

# Matthias A Hediger

## List of Publications by Citations

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192  
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165  
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207  
ext. papers

29,604  
ext. citations

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6.57  
L-index

#	Paper	IF	Citations
192	Cloning and characterization of a mammalian proton-coupled metal-ion transporter. <i>Nature</i> , <b>1997</b> , 388, 482-8	50.4	2578
191	Cloning and characterization of an extracellular Ca(2+)-sensing receptor from bovine parathyroid. <i>Nature</i> , <b>1993</b> , 366, 575-80	50.4	2224
190	Knockout of glutamate transporters reveals a major role for astroglial transport in excitotoxicity and clearance of glutamate. <i>Neuron</i> , <b>1996</b> , 16, 675-86	13.9	2081
189	Primary structure and functional characterization of a high-affinity glutamate transporter. <i>Nature</i> , <b>1992</b> , 360, 467-71	50.4	1211
188	A novel duodenal iron-regulated transporter, IREG1, implicated in the basolateral transfer of iron to the circulation. <i>Molecular Cell</i> , <b>2000</b> , 5, 299-309	17.6	1157
187	Expression cloning and cDNA sequencing of the Na <sup>+</sup> /glucose co-transporter. <i>Nature</i> , <b>1987</b> , 330, 379-81	50.4	937
186	An iron-regulated ferric reductase associated with the absorption of dietary iron. <i>Science</i> , <b>2001</b> , 291, 1755-9	33.3	772
185	Expression cloning of a mammalian proton-coupled oligopeptide transporter. <i>Nature</i> , <b>1994</b> , 368, 563-6	50.4	741
184	A family of mammalian Na <sup>+</sup> -dependent L-ascorbic acid transporters. <i>Nature</i> , <b>1999</b> , 399, 70-5	50.4	724
183	The ABCs of solute carriers: physiological, pathological and therapeutic implications of human membrane transport proteinsIntroduction. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2004</b> , 447, 465-8	4.6	689
182	Molecular cloning and characterization of a channel-like transporter mediating intestinal calcium absorption. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 22739-46	5.4	483
181	Human intestinal H <sup>+</sup> /peptide cotransporter. Cloning, functional expression, and chromosomal localization. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 6456-63	5.4	405
180	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> , <b>2006</b> , 79, 949-57	11	384
179	Molecular characterization of a broad selectivity neutral solute channel. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 24737-43	5.4	383
178	Expression cloning and characterization of a renal electrogenic Na <sup>+</sup> /HCO <sub>3</sub> <sup>-</sup> cotransporter. <i>Nature</i> , <b>1997</b> , 387, 409-13	50.4	371
177	The ABCs of membrane transporters in health and disease (SLC series): introduction. <i>Molecular Aspects of Medicine</i> , <b>2013</b> , 34, 95-107	16.7	362
176	CaT1 manifests the pore properties of the calcium-release-activated calcium channel. <i>Nature</i> , <b>2001</b> , 410, 705-9	50.4	313

175	A Call for Systematic Research on Solute Carriers. <i>Cell</i> , <b>2015</b> , 162, 478-87	56.2	312
174	The glutamate/neutral amino acid transporter family SLC1: molecular, physiological and pharmacological aspects. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2004</b> , 447, 469-79	4.6	309
173	Cloning and characterization of the vasopressin-regulated urea transporter. <i>Nature</i> , <b>1993</b> , 365, 844-7	50.4	273
172	SOD1 mutants linked to amyotrophic lateral sclerosis selectively inactivate a glial glutamate transporter. <i>Nature Neuroscience</i> , <b>1999</b> , 2, 427-33	25.5	242
171	Iron-dependent regulation of the divalent metal ion transporter. <i>FEBS Letters</i> , <b>2001</b> , 509, 309-16	3.8	237
170	Molecular cloning of PEPT 2, a new member of the H <sup>+</sup> /peptide cotransporter family, from human kidney. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1995</b> , 1235, 461-6	3.8	207
169	Molecular physiology of urate transport. <i>Physiology</i> , <b>2005</b> , 20, 125-33	9.8	206
168	Marked disturbance of calcium homeostasis in mice with targeted disruption of the Trpv6 calcium channel gene. <i>Journal of Bone and Mineral Research</i> , <b>2007</b> , 22, 274-85	6.3	203
167	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> , <b>2001</b> , 282, 341-50	3.4	194
166	Proton-coupled oligopeptide transporter family SLC15: physiological, pharmacological and pathological implications. <i>Molecular Aspects of Medicine</i> , <b>2013</b> , 34, 323-36	16.7	193
165	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> , <b>2003</b> , 144, 3885-94	4.8	193
164	Calcium-selective ion channel, CaT1, is apically localized in gastrointestinal tract epithelia and is aberrantly expressed in human malignancies. <i>Laboratory Investigation</i> , <b>2002</b> , 82, 1755-64	5.9	189
163	A novel system A isoform mediating Na <sup>+</sup> /neutral amino acid cotransport. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 22790-7	5.4	189
162	The SLC1 high-affinity glutamate and neutral amino acid transporter family. <i>Molecular Aspects of Medicine</i> , <b>2013</b> , 34, 108-20	16.7	186
161	Polycystin-L is a calcium-regulated cation channel permeable to calcium ions. <i>Nature</i> , <b>1999</b> , 401, 383-6	50.4	183
160	Active intestinal calcium transport in the absence of transient receptor potential vanilloid type 6 and calbindin-D9k. <i>Endocrinology</i> , <b>2008</b> , 149, 3196-205	4.8	178
159	The elusive transporters with a high affinity for glutamate. <i>Trends in Neurosciences</i> , <b>1993</b> , 16, 365-70	13.3	175
158	Human calcium transport protein CaT1. <i>Biochemical and Biophysical Research Communications</i> , <b>2000</b> , 278, 326-32	3.4	173

157	Human vitamin C (L-ascorbic acid) transporter SVCT1. <i>Biochemical and Biophysical Research Communications</i> , <b>2000</b> , 267, 488-94	3.4	172
156	Colonic epithelial hPepT1 expression occurs in inflammatory bowel disease: transport of bacterial peptides influences expression of MHC class 1 molecules. <i>Gastroenterology</i> , <b>2001</b> , 120, 1666-79	13.3	163
155	Amino acid transporters revisited: New views in health and disease. <i>Trends in Biochemical Sciences</i> , <b>2018</b> , 43, 752-789	10.3	161
154	The glutamate and neutral amino acid transporter family: physiological and pharmacological implications. <i>European Journal of Pharmacology</i> , <b>2003</b> , 479, 237-47	5.3	153
153	Electrogenic properties of the epithelial and neuronal high affinity glutamate transporter. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 16561-8	5.4	152
152	Molecular characteristics of Na(+)-coupled glucose transporters in adult and embryonic rat kidney. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 29365-71	5.4	149
151	Characterization of a Na <sup>+</sup> /glucose cotransporter cloned from rabbit small intestine. <i>Journal of Membrane Biology</i> , <b>1989</b> , 110, 87-95	2.3	147
150	The calcium-sensing receptor is required for normal calcium homeostasis independent of parathyroid hormone. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 111, 1021-8	15.9	147
149	The role of TRPV6 in breast carcinogenesis. <i>Molecular Cancer Therapeutics</i> , <b>2008</b> , 7, 271-9	6.1	145
148	A new family of neurotransmitter transporters: the high-affinity glutamate transporters. <i>FASEB Journal</i> , <b>1993</b> , 7, 1450-9	0.9	143
147	CaT1 expression correlates with tumor grade in prostate cancer. <i>Biochemical and Biophysical Research Communications</i> , <b>2001</b> , 282, 729-34	3.4	141
146	Functional properties of multiple isoforms of human divalent metal-ion transporter 1 (DMT1). <i>Biochemical Journal</i> , <b>2007</b> , 403, 59-69	3.8	135
145	Amyotrophic lateral sclerosis-linked glutamate transporter mutant has impaired glutamate clearance capacity. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 576-82	5.4	131
144	Yeast SMF1 mediates H(+)-coupled iron uptake with concomitant uncoupled cation currents. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 35089-94	5.4	125
143	A rat kidney-specific calcium transporter in the distal nephron. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 28186-94	5.4	122
142	Identification of mammalian proline transporter SIT1 (SLC6A20) with characteristics of classical system imino. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 8974-84	5.4	113
141	Divalent metal-ion transporter DMT1 mediates both H <sup>+</sup> -coupled Fe <sup>2+</sup> transport and uncoupled fluxes. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2006</b> , 451, 544-58	4.6	111
140	Sodium-dependent ascorbic acid transporter family SLC23. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2004</b> , 447, 677-82	4.6	111

139	Cloning and functional expression of rNBC, an electrogenic Na(+)-HCO <sub>3</sub> <sup>-</sup> cotransporter from rat kidney. <i>American Journal of Physiology - Renal Physiology</i> , <b>1998</b> , 274, F425-32	4.3	111
138	Na/HCO <sub>3</sub> cotransporters in rat brain: expression in glia, neurons, and choroid plexus. <i>Journal of Neuroscience</i> , <b>2000</b> , 20, 6839-48	6.6	103
137	Functional properties and cellular distribution of the system A glutamine transporter SNAT1 support specialized roles in central neurons. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 23720-30	5.4	102
136	. <i>Nature</i> , <b>1999</b> , 401, 383-386	50.4	99
135	Neuronal high-affinity glutamate transport in the rat central nervous system. <i>NeuroReport</i> , <b>1995</b> , 6, 2357-62	1.62	97
134	Characterization of a stem cell population in lung cancer A549 cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 371, 163-7	3.4	96
133	SLC11 family of H <sup>+</sup> -coupled metal-ion transporters NRAMP1 and DMT1. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2004</b> , 447, 571-9	4.6	96
132	Functional and molecular characterization of the human neutral solute channel aquaporin-9. <i>American Journal of Physiology - Renal Physiology</i> , <b>1999</b> , 277, F685-96	4.3	92
131	Epithelial Ca <sup>2+</sup> entry channels: transcellular Ca <sup>2+</sup> transport and beyond. <i>Journal of Physiology</i> , <b>2003</b> , 551, 729-40	3.9	90
130	The sodium-dependent ascorbic acid transporter family SLC23. <i>Molecular Aspects of Medicine</i> , <b>2013</b> , 34, 436-54	16.7	89
129	Distribution of the glutamate transporters GLAST and GLT-1 in rat circumventricular organs, meninges, and dorsal root ganglia. <i>Journal of Comparative Neurology</i> , <b>2000</b> , 421, 385-99	3.4	89
128	Characterization of a rat Na <sup>+</sup> -dicarboxylate cotransporter. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 20972-81	5.4	89
127	Vitamin D: molecular mechanism of action. <i>Annals of the New York Academy of Sciences</i> , <b>2007</b> , 1116, 340-5	0.5	87
126	Molecular and functional analysis of SDCT2, a novel rat sodium-dependent dicarboxylate transporter. <i>Journal of Clinical Investigation</i> , <b>1999</b> , 103, 1159-68	15.9	86
125	The amino acid transport system y <sup>+</sup> L/4F2hc is a heteromultimeric complex. <i>FASEB Journal</i> , <b>1998</b> , 12, 1319-29	0.9	84
124	Calcium channel TRPV6 is involved in murine maternal-fetal calcium transport. <i>Journal of Bone and Mineral Research</i> , <b>2008</b> , 23, 1249-56	6.3	83
123	Structural conservation of the genes encoding CaT1, CaT2, and related cation channels. <i>Genomics</i> , <b>2001</b> , 76, 99-109	4.3	83
122	Functional roles of histidine and tyrosine residues in the H <sup>(+)</sup> -peptide transporter PepT1. <i>Biochemical and Biophysical Research Communications</i> , <b>2000</b> , 272, 726-30	3.4	81

121	Trpv6 mediates intestinal calcium absorption during calcium restriction and contributes to bone homeostasis. <i>Bone</i> , <b>2010</b> , 47, 301-8	4.7	79
120	Differential recognition of ACE inhibitors in <i>Xenopus laevis</i> oocytes expressing rat PEPT1 and PEPT2. <i>Pharmaceutical Research</i> , <b>2000</b> , 17, 526-32	4.5	78
119	Mechanisms and regulation of epithelial Ca <sup>2+</sup> absorption in health and disease. <i>Annual Review of Physiology</i> , <b>2008</b> , 70, 257-71	23.1	77
118	Differential distribution of the glutamate transporters GLT-1 and GLAST in tanycytes of the third ventricle. <i>Journal of Comparative Neurology</i> , <b>2001</b> , 433, 101-14	3.4	77
117	SLC13 family of Na <sup>+</sup> -coupled di- and tri-carboxylate/sulfate transporters. <i>Molecular Aspects of Medicine</i> , <b>2013</b> , 34, 299-312	16.7	73
116	Mammalian iron transporters: families SLC11 and SLC40. <i>Molecular Aspects of Medicine</i> , <b>2013</b> , 34, 270-87	16.7	72
115	Metal ion transporters in mammals: structure, function and pathological implications. <i>Journal of Physiology</i> , <b>1999</b> , 518, 1-12	3.9	71
114	Tubular localization and tissue distribution of peptide transporters in rat kidney. <i>Pharmaceutical Research</i> , <b>1998</b> , 15, 1244-9	4.5	70
113	SOD1 mutants linked to amyotrophic lateral sclerosis selectively inactivate a glial glutamate transporter. <i>Nature Neuroscience</i> , <b>1999</b> , 2, 848	25.5	70
112	Localization of sodium bicarbonate cotransporter (NBC) protein and messenger ribonucleic acid in rat epididymis. <i>Biology of Reproduction</i> , <b>1999</b> , 60, 573-9	3.9	66
111	Intestinal expression of genes involved in iron absorption in humans. <i>American Journal of Physiology - Renal Physiology</i> , <b>2002</b> , 282, G598-607	5.1	65
110	Molecular genetics of cystinuria: mutation analysis of SLC3A1 and evidence for another gene in type I (silent) phenotype. <i>Kidney International</i> , <b>1998</b> , 54, 48-55	9.9	63
109	Characterization of a branched-chain amino-acid transporter SBAT1 (SLC6A15) that is expressed in human brain. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 337, 892-900	3.4	63
108	Transport function of the naturally occurring pathogenic polycystin-2 mutant, R742X. <i>Biochemical and Biophysical Research Communications</i> , <b>2001</b> , 282, 1251-6	3.4	62
107	Expression cloning using <i>Xenopus laevis</i> oocytes. <i>Methods in Enzymology</i> , <b>1998</b> , 296, 17-52	1.7	62
106	Zinc transporters in prostate cancer. <i>Molecular Aspects of Medicine</i> , <b>2013</b> , 34, 735-41	16.7	61
105	The SLC14 gene family of urea transporters. <i>Pflügers Archiv European Journal of Physiology</i> , <b>2004</b> , 447, 603-9	4.6	58
104	Diurnal rhythmicity in intestinal SGLT-1 function, V(max), and mRNA expression topography. <i>American Journal of Physiology - Renal Physiology</i> , <b>2001</b> , 280, G209-15	5.1	58

103	Symmetry of H <sup>+</sup> binding to the intra- and extracellular side of the H <sup>+</sup> -coupled oligopeptide cotransporter PepT1. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 7777-85	5.4	56
102	Gain-of-function haplotype in the epithelial calcium channel TRPV6 is a risk factor for renal calcium stone formation. <i>Human Molecular Genetics</i> , <b>2008</b> , 17, 1613-8	5.6	55
101	Localization of the Na <sup>+</sup> /glucose cotransporter gene SGLT2 to human chromosome 16 close to the centromere. <i>Genomics</i> , <b>1993</b> , 17, 787-9	4.3	54
100	Inhibition of the human epithelial calcium channel TRPV6 by 2-aminoethoxydiphenyl borate (2-APB). <i>Cell Calcium</i> , <b>2012</b> , 52, 468-80	4	53
99	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> , <b>2003</b> , 86, 896-906	6	53
98	Iron transport: emerging roles in health and disease. <i>Biochemistry and Cell Biology</i> , <b>2002</b> , 80, 679-89	3.6	52
97	Assignment of the human intestinal Na <sup>+</sup> /glucose cotransporter gene (SGLT1) to the q11.2----qter region of chromosome 22. <i>Genomics</i> , <b>1989</b> , 4, 297-300	4.3	52
96	Heavy metal cations permeate the TRPV6 epithelial cation channel. <i>Cell Calcium</i> , <b>2011</b> , 49, 43-55	4	51
95	Inhibition of the glutamate transporter EAAC1 expressed in <i>Xenopus</i> oocytes by phorbol esters. <i>Brain Research</i> , <b>2001</b> , 914, 196-203	3.7	50
94	Stoichiometry and kinetics of the high-affinity H <sup>+</sup> -coupled peptide transporter PepT2. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 2773-9	5.4	50
93	Biosynthesis of the cloned intestinal Na <sup>+</sup> /glucose cotransporter. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1991</b> , 1064, 360-4	3.8	50
92	Solute carriers (SLCs) in cancer. <i>Molecular Aspects of Medicine</i> , <b>2013</b> , 34, 719-34	16.7	48
91	Functional and physiological role of vitamin C transporters. <i>Current Topics in Membranes</i> , <b>2012</b> , 70, 357-752		45
90	Tamoxifen inhibits TRPV6 activity via estrogen receptor-independent pathways in TRPV6-expressing MCF-7 breast cancer cells. <i>Molecular Cancer Research</i> , <b>2009</b> , 7, 2000-10	6.6	45
89	Structure, regulation and physiological roles of urea transporters. <i>Kidney International</i> , <b>1996</b> , 49, 1615-23	3.9	45
88	Distribution of the glutamate transporters GLT-1 (SLC1A2) and GLAST (SLC1A3) in peripheral organs. <i>Anatomy and Embryology</i> , <b>2006</b> , 211, 595-606		44
87	Mutations in SLC1A4, encoding the brain serine transporter, are associated with developmental delay, microcephaly and hypomyelination. <i>Journal of Medical Genetics</i> , <b>2015</b> , 52, 541-7	5.8	43
86	The urea transporter family (SLC14): physiological, pathological and structural aspects. <i>Molecular Aspects of Medicine</i> , <b>2013</b> , 34, 313-22	16.7	43

85	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> , <b>2013</b> , 21, 3202-13	3.4	42
84	Investigation of the inhibitory effects of the benzodiazepine derivative, 5-BDBD on P2X4 purinergic receptors by two complementary methods. <i>Cellular Physiology and Biochemistry</i> , <b>2013</b> , 32, 11-24	3.9	42
83	Expression and characterization of the intestinal Na <sup>+</sup> /glucose cotransporter in COS-7 cells. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>1990</b> , 1048, 100-4		41
82	Sodium/hydrogen exchanger NHA2 is critical for insulin secretion in $\beta$ cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 10004-9	11.5	40
81	The vitamin C transporter SVCT2 is expressed by astrocytes in culture but not in situ. <i>NeuroReport</i> , <b>2000</b> , 11, 1395-9	1.7	40
80	CaT1 knock-down strategies fail to affect CRAC channels in mucosal-type mast cells. <i>Journal of Physiology</i> , <b>2004</b> , 557, 121-32	3.9	39
79	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> , <b>2010</b> , 53, 7236-50	8.3	36
78	Chemical inhibitors of the calcium entry channel TRPV6. <i>Pharmaceutical Research</i> , <b>2011</b> , 28, 322-30	4.5	33
77	Tissue-engineered neomucosa: morphology, enterocyte dynamics, and SGLT1 expression topography. <i>Transplantation</i> , <b>2003</b> , 75, 181-5	1.8	33
76	Long-term regulation of urea transporter expression by vasopressin in Brattleboro rats. <i>American Journal of Physiology - Renal Physiology</i> , <b>2000</b> , 278, F620-7	4.3	32
75	Molecular characterization of a novel urea transporter from kidney inner medullary collecting ducts. <i>American Journal of Physiology - Renal Physiology</i> , <b>2001</b> , 280, F487-94	4.3	32
74	Placental glucose transporter (GLUT)-1 is down-regulated in preeclampsia. <i>Placenta</i> , <b>2017</b> , 55, 94-99	3.4	31
73	Human TRPV5 and TRPV6: key players in cadmium and zinc toxicity. <i>Cell Calcium</i> , <b>2013</b> , 54, 276-86	4	31
72	A family of calcium-permeable channels in the kidney: distinct roles in renal calcium handling. <i>Current Opinion in Nephrology and Hypertension</i> , <b>2002</b> , 11, 555-61	3.5	31
71	Assignment of the gene for cystinuria (SLC3A1) to human chromosome 2p21 by fluorescence in situ hybridization. <i>Genomics</i> , <b>1994</b> , 24, 413-4	4.3	31
70	The effect of inorganic phosphate on calcium influx into rat heart mitochondria. <i>Biochemical and Biophysical Research Communications</i> , <b>1978</b> , 80, 540-6	3.4	31
69	Redox modulation of STIM-ORAI signaling. <i>Cell Calcium</i> , <b>2016</b> , 60, 142-52	4	31
68	Nutrient transport in the mammary gland: calcium, trace minerals and water soluble vitamins. <i>Journal of Mammary Gland Biology and Neoplasia</i> , <b>2014</b> , 19, 73-90	2.4	30



67	Optimization of TRPV6 Calcium Channel Inhibitors Using a 3D Ligand-Based Virtual Screening Method. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 14748-52	16.4	29
66	Apical entry channels in calcium-transporting epithelia. <i>Physiology</i> , <b>2003</b> , 18, 158-63	9.8	26
65	A novel STIM1-Orai1 gating interface essential for CRAC channel activation. <i>Cell Calcium</i> , <b>2019</b> , 79, 57-674		25
64	Localization of the high-affinity glutamate transporter EAAC1 in rat kidney. <i>American Journal of Physiology - Renal Physiology</i> , <b>1997</b> , 273, F1023-9	4.3	25
63	ORAI1 channel gating and selectivity is differentially altered by natural mutations in the first or third transmembrane domain. <i>Journal of Physiology</i> , <b>2019</b> , 597, 561-582	3.9	25
62	Inhibition of CaT1 channel activity by a noncompetitive IP3 antagonist. <i>Biochemical and Biophysical Research Communications</i> , <b>2001</b> , 280, 145-50	3.4	24
61	Expression, purification, and structural insights for the human uric acid transporter, GLUT9, using the <i>Xenopus laevis</i> oocytes system. <i>PLoS ONE</i> , <b>2014</b> , 9, e108852	3.7	24
60	Frog oocytes to unveil the structure and supramolecular organization of human transport proteins. <i>PLoS ONE</i> , <b>2011</b> , 6, e21901	3.7	23
59	Glutamate transporters in kidney and brain. <i>American Journal of Physiology - Renal Physiology</i> , <b>1999</b> , 277, F487-92	4.3	23
58	The High-Affinity Glutamate Transporter Family <b>1997</b> , 171-213		22
57	Transport model of the human Na <sup>+</sup> -coupled L-ascorbic acid (vitamin C) transporter SVCT1. <i>American Journal of Physiology - Cell Physiology</i> , <b>2008</b> , 294, C451-9	5.4	21
56	Discovery and characterization of a novel non-competitive inhibitor of the divalent metal transporter DMT1/SLC11A2. <i>Biochemical Pharmacology</i> , <b>2015</b> , 96, 216-24	6	20
55	Hypoxic treatment of human dual placental perfusion induces a preeclampsia-like inflammatory response. <i>Laboratory Investigation</i> , <b>2014</b> , 94, 873-80	5.9	20
54	A novel proton transfer mechanism in the SLC11 family of divalent metal ion transporters. <i>Scientific Reports</i> , <b>2017</b> , 7, 6194	4.9	20
53	Single-channel activities of the human epithelial Ca <sup>2+</sup> transport proteins CaT1 and CaT2. <i>Journal of Membrane Biology</i> , <b>2001</b> , 184, 113-20	2.3	19
52	Intestinal metal ion absorption: an update. <i>Current Opinion in Gastroenterology</i> , <b>2001</b> , 17, 177-183	3	18
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50	TRPV5 and TRPV6 Calcium-Selective Channels <b>2017</b> , 241-274		17

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