Stefan Broer

List of Publications by Year
in descending order

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172 papers	13,236 citations	23879 60 h-index	29333 108 g-index
183 all docs	183 docs citations	183 times ranked	14838 citing authors

#	Article	IF	Citations
1	Amino Acid Transport Across Mammalian Intestinal and Renal Epithelia. Physiological Reviews, 2008, 88, 249-286.	13.1	787
2	The low-affinity monocarboxylate transporter MCT4 is adapted to the export of lactate in highly glycolytic cells. Biochemical Journal, 2000, 350, 219-227.	1.7	491
3	Amino acid homeostasis and signalling in mammalian cells and organisms. Biochemical Journal, 2017, 474, 1935-1963.	1.7	360
4	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.	1.6	320
5	Function and structure of heterodimeric amino acid transporters. American Journal of Physiology - Cell Physiology, 2001, 281, C1077-C1093.	2.1	304
6	Characterization of the monocarboxylate transporter 1 expressed in Xenopus laevis oocytes by changes in cytosolic pH. Biochemical Journal, 1998, 333, 167-174.	1.7	300
7	Transfer of glutamine between astrocytes and neurons. Journal of Neurochemistry, 2001, 77, 705-719.	2.1	288
8	THE CONCISE GUIDE TO PHARMACOLOGY 2017/18: Overview. British Journal of Pharmacology, 2017, 174, S1-S16.	2.7	269
9	Chloroquine Transport via the Malaria Parasiteâ€™s Chloroquine Resistance Transporter. Science, 2009, 325, 1680-1682.	6.0	256
10	Characterization of the high-affinity monocarboxylate transporter MCT2 in <i>Xenopus laevis</i> oocytes. Biochemical Journal, 1999, 341, 529-535.	1.7	253
11	Hartnup disorder is caused by mutations in the gene encoding the neutral amino acid transporter SLC6A19. Nature Genetics, 2004, 36, 1003-1007.	9.4	241
12	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.	1.6	222
13	The Concise Guide to PHARMACOLOGY 2015/16: Overview. British Journal of Pharmacology, 2015, 172, 5729-5743.	2.7	220
14	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.	3.3	205
15	The role of the neutral amino acid transporter B⁰AT1 (SLC6A19) in Hartnup disorder and protein nutrition. IUBMB Life, 2009, 61, 591-599.	1.5	202
16	A protein complex in the brushâ€border membrane explains a Hartnup disorder allele. FASEB Journal, 2008, 22, 2880-2887.	0.2	193
17	The solute carrier 6 family of transporters. British Journal of Pharmacology, 2012, 167, 256-278.	2.7	192
18	Characterization of the high-affinity monocarboxylate transporter MCT2 in Xenopus laevis oocytes. Biochemical Journal, 1999, 341, 529.	1.7	189

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19	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.	1.6	179
20	The heterodimeric amino acid transporter 4F2hc/y+LAT2 mediates arginine efflux in exchange with glutamine. Biochemical Journal, 2000, 349, 787-795.	1.7	177
21	The SLC38 family of sodiumâ€"amino acid co-transporters. Pflugers Archiv European Journal of Physiology, 2014, 466, 155-172.	1.3	173
22	The role of amino acid transporters in inherited and acquired diseases. Biochemical Journal, 2011, 436, 193-211.	1.7	172
23	The Use of Xenopus laevis Oocytes for the Functional Characterization of Heterologously Expressed Membrane Proteins. Cellular Physiology and Biochemistry, 2000, 10, 1-12.	1.1	168
24	THE CONCISE GUIDE TO PHARMACOLOGY 2019/20: Transporters. British Journal of Pharmacology, 2019, 176, S397-S493.	2.7	166
25	The Concise Guide to PHARMACOLOGY 2013/14: Overview. British Journal of Pharmacology, 2013, 170, 1449-1458.	2.7	153
26	Inhibition of glutamine transport depletes glutamate and GABA neurotransmitter pools: further evidence for metabolic compartmentation. Journal of Neurochemistry, 2003, 85, 503-514.	2.1	149
27	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.	3.3	142
28	Comparison of fluorotyrosines and methionine uptake in F98 rat gliomas. Nuclear Medicine and Biology, 2003, 30, 501-508.	0.3	139
29	Characterization of mouse amino acid transporter B0AT1 (slc6a19). Biochemical Journal, 2005, 389, 745-751.	1.7	137
30	The orphan transporter v7-3 (slc6a15) is a Na+-dependent neutral amino acid transporter (B0AT2). Biochemical Journal, 2006, 393, 421-430.	1.7	129
31	Adaptation of plasma membrane amino acid transport mechanisms to physiological demands. Pflugers Archiv European Journal of Physiology, 2002, 444, 457-466.	1.3	126
32	Neutral amino acid transporter ASCT2 displays substrate-induced Na+ exchange and a substrate-gated anion conductance. Biochemical Journal, 2000, 346, 705-710.	1.7	124
33	ATP11C is critical for the internalization of phosphatidylserine and differentiation of B lymphocytes. Nature Immunology, 2011, 12, 441-449.	7.0	117
34	Loss-of-function mutations in the glutamate transporter SLC1A1 cause human dicarboxylic aminoaciduria. Journal of Clinical Investigation, 2011, 121, 446-453.	3.9	117
35	Glutamine efflux from astrocytes is mediated by multiple pathways. Journal of Neurochemistry, 2003, 87, 127-135.	2.1	115
36	THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: Transporters. British Journal of Pharmacology, 2021, 178, S412-S513.	2.7	114

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37	Regulation of the glutamine transporter SN1 by extracellular pH and intracellular sodium ions. Journal of Physiology, 2002, 539, 3-14.	1.3	111
38	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.	1.1	109
39	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.	1.6	105
40	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.	2.1	102
41	Iminoglycinuria and hyperglycinuria are discrete human phenotypes resulting from complex mutations in proline and glycine transporters. Journal of Clinical Investigation, 2008, 118, 3881-3892.	3.9	101
42	The low-affinity monocarboxylate transporter MCT4 is adapted to the export of lactate in highly glycolytic cells. Biochemical Journal, 2000, 350, 219.	1.7	100
43	Amino Acid Transport Across the Mammalian Intestine. , 2018, 9, 343-373.		98
44	The SLC6 orphans are forming a family of amino acid transporters. Neurochemistry International, 2006, 48, 559-567.	1.9	97
45	Functional and pharmacological characterization of human Na⁺-carnitine cotransporter hOCTN2. American Journal of Physiology - Renal Physiology, 2000, 279, F584-F591.	1.3	95
46	Molecular cloning of the mouse IMINO system: an Na+- and Clâˆ'-dependent proline transporter. Biochemical Journal, 2005, 386, 417-422.	1.7	95
47	Disruption of Amino Acid Homeostasis by Novel ASCT2 Inhibitors Involves Multiple Targets. Frontiers in Pharmacology, 2018, 9, 785.	1.6	91
48	Sodium-dependent uptake of inorganic phosphate by the intracellular malaria parasite. Nature, 2006, 443, 582-585.	13.7	90
49	Facilitated Lactate Transport by MCT1 when Coexpressed with the Sodium Bicarbonate Cotransporter (NBC) in Xenopus Oocytes. Biophysical Journal, 2004, 86, 235-247.	0.2	86
50	Helix 8 and Helix 10 Are Involved in Substrate Recognition in the Rat Monocarboxylate Transporter MCT1â€. Biochemistry, 1999, 38, 11577-11584.	1.2	84
51	Apical Transporters for Neutral Amino Acids: Physiology and Pathophysiology. Physiology, 2008, 23, 95-103.	1.6	84
52	Na+ transport by the neural glutamine transporter ATA1. Pflugers Archiv European Journal of Physiology, 2001, 443, 92-101.	1.3	83
53	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.	1.6	76
54	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.	1.3	75

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55	Properties and regulation of glutamine transporter SN1 by protein kinases SGK and PKB. Biochemical and Biophysical Research Communications, 2003, 306, 156-162.	1.0	74
56	Orphan enzyme or patriarch of a new tribe: the arsenic resistance ATPase of bacterial plasmids. Molecular Microbiology, 1993, 8, 637-642.	1.2	73
57	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.	1.3	71
58	Metabolism, Compartmentation, Transport and Production of Acetate in the Cortical Brain Tissue Slice. Neurochemical Research, 2012, 37, 2541-2553.	1.6	71
59	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.	3.0	71
60	Creatine as a booster for human brain function. How might it work?. Neurochemistry International, 2015, 89, 249-259.	1.9	71
61	Restriction of essential amino acids dictates the systemic metabolic response to dietary protein dilution. Nature Communications, 2020, 11, 2894.	5.8	71
62	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.	1.6	64
63	Significance of Short Chain Fatty Acid Transport by Members of the Monocarboxylate Transporter Family (MCT). Neurochemical Research, 2012, 37, 2562-2568.	1.6	63
64	Amino Acid Transporters as Targets for Cancer Therapy: Why, Where, When, and How. International Journal of Molecular Sciences, 2020, 21, 6156.	1.8	62
65	Functional Characterization of the Betaine/Î³-Aminobutyric Acid Transporter BGT-1 Expressed in Xenopus Oocytes. Journal of Biological Chemistry, 1999, 274, 16709-16716.	1.6	61
66	Intestinal peptidases form functional complexes with the neutral amino acid transporter B0AT1. Biochemical Journal, 2012, 446, 135-148.	1.7	61
67	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.	1.6	60
68	Lysine excretion by Corynebacterium glutamicum. 1. Identification of a specific secretion carrier system. FEBS Journal, 1991, 202, 131-135.	0.2	59
69	The Peptide Transporter PepT2 Mediates the Uptake of the Glutathione Precursor CysGly in Astroglia-Rich Primary Cultures. Journal of Neurochemistry, 2002, 71, 388-393.	2.1	59
70	Astroglial glutamine transport by system N is upregulated by glutamate. Glia, 2004, 48, 298-310.	2.5	59
71	Lysine excretion by Corynebacterium glutamicum. 2. Energetics and mechanism of the transport system. FEBS Journal, 1991, 202, 137-143.	0.2	57
72	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.	1.0	57

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73	Renal imino acid and glycine transport system ontogeny and involvement in developmental iminoglycinuria. Biochemical Journal, 2010, 428, 397-407.	1.7	56
74	Cationic amino acid transporters play key roles in the survival and transmission of apicomplexan parasites. Nature Communications, 2017, 8, 14455.	5.8	56
75	Strains of Corynebacterium glutamicum with Different Lysine Productivities May Have Different Lysine Excretion Systems. Applied and Environmental Microbiology, 1993, 59, 316-321.	1.4	56
76	Asymmetry of glutamine transporters in cultured neural cells. Neurochemistry International, 2003, 43, 289-298.	1.9	55
77	The molecular basis of neutral aminoacidurias. Pflugers Archiv European Journal of Physiology, 2006, 451, 511-517.	1.3	54
78	Xenopus laevis Oocytes. , 2003, 227, 245-258.		53
79	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
80	Transport of nucleosides across the Plasmodium falciparum parasite plasma membrane has characteristics of PfENT1. Molecular Microbiology, 2006, 60, 738-748.	1.2	51
81	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.	1.6	51
82	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.	1.4	48
83	Structure-Function Relationships of Heterodimeric Amino Acid Transporters. Cell Biochemistry and Biophysics, 2002, 36, 155-168.	0.9	48
84	Alanine metabolism, transport, and cycling in the brain. Journal of Neurochemistry, 2007, 102, 1758-1770.	2.1	48
85	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.	2.7	48
86	Cystinuria-specific rBAT(R365W) mutation reveals two translocation pathways in the amino acid transporter rBAT-b0,+AT. Biochemical Journal, 2004, 377, 665-674.	1.7	47
87	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.	1.7	46
88	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.	1.2	46
89	Expression of the Serine/Threonine Kinase hSGK1 in Chronic Viral Hepatitis. Cellular Physiology and Biochemistry, 2002, 12, 47-54.	1.1	44
90	Preferred stereoselective brain uptake of d-serine â€" a modulator of glutamatergic neurotransmission. Nuclear Medicine and Biology, 2005, 32, 793-797.	0.3	44

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91	ASCT2 (SLC1A5)-Deficient Mice Have Normal B-Cell Development, Proliferation, and Antibody Production. Frontiers in Immunology, 2017, 8, 549.	2.2	44
92	Expression of the surface antigen 4F2hc affects system-L-like neutral-amino-acid-transport activity in mammalian cells. Biochemical Journal, 1997, 324, 535-541.	1.7	43
93	Association of 4F2hc with light chains LAT1, LAT2 or y+LAT2 requires different domains. Biochemical Journal, 2001, 355, 725-731.	1.7	43
94	Stimulation of the EAAT4 glutamate transporter by SGK protein kinase isoforms and PKB. Biochemical and Biophysical Research Communications, 2004, 324, 1242-1248.	1.0	42
95	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.	1.3	42
96	Quantitative modelling of amino acid transport and homeostasis in mammalian cells. Nature Communications, 2021, 12, 5282.	5.8	42
97	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.	1.3	41
98	Neutral amino acid transport in epithelial cells and its malfunction in Hartnup disorder. Biochemical Society Transactions, 2005, 33, 233-236.	1.6	41
99	Na+â€"H+ exchanger regulatory factor 1 is a PDZ scaffold for the astroglial glutamate transporter GLAST. Glia, 2007, 55, 119-129.	2.5	41
100	Amino Acid Transporters as Disease Modifiers and Drug Targets. SLAS Discovery, 2018, 23, 303-320.	1.4	41
101	The tyrosine transporter of Toxoplasma gondii is a member of the newly defined apicomplexan amino acid transporter (ApiAT) family. PLoS Pathogens, 2019, 15, e1007577.	2.1	39
102	SNAT3-mediated glutamine transport in perisynaptic astrocytes<i>in situ</i>is regulated by intracellular sodium. Glia, 2017, 65, 900-916.	2.5	38
103	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.	2.4	36
104	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.	1.1	36
105	Expression of Na+-independent isoleucine transport activity from rat brain in Xenopus laevis oocytes. Biochimica Et Biophysica Acta - Biomembranes, 1994, 1192, 95-100.	1.4	34
106	Purine nucleobase transport in the intraerythrocytic malaria parasite. International Journal for Parasitology, 2008, 38, 203-209.	1.3	33
107	Xenopus laevis Oocytes. Methods in Molecular Biology, 2010, 637, 295-310.	0.4	33
108	Neutral amino acid transporter ASCT2 displays substrate-induced Na+ exchange and a substrate-gated anion conductance. Biochemical Journal, 2000, 346, 705.	1.7	32

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109	Purine uptake in Plasmodium: transport versus metabolism. Trends in Parasitology, 2009, 25, 246-249.	1.5	32
110	Amino acid metabolism, transport and signalling in the liver revisited. Biochemical Pharmacology, 2022, 201, 115074.	2.0	32
111	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.	2.1	31
112	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
113	Discrimination of two amino acid transport activities in 4F2 heavy chain- expressing Xenopus laevis oocytes. Biochemical Journal, 1998, 333, 549-554.	1.7	30
114	Lysinuric protein intolerance: one gene, many problems. American Journal of Physiology - Cell Physiology, 2007, 293, C540-C541.	2.1	30
115	Further evidence for allelic heterogeneity in Hartnup disorder. Human Mutation, 2008, 29, 1217-1221.	1.1	30
116	Heteromeric Solute Carriers: Function, Structure, Pathology and Pharmacology. Advances in Experimental Medicine and Biology, 2020, 21, 13-127.	0.8	29
117	Amino Acid Homeostasis in Mammalian Cells with a Focus on Amino Acid Transport. Journal of Nutrition, 2022, 152, 16-28.	1.3	29
118	Loss of Functional Endothelial Connexin40 Results in Exercise-Induced Hypertension in Mice. Hypertension, 2015, 65, 662-669.	1.3	27
119	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.	1.6	26
120	Transport of cis- and trans-4-[18F]fluoro-L-proline in F98 glioma cells. Nuclear Medicine and Biology, 2002, 29, 685-692.	0.3	25
121	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.	1.6	25
122	Mechanism and Putative Structure of B0-like Neutral Amino Acid Transporters. Journal of Membrane Biology, 2006, 213, 111-118.	1.0	23
123	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.	1.7	23
124	Enterocyte-specific Regulation of the Apical Nutrient Transporter SLC6A19 (B0AT1) by Transcriptional and Epigenetic Networks. Journal of Biological Chemistry, 2013, 288, 33813-33823.	1.6	22
125	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.	1.9	21
126	Sodium translocation by the iminoglycinuria associated imino transporter (SLC6A20). Molecular Membrane Biology, 2009, 26, 333-346.	2.0	21

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127	Development of Biomarkers for Inhibition of SLC6A19 (B0AT1)â€”A Potential Target to Treat Metabolic Disorders. International Journal of Molecular Sciences, 2018, 19, 3597.	1.8	21
128	Amino acid transporters as modulators of glucose homeostasis. Trends in Endocrinology and Metabolism, 2022, 33, 120-135.	3.1	21
129	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.	1.6	20
130	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.	0.8	20
131	ATP11C Facilitates Phospholipid Translocation across the Plasma Membrane of All Leukocytes. PLoS ONE, 2016, 11, e0146774.	1.1	20
132	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.	1.6	19
133	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.	1.6	19
134	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.	2.1	19
135	A GC-MS/Single-Cell Method to Evaluate Membrane Transporter Substrate Specificity and Signaling. Frontiers in Molecular Biosciences, 2021, 8, 646574.	1.6	19
136	Stimulation of the amino acid transporter SLC6A19 by JAK2. Biochemical and Biophysical Research Communications, 2011, 414, 456-461.	1.0	17
137	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.	1.4	15
138	Diseases Associated with General Amino Acid Transporters of the Solute Carrier 6 Family (SLC6). Current Molecular Pharmacology, 2013, 6, 74-87.	0.7	15
139	Persistence of the Common Hartnup Disease D173N Allele in Populations of European Origin. Annals of Human Genetics, 2007, 71, 755-761.	0.3	14
140	Calpain cleaves phospholipid flippase ATP8A1 during apoptosis in platelets. Blood Advances, 2019, 3, 219-229.	2.5	14
141	Breakdown in membrane asymmetry regulation leads to monocyte recognition of P. falciparum-infected red blood cells. PLoS Pathogens, 2021, 17, e1009259.	2.1	14
142	Epithelial neutral amino acid transporters. Current Opinion in Nephrology and Hypertension, 2013, 22, 539-544.	1.0	13
143	3-[123I]iodo-Î±-methyl-l-tyrosine transport and 4F2 antigen expression in human glioma cells. Nuclear Medicine and Biology, 2001, 28, 5-11.	0.3	12
144	Lactate transportation is required for lymphocyte activation. Nature Chemical Biology, 2005, 1, 356-357.	3.9	12

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145	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.	1.1	11
146	Heme carrier protein 1 (HCP1) expression and functional analysis in the retina and retinal pigment epithelium. Experimental Cell Research, 2007, 313, 1251-1259.	1.2	10
147	Effect of NaPi-mediated phosphate transport on intracellular pH. Pflugers Archiv European Journal of Physiology, 2001, 441, 802-806.	1.3	8
148	Regulation of cytosolic pH and lactic acid release in mesangial cells overexpressing GLUT1. Kidney International, 2003, 64, 1338-1347.	2.6	8
149	Coordinated action of multiple transporters in the acquisition of essential cationic amino acids by the intracellular parasite Toxoplasma gondii. PLoS Pathogens, 2021, 17, e1009835.	2.1	8
150	Molecular Identification of Astroglial Neutral Amino Acid Transport Systems. Developmental Neuroscience, 1996, 18, 484-491.	1.0	7
151	Mutation of the 4F2 heavy-chain carboxy terminus causes y+LAT2 light-chain dysfunction. Molecular Membrane Biology, 2006, 23, 255-267.	2.0	7
152	<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.	0.8	7
153	Knockout of the Amino Acid Transporter SLC6A19 and Autoimmune Diabetes Incidence in Female Non-Obese Diabetic (NOD) Mice. Metabolites, 2021, 11, 665.	1.3	6
154	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.	1.3	5
155	Targeting tumour cells at the entrance. Biochemical Journal, 2011, 439, e1-e2.	1.7	4
156	PKC-Mediated Modulation of Astrocyte SNAT3 Glutamine Transporter Function at Synapses in Situ. International Journal of Molecular Sciences, 2018, 19, 924.	1.8	4
157	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.	0.9	3
158	MAM 2008 Oral Abstracts. International Journal for Parasitology, 2008, 38, S17-S33.	1.3	2
159	SLC38 Family of Transporters for Neutral Amino Acids. , 2007, , 327-338.		2
160	Amino Acid Transport Defects. , 2014, , 85-99.		2
161	Influence of rBAT-Mediated Amino Acid Transport on Cytosolic pH. Nephron, 2002, 91, 631-636.	0.9	1
162	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, .	0.2	1

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163	Regulation of the glutamine transporter SN1 by extracellular pH and intracellular sodium ions. , 2002, 539, 3.		1
164	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
165	Brain transporters: From genes and genetic disorders to function and drug discovery. Neurochemistry International, 2016, 98, 1-3.	1.9	0
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