468.	3.8	142
2754	De Novo Transcriptome Sequencing and the Hypothetical Cold Response Mode of <i>Saussurea involucreata</i> in Extreme Cold Environments. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1155.	4.1	20
2755	Insights into Dynamic Polymicrobial Synergy Revealed by Time-Coursed RNA-Seq. <i>Frontiers in Microbiology</i> , 2017, 8, 261.	3.5	30
2756	A Novel MFS Transporter Gene <i>ChMfs1</i> Is Important for Hyphal Morphology, Conidiation, and Pathogenicity in <i>Colletotrichum higginsianum</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 1953.	3.5	31
2757	Nanoparticle System for Anticancer Drug Delivery: Targeting to Overcome Multidrug Resistance. , 2017, , 159-169.		7
2758	The Different Mechanisms of Cancer Drug Resistance: A Brief Review. <i>Advanced Pharmaceutical Bulletin</i> , 2017, 7, 339-348.	1.4	1,143
2759	Draft genome sequence of <i>Actinotignum schaalii</i> DSM 15541T: Genetic insights into the lifestyle, cell fitness and virulence. <i>PLoS ONE</i> , 2017, 12, e0188914.	2.5	5
2760	Involvement of <i>LeMDR</i> , an ATP-binding cassette protein gene, in shikonin transport and biosynthesis in <i>Lithospermum erythrorhizon</i> . <i>BMC Plant Biology</i> , 2017, 17, 198.	3.6	12
2761	The Potential of Non-Ionic Surfactant Against P-Glycoprotein Efflux Transporters for Drug Development System. <i>Journal of Bioequivalence & Bioavailability</i> , 2017, 09, .	0.1	1
2762	Mathematical Models of Microbial Growth and Metabolism: A Whole-Organism Perspective. <i>Science Progress</i> , 2017, 100, 343-362.	1.9	0
2763	Crystal structure of a substrate-binding protein from <i>Rhodothermus marinus</i> reveals a single $\beta\alpha\beta$ -domain. <i>Biochemical and Biophysical Research Communications</i> , 2018, 497, 368-373.	2.1	8
2764	Exposure of human neurons to silver nanoparticles induces similar pattern of ABC transporters gene expression as differentiation: Study on proliferating and post-mitotic LUHMES cells. <i>Mechanisms of Ageing and Development</i> , 2018, 171, 7-14.	4.6	12
2765	Extraction and preliminary chemical characterization of the venom of the spider wasp <i>Pepsis decorata</i> (Hymenoptera: Pompilidae). <i>Toxicon</i> , 2018, 150, 74-76.	1.6	10

#	ARTICLE	IF	CITATIONS
2766	Role of ABC transporters White , Scarlet and Brown in brown planthopper eye pigmentation. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2018, 221-222, 1-10.	1.6	11
2767	Reversal of Ovarian Cancer Multidrug Resistance by a Combination of LAH4-L1-siMDR1 Nanocomplexes with Chemotherapeutics. Molecular Pharmaceutics, 2018, 15, 1853-1861.	4.6	18
2768	miR-34 increases in vitro PANC-1 cell sensitivity to gemcitabine via targeting Slug/PUMA. Cancer Biomarkers, 2018, 21, 755-762.	1.7	11
2769	Milk as a Natural Product: Foreign Natural and Anthropogenic Organic Compounds in It. Studies in Natural Products Chemistry, 2018, 56, 335-435.	1.8	2
2770	Analysis of digital gene expression profiling in the gonad of male silkworms (<i>Bombyx mori</i>) under fluoride stress. Ecotoxicology and Environmental Safety, 2018, 153, 127-134.	6.0	17
2771	Energy Coupling Efficiency in the Type I ABC Transporter GlnPQ. Journal of Molecular Biology, 2018, 430, 853-866.	4.2	13
2772	Single gold nanoparticle plasmonic spectroscopy for study of chemical-dependent efflux function of single ABC transporters of single live <i>Bacillus subtilis</i> cells. Analyst, The, 2018, 143, 1599-1608.	3.5	15
2773	Structure of a MacAB-like efflux pump from <i>Streptococcus pneumoniae</i> . Nature Communications, 2018, 9, 196.	12.8	34
2774	Dissecting the Forces that Dominate Dimerization of the Nucleotide Binding Domains of ABCB1. Biophysical Journal, 2018, 114, 331-342.	0.5	19
2775	ATP-binding cassette transporters of the multicellular cyanobacterium <i>Anabaena</i> sp. PCC 7120: a wide variety for a complex lifestyle. FEMS Microbiology Letters, 2018, 365, .	1.8	14
2776	6-(7-nitro-2,1,3-benzoxadiazol-4-ylthio) hexanol: a promising new anticancer compound. Bioscience Reports, 2018, 38, .	2.4	17
2777	Structure activity relationships, multidrug resistance reversal and selectivity of heteroarylphenyl ABCG2 inhibitors. European Journal of Medicinal Chemistry, 2018, 146, 483-500.	5.5	23
2778	Metagenomic analysis of microbial community and function involved in cd-contaminated soil. BMC Microbiology, 2018, 18, 11.	3.3	148
2779	Characterization and heterologous expression of the neoabyssomicin/abyssomicin biosynthetic gene cluster from <i>Streptomyces koyangensis</i> SCSIO 5802. Microbial Cell Factories, 2018, 17, 28.	4.0	39
2780	Yield improvement of epothilones in <i>Burkholderia</i> strain DSM7029 via transporter engineering. FEMS Microbiology Letters, 2018, 365, .	1.8	8
2781	One Intact Transmembrane Substrate Binding Site Is Sufficient for the Function of the Homodimeric Type I ATP-Binding Cassette Importer for Positively Charged Amino Acids Art(MP) ₂ of <i>Geobacillus stearothermophilus</i> . Journal of Bacteriology, 2018, 200, .	2.2	5
2782	Genome-wide association mapping for resistance to leaf rust, stripe rust and tan spot in wheat reveals potential candidate genes. Theoretical and Applied Genetics, 2018, 131, 1405-1422.	3.6	101
2783	Cigarette smoking induces only marginal changes in sperm DNA methylation levels of patients undergoing intracytoplasmic sperm injection treatment. Andrologia, 2018, 50, e12818.	2.1	13

#	ARTICLE	IF	CITATIONS
2784	Comparison of mechanistic transport cycle models of ABC exporters. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 818-832.	2.6	88
2785	Genome-wide identification, phylogenetic analysis, and expression profiles of ATP-binding cassette transporter genes in the oriental fruit fly, <i>Bactrocera dorsalis</i> (Hendel) (Diptera: Tephritidae). <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2018, 25, 1-8.	1.0	21
2786	CFTR and Cystic Fibrosis. <i>Springer Briefs in Molecular Science</i> , 2018, , .	0.1	2
2787	CFTR and Cystic Fibrosis. <i>Springer Briefs in Molecular Science</i> , 2018, , 1-56.	0.1	3
2788	Boosted coupling of ATP hydrolysis to substrate transport upon cooperative estradiol-17 α -P- α -glucuronide binding in a <i>Drosophila</i> ATP binding cassette type- C transporter. <i>FASEB Journal</i> , 2018, 32, 669-680.	0.5	3
2789	Selective substrate uptake: The role of ATP-binding cassette (ABC) importers in pathogenesis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 868-877.	2.6	136
2790	“Just a spoonful of sugar...” import of sialic acid across bacterial cell membranes. <i>Biophysical Reviews</i> , 2018, 10, 219-227.	3.2	29
2791	The mechanism of nucleotide-binding domain dimerization in the intact maltose transporter as studied by all-atom molecular dynamics simulations. <i>Proteins: Structure, Function and Bioinformatics</i> , 2018, 86, 237-247.	2.6	7
2792	The effect of drug binding on specific sites in transmembrane helices 4 and 6 of the ABC exporter MsbA studied by DNP-enhanced solid-state NMR. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 833-840.	2.6	21
2793	Involvement of LeMRP, an ATP-binding cassette transporter, in shikonin transport and biosynthesis in <i>Lithospermum erythrorhizon</i> . <i>Plant Biology</i> , 2018, 20, 365-373.	3.8	10
2794	Pathogenic variability in <i>Phytophthora capsici</i> from black pepper (<i>Piper nigrum</i> L.) as revealed by transcriptome analysis. <i>Indian Phytopathology</i> , 2018, 71, 495-503.	1.2	2
2795	Molecular basis of cystic fibrosis: from bench to bedside. <i>Annals of Translational Medicine</i> , 2018, 6, 334-334.	1.7	36
2796	Biophysical insights into a highly selective L-arginine-binding lipoprotein of a pathogenic treponeme. <i>Protein Science</i> , 2018, 27, 2037-2050.	7.6	0
2797	Regulatory Mechanism of ABA and ABI3 on Vegetative Development in the Moss <i>Physcomitrella patens</i> . <i>International Journal of Molecular Sciences</i> , 2018, 19, 2728.	4.1	35
2798	ATP-Sensitive Potassium Channels and Their Physiological and Pathophysiological Roles. , 2018, 8, 1463-1511.		99
2799	Noncanonical role for the binding protein in substrate uptake by the MetNI methionine ATP Binding Cassette (ABC) transporter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10596-E10604.	7.1	36
2801	The Role of ABC Transporters in Drug-Resistant <i>Leishmania</i> . , 2018, , 247-272.		1
2802	Inhibiting Pneumococcal Surface Antigen A (PsaA) with Small Molecules Discovered through Virtual Screening: Steps toward Validating a Potential Target for <i>Streptococcus pneumoniae</i> . <i>Chemistry and Biodiversity</i> , 2018, 15, e1800234.	2.1	8

#	ARTICLE	IF	CITATIONS
2803	Synthetic Phosphorus Metabolic Pathway for Biosafety and Contamination Management of Cyanobacterial Cultivation. <i>ACS Synthetic Biology</i> , 2018, 7, 2189-2198.	3.8	39
2804	Effects of Various Pharmaceutical Excipients on the Intestinal Transport and Absorption of Sulfasalazine, a Typical Substrate of Breast Cancer Resistance Protein Transporter. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 2946-2956.	3.3	11
2805	Global Transcriptomic Analysis and Function Identification of Malolactic Enzyme Pathway of <i>Lactobacillus paracasei</i> L9 in Response to Bile Stress. <i>Frontiers in Microbiology</i> , 2018, 9, 1978.	3.5	27
2806	The structural basis of cystic fibrosis. <i>Biochemical Society Transactions</i> , 2018, 46, 1093-1098.	3.4	14
2807	Characterization of extracellular polysaccharide/protein contents during the adsorption of Cd(II) by <i>Synechocystis</i> sp. PCC6803. <i>Environmental Science and Pollution Research</i> , 2018, 25, 20713-20722.	5.3	61
2808	The ATP-binding protein FgArb1 is essential for penetration, infectious and normal growth of <i>Fusarium graminearum</i> . <i>New Phytologist</i> , 2018, 219, 1447-1466.	7.3	44
2809	Inventory of ABC proteins and their putative role in salt and drug tolerance in <i>Debaryomyces hansenii</i> . <i>Gene</i> , 2018, 676, 227-242.	2.2	7
2810	Polymorphisms of ABCG2 and its impact on clinical relevance. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 408-413.	2.1	25
2811	ABCA7 and Pathogenic Pathways of Alzheimer's Disease. <i>Brain Sciences</i> , 2018, 8, 27.	2.3	87
2812	The Uptake and Metabolism of Amino Acids, and Their Unique Role in the Biology of Pathogenic Trypanosomatids. <i>Pathogens</i> , 2018, 7, 36.	2.8	73
2813	The effects of DMARDs on the expression and function of P-gp, MRPs, BCRP in the treatment of autoimmune diseases. <i>Biomedicine and Pharmacotherapy</i> , 2018, 105, 870-878.	5.6	18
2814	Auxin Efflux Carrier ZmPGP1 Mediates Root Growth Inhibition under Aluminum Stress. <i>Plant Physiology</i> , 2018, 177, 819-832.	4.8	44
2815	Structure and Function of Multidrug Resistance Protein 1. <i>Biochemistry (Moscow)</i> , 2018, 83, 907-929.	1.5	13
2816	Drug Resistance in Leishmania Parasites. , 2018, , .		3
2817	Leishmaniasis: The Biology of a Parasite. , 2018, , 1-16.		2
2818	Role of tumor microenvironment in cancer stem cell chemoresistance and recurrence. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 103, 115-124.	2.8	54
2819	N-Terminal Extension and C-Terminal Domains Are Required for ABCB6/HMT-1 Protein Interactions, Function in Cadmium Detoxification, and Localization to the Endosomal-Recycling System in <i>Caenorhabditis elegans</i> . <i>Frontiers in Physiology</i> , 2018, 9, 885.	2.8	9
2820	A computational approach for mining cholesterol and their potential target against GPCR seven helices based on spectral clustering and fuzzy c-means algorithms. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018, 35, 305-314.	1.4	3

#	ARTICLE	IF	CITATIONS
2821	Fusarium graminearum ATP-Binding Cassette Transporter Gene FgABCC9 Is Required for Its Transportation of Salicylic Acid, Fungicide Resistance, Mycelial Growth and Pathogenicity towards Wheat. International Journal of Molecular Sciences, 2018, 19, 2351.	4.1	20
2822	The Genetics and Epigenetics of Colorectal Cancer Health Disparity. , 2018, , 87-115.		1
2823	The reliability of molecular dynamics simulations of the multidrug transporter P-glycoprotein in a membrane environment. PLoS ONE, 2018, 13, e0191882.	2.5	35
2824	Bioinformatic characterization of the Anoctamin Superfamily of Ca²⁺-activated ion channels and lipid scramblases. PLoS ONE, 2018, 13, e0192851.	2.5	52
2825	Comparative transcriptome analysis of <i>Sogatella furcifera</i> (Horváth) exposed to different insecticides. Scientific Reports, 2018, 8, 8773.	3.3	57
2827	Ligand binding to a remote site thermodynamically corrects the F508del mutation in the human cystic fibrosis transmembrane conductance regulator. Journal of Biological Chemistry, 2018, 293, 17685-17704.	3.4	9
2828	Structural snapshot of the cholesterol-transport ATP-binding cassette proteins. Biochemistry and Cell Biology, 2019, 97, 224-233.	2.0	14
2829	Crystal structures of AztD provide mechanistic insights into direct zinc transfer between proteins. Communications Biology, 2019, 2, 308.	4.4	7
2830	Precisely Control Mitochondria with Light to Manipulate Cell Fate Decision. Biophysical Journal, 2019, 117, 631-645.	0.5	23
2831	The SUF system: an ABC ATPase-dependent protein complex with a role in Fe-S cluster biogenesis. Research in Microbiology, 2019, 170, 426-434.	2.1	49
2832	Avenues of the membrane transport system in adaptation of plants to abiotic stresses. Critical Reviews in Biotechnology, 2019, 39, 861-883.	9.0	53
2833	Inhibition of Chemoresistance in Primary Tumor Cells by <i>Camellia sinensis</i> non fermentatum Extract Noviphenone (NPE®). Anticancer Research, 2019, 39, 4101-4110.	1.1	1
2834	Enhanced acid-stress tolerance in <i>Lactococcus lactis</i> NZ9000 by overexpression of ABC transporters. Microbial Cell Factories, 2019, 18, 136.	4.0	39
2835	The CydDC family of transporters. Research in Microbiology, 2019, 170, 407-416.	2.1	9
2836	Insights into the transcriptomic response of the plant engineering bacterium <i>Ensifer adhaerens</i> OV14 during transformation. Scientific Reports, 2019, 9, 10344.	3.3	5
2837	Nitrogen Fertilizer Induced Alterations in The Root Proteome of Two Rice Cultivars. International Journal of Molecular Sciences, 2019, 20, 3674.	4.1	9
2838	Life history and functional capacity of the microbiome are altered in beta-cypermethrin-resistant cockroaches. International Journal for Parasitology, 2019, 49, 715-723.	3.1	27
2839	MFS transporter from <i>Botrytis cinerea</i> provides tolerance to glucosinolate-breakdown products and is required for pathogenicity. Nature Communications, 2019, 10, 2886.	12.8	76

#	ARTICLE	IF	CITATIONS
2840	Plant allelochemicals: agronomic, nutritional and ecological relevance in the soil system. <i>Plant and Soil</i> , 2019, 442, 23-48.	3.7	133
2841	Design, synthesis and biological evaluation of stereo- and regioisomers of amino aryl esters as multidrug resistance (MDR) reversers. <i>European Journal of Medicinal Chemistry</i> , 2019, 182, 111655.	5.5	21
2842	Effects of Insecticide Stress on Expression of NIABCG Transporter Gene in the Brown Planthopper, <i>Nilaparvata lugens</i> . <i>Insects</i> , 2019, 10, 334.	2.2	16
2843	Bioinformatic Exploration of Metal-Binding Proteome of Zoonotic Pathogen <i>Orientia tsutsugamushi</i> . <i>Frontiers in Genetics</i> , 2019, 10, 797.	2.3	12
2844	Mapping benzimidazole resistance in trypanosomatids and exploring evolutionary histories of nitroreductases and ABCG transporter protein sequences. <i>Acta Tropica</i> , 2019, 200, 105161.	2.0	11
2845	Identification of candidate ATP-binding cassette transporter gene family members in <i>Diaphorina citri</i> (Hemiptera: Psyllidae) via adult tissues transcriptome analysis. <i>Scientific Reports</i> , 2019, 9, 15842.	3.3	14
2846	Functional analysis of SINCE1 in pistil development and fruit set in tomato (<i>Solanum lycopersicum</i>) Tj ETQq0 0 0 rBT /Overlock 10 Tf	3.3	16
2847	Molecular docking and dynamic approach to virtual screen inhibitors against Esbp of <i>Candidatus Liberibacter asiaticus</i> . <i>Journal of Molecular Graphics and Modelling</i> , 2019, 92, 329-340.	2.4	28
2848	The impact of acute benzo(a)pyrene on antioxidant enzyme and stress-related genes in tropical stony corals (<i>Acropora</i> spp.). <i>Science of the Total Environment</i> , 2019, 694, 133474.	8.0	13
2849	Metatranscriptomics reveals climate change effects on the rhizosphere microbiomes in European grassland. <i>Soil Biology and Biochemistry</i> , 2019, 138, 107604.	8.8	33
2850	Analysis of membrane transport mechanisms of endogenous substrates using chromatographic techniques. <i>Biomedical Chromatography</i> , 2019, 33, e4495.	1.7	1
2851	Protective and Detoxifying Enzyme Activity and ABCG Subfamily Gene Expression in <i>Sogatella furcifera</i> Under Insecticide Stress. <i>Frontiers in Physiology</i> , 2018, 9, 1890.	2.8	38
2852	Endogenous, cholesterol-activated ATP-dependent transport in membrane vesicles from <i>Spodoptera frugiperda</i> cells. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 137, 104963.	4.0	4
2853	Protease-Mediated Growth of <i>Staphylococcus aureus</i> on Host Proteins Is <i>opp3</i> Dependent. <i>MBio</i> , 2019, 10, .	4.1	31
2854	Heterogeneity of Hepatic Cancer Stem Cells. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1139, 59-81.	1.6	34
2855	Roles of DevBCA-like ABC transporters in the physiology of <i>Anabaena</i> sp. PCC 7120. <i>International Journal of Medical Microbiology</i> , 2019, 309, 325-330.	3.6	6
2856	Constrained Gene Block Discovery and Its Application to Prokaryotic Genomes. <i>Journal of Computational Biology</i> , 2019, 26, 745-766.	1.6	0
2857	Insect ATP-Binding Cassette (ABC) Transporters: Roles in Xenobiotic Detoxification and Bt Insecticidal Activity. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2829.	4.1	93

#	ARTICLE	IF	CITATIONS
2858	Biogenesis and Function of Peroxisomes in Human Disease with a Focus on the ABC Transporter. <i>Biological and Pharmaceutical Bulletin</i> , 2019, 42, 649-665.	1.4	12
2859	Genome-wide identification and gene expression pattern of ABC transporter gene family in <i>Capsicum</i> spp.. <i>PLoS ONE</i> , 2019, 14, e0215901.	2.5	38
2860	Crystal structures of a putative periplasmic cysteine-binding protein from <i>Candidatus Liberibacter asiaticus</i> : insights into an adapted mechanism of ligand binding. <i>FEBS Journal</i> , 2019, 286, 3450-3472.	4.7	7
2861	Functional analysis of Niemann-Pick disease type C family protein, NPC1a, in <i>Drosophila melanogaster</i> . <i>Development (Cambridge)</i> , 2019, 146, .	2.5	3
2862	Genome-wide identification of ATP-binding cassette transporters and expression profiles in the Asian citrus psyllid, <i>Diaphorina citri</i> , exposed to imidacloprid. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2019, 30, 305-311.	1.0	22
2863	ATP-Binding Cassette (ABC) Transporter Genes Involved in Pyrethroid Resistance in the Malaria Vector <i>Anopheles sinensis</i> : Genome-Wide Identification, Characteristics, Phylogenetics, and Expression Profile. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1409.	4.1	33
2864	Obesity-Altered Adipose Stem Cells Promote ER+ Breast Cancer Metastasis through Estrogen Independent Pathways. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1419.	4.1	29
2865	Characterization of Lipid-Protein Interactions and Lipid-Mediated Modulation of Membrane Protein Function through Molecular Simulation. <i>Chemical Reviews</i> , 2019, 119, 6086-6161.	47.7	176
2866	The effect of medicinal plants on multiple drug resistance through autophagy: A review of in vitro studies. <i>European Journal of Pharmacology</i> , 2019, 852, 244-253.	3.5	26
2867	Tissue-specific profiling of membrane proteins in the salicin sequestering juveniles of the herbivorous leaf beetle, <i>Chrysomela populi</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2019, 109, 81-91.	2.7	7
2868	Structural studies on bacterial system used in the recognition and uptake of the macromolecule alginate. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 794-802.	1.3	4
2869	P-glycoprotein Inhibitor Tariquidar Potentiates Efficacy of Astragaloside IV in Experimental Autoimmune Encephalomyelitis Mice. <i>Molecules</i> , 2019, 24, 561.	3.8	16
2870	The genome of the freshwater water flea <i>Daphnia magna</i> : A potential use for freshwater molecular ecotoxicology. <i>Aquatic Toxicology</i> , 2019, 210, 69-84.	4.0	104
2871	Sex- and developmental-specific transcriptomic analyses of the Antarctic mite, <i>Alaskozetes antarcticus</i> , reveal transcriptional shifts underlying oribatid mite reproduction. <i>Polar Biology</i> , 2019, 42, 357-370.	1.2	8
2872	Plant peroxisomal solute transporter proteins. <i>Journal of Integrative Plant Biology</i> , 2019, 61, 817-835.	8.5	32
2873	CFTR structure, stability, function and regulation. <i>Biological Chemistry</i> , 2019, 400, 1359-1370.	2.5	12
2874	Comparative sialotranscriptome analysis of the rare Chinese cicada <i>Subpsaltria yangi</i> , with identification of candidate genes related to host-plant adaptation. <i>International Journal of Biological Macromolecules</i> , 2019, 130, 323-332.	7.5	7
2875	Temporal proteomic profiling reveals changes that support <i>Burkholderia</i> biofilms. <i>Pathogens and Disease</i> , 2019, 77, .	2.0	9

#	ARTICLE	IF	CITATIONS
2877	The scfCDE Operon Encodes a Predicted ABC Importer Required for Fitness and Virulence during Group A Streptococcus Invasive Infection. <i>Infection and Immunity</i> , 2019, 87, .	2.2	3
2878	Age- and sex-related ABC transporter expression in pyrethroid-susceptible and “resistant <i>Aedes aegypti</i> . <i>Scientific Reports</i> , 2019, 9, 19551.	3.3	8
2879	Passenger sequences can promote interlaced dimers in a common variant of the maltose-binding protein. <i>Scientific Reports</i> , 2019, 9, 20396.	3.3	11
2880	Prognostic significance and molecular mechanisms of adenosine triphosphate-binding cassette subfamily C members in gastric cancer. <i>Medicine (United States)</i> , 2019, 98, e18347.	1.0	17
2881	Structural and functional insights into the <i>Diabrotica virgifera virgifera</i> ATP-binding cassette transporter gene family. <i>BMC Genomics</i> , 2019, 20, 899.	2.8	8
2882	GLUL Ablation Can Confer Drug Resistance to Cancer Cells via a Malate-Aspartate Shuttle-Mediated Mechanism. <i>Cancers</i> , 2019, 11, 1945.	3.7	11
2883	ABCB1 (P-glycoprotein) regulates vitamin D absorption and contributes to its transintestinal efflux. <i>FASEB Journal</i> , 2019, 33, 2084-2094.	0.5	25
2884	All about CDR transporters: Past, present, and future. <i>Yeast</i> , 2019, 36, 223-233.	1.7	28
2885	Genome-Wide Identification and Comparative Analysis for OPT Family Genes in <i>Panax ginseng</i> and Eleven Flowering Plants. <i>Molecules</i> , 2019, 24, 15.	3.8	20
2886	Energy-Coupling Factor Transporters as Novel Antimicrobial Targets. <i>Advanced Therapeutics</i> , 2019, 2, 1800066.	3.2	18
2887	Innovative Therapies for Cystic Fibrosis: The Road from Treatment to Cure. <i>Molecular Diagnosis and Therapy</i> , 2019, 23, 263-279.	3.8	12
2888	Pharmacological targeting of mitochondria in cancer stem cells: An ancient organelle at the crossroad of novel anti-cancer therapies. <i>Pharmacological Research</i> , 2019, 139, 298-313.	7.1	55
2889	<i>In Silico</i> Genome-Wide Analysis of the ATP-Binding Cassette Transporter Gene Family in Soybean (<i>Glycine max</i> L.) and Their Expression Profiling. <i>BioMed Research International</i> , 2019, 2019, 1-14.	1.9	25
2890	The E-helix is a central core in a conserved helical bundle involved in nucleotide binding and transmembrane domain intercalation in the ABC transporter superfamily. <i>International Journal of Biological Macromolecules</i> , 2019, 127, 95-106.	7.5	2
2891	A novel missense mutation in the ABCD1 gene of a Chinese boy diagnosed with X-linked adrenoleukodystrophy: case report. <i>Neurological Sciences</i> , 2019, 40, 1093-1096.	1.9	4
2892	Two ABC Transporters and a Periplasmic Metallochaperone Participate in Zinc Acquisition in <i>Paracoccus denitrificans</i> . <i>Biochemistry</i> , 2019, 58, 126-136.	2.5	16
2893	Evidence from Mutational Analysis for a Single Transmembrane Substrate Binding Site in the Histidine ATP-Binding Cassette Transporter of <i>Salmonella enterica</i> Serovar Typhimurium. <i>Journal of Bacteriology</i> , 2019, 201, .	2.2	2
2894	Functional characterization of two ABC transporters in <i>Sinonovacula constricta</i> gills and their barrier action in response to pathogen infection. <i>International Journal of Biological Macromolecules</i> , 2019, 121, 443-453.	7.5	8

#	ARTICLE	IF	CITATIONS
2895	Proteins Regulating Microvesicle Biogenesis and Multidrug Resistance in Cancer. <i>Proteomics</i> , 2019, 19, e1800165.	2.2	37
2896	ECF-Type ATP-Binding Cassette Transporters. <i>Annual Review of Biochemistry</i> , 2019, 88, 551-576.	11.1	63
2897	Root endophytic fungus <i>Piriformospora indica</i> improves drought stress adaptation in barley by metabolic and proteomic reprogramming. <i>Environmental and Experimental Botany</i> , 2019, 157, 197-210.	4.2	80
2898	The MDR1/ABCB1 gene rs 1045642 polymorphism in colorectal cancer. <i>Archives of Medical Science</i> , 2020, 16, 112-117.	0.9	8
2899	The ABC subfamily A transporters: Multifaceted players with incipient potentialities in cancer. <i>Seminars in Cancer Biology</i> , 2020, 60, 57-71.	9.6	90
2900	Reversal of multidrug resistance by amphiphilic morning glory resin glycosides in bacterial pathogens and human cancer cells. <i>Phytochemistry Reviews</i> , 2020, 19, 1211-1229.	6.5	15
2901	Role of ATP-binding cassette transporters in cancer initiation and progression. <i>Seminars in Cancer Biology</i> , 2020, 60, 72-95.	9.6	55
2902	Functional and morphological evolution in gymnosperms: A portrait of implicated gene families. <i>Evolutionary Applications</i> , 2020, 13, 210-227.	3.1	32
2903	Reduced expression of the P-glycoprotein gene <i>PxABCB1</i> is linked to resistance to <i>Bacillus thuringiensis</i> Cry1Ac toxin in <i>Plutella xylostella</i> (L.). <i>Pest Management Science</i> , 2020, 76, 712-720.	3.4	35
2904	Cdr1p highlights the role of the non-hydrolytic ATP-binding site in driving drug translocation in asymmetric ABC pumps. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183131.	2.6	12
2905	Developmental changes in urinary coproporphyrin ratio in premature infants. <i>Pediatrics International</i> , 2020, 62, 65-69.	0.5	1
2906	An ABCG Transporter Functions in Rab Localization and Lysosome-Related Organelle Biogenesis in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2020, 214, 419-445.	2.9	4
2907	Linker Domains: Why ABC Transporters “Live in Fragments no Longer”™. <i>Trends in Biochemical Sciences</i> , 2020, 45, 137-148.	7.5	24
2908	Transcriptional plasticity of different ABC transporter genes from <i>Tribolium castaneum</i> contributes to diflubenzuron resistance. <i>Insect Biochemistry and Molecular Biology</i> , 2020, 116, 103282.	2.7	36
2909	Interaction of <i>Bacillus thuringiensis</i> Cry toxins and the insect midgut with a focus on the silkworm (<i>Bombyx mori</i>) midgut. <i>Biocontrol Science and Technology</i> , 2020, 30, 68-84.	1.3	7
2910	ABC Transporters at the Blood-Brain Interfaces, Their Study Models, and Drug Delivery Implications in Gliomas. <i>Pharmaceutics</i> , 2020, 12, 20.	4.5	80
2911	Structural insight into the <i>Staphylococcus aureus</i> ATP-driven exporter of virulent peptide toxins. <i>Science Advances</i> , 2020, 6, .	10.3	9
2912	Computational SNP Analysis and Molecular Simulation Revealed the Most Deleterious Missense Variants in the NBD1 Domain of Human ABCA1 Transporter. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7606.	4.1	22

#	ARTICLE	IF	CITATIONS
2913	Comparative Peptidomic and Metatranscriptomic Analyses Reveal Improved Gamma-Amino Butyric Acid Production Machinery in <i>Levilactobacillus brevis</i> Strain NPS-QW 145 Cocultured with <i>Streptococcus thermophilus</i> Strain ASCC1275 during Milk Fermentation. <i>Applied and Environmental Microbiology</i> , 2020, 87, .	3.1	12
2914	Human ABCB1 with an ABCB11-like degenerate nucleotide binding site maintains transport activity by avoiding nucleotide occlusion. <i>PLoS Genetics</i> , 2020, 16, e1009016.	3.5	11
2915	Conformational Trapping of a $\hat{1}^2$ -Glucosides-Binding Protein Unveils the Selective Two-Step Ligand-Binding Mechanism of ABC Importers. <i>Journal of Molecular Biology</i> , 2020, 432, 5711-5734.	4.2	8
2916	Kinetic Modelling of Transport Inhibition by Substrates in ABC Importers. <i>Journal of Molecular Biology</i> , 2020, 432, 5565-5576.	4.2	5
2917	Multitask ATPases (NBDs) of bacterial ABC importers type I and their interspecies exchangeability. <i>Scientific Reports</i> , 2020, 10, 19564.	3.3	8
2918	Ligand binding and global adaptation of the GlnPQ substrate binding domain 2 revealed by molecular dynamics simulations. <i>Protein Science</i> , 2020, 29, 2482-2494.	7.6	5
2919	ATP-Binding Cassette (ABC) Transporter Genes in Plant-Parasitic Nematodes: An Opinion for Development of Novel Control Strategy. <i>Frontiers in Plant Science</i> , 2020, 11, 582424.	3.6	7
2920	ABCB1 c.2677G>T/c.3435C>T diplotype increases the early-phase oral absorption of losartan. <i>Archives of Pharmacal Research</i> , 2020, 43, 1187-1196.	6.3	19
2921	The role of the degenerate nucleotide binding site in type I ABC exporters. <i>FEBS Letters</i> , 2020, 594, 3815-3838.	2.8	36
2922	Structural Features Mediating Zinc Binding and Transfer in the AztABCD Zinc Transporter System. <i>Biomolecules</i> , 2020, 10, 1156.	4.0	5
2923	Integration of RNA-seq and RNAi provides a novel insight into the effect of <i>pvdE</i> gene to the pathogenic of <i>Pseudomonas plecoglossicida</i> and on the immune responses of orange-spotted grouper (<i>Epinephelus coioides</i>). <i>Aquaculture</i> , 2020, 529, 735695.	3.5	22
2924	A structural framework for unidirectional transport by a bacterial ABC exporter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 19228-19236.	7.1	21
2925	The genome of the marine monogonont rotifer <i>Brachionus rotundiformis</i> and insight into species-specific detoxification components in <i>Brachionus</i> spp.. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2020, 36, 100714.	1.0	7
2926	Diversity and genome mapping assessment of disordered and functional domains in trypanosomatids. <i>Journal of Proteomics</i> , 2020, 227, 103919.	2.4	2
2927	Impact of the nisin modification machinery on the transport kinetics of NisT. <i>Scientific Reports</i> , 2020, 10, 12295.	3.3	12
2928	Identification new potential multidrug resistance proteins of <i>Saccharomyces cerevisiae</i> . <i>Journal of Microbiological Methods</i> , 2020, 176, 106029.	1.6	4
2929	Genome-Wide Identification of Barley ABC Genes and Their Expression in Response to Abiotic Stress Treatment. <i>Plants</i> , 2020, 9, 1281.	3.5	25
2930	A twist in the ABC: regulation of ABC transporter trafficking and transport by FK506-binding proteins. <i>FEBS Letters</i> , 2020, 594, 3986-4000.	2.8	15

#	ARTICLE	IF	CITATIONS
2931	What monomeric nucleotide binding domains can teach us about dimeric ABC proteins. FEBS Letters, 2020, 594, 3857-3875.	2.8	14
2932	Tripartite transporters as mechanotransmitters in periplasmic alternating access mechanisms. FEBS Letters, 2020, 594, 3908-3919.	2.8	9
2933	The Balance between the Safety of Mother, Fetus, and Newborn Undergoing Cystic Fibrosis Transmembrane Conductance Regulator Treatments during Pregnancy. ACS Pharmacology and Translational Science, 2020, 3, 835-843.	4.9	15
2934	Quercetin acts as a P-gp modulator via impeding signal transduction from nucleotide-binding domain to transmembrane domain. Journal of Biomolecular Structure and Dynamics, 2022, 40, 4507-4515.	3.5	23
2935	Comparative transcriptomic analysis of antimony resistant and susceptible Leishmania infantum lines. Parasites and Vectors, 2020, 13, 600.	2.5	22
2936	Specificity of Interactions between Components of Two Zinc ABC Transporters in Paracoccus denitrificans. International Journal of Molecular Sciences, 2020, 21, 9098.	4.1	2
2937	Identification of prognostic and metastasis-related alternative splicing signatures in hepatocellular carcinoma. Bioscience Reports, 2020, 40, .	2.4	14
2938	Distinct Allosteric Networks Underlie Mechanistic Speciation of ABC Transporters. Structure, 2020, 28, 651-663.e5.	3.3	17
2939	The biosynthesis of the molybdenum cofactors in <i>Escherichia coli</i> . Environmental Microbiology, 2020, 22, 2007-2026.	3.8	27
2940	A Putative Efflux Transporter of the ABC Family, YbhFSR, in <i>Escherichia coli</i> Functions in Tetracycline Efflux and Na ⁺ (Li ⁺)/H ⁺ Transport. Frontiers in Microbiology, 2020, 11, 556.	3.5	24
2941	Comparative proteomics reveals stress responses of <i>Vibrio parahaemolyticus</i> biofilm on different surfaces: Internal adaptation and external adjustment. Science of the Total Environment, 2020, 731, 138386.	8.0	20
2942	Identification and transcriptional response of ATP-binding cassette transporters to chlorantraniliprole in the rice striped stem borer, <i>Chilo suppressalis</i> . Pest Management Science, 2020, 76, 3626-3635.	3.4	34
2943	Schistosoma mansoni sarco/endoplasmic reticulum Ca ²⁺ ATPases (SERCA): role in reduced sensitivity to praziquantel. Journal of Bioenergetics and Biomembranes, 2020, 52, 397-408.	2.3	6
2944	Multiple ATP-binding cassette transporters genes are involved in thiamethoxam resistance in Aphis gossypii glover. Pesticide Biochemistry and Physiology, 2020, 167, 104558.	3.6	20
2945	Filamentous Cyanobacteria as a Prototype of Multicellular Organisms. Russian Journal of Plant Physiology, 2020, 67, 17-30.	1.1	5
2946	Transcriptome Analysis of Two Strains of Proteus mirabilis with Swarming Migration Deficiency Isolated from Patients with Urinary Tract Infection. Current Microbiology, 2020, 77, 1381-1389.	2.2	5
2947	Substrate recognition and ATPase activity of the E. coli cysteine/cystine ABC transporter YecSC-FlhY. Journal of Biological Chemistry, 2020, 295, 5245-5256.	3.4	12
2948	Ratiometric population sensing by a pump-probe signaling system in Bacillus subtilis. Nature Communications, 2020, 11, 1176.	12.8	20

#	ARTICLE	IF	CITATIONS
2949	Cellular cholesterol prediction of mammalian ATP-binding cassette (ABC) proteins based on fuzzy c-means with support vector machine algorithms. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 39, 1611-1618.	1.4	5
2950	Phylogenetic analysis of the ATP-binding cassette proteins suggests a new ABC protein subfamily J in <i>Aedes aegypti</i> (Diptera: Culicidae). <i>BMC Genomics</i> , 2020, 21, 463.	2.8	16
2951	Cystic Fibrosis: Overview of the Current Development Trends and Innovative Therapeutic Strategies. <i>Pharmaceutics</i> , 2020, 12, 616.	4.5	20
2952	Targeting chloride transport in autosomal dominant polycystic kidney disease. <i>Cellular Signalling</i> , 2020, 73, 109703.	3.6	17
2953	Antibiotic Drug Nanocarriers for Probing of Multidrug ABC Membrane Transporter of <i>Bacillus subtilis</i> . <i>ACS Omega</i> , 2020, 5, 1625-1633.	3.5	12
2954	Electrospun fibrous mat based on silver (I) metal-organic frameworks-poly(lactic acid) for bacterial killing and antibiotic-free wound dressing. <i>Chemical Engineering Journal</i> , 2020, 390, 124523.	12.7	88
2955	A solid-state NMR tool box for the investigation of ATP-fueled protein engines. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2020, 117, 1-32.	7.5	13
2957	Defining the Environmental Adaptations of Genus <i>Devosia</i> : Insights into its Expansive Short Peptide Transport System and Positively Selected Genes. <i>Scientific Reports</i> , 2020, 10, 1151.	3.3	54
2958	Alpha-1 Antitrypsin: A Target for MicroRNA-Based Therapeutic Development for Cystic Fibrosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 836.	4.1	10
2959	The roles of genes associated with regulation, transportation, and macrocyclization in desotamide biosynthesis in <i>Streptomyces scopoliridis</i> SCSIO ZJ46. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 2603-2610.	3.6	6
2960	Competent but complex communication: The phenomena of pheromone-responsive plasmids. <i>PLoS Pathogens</i> , 2020, 16, e1008310.	4.7	16
2961	QTL mapping and identification of SNP-haplotypes affecting yield components of <i>Theobroma cacao</i> L.. <i>Horticulture Research</i> , 2020, 7, 26.	6.3	13
2962	Role of Osmolytes in Amyloidosis. , 0, , .		3
2963	Transcriptome analysis of <i>Penicillium italicum</i> in response to the flavonoids from <i>Sedum aizoon</i> L.. <i>World Journal of Microbiology and Biotechnology</i> , 2020, 36, 62.	3.6	18
2964	Upregulation of DUSP14 Affects Proliferation, Invasion and Metastasis, Potentially via Epithelial-Mesenchymal Transition and Is Associated with Poor Prognosis in Pancreatic Cancer. <i>Cancer Management and Research</i> , 2020, Volume 12, 2097-2108.	1.9	3
2965	Multiple High-Affinity K ⁺ Transporters and ABC Transporters Involved in K ⁺ Uptake/Transport in the Potassium-Hyperaccumulator Plant <i>Phytolacca acinosa</i> Roxb. <i>Plants</i> , 2020, 9, 470.	3.5	16
2966	Pharmacogenomics with red cells: a model to study protein variants of drug transporter genes. <i>Vox Sanguinis</i> , 2021, 116, 141-154.	1.5	3
2967	EslB Is Required for Cell Wall Biosynthesis and Modification in <i>Listeria monocytogenes</i> . <i>Journal of Bacteriology</i> , 2021, 203, .	2.2	6

#	ARTICLE	IF	CITATIONS
2968	Toxin- and species-dependent regulation of ATP-binding cassette (ABC) transporters in scallops after exposure to paralytic shellfish toxin-producing dinoflagellates. <i>Aquatic Toxicology</i> , 2021, 230, 105697.	4.0	13
2969	Enhanced expression of recombinant proteins in <i>Escherichia coli</i> by co-expression with <i>Vibrio parahaemolyticus</i> CsgG, a pore-forming protein of the curli biogenesis pathway. <i>Journal of Applied Microbiology</i> , 2021, 130, 1611-1629.	3.1	0
2970	Mechanism insights into polyhydroxyalkanoate-regulated denitrification from the perspective of pericytoplasmic nitrate reductase expression. <i>Science of the Total Environment</i> , 2021, 754, 142083.	8.0	9
2971	Non-target-Site Resistance in <i>Lolium</i> spp. Globally: A Review. <i>Frontiers in Plant Science</i> , 2020, 11, 609209.	3.6	26
2972	Drug Resistance in Liver Diseases. , 2021, , 335-365.		0
2973	The Structure and Mechanism of Drug Transporters. <i>Methods in Molecular Biology</i> , 2021, 2342, 193-234.	0.9	14
2974	The repertoire of ABC proteins in <i>Clostridioides difficile</i> . <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 2905-2920.	4.1	5
2975	Role of ABC transporters and other vacuolar transporters during heavy metal stress in plants. , 2021, , 55-76.		2
2976	Insights into Leishmania Molecules and Their Potential Contribution to the Virulence of the Parasite. <i>Veterinary Sciences</i> , 2021, 8, 33.	1.7	14
2977	High-efficiency production of bisabolene from waste cooking oil by metabolically engineered <i>Yarrowia lipolytica</i> . <i>Microbial Biotechnology</i> , 2021, 14, 2497-2513.	4.2	31
2978	An update of KAIKObase, the silkworm genome database. <i>Database: the Journal of Biological Databases and Curation</i> , 2021, 2021, .	3.0	17
2979	Insights into chlorantraniliprole resistance of <i>Chilo suppressalis</i> : Expression profiles of ATP-binding cassette transporter genes in strains ranging from low- to high-level resistance. <i>Journal of Asia-Pacific Entomology</i> , 2021, 24, 224-231.	0.9	8
2980	Identification and Expression Characterization of ATP-Binding Cassette (ABC) Transporter Genes in Melon Fly. <i>Insects</i> , 2021, 12, 270.	2.2	15
2981	Metagenomic analysis exploring taxonomic and functional diversity of bacterial communities of a Himalayan urban fresh water lake. <i>PLoS ONE</i> , 2021, 16, e0248116.	2.5	27
2982	<scp>ATP</scp> binding cassette importers in eukaryotic organisms. <i>Biological Reviews</i> , 2021, 96, 1318-1330.	10.4	17
2983	Structural Flexibility of Peripheral Loops and Extended C-terminal Domain of Short Length Substrate Binding Protein from <i>Rhodothermus marinus</i> . <i>Protein Journal</i> , 2021, 40, 184-191.	1.6	3
2984	Structural and thermodynamic insights into the novel dinucleotide-binding protein of ABC transporter unveils its moonlighting function. <i>FEBS Journal</i> , 2021, 288, 4614-4636.	4.7	3
2985	Single Cell-like Systems Reveal Active Unidirectional and Light-Controlled Transport by Nanomachineries. <i>ACS Nano</i> , 2021, 15, 6747-6755.	14.6	7

#	ARTICLE	IF	CITATIONS
2986	The genome of the marine water flea <i>Diaphanosoma celebensis</i> : Identification of phase I, II, and III detoxification genes and potential applications in marine molecular ecotoxicology. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2021, 37, 100787.	1.0	5
2987	Functional analysis of ABCG and ABCH transporters from the red flour beetle, <i>Tribolium castaneum</i> . <i>Pest Management Science</i> , 2021, 77, 2955-2963.	3.4	11
2988	Molecular Characterization and Transcriptional Expression Analysis of ABC Transporter H Subfamily Genes in the Oriental Fruit Fly. <i>Journal of Economic Entomology</i> , 2021, 114, 1298-1309.	1.8	5
2989	Multidrug Resistance in Mammals and Fungi—From MDR to PDR: A Rocky Road from Atomic Structures to Transport Mechanisms. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4806.	4.1	28
2990	ABCG transporter proteins with beneficial activity on plants. <i>Phytochemistry</i> , 2021, 184, 112663.	2.9	33
2991	Blood transcriptome profiling as potential biomarkers of suboptimal health status: potential utility of novel biomarkers for predictive, preventive, and personalized medicine strategy. <i>EPMA Journal</i> , 2021, 12, 103-115.	6.1	18
2992	An ABC transporter of the ABCC subfamily localized at the plasma membrane confers glyphosate resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2104746118.	7.1	4
2994	Identification of <i>ABCG</i> transporter genes associated with chlorantraniliprole resistance in <i>Plutella xylostella</i> (L.). <i>Pest Management Science</i> , 2021, 77, 3491-3499.	3.4	31
2995	Genome-wide identification of ABCC gene family and their expression analysis in pigment deposition of fiber in brown cotton (<i>Gossypium hirsutum</i>). <i>PLoS ONE</i> , 2021, 16, e0246649.	2.5	9
2996	Cryo-EM structure of ABCG5/G8 in complex with modulating antibodies. <i>Communications Biology</i> , 2021, 4, 526.	4.4	16
2997	Multiple Molecular Mechanisms to Overcome Multidrug Resistance in Cancer by Natural Secondary Metabolites. <i>Frontiers in Pharmacology</i> , 2021, 12, 658513.	3.5	21
2998	Diversity and prevalence of ANTAR RNAs across actinobacteria. <i>BMC Microbiology</i> , 2021, 21, 159.	3.3	0
2999	Overexpression of <i>ATP</i> -binding cassette transporters associated with sulfoxaflor resistance in <i>Aphis gossypii</i> glover. <i>Pest Management Science</i> , 2021, 77, 4064-4072.	3.4	16
3000	Mapping the genetic loci regulating leaf epicuticular wax, canopy temperature, and drought susceptibility index in <i>Triticum aestivum</i> . <i>Crop Science</i> , 2021, 61, 2294-2305.	1.8	7
3001	Co-Translational Folding of the First Transmembrane Domain of ABC-Transporter CFTR is Supported by Assembly with the First Cytosolic Domain. <i>Journal of Molecular Biology</i> , 2021, 433, 166955.	4.2	31
3002	Zebrafish (<i>Danio rerio</i>) ecotoxicological ABCB4, ABCC1 and ABCG2a gene promoters depict spatiotemporal xenobiotic multidrug resistance properties against environmental pollutants. <i>Gene Reports</i> , 2021, 23, 101110.	0.8	7
3004	Cloning and Characterization of <i>Aedes aegypti</i> Trypsin Modulating Oostatic Factor (TMOF) Gut Receptor. <i>Biomolecules</i> , 2021, 11, 934.	4.0	6
3006	Determinants of Unresponsiveness to Treatment in Cutaneous Leishmaniasis: A Focus on Anthroponotic Form Due to <i>Leishmania tropica</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 638957.	3.5	14

#	ARTICLE	IF	CITATIONS
3007	Impact of Concomitant Aberrant CD200 and BCL2 Overexpression on Outcome of Acute Myeloid Leukemia: A Cohort Study from a Single Center. <i>Turkish Journal of Haematology</i> , 2021, 38, 119-125.	0.5	2
3008	Selective Nutrient Transport in Bacteria: Multicomponent Transporter Systems Reign Supreme. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 699222.	3.5	23
3009	Expression, purification and microscopic characterization of human ATP-binding cassette sub-family B member 7 protein. <i>Protein Expression and Purification</i> , 2021, 183, 105860.	1.3	2
3010	The evolution of autophagy proteins â€“ diversification in eukaryotes and potential ancestors in prokaryotes. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	29
3011	Comparative and functional genomics of the ABC transporter superfamily across arthropods. <i>BMC Genomics</i> , 2021, 22, 553.	2.8	12
3012	The transferred translocases: An old wine in a new bottle. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 1587-1610.	3.1	1
3013	Structural Insights into Transporter-Mediated Drug Resistance in Infectious Diseases. <i>Journal of Molecular Biology</i> , 2021, 433, 167005.	4.2	20
3014	Flavanones: A potential natural inhibitor of the ATP binding site of PknG of <i>Mycobacterium tuberculosis</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 11885-11899.	3.5	4
3015	Genetic Heterogeneity, Therapeutic Hurdle Confronting Sorafenib and Immune Checkpoint Inhibitors in Hepatocellular Carcinoma. <i>Cancers</i> , 2021, 13, 4343.	3.7	8
3016	Quantitative prediction of P-glycoprotein-mediated drug-drug interactions and intestinal absorption using humanized mice. <i>British Journal of Pharmacology</i> , 2021, 178, 4335-4351.	5.4	7
3017	Drug resistance: from bacteria to cancer. <i>Molecular Biomedicine</i> , 2021, 2, 27.	4.4	14
3018	Effect of bile acids on the expression of MRP3 and MRP4: An In vitro study in HepG2 cell line. <i>Annals of Hepatology</i> , 2021, 24, 100325.	1.5	10
3019	Genome-wide analyses of ATP-Binding Cassette (ABC) transporter gene family and its expression profile related to deltamethrin tolerance in non-biting midge <i>Propiloscerus akamusi</i> . <i>Aquatic Toxicology</i> , 2021, 239, 105940.	4.0	8
3020	Titrateable transmembrane residues and a hydrophobic plug are essential for manganese import via the <i>Bacillus anthracis</i> ABC transporter MntBC-A. <i>Journal of Biological Chemistry</i> , 2021, 297, 101087.	3.4	1
3021	Electro-fermentation enhances H ₂ and ethanol co-production by regulating electron transfer and substrate transmembrane transport. <i>Chemical Engineering Journal</i> , 2022, 429, 132223.	12.7	14
3022	De novo assembly transcriptome analysis reveals the genes associated with body color formation in the freshwater ornamental shrimps <i>Neocaridina denticulate sinensis</i> . <i>Gene</i> , 2022, 806, 145929.	2.2	11
3023	Mechanism of temperature stress acclimation and the role of transporters in plants. , 2022, , 413-457.		3
3024	The roles of the human ATP-binding cassette transporters P-glycoprotein and ABCG2 in multidrug resistance in cancer and at endogenous sites: future opportunities for structure-based drug design of inhibitors. , 2021, 4, 784-804.		22

#	ARTICLE	IF	CITATIONS
3030	Cytochrome Biogenesis. , 1995, , 709-723.		8
3031	Adrenoleukodystrophy: Molecular, Metabolic, Pathologic, and Therapeutic Aspects. , 2009, , 13-42.		2
3032	Polymorphism of Microsatellite Sequence within ABC Transporter Genes in Phytopathogenic Fungus, Magnaporthe Grisea. , 2007, , 553-558.		1
3033	The ATP-Binding Cassette Transporter ABCA4: Structural and Functional Properties and Role in Retinal Disease. Advances in Experimental Medicine and Biology, 2010, 703, 105-125.	1.6	151
3034	Multidrug Resistance Transporter. , 1996, , 243-257.		5
3035	Multidrug Resistance Associated with Overexpression of MRP. Cancer Treatment and Research, 1996, 87, 39-62.	0.5	26
3036	ATP-Binding Cassette, Subfamily A (ABC1), Member 7 (ABCA7). , 2013, , 135-158.		3
3037	The KATP Channel and the Sulfonylurea Receptor. Growth Hormone, 2001, , 91-107.	0.2	2
3038	Structure and Function of Multidrug Transporters. Advances in Experimental Medicine and Biology, 1998, 456, 145-158.	1.6	14
3039	Persistent hyperinsulinemic hypoglycemia of infancy. Cancer Treatment and Research, 1997, 89, 347-363.	0.5	1
3040	Genetics of Bacteriocin Production in Lactic Acid Bacteria. , 2003, , 225-260.		2
3041	Pharmacology of Drug Transport in Multidrug Resistant Tumor Cells. , 1995, , 67-80.		5
3042	The Maltose System. , 1996, , 201-229.		7
3043	Multidrug Resistance: Phylogenetic Characterization of Superfamilies of Secondary Carriers that Include Drug Exporters. Methods in Molecular Biology, 2010, 637, 47-64.	0.9	50
3044	Membrane Transport of Anticancer Drugs and Drug Resistance. , 1995, , 413-431.		1
3045	The impact of multiple drug resistance (MDR) proteins on chemotherapy and drug discovery. , 2002, 58, 99-131.		15
3046	Structureâ€“Function of Plant ABC-Transporters. Signaling and Communication in Plants, 2014, , 219-240.	0.7	3
3047	Plastidic ABC Proteins. Signaling and Communication in Plants, 2014, , 103-136.	0.7	1

#	ARTICLE	IF	CITATIONS
3048	ABCG Transporters and Their Role in the Biotic Stress Response. Signaling and Communication in Plants, 2014, , 137-162.	0.7	4
3049	ATP-Sensitive Potassium Channels (KATP) Play a Role in Hypoxic Preconditioning Against Neonatal Hypoxic-Ischemic Brain Injury. Springer Series in Translational Stroke Research, 2017, , 185-201.	0.1	2
3050	Drug Resistance in Leishmania. , 2017, , 649-665.		2
3051	Herbivore Offense in the Sea: The Detoxification and Transport of Secondary Metabolites. , 2008, , 203-228.		21
3052	Structure and Function of ATP-Sensitive K ⁺ Channels. Handbook of Experimental Pharmacology, 2000, , 271-295.	1.8	4
3053	Genetic Improvement of Bacteria for Enhanced Biological Removal of Phosphate from Wastewater. Progress in Molecular and Subcellular Biology, 1999, 23, 299-311.	1.6	3
3054	Herpes Viral Proteins Manipulating the Peptide Transporter TAP. Current Topics in Microbiology and Immunology, 2002, 269, 75-83.	1.1	1
3055	Herpes Viral Proteins Blocking the Transporter Associated with Antigen Processing TAP “ From Genes to Function and Structure. Current Topics in Microbiology and Immunology, 2002, , 85-99.	1.1	16
3056	Phosphate Limitation. , 2001, , 65-110.		26
3057	Peptide Libraries in Cellular Immune Recognition. Current Topics in Microbiology and Immunology, 1999, 243, 1-21.	1.1	6
3058	The Molecular Basis for Pleiotropic Drug Resistance in the Yeast <i>Saccharomyces Cerevisiae</i> : Regulation of Expression, Intracellular Trafficking and Proteolytic Turnover of ATP Binding Cassette (ABC) Multidrug Resistance Transporters. , 1997, , 305-317.		2
3059	Regulation of Drug Conjugate Processing by Hepatocellular Transport Systems. Handbook of Experimental Pharmacology, 1994, , 311-338.	1.8	3
3060	How Do Cells Express Nutrient Limitation at the Molecular Level?. , 1995, , 171-190.		13
3061	Facts and Concepts in Cell Compartmentation. Progress in Botany Fortschritte Der Botanik, 1998, , 3-45.	0.3	5
3062	Fe(III) Periplasm-to-Cytosol Transporters of Gram-Negative Pathogens. Current Topics in Microbiology and Immunology, 1998, 225, 113-135.	1.1	39
3063	Membranes. , 1997, , 95-132.		4
3064	The Transporters Associated with Antigen Processing (TAP). Molecular Biology Intelligence Unit, 1997, , 115-136.	0.2	6
3065	Mammalian ABC Transporters and Leaderless Secretion: Facts and Speculations. Molecular Biology Intelligence Unit, 1997, , 137-159.	0.2	1

#	ARTICLE	IF	CITATIONS
3066	Repeats-in-Toxin (RTX) Toxins: A Review. Toxinology, 2018, , 353-381.	0.2	3
3067	RTX Toxins: A Review. , 2015, , 1-29.		3
3068	The proteolytic systems of lactic acid bacteria. , 1996, , 91-125.		4
3069	Secretion of natural and synthetic toxic compounds from filamentous fungi by membrane transporters of the ATP-binding cassette and major facilitator superfamily. , 2002, , 719-734.		13
3070	The biology of radioresistance: similarities, differences and interactions with drug resistance. , 1994, , 325-345.		2
3071	Opines and Opine-Like Molecules Involved in Plant-Rhizobiaceae Interactions. , 1998, , 173-197.		93
3072	Fate of Glutathione S-Conjugates in Plants. , 1997, , 233-244.		13
3073	Molecular Biology, Enzymology, and Physiology of \hat{I}^2 -Oxidation. , 2002, , 19-55.		15
3074	Stress responses in lactic acid bacteria. , 2002, , 187-216.		28
3075	TonB protein and energy transduction between membranes. Journal of Bioenergetics and Biomembranes, 1993, 25, 591-601.	2.3	200
3076	Tangier Disease and Neuropathy. , 2005, , 1905-1919.		1
3077	Streptomycin and Related Aminoglycosides. , 1995, 28, 531-570.		21
3078	Function and Structure of Membrane Transport Proteins. , 1998, , 3-29.		3
3079	White transporter family. , 1998, , 114-120.		4
3080	Drug Therapy in Pregnant and Nursing Women. , 2007, , 339-357.		5
3081	Peptide translocation by the transporters associated with antigen processing (TAP). , 1996, , 719-736.		2
3082	Two FHA domains on an ABC transporter, Rv1747, mediate its phosphorylation by PknF, a Ser/Thr protein kinase from Mycobacterium tuberculosis. FEMS Microbiology Letters, 2004, 234, 215-223.	1.8	40
3083	Overexpression and purification of the carboxyl-terminal nucleotide-binding domain from mouse P-glycoprotein. Strategic location of a tryptophan residue.. Journal of Biological Chemistry, 1994, 269, 22983-22989.	3.4	69

#	ARTICLE	IF	CITATIONS
3084	Nucleotide-induced conformational changes of Malk, a bacterial ATP binding cassette transporter protein.. Journal of Biological Chemistry, 1994, 269, 20456-20461.	3.4	57
3085	The cystic fibrosis transmembrane conductance regulator is a dual ATP and chloride channel.. Journal of Biological Chemistry, 1994, 269, 20584-20591.	3.4	316
3086	Characterization of KpsT, the ATP-binding component of the ABC-transporter involved with the export of capsular polysialic acid in Escherichia coli K1.. Journal of Biological Chemistry, 1994, 269, 20149-20158.	3.4	55
3087	Functional expression of P-glycoproteins in secretory vesicles.. Journal of Biological Chemistry, 1994, 269, 12277-12284.	3.4	121
3088	Substrate specificity of the two phosphate transport systems of Acinetobacter johnsonii 210A in relation to phosphate speciation in its aquatic environment.. Journal of Biological Chemistry, 1994, 269, 16212-16216.	3.4	30
3089	Mutational analysis of the traffic ATPase (ABC) transporters involved in uptake of eye pigment precursors in Drosophila melanogaster. Implications for structure-function relationships.. Journal of Biological Chemistry, 1994, 269, 10370-10377.	3.4	147
3090	Nucleotide binding to the hydrophilic C-terminal domain of the transporter associated with antigen processing (TAP).. Journal of Biological Chemistry, 1994, 269, 14032-14037.	3.4	67
3091	A carboxyl-terminal four-amino acid motif is required for secretion of the metalloprotease PrtG through the Erwinia chrysanthemi protease secretion pathway.. Journal of Biological Chemistry, 1994, 269, 8979-8985.	3.4	89
3092	Covalent inhibitors of P-glycoprotein ATPase activity.. Journal of Biological Chemistry, 1994, 269, 8986-8992.	3.4	129
3093	Molecular cloning and expression of the Saccharomyces cerevisiae STS1 gene product. A yeast ABC transporter conferring mycotoxin resistance.. Journal of Biological Chemistry, 1994, 269, 4180-4186.	3.4	211
3094	PDR5, a novel yeast multidrug resistance conferring transporter controlled by the transcription regulator PDR1.. Journal of Biological Chemistry, 1994, 269, 2206-2214.	3.4	389
3095	A novel cDNA restores reduced folate carrier activity and methotrexate sensitivity to transport deficient cells.. Journal of Biological Chemistry, 1994, 269, 17-20.	3.4	200
3096	The ATP-binding cassette (ABC) transporter for maltose/maltodextrins of Salmonella typhimurium. Characterization of the ATPase activity associated with the purified Malk subunit.. Journal of Biological Chemistry, 1993, 268, 18617-18621.	3.4	100
3097	Ion channel properties of the reconstituted chloroplast triose phosphate/phosphate translocator.. Journal of Biological Chemistry, 1994, 269, 29481-29489.	3.4	55
3098	The MRP gene encodes an ATP-dependent export pump for leukotriene C4 and structurally related conjugates.. Journal of Biological Chemistry, 1994, 269, 27807-27810.	3.4	727
3099	PrtD, the integral membrane ATP-binding cassette component of the Erwinia chrysanthemi metalloprotease secretion system, exhibits a secretion signal-regulated ATPase activity.. Journal of Biological Chemistry, 1994, 269, 27952-27957.	3.4	59
3100	Organic anion-transporting ATPase of rat liver. I. Purification, photoaffinity labeling, and regulation by phosphorylation.. Journal of Biological Chemistry, 1994, 269, 27566-27573.	3.4	35
3101	Rapid secretion by a nonclassical pathway of overexpressed mammalian mitochondrial rhodanese.. Journal of Biological Chemistry, 1994, 269, 27625-27630.	3.4	25

#	ARTICLE	IF	CITATIONS
3102	Mutation of Glycine 185 to Valine Alters the ATPase Function of the Human P-glycoprotein Expressed in Sf9 Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 6686-6690.	3.4	50
3103	Solubilization and characterization of the overexpressed PDR5 multidrug resistance nucleotide triphosphatase of yeast.. <i>Journal of Biological Chemistry</i> , 1994, 269, 12797-12803.	3.4	110
3104	SP1 activates the MDR1 promoter through one of two distinct G-rich regions that modulate promoter activity.. <i>Journal of Biological Chemistry</i> , 1993, 268, 19505-19511.	3.4	122
3105	Leukocyte chemotactic activity of cyclophilin.. <i>Journal of Biological Chemistry</i> , 1992, 267, 11968-11971.	3.4	171
3106	Glycosylphosphatidylinositol-anchored and core protein-intercalated heparan sulfate proteoglycans in rat ovarian granulosa cells have distinct secretory, endocytotic, and intracellular degradative pathways.. <i>Journal of Biological Chemistry</i> , 1992, 267, 9505-9511.	3.4	59
3107	The di- and tripeptide transport protein of <i>Lactococcus lactis</i> . A new type of bacterial peptide transporter. <i>Journal of Biological Chemistry</i> , 1994, 269, 11391-11399.	3.4	99
3108	Functional reconstitution of drug transport and ATPase activity in proteoliposomes containing partially purified P-glycoprotein.. <i>Journal of Biological Chemistry</i> , 1993, 268, 24197-24202.	3.4	238
3109	Fluorescent cellular indicators are extruded by the multidrug resistance protein.. <i>Journal of Biological Chemistry</i> , 1993, 268, 21493-21496.	3.4	451
3110	The human ATP-binding cassette (ABC) transporter superfamily. <i>Journal of Lipid Research</i> , 2001, 42, 1007-1017.	4.2	965
3111	Novel mutations in the gene encoding ATP-binding cassette 1 in four Tangier disease kindreds. <i>Journal of Lipid Research</i> , 2000, 41, 433-441.	4.2	122
3112	4 Regulation of CFTR Cl ⁻ ion channels by phosphorylation and dephosphorylation. <i>Advances in Second Messenger and Phosphoprotein Research</i> , 1999, 33, 79-106.	4.5	43
3113	Role of glycine-534 and glycine-1179 of human multidrug resistance protein (MDR1) in drug-mediated control of ATP hydrolysis. <i>Biochemical Journal</i> , 2001, 356, 71.	3.7	31
3114	Stimulation of P-glycoprotein-mediated drug transport by prazosin and progesterone. <i>FEBS Journal</i> , 1999, 259, 841-850.	0.2	261
3115	La réponse au stress osmotique des bactéries lactiques <i>Lactococcus lactis</i> et <i>Lactobacillus plantarum</i> (mini-revue). <i>Dairy Science and Technology</i> , 2001, 81, 49-55.	0.9	14
3116	Adaptation of <i>Lactobacillus sakei</i> to meat: a new regulatory mechanism of ribose utilization?. <i>Dairy Science and Technology</i> , 2001, 81, 131-138.	0.9	12
3117	A cluster of bacterial genes for anaerobic benzene ring biodegradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 6484-6489.	7.1	150
3118	Severed Molecules Functionally Define the Boundaries of the Cystic Fibrosis Transmembrane Conductance Regulator's Nh2-Terminal Nucleotide Binding Domain. <i>Journal of General Physiology</i> , 2000, 116, 163-180.	1.9	73
3119	Suppressor U1 snRNAs in <i>Drosophila</i> .. <i>Genetics</i> , 1994, 138, 365-378.	2.9	18

#	ARTICLE	IF	CITATIONS
3120	RTM1: a member of a new family of telomeric repeated genes in yeast.. Genetics, 1995, 140, 945-956.	2.9	91
3121	Genetic analysis of the colicin V secretion pathway.. Genetics, 1995, 141, 25-32.	2.9	69
3122	Isolation and Characterization of the <i>Xanthine Dehydrogenase</i> Gene of the Mediterranean Fruit Fly, <i>Ceratitis capitata</i> . Genetics, 2001, 158, 1645-1655.	2.9	8
3123	Clinical Significance of Multi-Drug Resistance Associated Protein and P-Glycoprotein in Patients with Bladder Cancer. Journal of Urology, 1997, , 1260-1264.	0.4	2
3124	Mutational analysis of the <i>Paracoccus denitrificans</i> c-type cytochrome biosynthetic genes ccmABCDG: disruption of ccmC has distinct effects suggesting a role for CcmC independent of CcmAB The GenBank accession number for the sequence determined in this work is Z71971.. Microbiology (United Kingdom), 2000, 146, 527-536.	1.8	23
3125	Identification and overexpression of ltnI, a novel gene which confers immunity to the two-component lantibiotic lactacin 3147. Microbiology (United Kingdom), 2000, 146, 129-138.	1.8	51
3126	Genetics and regulation of two distinct haem-uptake systems, phu and has, in <i>Pseudomonas aeruginosa</i> The GenBank accession numbers for the sequences reported in this paper are AF055999, AF127222, and AF127223.. Microbiology (United Kingdom), 2000, 146, 185-198.	1.8	289
3127	Oxidase and periplasmic cytochrome assembly in <i>Escherichia coli</i> K-12: CydDC and CcmAB are not required for haem-membrane association. Microbiology (United Kingdom), 2000, 146, 527-536.	1.8	36
3128	The <i>Bacillus subtilis</i> cysP gene encodes a novel sulphate permease related to the inorganic phosphate transporter (Pit) family. Microbiology (United Kingdom), 2000, 146, 815-821.	1.8	51
3129	Characterization of the recD gene of <i>Neisseria gonorrhoeae</i> MS11 and the effect of recD inactivation on pilin variation and DNA transformation. Microbiology (United Kingdom), 1999, 145, 389-400.	1.8	31
3130	Compensatory expression of multidrug-resistance genes encoding ABC transporters in dermatophytes. Journal of Medical Microbiology, 2016, 65, 605-610.	1.8	34
3131	The two-component system BfrAB regulates expression of ABC transporters in <i>Streptococcus gordonii</i> and <i>Streptococcus sanguinis</i> . Microbiology (United Kingdom), 2009, 155, 165-173.	1.8	21
3133	The Human ATP-Binding Cassette (ABC) Transporter Superfamily. Genome Research, 2001, 11, 1156-1166.	5.5	932
3134	Genetic Defenses against Hypercholesterolemia. Cold Spring Harbor Symposia on Quantitative Biology, 2002, 67, 499-506.	1.1	4
3135	Inhibitory effects of gallic acid ester derivatives on <i>Saccharomyces cerevisiae</i> multidrug resistance protein Pdr5p. FEMS Yeast Research, 2010, 10, 244-251.	2.3	18
3136	Inhibitory effects of gallic acid ester derivatives on <i>Saccharomyces cerevisiae</i> multidrug resistance protein Pdr5p. FEMS Yeast Research, 2010, 10, 244-51.	2.3	7
3137	Fungal Biofilms: Agents of Disease and Drug Resistance. , 0, , 177-185.		3
3138	Hemophore-Dependent Heme Acquisition Systems. , 0, , 38-47.		5

#	ARTICLE	IF	CITATIONS
3139	Biodegradation of Synthetic Chelating Agents. , 0, , 363-383.		3
3140	A Signal Transduction Network in <i>Bacillus subtilis</i> Includes the DegS/DegU and ComP/ComA Two-Component Systems. , 0, , 447-471.		27
3141	Genetic Analysis of the <i>Escherichia coli</i> K1 Capsule Gene Cluster. , 0, , 313-326.		2
3142	Membrane Permeability and Transport in <i>Mycobacterium tuberculosis</i> . , 0, , 333-352.		26
3143	Cyclosporin Analogs Inhibit In Vitro Growth of <i>Cryptosporidium parvum</i> . Antimicrobial Agents and Chemotherapy, 1998, 42, 843-848.	3.2	38
3144	Molecular characterization of genes involved in the production of the bacteriocin leucocin A from <i>Leuconostoc gelidum</i> . Applied and Environmental Microbiology, 1995, 61, 3573-3579.	3.1	90
3145	The genes for secretion and maturation of lactococcins are located on the chromosome of <i>Lactococcus lactis</i> IL1403. Applied and Environmental Microbiology, 1996, 62, 1689-1692.	3.1	44
3146	Characterization of the lactacin 481 operon: the <i>Lactococcus lactis</i> genes <i>lctF</i> , <i>lctE</i> , and <i>lctG</i> encode a putative ABC transporter involved in bacteriocin immunity. Applied and Environmental Microbiology, 1997, 63, 4252-4260.	3.1	105
3147	Cloning and functional expression in <i>Escherichia coli</i> of the gene encoding the di- and tripeptide transport protein of <i>Lactobacillus helveticus</i> . Applied and Environmental Microbiology, 1997, 63, 2213-2217.	3.1	22
3148	Characterization of Genes Involved in Biosynthesis of a Novel Antibiotic from <i>Burkholderia cepacia</i> BC11 and Their Role in Biological Control of <i>Rhizoctonia solani</i> . Applied and Environmental Microbiology, 1998, 64, 3939-3947.	3.1	110
3149	A Novel ATP-Binding Cassette Transporter Involved in Multidrug Resistance in the Phytopathogenic Fungus <i>Penicillium digitatum</i> . Applied and Environmental Microbiology, 1998, 64, 3983-3988.	3.1	173
3150	<i>phnE</i> and <i>glpT</i> Genes Enhance Utilization of Organophosphates in <i>Escherichia coli</i> K-12. Applied and Environmental Microbiology, 1998, 64, 2601-2608.	3.1	11
3151	Isolation, Characterization, and Heterologous Expression of the Novel Lantibiotic Epicidin 280 and Analysis of Its Biosynthetic Gene Cluster. Applied and Environmental Microbiology, 1998, 64, 3140-3146.	3.1	111
3152	Characterization and Heterologous Expression of the Genes Encoding Enterocin A Production, Immunity, and Regulation in <i>Enterococcus faecium</i> DPC1146. Applied and Environmental Microbiology, 1999, 65, 1506-1515.	3.1	105
3153	Characterization of the Binding Protein-Dependent Cellobiose and Cellotriose Transport System of the Cellulose Degradar <i>Streptomyces reticuli</i> . Applied and Environmental Microbiology, 1999, 65, 2636-2643.	3.1	72
3154	Identification of an ATP-Driven, Osmoregulated Glycine Betaine Transport System in <i>Listeria monocytogenes</i> . Applied and Environmental Microbiology, 1999, 65, 4040-4048.	3.1	110
3155	Genetic map of the <i>Actinobacillus pleuropneumoniae</i> RTX-toxin (Apx) operons: characterization of the ApxIII operons. Infection and Immunity, 1994, 62, 4411-4418.	2.2	25
3156	Cloning and sequencing of a <i>Bordetella pertussis</i> serum resistance locus. Infection and Immunity, 1994, 62, 4727-4738.	2.2	185

#	ARTICLE	IF	CITATIONS
3157	Reduced virulence of <i>Candida albicans</i> mutants affected in multidrug resistance. <i>Infection and Immunity</i> , 1995, 63, 4515-4518.	2.2	67
3158	scbA from <i>Streptococcus crista</i> CC5A: an atypical member of the Iral gene family. <i>Infection and Immunity</i> , 1996, 64, 2114-2121.	2.2	26
3159	<i>Porphyromonas gingivalis</i> genes isolated by screening for epithelial cell attachment. <i>Infection and Immunity</i> , 1996, 64, 3624-3631.	2.2	19
3160	Identification and characterization of a DNA region involved in the export of capsular polysaccharide by <i>Actinobacillus pleuropneumoniae</i> serotype 5a. <i>Infection and Immunity</i> , 1997, 65, 2491-2496.	2.2	45
3161	A <i>Neisseria meningitidis</i> fbpABC Mutant Is Incapable of Using Nonheme Iron for Growth. <i>Infection and Immunity</i> , 1998, 66, 2330-2336.	2.2	48
3162	Lyme Disease-Causing <i>Borrelia</i> Species Encode Multiple Lipoproteins Homologous to Peptide-Binding Proteins of ABC-Type Transporters. <i>Infection and Immunity</i> , 1998, 66, 4115-4122.	2.2	31
3163	<i>Salmonella typhimurium</i> Encodes a Putative Iron Transport System within the Centisome 63 Pathogenicity Island. <i>Infection and Immunity</i> , 1999, 67, 1974-1981.	2.2	146
3164	Molecular Characterization of the Hemin Uptake Locus (<i>hmu</i>) from <i>Yersinia pestis</i> and Analysis of <i>hmu</i> Mutants for Hemin and Hemoprotein Utilization. <i>Infection and Immunity</i> , 1999, 67, 3879-3892.	2.2	134
3165	Repression of the <i>Escherichia coli</i> modABCD (molybdate transport) operon by ModE. <i>Journal of Bacteriology</i> , 1996, 178, 735-744.	2.2	101
3166	MdfA, an <i>Escherichia coli</i> multidrug resistance protein with an extraordinarily broad spectrum of drug recognition. <i>Journal of Bacteriology</i> , 1997, 179, 2274-2280.	2.2	322
3167	Acquired Thermotolerance and Temperature-Induced Protein Accumulation in the Extremely Thermophilic Bacterium <i>Rhodothermus obamensis</i> . <i>Journal of Bacteriology</i> , 1998, 180, 2770-2774.	2.2	11
3168	A Silent ABC Transporter Isolated from <i>Streptomyces rochei</i> F20 Induces Multidrug Resistance. <i>Journal of Bacteriology</i> , 1998, 180, 4017-4023.	2.2	17
3169	Biochemistry and Regulation of a Novel <i>Escherichia coli</i> K-12 Porin Protein, OmpG, Which Produces Unusually Large Channels. <i>Journal of Bacteriology</i> , 1998, 180, 4452-4459.	2.2	87
3170	The Adhesion-Associated <i>sca</i> Operon in <i>Streptococcus gordonii</i> Encodes an Inducible High-Affinity ABC Transporter for Mn ²⁺ Uptake. <i>Journal of Bacteriology</i> , 1998, 180, 290-295.	2.2	121
3171	Identification, Genomic Organization, and Analysis of the Group III Capsular Polysaccharide Genes <i>kpsD</i> , <i>kpsM</i> , <i>kpsT</i> , and <i>kpsE</i> from an Extraintestinal Isolate of <i>Escherichia coli</i> (CP9, O4/K54/H5). <i>Journal of Bacteriology</i> , 1998, 180, 338-349.	2.2	43
3172	Domain Structure of the ATP-Binding-Cassette Protein Malk of <i>Salmonella typhimurium</i> as Assessed by Coexpressed Half Molecules and LacZ-Malk Chimeras. <i>Journal of Bacteriology</i> , 1998, 180, 5299-5305.	2.2	12
3173	An ABC Transporter Plays a Developmental Aggregation Role in <i>Myxococcus xanthus</i> . <i>Journal of Bacteriology</i> , 1998, 180, 5697-5703.	2.2	20
3174	An ABC Transporter System of <i>Yersinia pestis</i> Allows Utilization of Chelated Iron by <i>Escherichia coli</i> SAB11. <i>Journal of Bacteriology</i> , 1998, 180, 1135-1147.	2.2	139

#	ARTICLE	IF	CITATIONS
3175	Purification of an Extracellular Signaling Molecule Involved in Production of Aerial Mycelium by <i>Streptomyces coelicolor</i> . Journal of Bacteriology, 1998, 180, 1334-1337.	2.2	73
3176	When an ATPase Is Not an ATPase: at Low Temperatures the C-Terminal Domain of the ABC Transporter CvaB Is a GTPase. Journal of Bacteriology, 1998, 180, 1347-1353.	2.2	20
3177	Membrane Topology of MntB, the Transmembrane Protein Component of an ABC Transporter System for Manganese in the Cyanobacterium <i>Synechocystis</i> sp. Strain PCC 6803. Journal of Bacteriology, 1999, 181, 3591-3593.	2.2	15
3178	The Glucuronic Acid Utilization Gene Cluster from <i>Bacillus stearothermophilus</i> T-6. Journal of Bacteriology, 1999, 181, 3695-3704.	2.2	130
3179	The Adherence-Associated Lipoprotein P100, Encoded by an opp Operon Structure, Functions as the Oligopeptide-Binding Domain OppA of a Putative Oligopeptide Transport System in <i>Mycoplasma hominis</i> . Journal of Bacteriology, 1999, 181, 4873-4878.	2.2	46
3180	Ferric Enterochelin Transport in <i>Yersinia enterocolitica</i> : Molecular and Evolutionary Aspects. Journal of Bacteriology, 1999, 181, 6387-6395.	2.2	67
3181	Characterization of a Periplasmic ATP-Binding Cassette Iron Import System of <i>Brachyspira</i> () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.2	25
3182	Renaturation of Recombinant <i>Treponema pallidum</i> Rare Outer Membrane Protein 1 into a Trimeric, Hydrophobic, and Porin-Active Conformation. Journal of Bacteriology, 1999, 181, 7168-7175.	2.2	10
3183	Cloning and Characterization of the <i>Pseudomonas fluorescens</i> ATP-Binding Cassette Exporter, HasDEF, for the Heme Acquisition Protein HasA. Journal of Bacteriology, 1999, 181, 7545-7551.	2.2	37
3184	Topology of RbsC, a Membrane Component of the Ribose Transporter, Belonging to the AraH Superfamily. Journal of Bacteriology, 1999, 181, 1039-1042.	2.2	12
3185	The <i>bspA</i> Locus of <i>Lactobacillus fermentum</i> BR11 Encodes an <i>scp</i> -Cystine Uptake System. Journal of Bacteriology, 1999, 181, 2192-2198.	2.2	59
3186	Acarbose, a Pseudooligosaccharide, Is Transported but Not Metabolized by the Maltose-Maltodextrin System of <i>Escherichia coli</i> . Journal of Bacteriology, 1999, 181, 2612-2619.	2.2	32
3187	<i>Corynebacterium riegeli</i> sp. nov., an Unusual Species Isolated from Female Patients with Urinary Tract Infections. Journal of Clinical Microbiology, 1998, 36, 624-627.	3.9	47
3188	Isolation and characterization of a <i>Saccharomyces cerevisiae</i> peptide transport gene. Molecular and Cellular Biology, 1994, 14, 104-115.	2.3	55
3189	Functional expression of P-glycoprotein in <i>Saccharomyces cerevisiae</i> confers cellular resistance to the immunosuppressive and antifungal agent FK520. Molecular and Cellular Biology, 1994, 14, 277-286.	2.3	20
3190	Nucleotide Sequence of the Yeast <i>STE14</i> Gene, Which Encodes Farnesylcysteine Carboxyl Methyltransferase, and Demonstration of its Essential Role in a-Factor Export. Molecular and Cellular Biology, 1994, 14, 1438-1449.	2.3	44
3191	Expression of the Plasmodial <i>pfmdr1</i> Gene in Mammalian Cells Is Associated with Increased Susceptibility to Chloroquine. Molecular and Cellular Biology, 1994, 14, 2419-2428.	2.3	13
3192	Cell biology and molecular basis of denitrification. Microbiology and Molecular Biology Reviews, 1997, 61, 533-616.	6.6	1,439

#	ARTICLE	IF	CITATIONS
3193	Genetics of O-Antigen Biosynthesis in <i>Pseudomonas aeruginosa</i> . Microbiology and Molecular Biology Reviews, 1999, 63, 523-553.	6.6	310
3194	Structural, functional, and evolutionary relationships among extracellular solute-binding receptors of bacteria. Microbiological Reviews, 1993, 57, 320-346.	10.1	669
3195	ABC transporters: bacterial exporters. Microbiological Reviews, 1993, 57, 995-1017.	10.1	588
3196	Computer-aided analyses of transport protein sequences: gleaned evidence concerning function, structure, biogenesis, and evolution. Microbiological Reviews, 1994, 58, 71-93.	10.1	252
3197	The plasma membrane of <i>Saccharomyces cerevisiae</i> : structure, function, and biogenesis. Microbiological Reviews, 1995, 59, 304-322.	10.1	264
3198	Fungal lipopeptide mating pheromones: a model system for the study of protein prenylation. Microbiological Reviews, 1995, 59, 406-422.	10.1	105
3199	Multidrug resistance related molecules in human and murine lung. Journal of Clinical Pathology, 2002, 55, 332-339.	2.0	142
3200	Transcriptomic silencing as a potential mechanism of treatment resistance. JCI Insight, 2020, 5, .	5.0	26
3201	Coexpression of ATP-binding cassette proteins ABCG5 and ABCG8 permits their transport to the apical surface. Journal of Clinical Investigation, 2002, 110, 659-669.	8.2	252
3202	Identification of mutations in the putative ATP-binding domain of the adrenoleukodystrophy gene.. Journal of Clinical Investigation, 1994, 94, 516-520.	8.2	62
3203	Structural cues involved in endoplasmic reticulum degradation of G85E and G91R mutant cystic fibrosis transmembrane conductance regulator.. Journal of Clinical Investigation, 1997, 100, 1079-1088.	8.2	65
3204	Drug export activity of the human canalicular multispecific organic anion transporter in polarized kidney MDCK cells expressing cMOAT (MRP2) cDNA.. Journal of Clinical Investigation, 1998, 101, 1310-1319.	8.2	487
3205	Coexpression of ATP-binding cassette proteins ABCG5 and ABCG8 permits their transport to the apical surface. Journal of Clinical Investigation, 2002, 110, 659-669.	8.2	132
3206	Mutations in lipid transporter ABCA12 in harlequin ichthyosis and functional recovery by corrective gene transfer. Journal of Clinical Investigation, 2005, 115, 1777-1784.	8.2	334
3207	Absence or pharmacological blocking of placental P-glycoprotein profoundly increases fetal drug exposure. Journal of Clinical Investigation, 1999, 104, 1441-1447.	8.2	314
3208	The Tangier disease gene product ABC1 controls the cellular apolipoprotein-mediated lipid removal pathway. Journal of Clinical Investigation, 1999, 104, R25-R31.	8.2	665
3209	ABC1: connecting yellow tonsils, neuropathy, and very low HDL. Journal of Clinical Investigation, 1999, 104, 1015-1017.	8.2	69
3210	Dominantly inherited hyperinsulinism caused by a mutation in the sulfonylurea receptor type 1. Journal of Clinical Investigation, 2000, 106, 897-906.	8.2	237

#	ARTICLE	IF	CITATIONS
3211	Altered Multidrug Resistance Phenotype Caused by Anthracycline Analogues and Cytosine Arabinoside in Myeloid Leukemia. <i>Blood</i> , 1999, 93, 4086-4095.	1.4	3
3212	HMBA induces activation of a caspase-independent cell death pathway to overcome P-glycoprotein-mediated multidrug resistance. <i>Blood</i> , 2000, 95, 2378-2385.	1.4	25
3213	Human ABC7 transporter: gene structure and mutation causing X-linked sideroblastic anemia with ataxia with disruption of cytosolic iron-sulfur protein maturation. <i>Blood</i> , 2000, 96, 3256-3264.	1.4	5
3214	Isolation of gene conferring salt tolerance from halophilic bacteria of Lunsu, Himachal Pradesh, India. <i>Journal of Genetic Engineering and Biotechnology</i> , 2020, 18, 57.	3.3	2
3215	Unmodified Peptide-Bacteriocins (Class II) Produced by Lactic Acid Bacteria. , 2001, , .		3
3216	Lactic Acid Bacteria. , 2004, , .		134
3217	Glutathione-Conjugate Transport and Stress-Response Signaling. , 2006, , 231-256.		7
3218	Biomarkers in environmental assessment. , 2005, , 87-152.		2
3219	Molecular Biology, Biochemistry and Fermentation of Aminoglycoside Antibiotics. <i>Drugs and the Pharmaceutical Sciences</i> , 1997, , 81-163.	0.1	24
3220	Drug efflux mediated by the human multidrug resistance P-glycoprotein is inhibited by cell swelling. <i>Journal of Cell Science</i> , 1994, 107, 3281-3290.	2.0	19
3221	Production and characterisation of monoclonal and polyclonal antibodies to different regions of the cystic fibrosis transmembrane conductance regulator (cftr): Detection of immunologically related proteins. <i>Journal of Cell Science</i> , 1995, 108, 2433-2444.	2.0	33
3222	Bile acid secretion and direct targeting of mdr1-green fluorescent protein from Golgi to the canalicular membrane in polarized WIF-B cells. <i>Journal of Cell Science</i> , 1999, 112, 4535-4545.	2.0	82
3223	The human multidrug resistance protein MRP1 translocates sphingolipid analogs across the plasma membrane. <i>Journal of Cell Science</i> , 1999, 112, 415-422.	2.0	138
3224	The multidrug-resistant phenotype associated with overexpression of the new ABC half-transporter, MXR (ABCG2). <i>Journal of Cell Science</i> , 2000, 113, 2011-2021.	2.0	439
3225	Role of the ribosome in sequence-specific regulation of membrane targeting and translocation of P-glycoprotein signal-anchor transmembrane segments. <i>Journal of Cell Science</i> , 2000, 113, 2545-2555.	2.0	4
3226	ABC transporters required for endocytosis and endosomal pH regulation in <i>Dictyostelium</i> . <i>Journal of Cell Science</i> , 2001, 114, 3923-3932.	2.0	23
3227	Bafilomycins and concanamycins as inhibitors of V-ATPases and P-ATPases. <i>Journal of Experimental Biology</i> , 1997, 200, 1-8.	1.7	459
3228	Transepithelial transport of nicotine and vinblastine in isolated malpighian tubules of the tobacco hornworm (<i>Manduca sexta</i>) suggests a P-glycoprotein-like mechanism. <i>Journal of Experimental Biology</i> , 1998, 201, 2637-2645.	1.7	86

#	ARTICLE	IF	CITATIONS
3229	Permeation Through the Cftr Chloride Channel. <i>Journal of Experimental Biology</i> , 2000, 203, 1947-1962.	1.7	92
3230	An Oligopeptide Transporter of <i>Mycobacterium tuberculosis</i> Regulates Cytokine Release and Apoptosis of Infected Macrophages. <i>PLoS ONE</i> , 2010, 5, e12225.	2.5	44
3231	The N-Terminal Extension Domain of the <i>C. elegans</i> Half-Molecule ABC Transporter, HMT-1, Is Required for Protein-Protein Interactions and Function. <i>PLoS ONE</i> , 2010, 5, e12938.	2.5	14
3232	Dimerization of ABCG2 Analysed by Bimolecular Fluorescence Complementation. <i>PLoS ONE</i> , 2011, 6, e25818.	2.5	24
3233	ABC Transporters in <i>Dictyostelium discoideum</i> Development. <i>PLoS ONE</i> , 2013, 8, e70040.	2.5	14
3234	Whole-Genome Survey of the Putative ATP-Binding Cassette Transporter Family Genes in <i>Vitis vinifera</i> . <i>PLoS ONE</i> , 2013, 8, e78860.	2.5	55
3235	Transcriptional Regulation and Adaptation to a High-Fiber Environment in <i>Bacillus subtilis</i> HH2 Isolated from Feces of the Giant Panda. <i>PLoS ONE</i> , 2015, 10, e0116935.	2.5	20
3236	The Nucleotide-Free State of the Multidrug Resistance ABC Transporter LmrA: Sulfhydryl Cross-Linking Supports a Constant Contact, Head-to-Tail Configuration of the Nucleotide-Binding Domains. <i>PLoS ONE</i> , 2015, 10, e0131505.	2.5	2
3237	ATP Hydrolysis Induced Conformational Changes in the Vitamin B12 Transporter BtuCD Revealed by MD Simulations. <i>PLoS ONE</i> , 2016, 11, e0166980.	2.5	5
3238	D-helix influences dimerization of the ATP-binding cassette (ABC) transporter associated with antigen processing 1 (TAP1) nucleotide-binding domain. <i>PLoS ONE</i> , 2017, 12, e0178238.	2.5	6
3239	Mapping of a <i>Leishmania major</i> gene/locus that confers pentamidine resistance by deletion and insertion of transposable element. <i>Revista Do Instituto De Medicina Tropical De Sao Paulo</i> , 2004, 46, 109-112.	1.1	6
3240	Effect of different extracts from the Brazilian Atlantic Forest on the Pdr5p ATPase activity. <i>Revista Brasileira De Farmacognosia</i> , 2008, 18, .	1.4	9
3242	Transport functions and physiological significance of 76 kDa Ral-binding GTPase activating protein (RLIP76).. <i>Acta Biochimica Polonica</i> , 2002, 49, 855-867.	0.5	21
3243	Induction of the multixenobiotic/multidrug resistance system in HeLa cells in response to imidazolium ionic liquids.. <i>Acta Biochimica Polonica</i> , 2011, 58, .	0.5	12
3244	A composite polymer nanoparticle overcomes multidrug resistance and ameliorates doxorubicin-associated cardiomyopathy. <i>Oncotarget</i> , 2012, 3, 640-650.	1.8	79
3245	Genetic Susceptibility to Type 1 Diabetes in the Intracellular Pathway of Antigen Processing – A Subject Review and Cross-Study Comparison. <i>Review of Diabetic Studies</i> , 2005, 2, 40-40.	1.3	13
3246	Resistance to anti-tubulin agents: From vinca alkaloids to epothilones. , 2019, 2, 82-106.		13
3247	Accelerated Atherosclerosis in Rheumatoid Arthritis: Mechanisms and Treatment. <i>Current Pharmaceutical Design</i> , 2019, 25, 969-986.	1.9	24

#	ARTICLE	IF	CITATIONS
3248	CFTR and MDR: ABC Transporters with Homologous Structure but Divergent Function. <i>Current Genomics</i> , 2003, 4, 225-235.	1.6	14
3249	Ion Channels as Therapeutic Targets for Type 1 Diabetes Mellitus. <i>Current Drug Targets</i> , 2020, 21, 132-147.	2.1	7
3250	Multidrug Resistance and Efflux Pumps: Insights from Molecular Dynamics Simulations. <i>Current Topics in Medicinal Chemistry</i> , 2013, 13, 3165-3183.	2.1	21
3251	Docking Techniques in Toxicology: An Overview. <i>Current Bioinformatics</i> , 2020, 15, 600-610.	1.5	11
3252	Development of Fourth Generation ABC Inhibitors from Natural Products: A Novel Approach to Overcome Cancer Multidrug Resistance. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2015, 15, 605-615.	1.7	91
3253	Reversal of ABC Drug Transporter-Mediated Multidrug Resistance in Cancer Cells: Evaluation of Current Strategies. <i>Current Molecular Pharmacology</i> , 2008, 1, 93-105.	1.5	229
3254	Extracellular virulence factors of <i>Streptococcus pneumoniae</i> . <i>Frontiers in Bioscience - Landmark</i> , 2004, 9, 891.	3.0	41
3255	Molecular genetics of peroxisomal disorders. <i>Frontiers in Bioscience - Landmark</i> , 2000, 5, d298.	3.0	30
3256	Identification and characterisation of a multidrug resistance-related protein mRNA in the blue mussel <i>Mytilus edulis</i> . <i>Marine Ecology - Progress Series</i> , 2005, 286, 167-175.	1.9	20
3257	Immunological Response as a Source to Variability in Drug Metabolism and Transport. <i>Frontiers in Pharmacology</i> , 2012, 3, 8.	3.5	53
3258	Increased activity of Pgp multidrug transporter in patients with <i>Helicobacter pylori</i> infection. <i>World Journal of Gastroenterology</i> , 2005, 11, 2720.	3.3	9
3259	ATP-binding cassette transporters in progression and clinical outcome of pancreatic cancer: What is the way forward?. <i>World Journal of Gastroenterology</i> , 2018, 24, 3222-3238.	3.3	77
3260	Structure of the cystic fibrosis transmembrane conductance regulator in the inward-facing conformation revealed by single particle electron microscopy. <i>AIMS Biophysics</i> , 2015, 2, 131-152.	0.6	4
3261	Cloning, Purification, Crystallization and Preliminary X-Ray Diffraction Studies of Periplasmic Glucose Binding Protein of <i>Pseudomonas putida</i> ; CSV86. <i>Advances in Bioscience and Biotechnology (Print)</i> , 2015, 06, 164-171.	0.7	2
3262	Hepatic cancer stem cells and drug resistance: Relevance in targeted therapies for hepatocellular carcinoma. <i>World Journal of Hepatology</i> , 2010, 2, 114.	2.0	42
3263	Calcium-related genes associated with intracellular calcification of <i>Emiliania huxleyi</i> (Haptophyta) CCMP 371. <i>Algae</i> , 2018, 33, 181-189.	2.3	6
3264	Overexpression of an oligopeptide transporter gene enhances heat tolerance in transgenic rice. <i>Journal of Plant Biotechnology</i> , 2017, 44, 296-302.	0.4	1
3265	Downregulation of ABCD1 in human renal cell carcinoma. <i>International Journal of Biological Markers</i> , 2009, 24, 171-178.	1.8	8

#	ARTICLE	IF	CITATIONS
3266	Unusual expression of an Arabidopsis ATP-binding cassette transporter ABCC11. Plant Biotechnology, 2009, 26, 261-265.	1.0	2
3267	Multidrug Resistance-Associated Protein 1 Predicts Relapse in Iranian Childhood Acute Lymphoblastic Leukemia. Asian Pacific Journal of Cancer Prevention, 2012, 13, 2285-2289.	1.2	10
3268	Conformational and dynamic plasticity in substrate-binding proteins underlies selective transport in ABC importers. ELife, 2019, 8, .	6.0	93
3271	Molekulare Grundlagen erblicher Netzhautdegenerationen: Retinitis pigmentosa, Zapfen- und Makuladystrophien. , 2000, , 79-113.		0
3272	Molecular Genetics of Bacterial Polyphosphate Accumulation to Better Understand the Mechanism Underlying Biological Phosphorus Removal. , 2001, , 181-196.		0
3273	Genetik. , 2001, , 3-19.		0
3274	Determination of Primary and Secondary Responses to Environmental Stressors and Biota Health. , 2001, , 57-70.		1
3275	Expression of the multidrug resistance P glycoprotein (Pgp) and multidrug resistance associated protein (MRP1) in Down syndrome brains. , 2001, , 35-45.		4
3281	The role of ABCR (ABCA4) in photoreceptor cells and Stargardt macular degeneration. , 2003, , 301-317.		0
3282	Squamous cell and adeno cancer antigens recognized by cytotoxic T lymphocytes. , 2003, , 75-96.		0
3283	Genetics of Proteolysis in Lactococcus lactis. , 2003, , 189-223.		1
3285	Nardilysin. , 2004, , 876-879.		0
3286	The ABC of Canalicular Transport. , 2004, , 21-35.		0
3287	Mirabilysin. , 2004, , 584-586.		0
3288	Adrenoleukodystrophies. , 2004, , 807-839.		1
3289	Cardiac ATP-Sensitive Potassium Channel: A Bi-Functional Channel/Enzyme Multimer. Progress in Experimental Cardiology, 2004, , 167-180.	0.0	0
3290	Drug Transporters. Drugs and the Pharmaceutical Sciences, 2004, , 111-136.	0.1	0
3291	On the problem of multidrug resistance: hypermutability as a mechanism to defense metabolic targets from toxic xenobiotics. Biopolymers and Cell, 2004, 20, 193-206.	0.4	1

#	ARTICLE	IF	CITATIONS
3292	Medical Attributes of St. John's Wort (<i>Hypericum perforatum</i>). , 2004, , 683-703.		4
3293	Molecular Cloning of the Nucleotide Binding Domain of Sulphonylurea Receptor 1, a Component of the ATP-sensitive K-channel. <i>Journal of Medical Sciences (Faisalabad, Pakistan)</i> , 2005, 5, 141-152.	0.0	0
3294	Delivery of Molecular Therapeutics into the CNS and their Distribution within the Brain. , 2006, , 121-131.		0
3296	Multidrug Resistance Exporters. , 2007, , 1-3.		0
3297	ATP-Dependent Multiple Substrate Transporters. , 2007, , 1-3.		0
3298	Assembly and Transport of Class I MHC-Peptide Complexes. <i>Novartis Foundation Symposium</i> , 1994, 187, 150-169.	1.1	7
3299	Protein Transport in the Host Cell Cytoplasm and ATP-Binding Cassette Proteins in <i>Plasmodium falciparum</i> Infected Erythrocytes. <i>Novartis Foundation Symposium</i> , 1999, 226, 231-251.	1.1	4
3300	Pharmacokinetic Characteristics of Levosulpiride in Relation to the Genetic Polymorphism of MDR1: From Knockout Mouse to Human. <i>Journal of Korean Pharmaceutical Sciences</i> , 2007, 37, 297-303.	0.0	0
3301	Protein Multifunctionality: Principles and Mechanisms. <i>Translational Oncogenomics</i> , 0, 1, 99-136.	1.7	5
3302	Biochemical Defects Associated with Genetic Mutations in the Retina-Specific ABC Transporter, ABCR, and Macular Degenerative Diseases. , 2008, , 317-332.		0
3303	Cloning and Sequencing of ABC Transporter ATP-Binding Protein Encoding Gene from <i>Streptomyces minoensis</i> . <i>Biotechnology</i> , 2008, 7, 182-187.	0.1	0
3304	Drug Resistance in <i>Leishmania</i> . , 2009, , 575-587.		0
3305	Impact of the Blood-Brain Barrier on Brain Tumor Imaging and Therapy. , 2009, , 789-811.		0
3306	Fungal Drug Resistance: Azoles. , 2009, , 307-312.		0
3308	Multidrug Resistance in Fungi: The Role of Pleiotropic Drug Resistance Genes. , 2010, , 147-171.		0
3309	Apoptotic Cell Death. , 2011, , 93-101.		3
3310	Chemotherapy-Induced Oxidative Stress in Nontargeted Normal Tissues. , 2012, , 97-129.		1
3311	Genetic Testing for Disorders of Iron Homeostasis. , 2012, , 529-565.		0

#	ARTICLE	IF	CITATIONS
3312	Role of Multidrug Resistance Associated Proteins in Drug Development. , 2012, , 3-35.		2
3313	Molecular Genetic Structure and Pathology of Pancreatic K _{ATP} Channels which are Metabolic Sensors of Insulin Secretion. European Journal of Basic Medical Sciences, 2012, 2, 56-67.	0.3	0
3314	Characterization of the ABC Transporter Gene slr1045 Involved in Acid-stress Tolerance of Synechocystis sp. PCC 6803. Advanced Topics in Science and Technology in China, 2013, , 596-598.	0.1	2
3315	DENTAL TREATMENT OF A 11-YEAR-OLD MALE PATIENT WITH ADRENOLEUKODYSTROPHY UNDER GENERAL ANESTHESIA : A CASE REPORT. The Journal of Korea Association for Disability and Oral Health, 2013, 9, 107-110.	0.2	0
3317	Identification and Characterization of Novel ATP-Binding Cassette Proteins in Saccharomyces Cerevisiae. , 1994, , 263-268.		0
3318	Die Kommunikation der Zelle mit der Außenwelt und dem extrazellulären Kompartiment. Springer-Lehrbuch, 1994, , 350-389.	0.0	0
3319	Cloning of peptide transport genes from eucaryotes. , 1994, , 840-842.		0
3320	Molecular cytogenetics of multiple drug resistance. , 1994, , 63-89.		0
3321	Molecular analysis of the multidrug transporter. , 1994, , 33-62.		6
3322	Protease secretion by Erwinia chrysanthemi and Serratia marcescens. , 1994, , 215-222.		0
3323	Molecular basis of Ph ⁺ leukemia and finding the way to treat them. Biopolymers and Cell, 1994, 10, 78-92.	0.4	3
3324	Oncologic, Endocrine & Metabolic: Patent Update Anticancer antibodies: Patent activity in 1994. Expert Opinion on Therapeutic Patents, 1994, 4, 1477-1482.	5.0	0
3325	The Bacillus subtilis lplA gene is a component of a cluster coding for a putative ABC transporter.. Journal of General and Applied Microbiology, 1995, 41, 523-528.	0.7	0
3326	P-Glycoprotein Serves as a Transporter of Cellular ATP. , 1995, , 189-192.		0
3327	Allosteric Modulation of Nucleoside Transport by Adenosine and ATP. , 1995, , 199-206.		0
3328	Biosynthesis and biological activities of lantibiotics with unique post-translational modifications. , 1995, , 163-189.		0
3329	THE MOLECULAR BASIS OF INHERITED DISORDERS OF THE GASTROINTESTINAL AND HEPATOBILIARY TRACTS. Gastroenterology Clinics of North America, 1995, 24, 45-70.	2.2	0
3330	TAP Peptide Transporters and Antigen Presentation. , 1996, , 35-63.		3

#	ARTICLE	IF	CITATIONS
3331	The Effects of Development of the MDR1 Phenotype on Cell Susceptibility to Undergoing Lipid Peroxidation and Ionizing Radiation.. , 1996, , 65-73.		0
3332	Casein-breakdown by <i>Lactococcus lactis</i> . , 1996, , 303-326.		1
3333	The Molecular Structure and Physiological Function of <i>GS-X</i> Pump Family. <i>Nippon Nogeikagaku Kaishi</i> , 1997, 71, 799-802.	0.0	0
3334	Active Efflux Mechanisms for Cellular Resistance. , 1997, , 323-347.		0
3335	Molecular Mechanisms of Hypoglycemia Associated with Increased Insulin Production. , 1998, , 513-517.		0
3336	Heme exporter family. , 1998, , 252-254.		0
3337	ABC 1 & 2 transporter family. , 1998, , 121-125.		0
3338	Yeast multidrug resistance family. , 1998, , 126-134.		0
3339	Cystic fibrosis transmembrane conductance regulator family. , 1998, , 135-141.		0
3340	Peroxisomal membrane transporter family. , 1998, , 179-184.		0
3341	ABC-2-associated (cytoplasmic) protein family. , 1998, , 194-201.		0
3342	Vault-related resistance to anticancer drugs determined by the expression of the major vault protein LRP. , 1998, , 137-148.		1
3343	Binding protein-dependent monosaccharide transporter family. , 1998, , 222-226.		0
3344	P-Glycoprotein transporter family. , 1998, , 142-178.		0
3345	Amino Acid Sequence Comparisons. , 1998, , 30-33.		1
3346	The <i>abp</i> locus of <i>Streptococcus uberis</i> encodes a protein homologous to polar amino acid and opine binding proteins of Gram-negative bacteria. <i>Canadian Journal of Microbiology</i> , 1998, 44, 784-788.	1.7	2
3347	ABC-associated binding protein-dependent peptide transporter family. , 1998, , 208-213.		0
3348	Macrolide-streptogramin-tylosin resistance family. , 1998, , 255-259.		0

#	ARTICLE	IF	CITATIONS
3349	Molecular analysis of the multidrug transporter, P-glycoprotein. , 1998, , 31-60.		0
3350	Organization of the Data. , 1998, , 34-37.		1
3351	Binding protein-dependent peptide transporter family. , 1998, , 227-249.		0
3352	ABC-associated binding protein-dependent maltose transporter family. , 1998, , 204-207.		0
3353	ABC-associated binding protein-dependent iron transporter family. , 1998, , 214-219.		0
3354	Molekulare Mechanismen der Pathogenit�t von Bakterien. , 1999, , 233-298.		0
3355	Type III Capsular Polysaccharide of Group B Streptococci: Role in Virulence and the Molecular Basis of Capsule Expression. , 0, , 327-339.		2
3356	The Biosynthesis of the Molybdenum Cofactor and Its Incorporation into Molybdoenzymes. , 0, , 260-275.		0
3357	Expression of Multidrug Resistance ATP-Binding Cassette (ABC) Transporters in Canine Mammary Tumors. Advances in Breast Cancer Research, 2015, 04, 77-85.	0.1	1
3358	Neuro-Ophthalmologic Manifestations of Neurodegenerative Disease in Childhood. , 2016, , 597-648.		0
3359	ABCA3. , 2016, , 1-7.		1
3361	Antalya ilinde �rt�lt�± sebze �retim alanlar�nda ticari boyutta kullan�lan biyolojik m�cadele etmenleri. Mediterranean Agricultural Sciences, 2017, 30, 189-195.	0.3	1
3363	ABCA3. , 2018, , 68-74.		0
3364	Involvement of P Glycoprotein from Human R7 Cells Derived from Erythroleukemia in Its Attachment to the Progesterone Binding Site. Journal of Cancer Therapy, 2018, 09, 299-306.	0.4	0
3366	STUDY OF SERUM PROTEIN, ALBUMIN, GLOBULIN AND ALBUMIN/GLOBULIN RATIO IN RELATION WITH HIV PATIENTS. Journal of Evolution of Medical and Dental Sciences, 2018, 7, 4118-4121.	0.1	0
3371	The LAN blood group system: a review. Immunohematology, 2013, 29, 131-135.	0.2	6
3372	The Function of the Peroxisome. , 2019, , 59-104.		1
3374	Adrenal Insufficiency by Adrenoleukodystrophy. Health, 2020, 12, 1-13.	0.3	1

#	ARTICLE	IF	CITATIONS
3375	Cell biological basis of tumor relapse and recurrence – A help from yeast quiescent biology and neuronal quiescent cell biology. International Journal of Molecular and Immuno Oncology, 0, 5, 27-34.	0.0	1
3377	Spectral Clustering Based Fuzzy C-Means Algorithm for Prediction of Membrane Cholesterol from ATP-Binding Cassette Transporters. Smart Innovation, Systems and Technologies, 2021, , 439-448.	0.6	6
3378	Basic Mechanisms of Antibiotic Resistance: Molecular Properties of Multidrug Transporters. McGill Journal of Medicine, 1998, 4, .	0.1	0
3379	Drug therapy in pregnant and nursing women. , 2022, , 425-454.		0
3380	Akarlarda diren�� mekanizmalar��. T��rkiye Entomoloji B��lteni, 0, , 61-75.	0.1	0
3381	Identification of two ABCC transporters involved in malathion detoxification in the red flour beetle, <i>Tribolium castaneum</i> . Insect Science, 2022, 29, 1096-1104.	3.0	7
3382	Transcriptome analysis of <i>Tetranychus cinnabarinus</i> responses to an insecticide exposure. Systematic and Applied Acarology, 2020, 25, 1329-1342.	0.5	4
3384	Molecular characterization of four genes involved in sulfur metabolism in <i>Porphyra purpurea</i> (Roth) C. Agardh. , 2008, , 333-345.		0
3431	A plant plasma membrane ATP binding cassette-type transporter is involved in antifungal terpenoid secretion. Plant Cell, 2001, 13, 1095-107.	6.6	117
3432	An oligopeptide transporter gene family in Arabidopsis. Plant Physiology, 2002, 128, 21-9.	4.8	47
3453	GCN20, a novel ATP binding cassette protein, and GCN1 reside in a complex that mediates activation of the eIF-2 alpha kinase GCN2 in amino acid-starved cells. EMBO Journal, 1995, 14, 3184-99.	7.8	62
3454	Endoplasmic reticulum-to-cytosol transport of free polymannose oligosaccharides in permeabilized HepG2 cells. EMBO Journal, 1995, 14, 6034-42.	7.8	28
3455	Mutations that alter the transmembrane signalling pathway in an ATP binding cassette (ABC) transporter. EMBO Journal, 1994, 13, 1752-9.	7.8	32
3456	The ABC-transporter Ste6 accumulates in the plasma membrane in a ubiquitinated form in endocytosis mutants. EMBO Journal, 1994, 13, 3261-71.	7.8	128
3457	A Salmonella protein that is required for resistance to antimicrobial peptides and transport of potassium. EMBO Journal, 1994, 13, 3964-72.	7.8	63
3458	Protein kinase C-mediated phosphorylation of the human multidrug resistance P-glycoprotein regulates cell volume-activated chloride channels. EMBO Journal, 1995, 14, 68-75.	7.8	55
3459	An ABC transporter in the mitochondrial inner membrane is required for normal growth of yeast. EMBO Journal, 1995, 14, 188-95.	7.8	62
3460	Molecular identification of an ABC transporter complex for manganese: analysis of a cyanobacterial mutant strain impaired in the photosynthetic oxygen evolution process. EMBO Journal, 1995, 14, 1845-53.	7.8	52

#	ARTICLE	IF	CITATIONS
3461	A P-glycoprotein protects <i>Caenorhabditis elegans</i> against natural toxins. <i>EMBO Journal</i> , 1995, 14, 1858-66.	7.8	43
3462	Protein secretion by hybrid bacterial ABC-transporters: specific functions of the membrane ATPase and the membrane fusion protein. <i>EMBO Journal</i> , 1995, 14, 2298-306.	7.8	27
3463	Molecular genetic analysis of a locus required for resistance to antimicrobial peptides in <i>Salmonella typhimurium</i> . <i>EMBO Journal</i> , 1993, 12, 4053-62.	7.8	95
3464	The ATP binding cassette transporter ABC1, is required for the engulfment of corpses generated by apoptotic cell death. <i>EMBO Journal</i> , 1996, 15, 226-35.	7.8	50
3465	Molecular mechanism and species specificity of TAP inhibition by herpes simplex virus ICP47. <i>EMBO Journal</i> , 1996, 15, 3247-55.	7.8	138
3466	Stable binding of the herpes simplex virus ICP47 protein to the peptide binding site of TAP. <i>EMBO Journal</i> , 1996, 15, 3256-66.	7.8	95
3467	The ABC transporter proteins Pat1 and Pat2 are required for import of long-chain fatty acids into peroxisomes of <i>Saccharomyces cerevisiae</i> . <i>EMBO Journal</i> , 1996, 15, 3813-22.	7.8	97
3468	Multidrug resistance in <i>Lactococcus lactis</i> : evidence for ATP-dependent drug extrusion from the inner leaflet of the cytoplasmic membrane. <i>EMBO Journal</i> , 1996, 15, 4239-45.	7.8	58
3469	Protein secretion in gram-negative bacteria: assembly of the three components of ABC protein-mediated exporters is ordered and promoted by substrate binding. <i>EMBO Journal</i> , 1996, 15, 5804-11.	7.8	52
3470	Homologues of the human multidrug resistance genes MRP and MDR contribute to heavy metal resistance in the soil nematode <i>Caenorhabditis elegans</i> . <i>EMBO Journal</i> , 1996, 15, 6132-43.	7.8	65
3474	Determinant of the extracellular location of the N-terminus of human multidrug-resistance-associated protein. <i>Biochemical Journal</i> , 2000, 348 Pt 3, 597-606.	3.7	2
3475	Cloning, characterization and tissue distribution of the rat ATP-binding cassette (ABC) transporter ABC2/ABCA2. <i>Biochemical Journal</i> , 2000, 350 Pt 3, 865-72.	3.7	15
3477	Spectrum of mutations in the gene encoding the adrenoleukodystrophy protein. <i>American Journal of Human Genetics</i> , 1995, 56, 44-50.	6.2	106
3478	Chronic cyclosporin A nephrotoxicity, P-glycoprotein overexpression, and relationships with intrarenal angiotensin II deposits. <i>American Journal of Pathology</i> , 1997, 151, 1705-14.	3.8	28
3479	Tissue distribution of the multidrug resistance protein. <i>American Journal of Pathology</i> , 1996, 148, 1237-47.	3.8	339
3480	Inactivation of the first nucleotide-binding fold of the sulfonylurea receptor, and familial persistent hyperinsulinemic hypoglycemia of infancy. <i>American Journal of Human Genetics</i> , 1996, 59, 510-8.	6.2	61
3481	Mutational and protein analysis of patients and heterozygous women with X-linked adrenoleukodystrophy. <i>American Journal of Human Genetics</i> , 1996, 58, 1135-44.	6.2	83
3482	Cloning of the cDNA for a human homologue of the <i>Drosophila</i> white gene and mapping to chromosome 21q22.3. <i>American Journal of Human Genetics</i> , 1996, 59, 66-75.	6.2	80

#	ARTICLE	IF	CITATIONS
3484	Protein multifunctionality: principles and mechanisms. <i>Translational Oncogenomics</i> , 2008, 3, 99-136.	1.7	4
3487	Application of representational difference analysis to identify genomic differences between <i>Bradyrhizobium elkanii</i> and <i>B. Japonicum</i> species. <i>Brazilian Journal of Microbiology</i> , 2010, 41, 1142-51.	2.0	0
3488	ATP-binding cassette transporters modulate both coelenterazine- and D-luciferin-based bioluminescence imaging. <i>Molecular Imaging</i> , 2011, 10, 215-26.	1.4	10
3489	P-glycoprotein A Gene Expression in Glucantime-Resistant and Sensitive <i>Leishmania major</i> (MRHO/IR/75/ER). <i>Iranian Journal of Parasitology</i> , 2014, 9, 423-8.	0.6	2
3493	Structure of ABCB1/P-Glycoprotein in the Presence of the CFTR Potentiator Ivacaftor. <i>Membranes</i> , 2021, 11, 923.	3.0	12
3494	Identification of resurrection genes from the transcriptome of dehydrated and rehydrated <i>Salvinella selaginella</i> . <i>Plant Signaling and Behavior</i> , 2021, 16, 1973703.	2.4	4
3495	The New Kid on the Block: HLA-C, a Key Regulator of Natural Killer Cells in Viral Immunity. <i>Cells</i> , 2021, 10, 3108.	4.1	6
3496	Structural and thermodynamic insights into a novel Mg ²⁺ -citrate-binding protein from the ABC transporter superfamily. <i>Acta Crystallographica Section D: Structural Biology</i> , 2021, 77, 1516-1534.	2.3	1
3497	Ad-Apoptin-hTERTp-E1a Regulates Autophagy Through the AMPK-mTOR-eIF4F Signaling Axis to Reduce Drug Resistance of MCF-7/ADR Cells. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 763500.	3.5	1
3498	Structural dynamics in the evolution of a bilobed protein scaffold. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	9
3499	Phospholipase A2 group IIA correlates with circulating high-density lipoprotein cholesterol and modulates cholesterol efflux possibly through regulation of PPAR- α /LXR- α /ABCA1 in macrophages. <i>Journal of Translational Medicine</i> , 2021, 19, 484.	4.4	5
3501	Extracellular haem utilization by the opportunistic pathogen <i>Pseudomonas aeruginosa</i> and its role in virulence and pathogenesis. <i>Advances in Microbial Physiology</i> , 2021, 79, 89-132.	2.4	6
3502	Systematic analysis and comparison of ABC proteins superfamily confer structural, functional and evolutionary insights into four cotton species. <i>Industrial Crops and Products</i> , 2022, 177, 114433.	5.2	10
3503	Upregulation of efrAB efflux pump among <i>Enterococcus faecalis</i> ST480, ST847 in Iran. <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2020, 67, 187-192.	0.8	1
3504	Contributions of Conformational Flexibility to High-Affinity Zinc Binding in the Solute Binding Protein AztC. <i>ACS Omega</i> , 2022, 7, 3768-3774.	3.5	2
3505	Proteome Profiling of <i>Mycobacterium tuberculosis</i> Cells Exposed to Nitrosative Stress. <i>ACS Omega</i> , 2022, 7, 3470-3482.	3.5	7
3506	Expression of ABC transporters during syncytialization in preeclampsia. <i>Pregnancy Hypertension</i> , 2022, 27, 181-188.	1.4	0
3507	Drug-dependent inhibition of nucleotide hydrolysis in the heterodimeric ABC multidrug transporter PatAB from <i>Streptococcus pneumoniae</i> . <i>FEBS Journal</i> , 2022, 289, 3770-3788.	4.7	6

#	ARTICLE	IF	CITATIONS
3508	Green tea polyphenols inhibit growth, pathogenicity and metabolomics profiles of <i>Streptococcus suis</i> . <i>Microbial Pathogenesis</i> , 2022, 164, 105421.	2.9	3
3509	Genome-wide TIFY family in <i>Arachis hypogaea</i> in the perspective of legume JAZs. <i>Journal of Crop Science and Biotechnology</i> , 2022, 25, 465-488.	1.5	2
3510	Membrane Efflux Pumps of Pathogenic <i>Vibrio</i> Species: Role in Antimicrobial Resistance and Virulence. <i>Microorganisms</i> , 2022, 10, 382.	3.6	12
3511	Study of Allosteric Transitions of Human P-Glycoprotein by Using the Two-State Anisotropic Network Model. <i>Frontiers in Medicine</i> , 2022, 9, 815355.	2.6	0
3512	Genome-Wide Analysis of the ATP-Binding Cassette (ABC) Transporter Family in <i>Zea mays</i> L. and Its Response to Heavy Metal Stresses. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2109.	4.1	23
3513	Transcriptome analysis revealed growth phase-associated changes of a centenarian-originated probiotic <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> A6. <i>BMC Microbiology</i> , 2022, 22, 61.	3.3	2
3514	<i>Kingella kingae</i> RtxA Cytotoxin in the Context of Other RTX Toxins. <i>Microorganisms</i> , 2022, 10, 518.	3.6	7
3515	Conformational flexibility in the zinc solute-binding protein ZnuA. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2022, 78, 128-134.	0.8	0
3516	Overexpression of Peroxisome-Localized GmABCA7 Promotes Seed Germination in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 2389.	4.1	5
3517	Use of ATP-Binding Cassette Subfamily A Member 13 (ABCA13) for Sensitive Detection of Focal Pathological Forms of Subclinical Bovine Paratuberculosis. <i>Frontiers in Veterinary Science</i> , 2022, 9, 816135.	2.2	6
3518	Understanding paraquat resistance mechanisms in <i>Arabidopsis thaliana</i> to facilitate the development of paraquat-resistant crops. <i>Plant Communications</i> , 2022, 3, 100321.	7.7	15
3520	ABCA7 rs3764650 Polymorphism is Associated with Delayed Neurocognitive Recovery. <i>Pharmacogenomics and Personalized Medicine</i> , 2022, Volume 15, 301-309.	0.7	1
3521	Inhibition of Xenobiotics Transporters' Efflux Ability after Nanoplastics Exposure in Larval Japanese Medaka. <i>Water (Switzerland)</i> , 2022, 14, 863.	2.7	3
3522	The Critical Role of Spreading Depolarizations in Early Brain Injury: Consensus and Contention. <i>Neurocritical Care</i> , 2022, 37, 83-101.	2.4	36
3523	In-Depth Quantitative Proteomics Characterization of In Vitro Selected Miltefosine Resistance in <i>Leishmania infantum</i> . <i>Proteomes</i> , 2022, 10, 10.	3.5	2
3524	Utilizing Quantitative Proteomics to Identify Species-Specific Protein Therapeutic Targets for the Treatment of Leishmaniasis. <i>ACS Omega</i> , 2022, 7, 12580-12588.	3.5	5
3525	Preparation, Crystallization, and X-ray Data Collection of Archaeal Oligopeptide Permease A. <i>Crystallography Reports</i> , 2021, 66, 1300-1305.	0.6	2
3526	Myristic Acid Inhibits the Activity of the Bacterial ABC Transporter BmrA. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13565.	4.1	5

#	ARTICLE	IF	CITATIONS
3527	Structure and function of ABCA4 and its role in the visual cycle and Stargardt macular degeneration. Progress in Retinal and Eye Research, 2022, 89, 101036.	15.5	26
3528	Bacterial effluxome as a barrier against antimicrobial agents: structural biology aspects and drug targeting. Tissue Barriers, 2022, 10, 2013695.	3.2	4
3529	Modeling the stimulation by glutathione of the steady state kinetics of an adenosine triphosphate binding cassette transporter. Protein Science, 2022, 31, 752-757.	7.6	1
3530	Ultrasounds in cancer therapy: A summary of their use and unexplored potential. Oncology Reviews, 2022, 16, 531.	1.8	5
3531	New Insights into Evolution of the ABC Transporter Family in Mesostigma viride, a Unicellular Charophyte Algae. Current Issues in Molecular Biology, 2022, 44, 1646-1660.	2.4	2
3532	Bacillus subtilis plays a role in the inhibition of transporter ABCB1 in Caco-2 cells. Epilepsy Research, 2022, 183, 106925.	1.6	2
3533	Functional analysis of cyantraniliprole tolerance ability mediated by ATP-binding cassette transporters in Aphis gossypii glover. Pesticide Biochemistry and Physiology, 2022, 184, 105104.	3.6	7
3534	Identification and Validation of ATP-Binding Cassette Transporters Involved in the Detoxification of Abamectin in Rice Stem Borer, <i>Chilo suppressalis</i> . Journal of Agricultural and Food Chemistry, 2022, 70, 4611-4619.	5.2	6
3556	Identification of new TAP2 alleles in gorilla: evolution of the locus within hominoids. Immunogenetics, 1996, 44, 161-169.	2.4	0
3557	Changes in neutral amino acid efflux and membrane potential associated with the expression of CFTR protein. Amino Acids, 1996, 11, 247-255.	2.7	2
3559	How is a Zinc Ion Correctly Allocated to a Zinc-dependent Protein?. Advances in Environmental Microbiology, 2022, , 579-660.	0.3	1
3560	Genomic Analysis of Two Representative Strains of Shewanella putrefaciens Isolated from Bigeye Tuna: Biofilm and Spoilage-Associated Behavior. Foods, 2022, 11, 1261.	4.3	8
3561	Structural, mechanistic, and physiological insights into phospholipase A-mediated membrane phospholipid degradation in Pseudomonas aeruginosa. ELife, 2022, 11, .	6.0	13
3562	Functional Diversity of the Lepidopteran ATP-Binding Cassette Transporters. Journal of Molecular Evolution, 2022, 90, 258-270.	1.8	3
3563	Cellular Factors for Resistance against Antiretroviral Agents. Antiviral Therapy, 2000, 5, 181-185.	1.0	26
3564	Comparative genomic analysis of ABC transporter genes in <i>Tenebrio molitor</i> and four other tenebrionid beetles (Coleoptera: Tenebrionidea). Archives of Insect Biochemistry and Physiology, 2022, , e21916.	1.5	0
3566	The human ATP-binding cassette (ABC) transporter superfamily. Human Mutation, 2022, 43, 1162-1182.	2.5	45
3569	Isolation of the high polyamine-producing bacterium <i>Staphylococcus epidermidis</i> ; FB146 from fermented foods and identification of polyamine-related genes. Bioscience of Microbiota, Food and Health, 2023, 42, 24-33.	1.8	1

#	ARTICLE	IF	CITATIONS
3570	Structural analysis of LpqY, a substrate-binding protein from the SugABC transporter of <i>Mycobacterium tuberculosis</i> , provides insights into its trehalose specificity. <i>Acta Crystallographica Section D: Structural Biology</i> , 2022, 78, 835-845.	2.3	3
3571	Pathogenicity and virulence of south African isolates of <i>Venturia inaequalis</i> . <i>European Journal of Plant Pathology</i> , 0, , .	1.7	2
3572	Identification of ABCA5 among ATP-Binding Cassette Transporter Family as a New Biomarker for Colorectal Cancer. <i>Journal of Oncology</i> , 2022, 2022, 1-14.	1.3	3
3573	Transcriptome Analysis of Intracellular Amastigotes of Clinical <i>Leishmania infantum</i> Lines from Therapeutic Failure Patients after Infection of Human Macrophages. <i>Microorganisms</i> , 2022, 10, 1304.	3.6	1
3574	Global distribution of treatment resistance gene markers for leishmaniasis. <i>Journal of Clinical Laboratory Analysis</i> , 2022, 36, .	2.1	18
3575	Genome-Wide Association Study of Nucleotide Variants Associated with Resistance to Nine Antimicrobials in <i>Mycoplasma bovis</i> . <i>Microorganisms</i> , 2022, 10, 1366.	3.6	3
3576	Improvement of macrolactins production by the genetic adaptation of <i>Bacillus siamensis</i> A72 to saline stress via adaptive laboratory evolution. <i>Microbial Cell Factories</i> , 2022, 21, .	4.0	1
3578	Gene Editing of the ABC Transporter/White Locus Using Crispr/Cas9-Mediated Mutagenesis in the Indian Meal Moth. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
3579	Molecular interplay of an assembly machinery for nitrous oxide reductase. <i>Nature</i> , 2022, 608, 626-631.	27.8	14
3580	Differential Expression of Genes between a Tolerant and a Susceptible Maize Line in Response to a Sugarcane Mosaic Virus Infection. <i>Viruses</i> , 2022, 14, 1803.	3.3	1
3581	ATP-Binding Cassette G Transporters and Their Multiple Roles Especially for Male Fertility in Arabidopsis, Rice and Maize. <i>International Journal of Molecular Sciences</i> , 2022, 23, 9304.	4.1	7
3582	<i>Streptococcus suis</i> TrpX is part of a tryptophan uptake system, and its expression is regulated by a T-box regulatory element. <i>Scientific Reports</i> , 2022, 12, .	3.3	1
3583	Novel-miR-310 mediated response mechanism to Cry1Ac protoxin in <i>Plutella xylostella</i> (L.). <i>International Journal of Biological Macromolecules</i> , 2022, 219, 587-596.	7.5	5
3584	The role of bacterial ATP-binding cassette (ABC) transporters in pathogenesis and virulence: Therapeutic and vaccine potential. <i>Microbial Pathogenesis</i> , 2022, 171, 105734.	2.9	34
3585	<i>Streptococcus mutans</i> glutamate binding protein (GlnH) as antigen target for a mucosal anti-carries vaccine. <i>Brazilian Journal of Microbiology</i> , 0, , .	2.0	0
3586	Regulation of Lytic Machineries by the FtsEX Complex in the Bacterial Divisome. <i>Sub-Cellular Biochemistry</i> , 2022, , 285-315.	2.4	5
3587	ATP-Binding Cassette Transporters: Snap-on Complexes?. <i>Sub-Cellular Biochemistry</i> , 2022, , 35-82.	2.4	1
3588	ABCC1 transporter exports the immunostimulatory cyclic dinucleotide cGAMP. <i>Immunity</i> , 2022, 55, 1799-1812.e4.	14.3	39

#	ARTICLE	IF	CITATIONS
3589	Insights into the Use of Eco-Friendly Synergists in Resistance Management of <i>Leptinotarsa decemlineata</i> (Coleoptera: Chrysomelidae). <i>Insects</i> , 2022, 13, 846.	2.2	5
3591	Proteomic Profiling and Stress Response in <i>Pediococcus acidilactici</i> under Acetic Acid. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 12708-12721.	5.2	3
3592	The hemolysin A secretion system is a multi-engine pump containing three ABC transporters. <i>Cell</i> , 2022, 185, 3329-3340.e13.	28.9	5
3593	35-bp deletion in ABCG2 gene: mini-review and report on two herds of Bulgarian dairy synthetic population sheep breed. <i>Biotechnology and Biotechnological Equipment</i> , 2022, 36, 717-723.	1.3	0
3594	Integration of metagenomic and metabolomic insights into the effects of microcystin-LR on intestinal microbiota of <i>Litopenaeus vannamei</i> . <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	7
3595	Transcriptome analysis of the response of <i>Hypomyces chrysospermus</i> to cadmium stress. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	1
3596	Functional Inquiry into ATP-Binding Cassette Transporter Genes Contributing to Spirotetramat Resistance in <i>Aphis gossypii</i> Glover. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 13132-13142.	5.2	5
3597	The lysosomal transporter TAPL has a dual role as peptide translocator and phosphatidylserine floppase. <i>Nature Communications</i> , 2022, 13, .	12.8	5
3598	Co-Transport Mechanism in Plants for Metals and Metalloids. , 2022, , 305-330.		0
3599	The Role of ABC Transporters in Metal Transport in Plants. , 2022, , 55-71.		0
3600	Metallophores: How do human pathogens withdraw metal ions from the colonized host. , 2023, , 553-574.		2
3601	Paclitaxel resistance related to nuclear envelope structural sturdiness. <i>Drug Resistance Updates</i> , 2022, 65, 100881.	14.4	17
3602	The cancer chemotherapeutic 5-fluorouracil is a potent <i>Fusobacterium nucleatum</i> inhibitor and its activity is modified by intratumoral microbiota. <i>Cell Reports</i> , 2022, 41, 111625.	6.4	38
3603	The mir390-ChCEPR2 module confers salt tolerance in cotton and <i>Arabidopsis</i> . <i>Industrial Crops and Products</i> , 2022, 190, 115865.	5.2	0
3604	An ATP-binding cassette transporter G2 (CgABCG2) regulates the haemocyte proliferation by modulating the G1/S phase transition of cell cycle in oyster <i>Crassostrea gigas</i> . <i>Fish and Shellfish Immunology</i> , 2022, , .	3.6	2
3607	Removal performance, biotransformation pathways and products of sulfamethoxazole in vertical subsurface flow constructed wetlands with different substrates. <i>Chemosphere</i> , 2023, 313, 137572.	8.2	7
3608	Gene editing of the ABC Transporter/White locus using CRISPR/Cas9-mediated mutagenesis in the Indian Meal Moth. <i>Journal of Insect Physiology</i> , 2023, 145, 104471.	2.0	4
3610	Role of PatAB Transporter in Efflux of Levofloxacin in <i>Streptococcus pneumoniae</i> . <i>Antibiotics</i> , 2022, 11, 1837.	3.7	3

#	ARTICLE	IF	CITATIONS
3611	NorA, Tet(K), MepA, and MsrA Efflux Pumps in Staphylococcus aureus, their Inhibitors and 1,8-Naphthyridine Sulfonamides. Current Pharmaceutical Design, 2023, 29, 323-355.	1.9	5
3612	Bacteria with a mouth: Discovery and new insights into cell surface structure and macromolecule transport. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2022, 98, 529-552.	3.8	1
3613	<i>mdr1a</i> -Encoded P-Glycoprotein Is Not Required for Peripheral T Cell Proliferation, Cytokine Release, or Cytotoxic Effector Function in Mice. Journal of Immunology, 1999, 163, 2621-2627.	0.8	30
3614	Membrane Topology and Dimerization of the Two Subunits of the Transporter Associated with Antigen Processing Reveal a Three-Domain Structure. Journal of Immunology, 1999, 163, 6679-6685.	0.8	37
3615	Urate oxidase from tea microbe Colletotrichum camelliae is involved in the caffeine metabolism pathway and plays a role in fungal virulence. Frontiers in Nutrition, 0, 9, .	3.7	6
3616	Bitter taste signaling in cancer. Life Sciences, 2023, 315, 121363.	4.3	8
3617	Snapshots of ABCG1 and ABCG5/G8: A Sterol's Journey to Cross the Cellular Membranes. International Journal of Molecular Sciences, 2023, 24, 484.	4.1	8
3618	Structure and Function of the Zinc Binding Protein ZrgA from Vibrio cholerae. International Journal of Molecular Sciences, 2023, 24, 548.	4.1	2
3619	Developmental changes in the extent of drug binding to rat plasma proteins. Scientific Reports, 2023, 13, .	3.3	3
3620	Predicting ATP-Binding Cassette Transporters Using Rough Set and Random Forest Model. Advances in Computer and Electrical Engineering Book Series, 2023, , 161-181.	0.3	0
3621	The Adaptive Evolution in the Fall Armyworm Spodoptera frugiperda (Lepidoptera: Noctuidae) Revealed by the Diversity of Larval Gut Bacteria. Genes, 2023, 14, 321.	2.4	2
3622	Characteristics and Influencing Factors of Microplastics in Snow in the Inner Mongolia Plateau, China. Engineering, 2023, , .	6.7	4
3623	Structural and functional insights into the <i>ATP</i> -binding cassette transporter family in the corn planthopper, <i>Peregrinus maidis</i> . Insect Molecular Biology, 2023, 32, 412-423.	2.0	2
3624	Effects of biodegradable and non-biodegradable microplastics on bacterial community and PAHs natural attenuation in agricultural soils. Journal of Hazardous Materials, 2023, 449, 131001.	12.4	9
3626	Transcriptome analysis reveals adaptation mechanism of Tribolium castaneum (Herbst) (Coleoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2.6	2.6	1
3627	The Switch and Reciprocating Models for the Function of ABC Multidrug Exporters: Perspectives on Recent Research. International Journal of Molecular Sciences, 2023, 24, 2624.	4.1	7
3628	Structure and Mechanism of Human ABC Transporters. Annual Review of Biophysics, 2023, 52, 275-300.	10.0	20
3629	Putative Role of an ABC Efflux System in Aliarcobacter butzleri Resistance and Virulence. Antibiotics, 2023, 12, 339.	3.7	2

#	ARTICLE	IF	CITATIONS
3630	Genome-wide analysis of the ABCB gene family in <i>Vitis vinifera</i> : its expression patterns in berries and its responses to iron and heavy metal stresses. <i>Journal of Horticultural Science and Biotechnology</i> , 0, , 1-17.	1.9	0
3631	Genome-scale analysis of ABC transporter genes and characterization of the ABCC type transporter genes in the oriental armyworm, <i>Mythimna separata</i> (Walker). <i>International Journal of Biological Macromolecules</i> , 2023, 235, 123915.	7.5	2
3632	Unfolding Individual Domains of BmrA, a Bacterial ABC Transporter Involved in Multidrug Resistance. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5239.	4.1	1
3633	ABC transporters linked to multiple herbicide resistance in blackgrass (<i>Alopecurus myosuroides</i>). <i>Frontiers in Plant Science</i> , 0, 14, .	3.6	4
3635	iTRAQ-Based Quantitative Proteomic Analysis of <i>Arthrobacter simplex</i> in Response to Cortisone Acetate and Its Mutants with Improved NAD^+ -Dehydrogenation Efficiency. <i>Journal of Agricultural and Food Chemistry</i> , 2023, 71, 6376-6388.	5.2	2
3636	ABCG2 in Acute Myeloid Leukemia: Old and New Perspectives. <i>International Journal of Molecular Sciences</i> , 2023, 24, 7147.	4.1	5
3637	The isolation, identification, whole-genome sequencing of <i>Clostridium butyricum</i> LV1 and its effects on growth performance, immune response, and disease-resistance of <i>Litopenaeus vannamei</i> . <i>Microbiological Research</i> , 2023, 272, 127384.	5.3	1
3638	Insight into the Basic Mechanisms and Various Modulation Strategies Involved in Cancer Drug Resistance. <i>Current Cancer Drug Targets</i> , 2023, 23, .	1.6	0
3641	Genome-Wide Identification of ATP-Binding Cassette (ABC) Transporter Provides Insight to Genes Related to Anthocyanin Transportation in New Teinturier Grape Germplasm "ZhongShan-HongYu"™. <i>Horticulturae</i> , 2023, 9, 532.	2.8	0
3642	Functional characterization of the phosphotransferase system in <i>Parageobacillus thermoglucosidasius</i> . <i>Scientific Reports</i> , 2023, 13, .	3.3	2
3643	Integration of transcriptomic and metabolomic reveals carbonate alkalinity stress responses in the hepatopancreas of <i>Litopenaeus vannamei</i> . <i>Aquatic Toxicology</i> , 2023, 260, 106569.	4.0	3
3646	Performance and transcriptome analysis of <i>Salmonella enterica</i> serovar Enteritidis PT 30 under persistent desiccation stress: Cultured by lawn and broth methods. <i>Food Microbiology</i> , 2023, 115, 104323.	4.2	2
3649	Identification and functional analysis of <i>ABC</i> transporter genes related to deltamethrin resistance in <i>Culex pipiens pallens</i> . <i>Pest Management Science</i> , 2023, 79, 3642-3655.	3.4	3
3650	First report on the utility of pupal case for early determination of CRISPR/Cas9 ribonucleoprotein mediated genomic edits in the oriental fruit fly, <i>Bactrocera dorsalis</i> (Hendel) (Tephritidae: Tj ETQq1 1 0.784834 rgBT μ Overlock 1		
3651	Role of bacterial efflux pumps in antibiotic resistance, virulence, and strategies to discover novel efflux pump inhibitors. <i>Microbiology (United Kingdom)</i> , 2023, 169, .	1.8	13
3652	The Role of ATP-Binding Cassette Proteins in Stem Cell Pluripotency. <i>Biomedicines</i> , 2023, 11, 1868.	3.2	0
3653	Phenotypic and genetic insights into efflux pump mechanism in <i>Mycoplasma anserisalpingtonis</i> . <i>Frontiers in Microbiology</i> , 0, 14, .	3.5	0
3655	The alleviation mechanisms of cadmium toxicity in <i>Broussonetia papyrifera</i> by arbuscular mycorrhizal symbiosis varied with different levels of cadmium stress. <i>Journal of Hazardous Materials</i> , 2023, 459, 132076.	12.4	5

#	ARTICLE	IF	CITATIONS
3656	Multi-omics analyses reveal metabolic pathways of benzo[a]pyrene biodegradation under sole or mixed carbon sources. <i>International Biodeterioration and Biodegradation</i> , 2023, 184, 105665.	3.9	2
3657	An in-silico analysis predicting the impact of coding single nucleotide polymorphisms (SNPs) in the human multidrug pump ABCG2. , 2023, 38, 201213.		0
3658	Genome-wide identification and characterization of ABC transporter superfamily in the legume <i>Cajanus cajan</i> . <i>Journal of Applied Genetics</i> , 2023, 64, 615-644.	1.9	0
3659	Integration of transcriptomics and metabolomics reveals the effects of sea currents on overwintering of large yellow croaker <i>Larimichthys crocea</i> in cage culture. <i>Aquaculture</i> , 2024, 578, 740054.	3.5	0
3660	Emerging roles of ncRNAs regulating ABCC1 on chemotherapy resistance of cancer – a review. <i>Journal of Chemotherapy</i> , 0, , 1-10.	1.5	0
3661	Cardiolipin Regulates the Activity of the Mitochondrial ABC Transporter ABCB10. <i>Biochemistry</i> , 2023, 62, 3159-3165.	2.5	1
3662	Plasma lipidomic analysis to investigate putative biomarkers of P-glycoprotein activity in healthy volunteers. <i>Clinical and Translational Science</i> , 2023, 16, 1935-1946.	3.1	0
3663	The C2H2 zinc finger transcription factor CF2-II regulates multi-insecticide resistance-related gut-predominant ABC transporters in <i>Aphis gossypii</i> Glover. <i>International Journal of Biological Macromolecules</i> , 2023, 253, 126765.	7.5	0
3664	Characterization and transcriptional expression of ABCG genes in <i>Bactrocera dorsalis</i> : Insights into their roles in fecundity and insecticidal stress response. <i>International Journal of Biological Macromolecules</i> , 2023, 253, 126836.	7.5	1
3666	Novel sterol binding domains in bacteria. <i>ELife</i> , 0, 12, .	6.0	0
3667	Reduced expression of the P-glycoprotein gene HaABCB1 is linked to resistance to <i>Bacillus thuringiensis</i> Cry1Ac toxin but not Cry2Ab toxin in <i>Helicoverpa armigera</i> . <i>International Journal of Biological Macromolecules</i> , 2023, 253, 127668.	7.5	0
3668	Identification of inhibitors targeting the energy-coupling factor (ECF) transporters. <i>Communications Biology</i> , 2023, 6, .	4.4	1
3669	The environmentally-regulated interplay between local three-dimensional chromatin organisation and transcription of proVWX in <i>E. coli</i> . <i>Nature Communications</i> , 2023, 14, .	12.8	1
3670	Cardioprotective Effect against Ischemia/Reperfusion Injury of PAK-200, a Dihydropyridine Analog with an Inhibitory Effect on Cl^- but Not Ca^{2+} Current. <i>Biomolecules</i> , 2023, 13, 1719.	4.0	0
3671	Overexpression of ABCB transporter genes confer multiple insecticide tolerances in <i>Bactrocera dorsalis</i> (Hendel) (Diptera: Tephritidae). <i>Pesticide Biochemistry and Physiology</i> , 2023, 197, 105690.	3.6	1
3672	ABC Transporters 45 Years On. <i>International Journal of Molecular Sciences</i> , 2023, 24, 16789.	4.1	0
3673	Association of ABCG5 and ABCG8 Transporters with Sitosterolemia. <i>Advances in Experimental Medicine and Biology</i> , 2024, , 31-42.	1.6	0
3675	Outcomes Associated With ABCG2 and CD133 Expression in Patients With Gastric Cancer After Surgical Resection. <i>The Korean Journal of Helicobacter and Upper Gastrointestinal Research</i> , 2023, 23, 283-293.	0.4	0

#	ARTICLE	IF	CITATIONS
3676	Strategy for Detecting Systemic Treatment Sensitivity of Primary Liver Cancer Based on a Novel Infrared-emissive Organic Nanoparticle. Chemical Research in Chinese Universities, 0, , .	2.6	0
3677	Assessment of the role of an ABCC transporter TuMRP1 in the toxicity of abamectin to Tetranychus urticae. Pesticide Biochemistry and Physiology, 2023, 195, 105543.	3.6	0
3678	ATP-dependent transporters: emerging players at the crossroads of immunity and metabolism. Frontiers in Immunology, 0, 14, .	4.8	0
3679	Modeled foraminiferal calcification and strontium partitioning in benthic foraminifera helps reconstruct calcifying fluid composition. Communications Earth & Environment, 2024, 5, .	6.8	0
3680	Leishmania Proteomics: Insight into Diagnostics and Vaccine Development. , 2023, , 81-107.		0
3681	Streptococcus pyogenes. , 2024, , 705-753.		0
3682	Knockdown of the ABCG23 Gene Disrupts the Development and Lipid Accumulation of Panonychus citri (Acari/Tetranychidae). International Journal of Molecular Sciences, 2024, 25, 827.	4.1	0
3683	Insights into the complexities of fungusâ€insectâ€plant interaction: The laurel wilt disease. Journal of Phytopathology, 2024, 172, .	1.0	0
3684	Multiple pathways for glucose phosphate transport and utilization support growth of Cryptosporidium parvum. Nature Communications, 2024, 15, .	12.8	1
3685	Multidrug resistance of <i>Botrytis cinerea</i> associated with its adaptation to plant secondary metabolites. MBio, 2024, 15, .	4.1	0
3686	Novel sterol binding domains in bacteria. ELife, 0, 12, .	6.0	0
3687	Structure and ligand binding in the putative anti-microbial peptide transporter protein, YejA. Microbiology (United Kingdom), 2024, 170, .	1.8	0
3688	Involvement of miR-8510a-3p in response to Cry1Ac protoxin by regulating PxABCG3 in Plutella xylostella. International Journal of Biological Macromolecules, 2024, 263, 130271.	7.5	0
3689	Structural View of Cryo-Electron Microscopy-Determined ATP-Binding Cassette Transporters in Human Multidrug Resistance. Biomolecules, 2024, 14, 231.	4.0	0
3690	Magnolol derivatives as specific and noncytotoxic inhibitors of breast cancer resistance protein (BCRP/ABCG2). Bioorganic Chemistry, 2024, 146, 107283.	4.1	0