

Matthias A Hediger

List of Publications by Year in descending order

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198
papers

31,849
citations

7096

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docs citations

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times ranked

22176
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#	ARTICLE	IF	CITATIONS
1	The Less Well-Known Little Brothers: The SLC9B/NHA Sodium Proton Exchanger Subfamily's Structure, Function, Regulation and Potential Drug-Target Approaches. <i>Frontiers in Physiology</i> , 2022, 13, .	2.8	9
2	Discovery of novel gating checkpoints in the Orai1 calcium channel by systematic analysis of constitutively active mutants of its paralogs and orthologs. <i>Cell Calcium</i> , 2022, 105, 102616.	2.4	2
3	The sodium/proton exchanger NHA2 regulates blood pressure through a WNK4-NCC dependent pathway in the kidney. <i>Kidney International</i> , 2021, 99, 350-363.	5.2	8
4	The N terminus of Orai1 couples to the AKAP79 signaling complex to drive NFAT1 activation by local Ca ²⁺ entry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	35
5	Oncogenic KRAS mutations enhance amino acid uptake by colorectal cancer cells via the hippo signaling effector YAP1. <i>Molecular Oncology</i> , 2021, 15, 2782-2800.	4.6	19
6	SLC66 Lysosomal amino acid transporters in GtoPdb v.2021.2. <i>IUPHAR/BPS Guide To Pharmacology CITE</i> , 2021, 2021, .	0.2	2
7	Electrophysiological characterization of a diverse group of sugar transporters from <i>Trichoderma reesei</i> . <i>Scientific Reports</i> , 2021, 11, 14678.	3.3	10
8	Inhibitors of Human Divalent Metal Transporters DMT1 (SLC11A2) and ZIP8 (SLC39A8) from a GDB's 7 Fragment Library. <i>ChemMedChem</i> , 2021, 16, 3306-3314.	3.2	8
9	Functional characterization of a highly specific l-arabinose transporter from <i>Trichoderma reesei</i> . <i>Microbial Cell Factories</i> , 2021, 20, 177.	4.0	7
10	Orai1 Boosts SK3 Channel Activation. <i>Cancers</i> , 2021, 13, 6357.	3.7	6
11	Natural product inspired optimization of a selective TRPV6 calcium channel inhibitor. <i>RSC Medicinal Chemistry</i> , 2020, 11, 1032-1040.	3.9	21
12	Inactivation-mimicking block of the epithelial calcium channel TRPV6. <i>Science Advances</i> , 2020, 6, .	10.3	22
13	Sequence Features of Mitochondrial Transporter Protein Families. <i>Biomolecules</i> , 2020, 10, 1611.	4.0	21
14	Synthesis and Pharmacological Characterization of 2-Aminoethyl Diphenylborinate (2-APB) Derivatives for Inhibition of Store-Operated Calcium Entry (SOCE) in MDA-MB-231 Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5604.	4.1	23
15	Sodium-coupled glucose transport, the SLC5 family, and therapeutically relevant inhibitors: from molecular discovery to clinical application. <i>Pflugers Archiv European Journal of Physiology</i> , 2020, 472, 1177-1206.	2.8	53
16	Pyrazolyl-pyrimidones inhibit the function of human solute carrier protein SLC11A2 (hDMT1) by metal chelation. <i>RSC Medicinal Chemistry</i> , 2020, 11, 1023-1031.	3.9	5
17	Ca ²⁺ /Calmodulin Binding to STIM1 Hydrophobic Residues Facilitates Slow Ca ²⁺ -Dependent Inactivation of the Orai1 Channel. <i>Cellular Physiology and Biochemistry</i> , 2020, 54, 252-270.	1.6	13
18	Photoswitchable Inhibitor of the Calcium Channel TRPV6. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 1341-1345.	2.8	13

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19	Capsaicin-like analogue induced selective apoptosis in A2058 melanoma cells: Design, synthesis and molecular modeling. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 2893-2904.	3.0	16
20	A novel STIM1-Orai1 gating interface essential for CRAC channel activation. <i>Cell Calcium</i> , 2019, 79, 57-67.	2.4	44
21	Unraveling the structural elements of pH sensitivity and substrate binding in the human zinc transporter SLC39A2 (ZIP2). <i>Journal of Biological Chemistry</i> , 2019, 294, 8046-8063.	3.4	16
22	Recurrent SLC1A2 variants cause epilepsy via a dominant negative mechanism. <i>Annals of Neurology</i> , 2019, 85, 921-926.	5.3	23
23	ORAI1 channel gating and selectivity is differentially altered by natural mutations in the first or third transmembrane domain. <i>Journal of Physiology</i> , 2019, 597, 561-582.	2.9	37
24	Different Pharmacological Properties of GLUT9a and GLUT9b: Potential Implications in Preeclampsia. <i>Cellular Physiology and Biochemistry</i> , 2019, 53, 508-517.	1.6	7
25	Mechanistic basis of the inhibition of SLC11/NRAMP-mediated metal ion transport by bis-isothiourea substituted compounds. <i>ELife</i> , 2019, 8, .	6.0	15
26	Establishment of a novel microscale thermophoresis ligand-binding assay for characterization of SLC solute carriers using oligopeptide transporter PepT1 (SLC15 family) as a model system. <i>Journal of Pharmacological and Toxicological Methods</i> , 2018, 92, 67-76.	0.7	7
27	Amino acid transporters revisited: New views in health and disease. <i>Trends in Biochemical Sciences</i> , 2018, 43, 752-789.	7.5	308
28	Reassessment of the Transport Mechanism of the Human Zinc Transporter SLC39A2. <i>Biochemistry</i> , 2018, 57, 3976-3986.	2.5	22
29	Placental glucose transporter (GLUT)-1 is down-regulated in preeclampsia. <i>Placenta</i> , 2017, 55, 94-99.	1.5	48
30	Cortical cytoskeleton dynamics regulates plasma membrane calcium ATPase isoform-2 (PMCA2) activity. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 1413-1424.	4.1	6
31	A novel proton transfer mechanism in the SLC11 family of divalent metal ion transporters. <i>Scientific Reports</i> , 2017, 7, 6194.	3.3	29
32	TRPV5 and TRPV6 Calcium-Selective Channels. , 2017, , 241-274.		21
33	Concise Asymmetric Synthesis and Pharmacological Characterization of All Stereoisomers of Glutamate Transporter Inhibitor TFB-TBOA and Synthesis of EAAT Photoaffinity Probes. <i>ACS Chemical Neuroscience</i> , 2016, 7, 534-539.	3.5	14
34	Redox modulation of STIM-ORAI signaling. <i>Cell Calcium</i> , 2016, 60, 142-152.	2.4	41
35	Conservation of the oligomeric state of native VDAC1 in detergent micelles. <i>Biochimie</i> , 2016, 127, 163-172.	2.6	3
36	Mutation in the Monocarboxylate Transporter 12 Gene Affects Guanidinoacetate Excretion but Does Not Cause Glucosuria. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 1426-1436.	6.1	21

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37	The Hydroxyl Side Chain of a Highly Conserved Serine Residue Is Required for Cation Selectivity and Substrate Transport in the Glial Glutamate Transporter GLT-1/SLC1A2. <i>Journal of Biological Chemistry</i> , 2015, 290, 30464-30474.	3.4	7
38	Optimization of TRPV6 Calcium Channel Inhibitors Using a 3D Ligand-Based Virtual Screening Method. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14748-14752.	13.8	40
39	A Call for Systematic Research on Solute Carriers. <i>Cell</i> , 2015, 162, 478-487.	28.9	457
40	Discovery and characterization of a novel non-competitive inhibitor of the divalent metal transporter DMT1/SLC11A2. <i>Biochemical Pharmacology</i> , 2015, 96, 216-224.	4.4	24
41	Rapid Method to Express and Purify Human Membrane Protein Using the <i>Xenopus</i> Oocyte System for Functional and Low-Resolution Structural Analysis. <i>Methods in Enzymology</i> , 2015, 556, 241-265.	1.0	7
42	Mutations in <i>SLC1A4</i> , encoding the brain serine transporter, are associated with developmental delay, microcephaly and hypomyelination. <i>Journal of Medical Genetics</i> , 2015, 52, 541-547.	3.2	68
43	Development of the First Fluorescence Screening Assay for the SLC39A2 Zinc Transporter. <i>Journal of Biomolecular Screening</i> , 2014, 19, 909-916.	2.6	10
44	Expression, purification, and projection structure by single particle electron microscopy of functional human TRPM4 heterologously expressed in <i>Xenopus laevis</i> oocytes. <i>Protein Expression and Purification</i> , 2014, 95, 169-176.	1.3	7
45	Nutrient Transport in the Mammary Gland: Calcium, Trace Minerals and Water Soluble Vitamins. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2014, 19, 73-90.	2.7	44
46	Development and Validation of a Fast and Homogeneous Cell-Based Fluorescence Screening Assay for Divalent Metal Transporter 1 (DMT1/SLC11A2) Using the FLIPR Tetra. <i>Journal of Biomolecular Screening</i> , 2014, 19, 900-908.	2.6	11
47	Hypoxic treatment of human dual placental perfusion induces a preeclampsia-like inflammatory response. <i>Laboratory Investigation</i> , 2014, 94, 873-880.	3.7	28
48	Expression, Purification, and Structural Insights for the Human Uric Acid Transporter, GLUT9, Using the <i>Xenopus laevis</i> Oocytes System. <i>PLoS ONE</i> , 2014, 9, e108852.	2.5	34
49	Proton-coupled oligopeptide transporter family SLC15: Physiological, pharmacological and pathological implications. <i>Molecular Aspects of Medicine</i> , 2013, 34, 323-336.	6.4	260
50	Design, synthesis and pharmacological characterization of analogs of 2-aminoethyl diphenylborinate (2-APB), a known store-operated calcium channel blocker, for inhibition of TRPV6-mediated calcium transport. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 3202-3213.	3.0	54
51	Human TRPV5 and TRPV6: Key players in cadmium and zinc toxicity. <i>Cell Calcium</i> , 2013, 54, 276-286.	2.4	43
52	Mammalian iron transporters: Families SLC11 and SLC40. <i>Molecular Aspects of Medicine</i> , 2013, 34, 270-287.	6.4	110
53	The urea transporter family (SLC14): Physiological, pathological and structural aspects. <i>Molecular Aspects of Medicine</i> , 2013, 34, 313-322.	6.4	52
54	The SLC1 high-affinity glutamate and neutral amino acid transporter family. <i>Molecular Aspects of Medicine</i> , 2013, 34, 108-120.	6.4	255

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55	Solute carriers (SLCs) in cancer. <i>Molecular Aspects of Medicine</i> , 2013, 34, 719-734.	6.4	63
56	The ABCs of membrane transporters in health and disease (SLC series): Introduction. <i>Molecular Aspects of Medicine</i> , 2013, 34, 95-107.	6.4	478
57	The sodium-dependent ascorbic acid transporter family SLC23. <i>Molecular Aspects of Medicine</i> , 2013, 34, 436-454.	6.4	125
58	SLC13 family of Na ⁺ -coupled di- and tri-carboxylate/sulfate transporters. <i>Molecular Aspects of Medicine</i> , 2013, 34, 299-312.	6.4	97
59	Zinc transporters in prostate cancer. <i>Molecular Aspects of Medicine</i> , 2013, 34, 735-741.	6.4	79
60	Sodium/hydrogen exchanger NHA2 is critical for insulin secretion in β -cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10004-10009.	7.1	53
61	Investigation of the Inhibitory Effects of the Benzodiazepine Derivative, 5-BDBD on P2X ₄ Purinergic Receptors by two Complementary Methods. <i>Cellular Physiology and Biochemistry</i> , 2013, 32, 11-24.	1.6	57
62	Expression, Purification and Low-Resolution Structure of Human Vitamin C Transporter SVCT1 (SLC23A1). <i>PLoS ONE</i> , 2013, 8, e76427.	2.5	11
63	Functional and Physiological Role of Vitamin C Transporters. <i>Current Topics in Membranes</i> , 2012, 70, 357-375.	0.9	54
64	Inhibition of the human epithelial calcium channel TRPV6 by 2-aminoethoxydiphenyl borate (2-APB). <i>Cell Calcium</i> , 2012, 52, 468-480.	2.4	68
65	Frog Oocytes to Unveil the Structure and Supramolecular Organization of Human Transport Proteins. <i>PLoS ONE</i> , 2011, 6, e21901.	2.5	26
66	Heavy metal cations permeate the TRPV6 epithelial cation channel. <i>Cell Calcium</i> , 2011, 49, 43-55.	2.4	61
67	Chemical Inhibitors of the Calcium Entry Channel TRPV6. <i>Pharmaceutical Research</i> , 2011, 28, 322-330.	3.5	55
68	Synthesis, Maturation, and Trafficking of Human Na ⁺ -Dicarboxylate Cotransporter NaDC1 Requires the Chaperone Activity of Cyclophilin B. <i>Journal of Biological Chemistry</i> , 2011, 286, 11242-11253.	3.4	12
69	Heavy metal cations permeate the TRPV6 epithelial cation channel. <i>FASEB Journal</i> , 2011, 25, 1042.23.	0.5	0
70	Channels and Transporters. <i>Chimia</i> , 2010, 64, 662.	0.6	4
71	Identification of Selective Norbornane-Type Aspartate Analogue Inhibitors of the Glutamate Transporter 1 (GLT-1) from the Chemical Universe Generated Database (GDB). <i>Journal of Medicinal Chemistry</i> , 2010, 53, 7236-7250.	6.4	40
72	Trpv6 mediates intestinal calcium absorption during calcium restriction and contributes to bone homeostasis. <i>Bone</i> , 2010, 47, 301-308.	2.9	94

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73	Tamoxifen Inhibits TRPV6 Activity via Estrogen Receptor-Independent Pathways in TRPV6-Expressing MCF-7 Breast Cancer Cells. <i>Molecular Cancer Research</i> , 2009, 7, 2000-2010.	3.4	60
74	Tamoxifen inhibits TRPV6 activity via estrogen receptor independent pathways in TRPV6 transfected MCF-7 cells. <i>FASEB Journal</i> , 2009, 23, 998-29.	0.5	0
75	Calcium Channel TRPV6 Is Involved in Murine Maternal-Fetal Calcium Transport. <i>Journal of Bone and Mineral Research</i> , 2008, 23, 1249-1256.	2.8	98
76	Characterization of a stem cell population in lung cancer A549 cells. <i>Biochemical and Biophysical Research Communications</i> , 2008, 371, 163-167.	2.1	115
77	Transport model of the human Na ⁺ -coupled ascorbic acid (vitamin C) transporter SVCT1. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 294, C451-C459.	4.6	24
78	Mechanisms and Regulation of Epithelial Ca ²⁺ Absorption in Health and Disease. <i>Annual Review of Physiology</i> , 2008, 70, 257-271.	13.1	100
79	Gain-of-function haplotype in the epithelial calcium channel TRPV6 is a risk factor for renal calcium stone formation. <i>Human Molecular Genetics</i> , 2008, 17, 1613-1618.	2.9	62
80	The role of TRPV6 in breast carcinogenesis. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 271-279.	4.1	179
81	Active Intestinal Calcium Transport in the Absence of Transient Receptor Potential Vanilloid Type 6 and Calbindin-D9k. <i>Endocrinology</i> , 2008, 149, 3196-3205.	2.8	204
82	The Mammalian Transporter Families. , 2008, , 91-146.		5
83	Marked Disturbance of Calcium Homeostasis in Mice With Targeted Disruption of the <i>Trpv6</i> Calcium Channel Gene. <i>Journal of Bone and Mineral Research</i> , 2007, 22, 274-285.	2.8	251
84	Functional properties of multiple isoforms of human divalent metal-ion transporter 1 (DMT1). <i>Biochemical Journal</i> , 2007, 403, 59-69.	3.7	147
85	Vitamin D. <i>Annals of the New York Academy of Sciences</i> , 2007, 1116, 340-348.	3.8	97
86	Mutations in the Tight-Junction Gene Claudin 19 (CLDN19) Are Associated with Renal Magnesium Wasting, Renal Failure, and Severe Ocular Involvement. <i>American Journal of Human Genetics</i> , 2006, 79, 949-957.	6.2	446
87	Distribution of the glutamate transporters GLT-1 (SLC1A2) and GLAST (SLC1A3) in peripheral organs. <i>Anatomy and Embryology</i> , 2006, 211, 595-606.	1.5	57
88	Divalent metal-ion transporter DMT1 mediates both H ⁺ -coupled Fe ²⁺ transport and uncoupled fluxes. <i>Pflügers Archiv European Journal of Physiology</i> , 2006, 451, 544-558.	2.8	125
89	Molecular Physiology of Urate Transport. <i>Physiology</i> , 2005, 20, 125-133.	3.1	261
90	Identification of Mammalian Proline Transporter SIT1 (SLC6A20) with Characteristics of Classical System Imino. <i>Journal of Biological Chemistry</i> , 2005, 280, 8974-8984.	3.4	130

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91	Characterization of a branched-chain amino-acid transporter SBAT1 (SLC6A15) that is expressed in human brain. <i>Biochemical and Biophysical Research Communications</i> , 2005, 337, 892-900.	2.1	73
92	CaT1 knock-down strategies fail to affect CRAC channels in mucosal-type mast cells. <i>Journal of Physiology</i> , 2004, 557, 121-132.	2.9	41
93	Sodium-dependent ascorbic acid transporter family SLC23. <i>Pflugers Archiv European Journal of Physiology</i> , 2004, 447, 677-682.	2.8	130
94	The SLC14 gene family of urea transporters. <i>Pflugers Archiv European Journal of Physiology</i> , 2004, 447, 603-609.	2.8	62
95	SLC11 family of H ⁺ -coupled metal-ion transporters NRAMP1 and DMT1. <i>Pflugers Archiv European Journal of Physiology</i> , 2004, 447, 571-579.	2.8	105
96	The glutamate/neutral amino acid transporter family SLC1: molecular, physiological and pharmacological aspects. <i>Pflugers Archiv European Journal of Physiology</i> , 2004, 447, 469-479.	2.8	358
97	The ABCs of solute carriers: physiological, pathological and therapeutic implications of human membrane transport proteins. <i>Pflugers Archiv European Journal of Physiology</i> , 2004, 447, 465-468.	2.8	817
98	Calcium Transporter 1 and Epithelial Calcium Channel Messenger Ribonucleic Acid Are Differentially Regulated by 1,25 Dihydroxyvitamin D3 in the Intestine and Kidney of Mice. <i>Endocrinology</i> , 2003, 144, 3885-3894.	2.8	218
99	The glutamate and neutral amino acid transporter family: physiological and pharmacological implications. <i>European Journal of Pharmacology</i> , 2003, 479, 237-247.	3.5	174
100	Effect of middle cerebral artery occlusion on mRNA expression for the sodium-coupled vitamin C transporter SVCT2 in rat brain. <i>Journal of Neurochemistry</i> , 2003, 86, 896-906.	3.9	63
101	Functional Properties and Cellular Distribution of the System A Glutamine Transporter SNAT1 Support Specialized Roles in Central Neurons. <i>Journal of Biological Chemistry</i> , 2003, 278, 23720-23730.	3.4	126
102	K ⁺ amino acid transporter KAAT1 mutant Y147F has increased transport activity and altered substrate selectivity. <i>Journal of Experimental Biology</i> , 2003, 206, 245-254.	1.7	17
103	Apical Entry Channels in Calcium-Transporting Epithelia. <i>Physiology</i> , 2003, 18, 158-163.	3.1	31
104	Tissue-engineered neomucosa: morphology, enterocyte dynamics, and SGLT1 expression topography ¹ . <i>Transplantation</i> , 2003, 75, 181-185.	1.0	38
105	Epithelial Ca ²⁺ entry channels: transcellular Ca ²⁺ transport and beyond. <i>Journal of Physiology</i> , 2003, 551, 729-740.	2.9	97
106	The calcium-sensing receptor is required for normal calcium homeostasis independent of parathyroid hormone. <i>Journal of Clinical Investigation</i> , 2003, 111, 1021-1028.	8.2	174
107	A family of calcium-permeable channels in the kidney: distinct roles in renal calcium handling. <i>Current Opinion in Nephrology and Hypertension</i> , 2002, 11, 555-561.	2.0	34
108	Intestinal expression of genes involved in iron absorption in humans. <i>American Journal of Physiology - Renal Physiology</i> , 2002, 282, G598-G607.	3.4	67

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109	Iron transport: emerging roles in health and disease. <i>Biochemistry and Cell Biology</i> , 2002, 80, 679-689.	2.0	58
110	Calcium-Selective Ion Channel, CaT1, Is Apically Localized in Gastrointestinal Tract Epithelia and Is Aberrantly Expressed in Human Malignancies. <i>Laboratory Investigation</i> , 2002, 82, 1755-1764.	3.7	222
111	Gateway to a long life?. <i>Nature</i> , 2002, 417, 393-395.	27.8	47
112	New view at C. <i>Nature Medicine</i> , 2002, 8, 445-446.	30.7	93
113	Iron Transport and Hemochromatosis. <i>Journal of Investigative Medicine</i> , 2002, 50, 239-246.	1.6	6
114	Colonic epithelial hPepT1 expression occurs in inflammatory bowel disease: Transport of bacterial peptides influences expression of MHC class 1 molecules. <i>Gastroenterology</i> , 2001, 120, 1666-1679.	1.3	176
115	Inhibition of CaT1 Channel Activity by a Noncompetitive IP3 Antagonist. <i>Biochemical and Biophysical Research Communications</i> , 2001, 280, 145-150.	2.1	24
116	Polycystin-2 Is a Novel Cation Channel Implicated in Defective Intracellular Ca ²⁺ Homeostasis in Polycystic Kidney Disease. <i>Biochemical and Biophysical Research Communications</i> , 2001, 282, 341-350.	2.1	218
117	CaT1 Expression Correlates with Tumor Grade in Prostate Cancer. <i>Biochemical and Biophysical Research Communications</i> , 2001, 282, 729-734.	2.1	165
118	Transport Function of the Naturally Occurring Pathogenic Polycystin-2 Mutant, R742X. <i>Biochemical and Biophysical Research Communications</i> , 2001, 282, 1251-1256.	2.1	67
119	Structural Conservation of the Genes Encoding CaT1, CaT2, and Related Cation Channels. <i>Genomics</i> , 2001, 76, 99-109.	2.9	92
120	Iron-dependent regulation of the divalent metal ion transporter. <i>FEBS Letters</i> , 2001, 509, 309-316.	2.8	269
121	An Iron-Regulated Ferric Reductase Associated with the Absorption of Dietary Iron. <i>Science</i> , 2001, 291, 1755-1759.	12.6	897
122	Diurnal rhythmicity in intestinal SGLT-1 function, V_{max} , and mRNA expression topography. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 280, G209-G215.	3.4	65
123	Molecular characterization of a novel urea transporter from kidney inner medullary collecting ducts. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 280, F487-F494.	2.7	34
124	Intestinal metal ion absorption: an update. <i>Current Opinion in Gastroenterology</i> , 2001, 17, 177-183.	2.3	24
125	Single-Channel Activities of the Human Epithelial Ca ²⁺ Transport Proteins CaT1 and CaT2. <i>Journal of Membrane Biology</i> , 2001, 184, 113-120.	2.1	24
126	Differential distribution of the glutamate transporters GLT-1 and GLAST in tanycytes of the third ventricle. <i>Journal of Comparative Neurology</i> , 2001, 433, 101-114.	1.6	82

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127	CaT1 manifests the pore properties of the calcium-release-activated calcium channel. <i>Nature</i> , 2001, 410, 705-709.	27.8	336
128	Inhibition of the glutamate transporter EAAC1 expressed in <i>Xenopus</i> oocytes by phorbol esters. <i>Brain Research</i> , 2001, 914, 196-203.	2.2	54
129	Amyotrophic Lateral Sclerosis-linked Glutamate Transporter Mutant Has Impaired Glutamate Clearance Capacity. <i>Journal of Biological Chemistry</i> , 2001, 276, 576-582.	3.4	155
130	The vitamin C transporter SVCT2 is expressed by astrocytes in culture but not in situ. <i>NeuroReport</i> , 2000, 11, 1395-1399.	1.2	43
131	Distribution of the glutamate transporters GLAST and GLT-1 in rat circumventricular organs, meninges, and dorsal root ganglia. , 2000, 421, 385-399.		99
132	Differential recognition of ACE inhibitors in <i>Xenopus laevis</i> oocytes expressing rat PEPT1 and PEPT2. <i>Pharmaceutical Research</i> , 2000, 17, 526-532.	3.5	85
133	Na/HCO ₃ Cotransporters in Rat Brain: Expression in Glia, Neurons, and Choroid Plexus. <i>Journal of Neuroscience</i> , 2000, 20, 6839-6848.	3.6	110
134	Long-term regulation of urea transporter expression by vasopressin in Brattleboro rats. <i>American Journal of Physiology - Renal Physiology</i> , 2000, 278, F620-F627.	2.7	34
135	A Rat Kidney-specific Calcium Transporter in the Distal Nephron. <i>Journal of Biological Chemistry</i> , 2000, 275, 28186-28194.	3.4	137
136	A Novel System A Isoform Mediating Na ⁺ /Neutral Amino Acid Cotransport. <i>Journal of Biological Chemistry</i> , 2000, 275, 22790-22797.	3.4	213
137	Human Vitamin C (L-Ascorbic Acid) Transporter SVCT1. <i>Biochemical and Biophysical Research Communications</i> , 2000, 267, 488-494.	2.1	191
138	Functional Roles of Histidine and Tyrosine Residues in the H ⁺ -Peptide Transporter PepT1. <i>Biochemical and Biophysical Research Communications</i> , 2000, 272, 726-730.	2.1	90
139	Human Calcium Transport Protein CaT1. <i>Biochemical and Biophysical Research Communications</i> , 2000, 278, 326-332.	2.1	190
140	A Novel Duodenal Iron-Regulated Transporter, IREG1, Implicated in the Basolateral Transfer of Iron to the Circulation. <i>Molecular Cell</i> , 2000, 5, 299-309.	9.7	1,294
141	Functional and molecular characterization of the human neutral solute channel aquaporin-9. <i>American Journal of Physiology - Renal Physiology</i> , 1999, 277, F685-F696.	2.7	133
142	Glutamate transporters in kidney and brain. <i>American Journal of Physiology - Renal Physiology</i> , 1999, 277, F487-F492.	2.7	33
143	Stoichiometry and Kinetics of the High-affinity H ⁺ -coupled Peptide Transporter PepT2. <i>Journal of Biological Chemistry</i> , 1999, 274, 2773-2779.	3.4	61
144	Polycystin-L is a calcium-regulated cation channel permeable to calcium ions. <i>Nature</i> , 1999, 401, 383-386.	27.8	200

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145	Yeast SMF1 Mediates H ⁺ -coupled Iron Uptake with Concomitant Uncoupled Cation Currents. <i>Journal of Biological Chemistry</i> , 1999, 274, 35089-35094.	3.4	137
146	A family of mammalian Na ⁺ -dependent L-ascorbic acid transporters. <i>Nature</i> , 1999, 399, 70-75.	27.8	822
147	Metal ion transporters in mammals: structure, function and pathological implications. <i>Journal of Physiology</i> , 1999, 518, 1-12.	2.9	87
148	SOD1 mutants linked to amyotrophic lateral sclerosis selectively inactivate a glial glutamate transporter. <i>Nature Neuroscience</i> , 1999, 2, 427-433.	14.8	282
149	Molecular Cloning and Characterization of a Channel-like Transporter Mediating Intestinal Calcium Absorption. <i>Journal of Biological Chemistry</i> , 1999, 274, 22739-22746.	3.4	546
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