Stefan Broer

List of Publications by Year
in descending order

172 papers	13,236 citations	20817 60 h-index	25787 108 g-index
183 all docs	183 docs citations	183 times ranked	13592 citing authors

#	Article	IF	Citations
1	Amino Acid Homeostasis in Mammalian Cells with a Focus on Amino Acid Transport. Journal of Nutrition, 2022, 152, 16-28.	2.9	29
2	Amino acid transporters as modulators of glucose homeostasis. Trends in Endocrinology and Metabolism, 2022, 33, 120-135.	7.1	21
3	Amino acid metabolism, transport and signalling in the liver revisited. Biochemical Pharmacology, 2022, 201, 115074.	4.4	32
4	Breakdown in membrane asymmetry regulation leads to monocyte recognition of P. falciparum-infected red blood cells. PLoS Pathogens, 2021, 17, e1009259.	4.7	14
5	A GC-MS/Single-Cell Method to Evaluate Membrane Transporter Substrate Specificity and Signaling. Frontiers in Molecular Biosciences, 2021, 8, 646574.	3.5	19
6	Basal renal phenotype and response to induction of aristolochic acid nephropathy in mice lacking the neutral amino acid transporter B0AT1 (SLC6A19). FASEB Journal, 2021, 35, .	0.5	1
7	Coordinated action of multiple transporters in the acquisition of essential cationic amino acids by the intracellular parasite Toxoplasma gondii. PLoS Pathogens, 2021, 17, e1009835.	4.7	8
8	Quantitative modelling of amino acid transport and homeostasis in mammalian cells. Nature Communications, 2021, 12, 5282.	12.8	42
9	Knockout of the Amino Acid Transporter SLC6A19 and Autoimmune Diabetes Incidence in Female Non-Obese Diabetic (NOD) Mice. Metabolites, 2021, 11, 665.	2.9	6
10	THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: Transporters. British Journal of Pharmacology, 2021, 178, S412-S513.	5.4	114
11	Heteromeric Solute Carriers: Function, Structure, Pathology and Pharmacology. Advances in Experimental Medicine and Biology, 2020, 21, 13-127.	1.6	29
12	Amino Acid Transporters as Targets for Cancer Therapy: Why, Where, When, and How. International Journal of Molecular Sciences, 2020, 21, 6156.	4.1	62
13	Restriction of essential amino acids dictates the systemic metabolic response to dietary protein dilution. Nature Communications, 2020, 11, 2894.	12.8	71
14	Novel Chemical Scaffolds to Inhibit the Neutral Amino Acid Transporter B0AT1 (SLC6A19), a Potential Target to Treat Metabolic Diseases. Frontiers in Pharmacology, 2020, 11, 140.	3.5	25
15	THE CONCISE GUIDE TO PHARMACOLOGY 2019/20: Transporters. British Journal of Pharmacology, 2019, 176, S397-S493.	5.4	166
16	Mice Lacking the Intestinal and Renal Neutral Amino Acid Transporter SLC6A19 Demonstrate the Relationship between Dietary Protein Intake and Amino Acid Malabsorption. Nutrients, 2019, 11, 2024.	4.1	23
17	The tyrosine transporter of Toxoplasma gondii is a member of the newly defined apicomplexan amino acid transporter (ApiAT) family. PLoS Pathogens, 2019, 15, e1007577.	4.7	39
18	Calpain cleaves phospholipid flippase ATP8A1 during apoptosis in platelets. Blood Advances, 2019, 3, 219-229.	5.2	14

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19	Characterization of a Dopamine Transporter and Its Splice Variant Reveals Novel Features of Dopaminergic Regulation in the Honey Bee. Frontiers in Physiology, 2019, 10, 1375.	2.8	5
20	Ablation of the ASCT2 (SLC1A5) gene encoding a neutral amino acid transporter reveals transporter plasticity and redundancy in cancer cells. Journal of Biological Chemistry, 2019, 294, 4012-4026.	3.4	64
21	SLC6 neurotransmitter transporter family (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2019, 2019, .	0.2	1
22	Amino Acid Transporters as Disease Modifiers and Drug Targets. SLAS Discovery, 2018, 23, 303-320.	2.7	41
23	Amino Acid Transport Across the Mammalian Intestine. , 2018, 9, 343-373.		98
24	Development of Biomarkers for Inhibition of SLC6A19 (B0AT1)â€"A Potential Target to Treat Metabolic Disorders. International Journal of Molecular Sciences, 2018, 19, 3597.	4.1	21
25	PKC-Mediated Modulation of Astrocyte SNAT3 Glutamine Transporter Function at Synapses in Situ. International Journal of Molecular Sciences, 2018, 19, 924.	4.1	4
26	Disruption of Amino Acid Homeostasis by Novel ASCT2 Inhibitors Involves Multiple Targets. Frontiers in Pharmacology, 2018, 9, 785.	3.5	91
27	Cationic amino acid transporters play key roles in the survival and transmission of apicomplexan parasites. Nature Communications, 2017, 8, 14455.	12.8	56
28	SNAT3-mediated glutamine transport in perisynaptic astrocytes<i>in situ</i>is regulated by intracellular sodium. Glia, 2017, 65, 900-916.	4.9	38
29	Identification of novel inhibitors of the amino acid transporter B⁰AT1 (SLC6A19), a potential target to induce protein restriction and to treat type 2 diabetes. British Journal of Pharmacology, 2017, 174, 468-482.	5.4	48
30	Amino acid homeostasis and signalling in mammalian cells and organisms. Biochemical Journal, 2017, 474, 1935-1963.	3.7	360
31	THE CONCISE GUIDE TO PHARMACOLOGY 2017/18: Overview. British Journal of Pharmacology, 2017, 174, S1-S16.	5.4	269
32	ASCT2 (SLC1A5)-Deficient Mice Have Normal B-Cell Development, Proliferation, and Antibody Production. Frontiers in Immunology, 2017, 8, 549.	4.8	44
33	Deletion of Amino Acid Transporter ASCT2 (SLC1A5) Reveals an Essential Role for Transporters SNAT1 (SLC38A1) and SNAT2 (SLC38A2) to Sustain Glutaminolysis in Cancer Cells. Journal of Biological Chemistry, 2016, 291, 13194-13205.	3.4	179
34	Brain transporters: From genes and genetic disorders to function and drug discovery. Neurochemistry International, 2016, 98, 1-3.	3.8	0
35	Loss of function mutation of the Slc38a3 glutamine transporter reveals its critical role for amino acid metabolism in the liver, brain, and kidney. Pflugers Archiv European Journal of Physiology, 2016, 468, 213-227.	2.8	42
36	ATP11C Facilitates Phospholipid Translocation across the Plasma Membrane of All Leukocytes. PLoS ONE, 2016, 11, e0146774.	2.5	20

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37	Abstract 1007: The amino acid transporter SNAT4: Potential role as a tumor suppressor in melanoma. , 2016, , .		0
38	The Concise Guide to PHARMACOLOGY 2015/16: Overview. British Journal of Pharmacology, 2015, 172, 5729-5743.	5.4	220
39	<i>Sleeping Beauty</i>Transposon Mutagenesis as a Tool for Gene Discovery in the NOD Mouse Model of Type 1 Diabetes. G3: Genes, Genomes, Genetics, 2015, 5, 2903-2911.	1.8	7
40	Loss of Functional Endothelial Connexin40 Results in Exercise-Induced Hypertension in Mice. Hypertension, 2015, 65, 662-669.	2.7	27
41	Mice lacking neutral amino acid transporter B0AT1 (Slc6a19) have elevated levels of FGF21 and GLP-1 and improved glycaemic control. Molecular Metabolism, 2015, 4, 406-417.	6.5	71
42	Molecular Basis for the Interaction of the Mammalian Amino Acid Transporters B0AT1 and B0AT3 with Their Ancillary Protein Collectrin. Journal of Biological Chemistry, 2015, 290, 24308-24325.	3.4	51
43	Creatine as a booster for human brain function. How might it work?. Neurochemistry International, 2015, 89, 249-259.	3.8	71
44	Mice Deficient in the Putative Phospholipid Flippase ATP11C Exhibit Altered Erythrocyte Shape, Anemia, and Reduced Erythrocyte Life Span*. Journal of Biological Chemistry, 2014, 289, 19531-19537.	3.4	60
45	Expression of Glutamine Transporter Slc38a3 (SNAT3) During Acidosis is Mediated by a Different Mechanism than Tissue-Specific Expression. Cellular Physiology and Biochemistry, 2014, 33, 1591-1606.	1.6	11
46	The SLC38 family of sodiumâ€“amino acid co-transporters. Pflugers Archiv European Journal of Physiology, 2014, 466, 155-172.	2.8	173
47	Amino Acid Transport Defects. , 2014, , 85-99.		2
48	The Concise Guide to PHARMACOLOGY 2013/14: Overview. British Journal of Pharmacology, 2013, 170, 1449-1458.	5.4	153
49	Enterocyte-specific Regulation of the Apical Nutrient Transporter SLC6A19 (B0AT1) by Transcriptional and Epigenetic Networks. Journal of Biological Chemistry, 2013, 288, 33813-33823.	3.4	22
50	Epithelial neutral amino acid transporters. Current Opinion in Nephrology and Hypertension, 2013, 22, 539-544.	2.0	13
51	A Self-defeating Anabolic Program Leads to Î²-Cell Apoptosis in Endoplasmic Reticulum Stress-induced Diabetes via Regulation of Amino Acid Flux. Journal of Biological Chemistry, 2013, 288, 17202-17213.	3.4	105
52	Diseases Associated with General Amino Acid Transporters of the Solute Carrier 6 Family (SLC6). Current Molecular Pharmacology, 2013, 6, 74-87.	1.5	15
53	Anemia, Shortened Erythrocyte Lifespan and Stomatocytosis In a Flippase Mutant Mouse Strain. Blood, 2013, 122, 2183-2183.	1.4	0
54	Up-Regulation of Amino Acid Transporter SLC6A19 Activity and Surface Protein Abundance by PKB/Akt and PIKfyve. Cellular Physiology and Biochemistry, 2012, 30, 1538-1546.	1.6	36

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55	Intestinal peptidases form functional complexes with the neutral amino acid transporter B0AT1. Biochemical Journal, 2012, 446, 135-148.	3.7	61
56	The solute carrier 6 family of transporters. British Journal of Pharmacology, 2012, 167, 256-278.	5.4	192
57	Metabolism, Compartmentation, Transport and Production of Acetate in the Cortical Brain Tissue Slice. Neurochemical Research, 2012, 37, 2541-2553.	3.3	71
58	Significance of Short Chain Fatty Acid Transport by Members of the Monocarboxylate Transporter Family (MCT). Neurochemical Research, 2012, 37, 2562-2568.	3.3	63
59	The role of amino acid transporters in inherited and acquired diseases. Biochemical Journal, 2011, 436, 193-211.	3.7	172
60	The BÂ°AT1 amino acid transporter from rat kidney reconstituted in liposomes: Kinetics and inactivation by methylmercury. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2551-2558.	2.6	15
61	Stimulation of the amino acid transporter SLC6A19 by JAK2. Biochemical and Biophysical Research Communications, 2011, 414, 456-461.	2.1	17
62	ATP11C is critical for the internalization of phosphatidylserine and differentiation of B lymphocytes. Nature Immunology, 2011, 12, 441-449.	14.5	117
63	Impaired Nutrient Signaling and Body Weight Control in a Na+ Neutral Amino Acid Cotransporter (Slc6a19)-deficient Mouse. Journal of Biological Chemistry, 2011, 286, 26638-26651.	3.4	76
64	Targeting tumour cells at the entrance. Biochemical Journal, 2011, 439, e1-e2.	3.7	4
65	Loss-of-function mutations in the glutamate transporter SLC1A1 cause human dicarboxylic aminoaciduria. Journal of Clinical Investigation, 2011, 121, 446-453.	8.2	117
66	Renal imino acid and glycine transport system ontogeny and involvement in developmental iminoglycinuria. Biochemical Journal, 2010, 428, 397-407.	3.7	56
67	Rapid downregulation of the rat glutamine transporter SNAT3 by a caveolin-dependent trafficking mechanism in Xenopus laevis oocytes. American Journal of Physiology - Cell Physiology, 2010, 299, C1047-C1057.	4.6	19
68	Xenopus laevis Oocytes. Methods in Molecular Biology, 2010, 637, 295-310.	0.9	33
69	Mutation of Asparagine 76 in the Center of Glutamine Transporter SNAT3 Modulates Substrate-induced Conductances and Na+ Binding. Journal of Biological Chemistry, 2009, 284, 25823-25831.	3.4	19
70	Purine uptake in Plasmodium: transport versus metabolism. Trends in Parasitology, 2009, 25, 246-249.	3.3	32
71	The role of the neutral amino acid transporter B⁰AT1 (SLC6A19) in Hartnup disorder and protein nutrition. IUBMB Life, 2009, 61, 591-599.	3.4	202
72	Metabolic Effects of Blocking Lactate Transport in Brain Cortical Tissue Slices Using an Inhibitor Specific to MCT1 and MCT2. Neurochemical Research, 2009, 34, 1783-1791.	3.3	19

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73	Sodium translocation by the iminoglycinuria associated imino transporter (SLC6A20). Molecular Membrane Biology, 2009, 26, 333-346.	2.0	21
74	Chloroquine Transport via the Malaria Parasiteâ€™s Chloroquine Resistance Transporter. Science, 2009, 325, 1680-1682.	12.6	256
75	Dicarboxylic Aminoaciduria. , 2009, , 530-532.		0
76	Iminoglycinuria. , 2009, , 1033-1034.		0
77	Further evidence for allelic heterogeneity in Hartnup disorder. Human Mutation, 2008, 29, 1217-1221.	2.5	30
78	MAM 2008 Oral Abstracts. International Journal for Parasitology, 2008, 38, S17-S33.	3.1	2
79	Purine nucleobase transport in the intraerythrocytic malaria parasite. International Journal for Parasitology, 2008, 38, 203-209.	3.1	33
80	Amino Acid Transport Across Mammalian Intestinal and Renal Epithelia. Physiological Reviews, 2008, 88, 249-286.	28.8	787
81	SIT1 is a betaine/proline transporter that is activated in mouse eggs after fertilization and functions until the 2-cell stage. Development (Cambridge), 2008, 135, 4123-4130.	2.5	46
82	A protein complex in the brushâ€border membrane explains a Hartnup disorder allele. FASEB Journal, 2008, 22, 2880-2887.	0.5	193
83	Apical Transporters for Neutral Amino Acids: Physiology and Pathophysiology. Physiology, 2008, 23, 95-103.	3.1	84
84	Iminoglycinuria and hyperglycinuria are discrete human phenotypes resulting from complex mutations in proline and glycine transporters. Journal of Clinical Investigation, 2008, 118, 3881-3892.	8.2	101
85	Heterologous Expression of the Glutamine Transporter SNAT3 in Xenopus Oocytes Is Associated with Four Modes of Uncoupled Transport. Journal of Biological Chemistry, 2007, 282, 3788-3798.	3.4	26
86	Lysinuric protein intolerance: one gene, many problems. American Journal of Physiology - Cell Physiology, 2007, 293, C540-C541.	4.6	30
87	Na+â€"H+ exchanger regulatory factor 1 is a PDZ scaffold for the astroglial glutamate transporter GLAST. Glia, 2007, 55, 119-129.	4.9	41
88	Persistence of the Common Hartnup Disease D173N Allele in Populations of European Origin. Annals of Human Genetics, 2007, 71, 755-761.	0.8	14
89	Alanine metabolism, transport, and cycling in the brain. Journal of Neurochemistry, 2007, 102, 1758-1770.	3.9	48
90	Heme carrier protein 1 (HCP1) expression and functional analysis in the retina and retinal pigment epithelium. Experimental Cell Research, 2007, 313, 1251-1259.	2.6	10

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91	SLC38 Family of Transporters for Neutral Amino Acids. , 2007, , 327-338.		2
92	ALANINE METABOLISM, TRANSPORT AND CYCLING IN THE BRAIN. Journal of Neurochemistry, 2007, , .	3.9	0
93	The SLC6 orphans are forming a family of amino acid transporters. Neurochemistry International, 2006, 48, 559-567.	3.8	97
94	The orphan transporter v7-3 (slc6a15) is a Na+-dependent neutral amino acid transporter (B0AT2). Biochemical Journal, 2006, 393, 421-430.	3.7	129
95	Transport of nucleosides across the Plasmodium falciparum parasite plasma membrane has characteristics of PfENT1. Molecular Microbiology, 2006, 60, 738-748.	2.5	51
96	Sodium-dependent uptake of inorganic phosphate by the intracellular malaria parasite. Nature, 2006, 443, 582-585.	27.8	90
97	The molecular basis of neutral aminoacidurias. Pflugers Archiv European Journal of Physiology, 2006, 451, 511-517.	2.8	54
98	Mechanism and Putative Structure of B0-like Neutral Amino Acid Transporters. Journal of Membrane Biology, 2006, 213, 111-118.	2.1	23
99	Mutation of the 4F2 heavy-chain carboxy terminus causes y+LAT2 light-chain dysfunction. Molecular Membrane Biology, 2006, 23, 255-267.	2.0	7
100	Neutral amino acid transport in epithelial cells and its malfunction in Hartnup disorder. Biochemical Society Transactions, 2005, 33, 233-236.	3.4	41
101	Characterization of mouse amino acid transporter B0AT1 (slc6a19). Biochemical Journal, 2005, 389, 745-751.	3.7	137
102	Molecular cloning of the mouse IMINO system: an Na+- and Clâ’-dependent proline transporter. Biochemical Journal, 2005, 386, 417-422.	3.7	95
103	Lactate transportation is required for lymphocyte activation. Nature Chemical Biology, 2005, 1, 356-357.	8.0	12
104	Preferred Stereoselective Transport of the D-isomer of cis-4-[18F]fluoro-proline at the Bloodâ€“Brain Barrier. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 607-616.	4.3	36
105	Preferred stereoselective brain uptake of d-serine â€” a modulator of glutamatergic neurotransmission. Nuclear Medicine and Biology, 2005, 32, 793-797.	0.6	44
106	Retinal Colocalization and In Vitro Interaction of the Glutamate Receptor EAAT3 and the Serum- and Glucocorticoid-Inducible Kinase SGK1. Investigative Ophthalmology and Visual Science, 2004, 45, 1442-1449.	3.3	52
107	Involvement of OCTN2 and B0,+ in the transport of carnitine through an in vitro model of the blood-brain barrier. Journal of Neurochemistry, 2004, 91, 860-872.	3.9	31
108	Hartnup disorder is caused by mutations in the gene encoding the neutral amino acid transporter SLC6A19. Nature Genetics, 2004, 36, 1003-1007.	21.4	241

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109	Astroglial glutamine transport by system N is upregulated by glutamate. Glia, 2004, 48, 298-310.	4.9	59
110	Stimulation of the EAAT4 glutamate transporter by SGK protein kinase isoforms and PKB. Biochemical and Biophysical Research Communications, 2004, 324, 1242-1248.	2.1	42
111	Molecular Cloning of Mouse Amino Acid Transport System B0, a Neutral Amino Acid Transporter Related to Hartnup Disorder. Journal of Biological Chemistry, 2004, 279, 24467-24476.	3.4	222
112	Facilitated Lactate Transport by MCT1 when Coexpressed with the Sodium Bicarbonate Cotransporter (NBC) in Xenopus Oocytes. Biophysical Journal, 2004, 86, 235-247.	0.5	86
113	Cystinuria-specific rBAT(R365W) mutation reveals two translocation pathways in the amino acid transporter rBAT-b0,+AT. Biochemical Journal, 2004, 377, 665-674.	3.7	47
114	Molecular Mechanisms of Glutamate and Glutamine Transport in Astrocytes. , 2004, , 93-109.		0
115	The serine/threonine kinases SGK2 and SGK3 are potent stimulators of the epithelial Na+ channel Î±,Î²,Î³-ENaC. Pflugers Archiv European Journal of Physiology, 2003, 445, 693-696.	2.8	71
116	Inhibition of glutamine transport depletes glutamate and GABA neurotransmitter pools: further evidence for metabolic compartmentation. Journal of Neurochemistry, 2003, 85, 503-514.	3.9	149
117	Regulation of the glutamate transporter EAAT1 by the ubiquitin ligase Nedd4â€2 and the serum and glucocorticoidâ€inducible kinase isoforms SGK1/3 and protein kinase B. Journal of Neurochemistry, 2003, 86, 1181-1188.	3.9	102
118	Glutamine efflux from astrocytes is mediated by multiple pathways. Journal of Neurochemistry, 2003, 87, 127-135.	3.9	115
119	Regulation of cytosolic pH and lactic acid release in mesangial cells overexpressing GLUT1. Kidney International, 2003, 64, 1338-1347.	5.2	8
120	Properties and regulation of glutamine transporter SN1 by protein kinases SGK and PKB. Biochemical and Biophysical Research Communications, 2003, 306, 156-162.	2.1	74
121	Asymmetry of glutamine transporters in cultured neural cells. Neurochemistry International, 2003, 43, 289-298.	3.8	55
122	Comparison of fluorotyrosines and methionine uptake in F98 rat gliomas. Nuclear Medicine and Biology, 2003, 30, 501-508.	0.6	139
123	Xenopus laevis Oocytes. , 2003, 227, 245-258.		53
124	The loop between helix 4 and helix 5 in the monocarboxylate transporter MCT1 is important for substrate selection and protein stability. Biochemical Journal, 2003, 376, 413-422.	3.7	46
125	Expression of the Serine/Threonine Kinase hSGK1 in Chronic Viral Hepatitis. Cellular Physiology and Biochemistry, 2002, 12, 47-54.	1.6	44
126	Influence of rBAT-Mediated Amino Acid Transport on Cytosolic pH. Nephron, 2002, 91, 631-636.	1.8	1

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127	Transport of cis- and trans-4-[18F]fluoro-L-proline in F98 glioma cells. Nuclear Medicine and Biology, 2002, 29, 685-692.	0.6	25
128	Cerebral localization and regulation of the cell volume-sensitive serum- and glucocorticoid-dependent kinase SGK1. Pflugers Archiv European Journal of Physiology, 2002, 443, 617-624.	2.8	75
129	Adaptation of plasma membrane amino acid transport mechanisms to physiological demands. Pflugers Archiv European Journal of Physiology, 2002, 444, 457-466.	2.8	126
130	The Peptide Transporter PepT2 Mediates the Uptake of the Glutathione Precursor CysGly in Astroglia-Rich Primary Cultures. Journal of Neurochemistry, 2002, 71, 388-393.	3.9	59
131	Regulation of the glutamine transporter SN1 by extracellular pH and intracellular sodium ions. Journal of Physiology, 2002, 539, 3-14.	2.9	111
132	Structure-Function Relationships of Heterodimeric Amino Acid Transporters. Cell Biochemistry and Biophysics, 2002, 36, 155-168.	1.8	48
133	Regulation of the glutamine transporter SN1 by extracellular pH and intracellular sodium ions. , 2002, 539, 3.		1
134	3-[123I]iodo-Î±-methyl-l-tyrosine transport and 4F2 antigen expression in human glioma cells. Nuclear Medicine and Biology, 2001, 28, 5-11.	0.6	12
135	Function and structure of heterodimeric amino acid transporters. American Journal of Physiology - Cell Physiology, 2001, 281, C1077-C1093.	4.6	304
136	Association of 4F2hc with light chains LAT1, LAT2 or y+LAT2 requires different domains. Biochemical Journal, 2001, 355, 725-731.	3.7	43
137	Effect of NaPi-mediated phosphate transport on intracellular pH. Pflugers Archiv European Journal of Physiology, 2001, 441, 802-806.	2.8	8
138	Na+ transport by the neural glutamine transporter ATA1. Pflugers Archiv European Journal of Physiology, 2001, 443, 92-101.	2.8	83
139	Transfer of glutamine between astrocytes and neurons. Journal of Neurochemistry, 2001, 77, 705-719.	3.9	288
140	Serum- and glucocorticoid-dependent kinase, cell volume, and the regulation of epithelial transport. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2001, 130, 367-376.	1.8	20
141	Effects of the Serine/Threonine Kinase SGK1 on the Epithelial Na⁺ Channel (ENaC) and CFTR: Implications for Cystic Fibrosis. Cellular Physiology and Biochemistry, 2001, 11, 209-218.	1.6	109
142	Neutral amino acid transporter ASCT2 displays substrate-induced Na+ exchange and a substrate-gated anion conductance. Biochemical Journal, 2000, 346, 705.	3.7	32
143	The low-affinity monocarboxylate transporter MCT4 is adapted to the export of lactate in highly glycolytic cells. Biochemical Journal, 2000, 350, 219.	3.7	100
144	Neutral amino acid transporter ASCT2 displays substrate-induced Na+ exchange and a substrate-gated anion conductance. Biochemical Journal, 2000, 346, 705-710.	3.7	124

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145	The heterodimeric amino acid transporter 4F2hc/y+LAT2 mediates arginine efflux in exchange with glutamine. Biochemical Journal, 2000, 349, 787-795.	3.7	177
146	Acute Regulation of the Betaine/GABA Transporter BGT-1 Expressed in Xenopus Oocytes by Extracellular pH. Kidney and Blood Pressure Research, 2000, 23, 356-359.	2.0	3
147	The low-affinity monocarboxylate transporter MCT4 is adapted to the export of lactate in highly glycolytic cells. Biochemical Journal, 2000, 350, 219-227.	3.7	491
148	The heterodimeric amino acid transporter 4F2hc/LAT1 is associated in Xenopus oocytes with a nonâ€selective cation channel that is regulated by the serine/threonine kinase sgkâ€1. Journal of Physiology, 2000, 526, 35-46.	2.9	41
149	Isozyme pattern of glycogen phosphorylase in the rat nervous system and rat astroglia-rich primary cultures: electrophoretic and polymerase chain reaction studies. Neurochemical Research, 2000, 25, 1485-1491.	3.3	20
150	Functional and pharmacological characterization of human Na⁺-carnitine cotransporter hOCTN2. American Journal of Physiology - Renal Physiology, 2000, 279, F584-F591.	2.7	95
151	Deranged transcriptional regulation of cell-volume-sensitive kinase hSGK in diabetic nephropathy. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 8157-8162.	7.1	205
152	Swelling-induced taurine release without chloride channel activity in Xenopus laevis oocytes expressing anion channels and transporters. Biochimica Et Biophysica Acta - Biomembranes, 2000, 1467, 91-100.	2.6	48
153	The Use of Xenopus laevis Oocytes for the Functional Characterization of Heterologously Expressed Membrane Proteins. Cellular Physiology and Biochemistry, 2000, 10, 1-12.	1.6	168
154	Functional Characterization of the Betaine/Î³-Aminobutyric Acid Transporter BGT-1 Expressed in Xenopus Oocytes. Journal of Biological Chemistry, 1999, 274, 16709-16716.	3.4	61
155	Helix 8 and Helix 10 Are Involved in Substrate Recognition in the Rat Monocarboxylate Transporter MCT1â€. Biochemistry, 1999, 38, 11577-11584.	2.5	84
156	Characterization of the high-affinity monocarboxylate transporter MCT2 in <i>Xenopus laevis</i> oocytes. Biochemical Journal, 1999, 341, 529-535.	3.7	253
157	Characterization of the high-affinity monocarboxylate transporter MCT2 in Xenopus laevis oocytes. Biochemical Journal, 1999, 341, 529.	3.7	189
158	Chloride Conductance and P i Transport are Separate Functions Induced by the Expression of NaPi-1 in Xenopus Oocytes. Journal of Membrane Biology, 1998, 164, 71-77.	2.1	57
159	Expression of aquaporins in Xenopus laevis oocytes and glial cells as detected by diffusion-weighted 1H NMR spectroscopy and photometric swelling assay. Biochimica Et Biophysica Acta - Molecular Cell Research, 1998, 1448, 27-36.	4.1	21
160	Characterization of the monocarboxylate transporter 1 expressed in Xenopus laevis oocytes by changes in cytosolic pH. Biochemical Journal, 1998, 333, 167-174.	3.7	300
161	Discrimination of two amino acid transport activities in 4F2 heavy chain- expressing Xenopus laevis oocytes. Biochemical Journal, 1998, 333, 549-554.	3.7	30
162	Comparison of Lactate Transport in Astroglial Cells and Monocarboxylate Transporter 1 (MCT 1) Expressing Xenopus laevis Oocytes. Journal of Biological Chemistry, 1997, 272, 30096-30102.	3.4	320

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163	Expression of the surface antigen 4F2hc affects system-L-like neutral-amino-acid-transport activity in mammalian cells. Biochemical Journal, 1997, 324, 535-541.	3.7	43
164	Molecular Identification of Proteins Involved in Transport of Branched-Chain Amino Acids in Glial Cells. , 1997, , 619-623.		0
165	Molecular Identification of Astroglial Neutral Amino Acid Transport Systems. Developmental Neuroscience, 1996, 18, 484-491.	2.0	7
166	Expression of a renal type I sodium/phosphate transporter (NaPi-1) induces a conductance in Xenopus oocytes permeable for organic and inorganic anions.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 5347-5351.	7.1	142
167	Interaction of Serratia marcescens hemolysin (ShlA) with artificial and erythrocyte membranes. Demonstration of the formation of aqueous multistate channels. FEBS Journal, 1994, 223, 655-663.	0.2	30
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