Seth L Alper

List of Publications by Year
in descending order

202 papers	9,832 citations	41344 49 h-index	45317 90 g-index
203 all docs	203 docs citations	203 times ranked	10156 citing authors

#	Article	IF	Citations
1	Nobel prize in physiology or medicine 2021, receptors for temperature and touch: Implications for hematology. American Journal of Hematology, 2022, 97, 168-170.	4.1	5
2	Brain ventricles as windows into brain development and disease. Neuron, 2022, 110, 12-15.	8.1	23
3	Purinergic signaling is essential for full Psickle activation by hypoxia and by normoxic acid pH in mature human sickle red cells and in vitro-differentiated cultured human sickle reticulocytes. Pflugers Archiv European Journal of Physiology, 2022, 474, 553-565.	2.8	1
4	Erythroidâ€specific inactivation of Slc12a6/Kcc3 by EpoR promoterâ€driven Cre expression reduces Kâ€Cl cotransport activity in mouse erythrocytes. Physiological Reports, 2022, 10, e15186.	1.7	2
5	Impaired neurogenesis alters brain biomechanics in a neuroprogenitor-based genetic subtype of congenital hydrocephalus. Nature Neuroscience, 2022, 25, 458-473.	14.8	46
6	Adaptative Up-Regulation of PRX2 and PRX5 Expression Characterizes Brain from a Mouse Model of Chorea-Acanthocytosis. Antioxidants, 2022, 11, 76.	5.1	5
7	Monitoring Daily Ultrafiltration in Automated Peritoneal Dialysis. Clinical Journal of the American Society of Nephrology: CJASN, 2022, 17, 107-110.	4.5	2
8	Hereditary anemia caused by multilocus inheritance of <i>PIEZO1</i>, <i>SLC4A1</i> and <i>ABCB6</i> mutations: a diagnostic and therapeutic challenge. Haematologica, 2022, 107, 2280-2284.	3.5	2
9	Effect of Nitric Oxide Pathway Inhibition on the Evolution of Anaphylactic Shock in Animal Models: A Systematic Review. Biology, 2022, 11, 919.	2.8	0
10	Activation of 2â€oxoglutarate receptor 1 (<scp>OXGR1</scp>) by Îâ€ketoglutarate (<scp>ÎKG</scp>) does not detectably stimulate Pendrinâ€mediated anion exchange in Xenopus oocytes. Physiological Reports, 2022, 10, .	1.7	0
11	The erythroid K-Cl cotransport inhibitor [(dihydroindenyl)oxy]acetic acid blocks erythroid Ca²⁺-activated K⁺ channel KCNN4. American Journal of Physiology - Cell Physiology, 2022, 323, C694-C705.	4.6	2
12	Countermeasures against COVID-19: how to navigate medical practice through a nascent, evolving evidence base â€" a European multicentre mixed methods study. BMJ Open, 2021, 11, e043015.	1.9	8
13	FC 105LITHIUM PRESERVES PERITONEAL MEMBRANE INTEGRITY BY REDUCING MESOTHELIAL CELL ÎB-CRYSTALLIN. Nephrology Dialysis Transplantation, 2021, 36, .	0.7	0
14	Inflammatory hydrocephalus. Child's Nervous System, 2021, 37, 3341-3353.	1.1	10
15	A <i>Grammastola spatulata</i> mechanotoxin-4 (GsMTx4)-sensitive cation channel mediates increased cation permeability in human hereditary spherocytosis of multiple genetic etiologies. Haematologica, 2021, 106, 2759-2762.	3.5	5
16	Genomics of human congenital hydrocephalus. Child's Nervous System, 2021, 37, 3325-3340.	1.1	12
17	Haplotype-resolved germline and somatic alterations in renal medullary carcinomas. Genome Medicine, 2021, 13, 114.	8.2	5
18	Lithium preserves peritoneal membrane integrity by suppressing mesothelial cell Îα-B-crystallin. Science Translational Medicine, 2021, 13, .	12.4	20

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19	DIAPH1 Variants in Nonâ€“East Asian Patients With Sporadic Moyamoya Disease. JAMA Neurology, 2021, 78, 993.	9.0	33
20	PTEN mutations in autism spectrum disorder and congenital hydrocephalus: developmental pleiotropy and therapeutic targets. Trends in Neurosciences, 2021, 44, 961-976.	8.6	19
21	Trpv1 and Trpa1 are not essential for Psickle-like activity in red cells of the SAD mouse model of sickle cell disease. Blood Cells, Molecules, and Diseases, 2021, 92, 102619.	1.4	1
22	Whole exome sequencing identified ATP6V1C2 as a novel candidate gene for recessive distal renal tubular acidosis. Kidney International, 2020, 97, 567-579.	5.2	42
23	Genetic disruption of KCC cotransporters in a mouse model of thalassemia intermedia. Blood Cells, Molecules, and Diseases, 2020, 81, 102389.	1.4	5
24	Exome sequencing implicates genetic disruption of prenatal neuro-gliogenesis in sporadic congenital hydrocephalus. Nature Medicine, 2020, 26, 1754-1765.	30.7	84
25	Exome Sequencing Implicates Impaired GABA Signaling and Neuronal Ion Transport in Trigeminal Neuralgia. IScience, 2020, 23, 101552.	4.1	32
26	Disruption of Cav1.2-mediated signaling is a pathway for ketamine-induced pathology. Nature Communications, 2020, 11, 4328.	12.8	26
27	New drugs on the horizon for cerebral edema: whatâ€™s in the clinical development pipeline?. Expert Opinion on Investigational Drugs, 2020, 29, 1099-1105.	4.1	5
28	Peritoneal Dialysis Fluid Supplementation with Alanyl-Glutamine Attenuates Conventional Dialysis Fluid-Mediated Endothelial Cell Injury by Restoring Perturbed Cytoprotective Responses. Biomolecules, 2020, 10, 1678.	4.0	17
29	Inflammation in acquired hydrocephalus: pathogenic mechanisms and therapeutic targets. Nature Reviews Neurology, 2020, 16, 285-296.	10.1	107
30	Glymphatic System Impairment in Alzheimerâ€™s Disease and Idiopathic Normal Pressure Hydrocephalus. Trends in Molecular Medicine, 2020, 26, 285-295.	6.7	206
31	Apolipoprotein L1 (APOL1) risk variant toxicity depends on the haplotype background. Kidney International, 2019, 96, 1303-1307.	5.2	43
32	Combined genetic disruption of K-Cl cotransporters and Gardos channel KCNN4 rescues erythrocyte dehydration in the SAD mouse model of sickle cell disease. Blood Cells, Molecules, and Diseases, 2019, 79, 102346.	1.4	11
33	Transmembrane insertases and N-glycosylation critically determine synthesis, trafficking, and activity of the nonselective cation channel TRPC6. Journal of Biological Chemistry, 2019, 294, 12655-12669.	3.4	34
34	Developmentally regulated KCC2 phosphorylation is essential for dynamic GABA-mediated inhibition and survival. Science Signaling, 2019, 12, .	3.6	55
35	APOL1 Kidney Risk Variants Induce Cell Death via Mitochondrial Translocation and Opening of the Mitochondrial Permeability Transition Pore. Journal of the American Society of Nephrology: JASN, 2019, 30, 2355-2368.	6.1	64
36	The Peritoneal Surface Proteome in a Model of Chronic Peritoneal Dialysis Reveals Mechanisms of Membrane Damage and Preservation. Frontiers in Physiology, 2019, 10, 472.	2.8	9

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37	Erythrocyte ion content and dehydration modulate maximal Gardos channel activity in KCNN4 V282M/+ hereditary xerocytosis red cells. American Journal of Physiology - Cell Physiology, 2019, 317, C287-C302.	4.6	11
38	Cellular and Immunohistochemical Changes in Anaphylactic Shock Induced in the Ovalbumin-Sensitized Wistar Rat Model. Biomolecules, 2019, 9, 101.	4.0	2
39	Study of Cathepsin B inhibition in VEGFR TKI treated human renal cell carcinoma xenografts. Oncogenesis, 2019, 8, 15.	4.9	14
40	Mutations in Chromatin Modifier and Ephrin Signaling Genes in Vein of Galen Malformation. Neuron, 2019, 101, 429-443.e4.	8.1	56
41	UBD modifies APOL1 -induced kidney disease risk. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3446-3451.	7.1	52
42	A null variant in the apolipoprotein L3 gene is associated with non-diabetic nephropathy. Nephrology Dialysis Transplantation, 2018, 33, 323-330.	0.7	25
43	Revised prevalence estimate of possible Hereditary Xerocytosis as derived from a large U.S. Laboratory database. American Journal of Hematology, 2018, 93, E9-E12.	4.1	13
44	Effects of Alanyl-Glutamine Treatment on the Peritoneal Dialysis Effluent Proteome Reveal Pathomechanism-Associated Molecular Signatures. Molecular and Cellular Proteomics, 2018, 17, 516-532.	3.8	32
45	Modulation of tubular solute reuptake in UMOD knockout mice. American Journal of Physiology - Renal Physiology, 2018, 315, F238-F240.	2.7	1
46	De Novo Mutation in Genes Regulating Neural Stem Cell Fate in Human Congenital Hydrocephalus. Neuron, 2018, 99, 302-314.e4.	8.1	112
47	Noninvasive Immunohistochemical Diagnosis and Novel MUC1 Mutations Causing Autosomal Dominant Tubulointerstitial Kidney Disease. Journal of the American Society of Nephrology: JASN, 2018, 29, 2418-2431.	6.1	38
48	Increased Red Cell KCNN4 Activity in Sporadic Hereditary Xerocytosis Associated With Enhanced Single Channel Pressure Sensitivity of PIEZO1ÂMutant V598M. HemaSphere, 2018, 2, e55.	2.7	10
49	Targeted Metabolomic Profiling of Peritoneal Dialysis Effluents Shows Anti-oxidative Capacity of Alanyl-Glutamine. Frontiers in Physiology, 2018, 9, 1961.	2.8	19
50	Loss of kAE1 expression in collecting ducts of end-stage kidneys from a family with SLC4A1 G609R-associated distal renal tubular acidosis. CKJ: Clinical Kidney Journal, 2017, 10, sfw074.	2.9	8
51	Deletion of the WNK3-SPAK kinase complex in mice improves radiographic and clinical outcomes in malignant cerebral edema after ischemic stroke. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 550-563.	4.3	31
52	Erythrocytes from hereditary xerocytosis patients heterozygous for KCNN4 V282M exhibit increased spontaneous Gardos channelâ€like activity inhibited by senicapoc. American Journal of Hematology, 2017, 92, E108-E110.	4.1	21
53	Genome-wide association study of erythrocyte density in sickle cell disease patients. Blood Cells, Molecules, and Diseases, 2017, 65, 60-65.	1.4	13
54	NMR insight into myosin-binding subunit coiled-coil structure reveals binding interface with protein kinase G-Iî± leucine zipper in vascular function. Journal of Biological Chemistry, 2017, 292, 7052-7065.	3.4	3

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55	Intercalated Cell Depletion and Vacuolar H+-ATPase Mistargeting in an Ae1 R607H Knockin Model. Journal of the American Society of Nephrology: JASN, 2017, 28, 1507-1520.	6.1	36
56	Functional and Transcriptomic Characterization of Peritoneal Immune-Modulation by Addition of Alanyl-Glutamine to Dialysis Fluid. Scientific Reports, 2017, 7, 6229.	3.3	24
57	Inflammation-dependent cerebrospinal fluid hypersecretion by the choroid plexus epithelium in posthemorrhagic hydrocephalus. Nature Medicine, 2017, 23, 997-1003.	30.7	256
58	WNK-Cab39-NKCC1 signaling increases the susceptibility to ischemic brain damage in hypertensive rats. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2780-2794.	4.3	23
59	Loss of Cystic Fibrosis Transmembrane Regulator Impairs Intestinal Oxalate Secretion. Journal of the American Society of Nephrology: JASN, 2017, 28, 242-249.	6.1	29
60	The Pendrin Polypeptide. , 2017, , 187-220.		2
61	Transcriptional Regulation and Epigenetics of Pendrin. , 2017, , 157-185.		0
62	Atypical patterns of segregation of familial enlargement of the vestibular aqueduct. Laryngoscope, 2016, 126, E240-E247.	2.0	10
63	The Clinically Tested Gardos Channel Inhibitor Senicapoc Exhibits Antimalarial Activity. Antimicrobial Agents and Chemotherapy, 2016, 60, 613-616.	3.2	8
64	A new molecular link between defective autophagy and erythroid abnormalities in chorea-acanthocytosis. Blood, 2016, 128, 2976-2987.	1.4	47
65	4-Aminopyridine, A Blocker of Voltage-Dependent K+ Channels, Restores Blood Pressure and Improves Survival in the Wistar Rat Model of Anaphylactic Shock. Critical Care Medicine, 2016, 44, e1082-e1089.	0.9	6
66	Extracellular Clâ˜ regulates human SO4 2â˜/anion exchanger SLC26A1 by altering pH sensitivity of anion transport. Pflugers Archiv European Journal of Physiology, 2016, 468, 1311-1332.	2.8	12
67	Functional characterization of novel ABCB6 mutations and their clinical implications in familial pseudohyperkalemia. Haematologica, 2016, 101, 909-917.	3.5	30
68	Human SLC26A4/Pendrin STAS domain is a nucleotide-binding protein: Refolding and characterization for structural studies. Biochemistry and Biophysics Reports, 2016, 8, 184-191.	1.3	2
69	Functional kinomics establishes a critical node of volume-sensitive cation-Clâ˜ cotransporter regulation in the mammalian brain. Scientific Reports, 2016, 6, 35986.	3.3	38
70	Structural characterization of the Câ€terminal coiledâ€coil domains of wildâ€type and kidney diseaseâ€associated mutants of apolipoprotein L1. FEBS Journal, 2016, 283, 1846-1862.	4.7	27
71	Authors response to "Comment on: 'Homozygous knockout of the piezo1 gene in the zebrafish is not associated with anemia". Haematologica, 2016, 101, e39-e39.	3.5	8
72	APOL1 kidney disease risk variants cause cytotoxicity by depleting cellular potassium and inducing stress-activated protein kinases. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 830-837.	7.1	170

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73	Addition of Alanyl-Glutamine to Dialysis Fluid Restores Peritoneal Cellular Stress Responses â€“ A First-In-Man Trial. PLoS ONE, 2016, 11, e0165045.	2.5	39
74	Abstract WP269: New Insights Into Worsened Cerebral Ischemia in Hypertensive Rats: Roles of WNK-SPAK/OSR1-NKCC1 Signaling. Stroke, 2016, 47, .	2.0	0
75	Novel Gardos channel mutations linked to dehydrated hereditary stomatocytosis (xerocytosis). American Journal of Hematology, 2015, 90, 921-926.	4.1	81
76	Congenital chloride-losing diarrhea in a Mexican child with the novel homozygous SLC26A3 mutation G393W. Frontiers in Physiology, 2015, 6, 179.	2.8	3
77	Cesium-associated hypokalemia successfully treated with amiloride. CKJ: Clinical Kidney Journal, 2015, 8, 335-338.	2.9	11
78	Homozygous knockout of the piezo1 gene in the zebrafish is not associated with anemia. Haematologica, 2015, 100, e483-e485.	3.5	23
79	Autosomal dominant tubulointerstitial kidney disease: diagnosis, classification, and managementâ€”A KDIGO consensus report. Kidney International, 2015, 88, 676-683.	5.2	276
80	K-Cl cotransporters, cell volume homeostasis, and neurological disease. Trends in Molecular Medicine, 2015, 21, 513-523.	6.7	102
81	Inhibition of WNK3 Kinase Signaling Reduces Brain Damage and Accelerates Neurological Recovery After Stroke. Stroke, 2015, 46, 1956-1965.	2.0	78
82	Innate immunity pathways regulate the nephropathy gene Apolipoprotein L1. Kidney International, 2015, 87, 332-342.	5.2	278
83	Copy Number Variation at the APOL1 Locus. PLoS ONE, 2015, 10, e0125410.	2.5	17
84	WNK3â€SPAK/OSR1â€NKCC1 Signaling Pathway in Ischemic Brain Injury. FASEB Journal, 2015, 29, 844.1.	0.5	0
85	IK Channel (SK4) Knockout Mice Have Normal Bladder Function. FASEB Journal, 2015, 29, 845.11.	0.5	0
86	TNF-mediated damage to glomerular endothelium is an important determinant of acute kidney injury in sepsis. Kidney International, 2014, 85, 72-81.	5.2	165
87	Hereditary xerocytosis revisited. American Journal of Hematology, 2014, 89, 1142-1146.	4.1	47
88	Molecular Dynamics Simulations of the STAS Domains of Rat Prestin and Human Pendrin Reveal Conformational Motions in Conserved Flexible Regions. Cellular Physiology and Biochemistry, 2014, 33, 605-620.	1.6	7
89	Molecular cloning and functional characterization of zebrafish Slc4a3/Ae3 anion exchanger. Pflugers Archiv European Journal of Physiology, 2014, 466, 1605-1618.	2.8	8
90	Dehydrated stomatocytic anemia due to the heterozygous mutation R2456H in the mechanosensitive cation channel PIEZO1: a case report. Blood Cells, Molecules, and Diseases, 2014, 52, 53-54.	1.4	28

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91	Senicapoc, a Gardos Channel Inhibitor Developed to Treat Sickle Cell Disease, Exhibits Antimalarial Activity. Blood, 2014, 124, 743-743.	1.4	0
92	N-ethylmaleimide activates a Clâ^'-independent component of K+ flux in mouse erythrocytes. Blood Cells, Molecules, and Diseases, 2013, 51, 9-16.	1.4	5
93	The SLC26 gene family of anion transporters and channels. Molecular Aspects of Medicine, 2013, 34, 494-515.	6.4	297
94	Substitution of transmembrane domain Cys residues alters pHo-sensitive anion transport by AE2/SLC4A2 anion exchanger. Pflugers Archiv European Journal of Physiology, 2013, 465, 839-851.	2.8	8
95	Autosomal dominant overhydrated stomatocytosis associated with the heterozygous Rh<scp>AG</scp> mutation F65S: a case of missed heterozygosity due to allelic dropout. British Journal of Haematology, 2013, 161, 602-604.	2.5	4
96	Strain-specific variations in cation content and transport in mouse erythrocytes. Physiological Genomics, 2013, 45, 343-350.	2.3	8
97	Missense mutations in the ABCB6 transporter cause dominant familialpseudohyperkalemia. American Journal of Hematology, 2013, 88, 66-72.	4.1	67
98	The SLC4 Anion Exchanger Gene Family. , 2013, , 1861-1915.		1
99	Mutations causing medullary cystic kidney disease type 1 lie in a large VNTR in MUC1 missed by massively parallel sequencing. Nature Genetics, 2013, 45, 299-303.	21.4	237
100	SLC4A2-mediated Cl ^{â^'} /HCO ₃ ^{â^'} exchange activity is essential for calpain-dependent regulation of the actin cytoskeleton in osteoclasts. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2163-2168.	7.1	39
101	Harnessing red cell membrane pathophysiology towards pointâ€ofâ€care diagnosis for sickle cell disease. Journal of Physiology, 2013, 591, 1403-1404.	2.9	2
102	Na⁺/H⁺ exchange is inactivated during mouse oocyte meiosis, facilitating glycine accumulation that maintains embryo cell volume. Journal of Cellular Physiology, 2013, 228, 2042-2053.	4.1	6
103	Multiple clinical forms of dehydrated hereditary stomatocytosis arise from mutations in PIEZO1. Blood, 2013, 121, 3925-3935.	1.4	266
104	Transcriptional Patterns in Peritoneal Tissue of Encapsulating Peritoneal Sclerosis, a Complication of Chronic Peritoneal Dialysis. PLoS ONE, 2013, 8, e56389.	2.5	17
105	SLC26A4mutation testing for hearing loss associated with enlargement of the vestibular aqueduct. World Journal of Otorhinolaryngology, 2013, 3, 26.	0.1	9
106	Loss of Slc4a1b Chloride/Bicarbonate Exchanger Function Protects Mechanosensory Hair Cells from Aminoglycoside Damage in the Zebrafish Mutant persephone. PLoS Genetics, 2012, 8, e1002971.	3.5	21
107	The pendrin anion exchanger gene is transcriptionally regulated by uroguanylin: a novel enterorenal link. American Journal of Physiology - Renal Physiology, 2012, 302, F614-F624.	2.7	20
108	Cation-leak stomatocytosis in Standard Schnauzers does not cosegregate with coding mutations in the RhAG, SLC4A1, or GLUT1 genes associated with human disease. Blood Cells, Molecules, and Diseases, 2012, 48, 219-225.	1.4	1

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109	Basolateral chloride loading by the anion exchanger type 2: role in fluid secretion by the human airway epithelial cell line Caluâ€3. Journal of Physiology, 2012, 590, 5299-5316.	2.9	26
110	Gastrin inhibits a novel, pathological colon cancer signaling pathway involving EGR1, AE2, and P-ERK. Journal of Molecular Medicine, 2012, 90, 707-718.	3.9	32
111	Guanine nucleotides differentially modulate backbone dynamics of the STAS domain of the SulP/SLC26 transport protein Rv1739c of Mycobacteriumâ€ftuberculosis. FEBS Journal, 2012, 279, 420-436.	4.7	5
112	Missense Mutations in the ABCB6 Transporter Cause Dominant Familial Pseudohyperkalemia. Blood, 2012, 120, 3184-3184.	1.4	0
113	Interactions of mouse glycophorin A with the dRTA-related mutant G719D of the mouse Cl^{â€“}/HCO₃^{â€“}exchanger Ae1This paper is one of a selection of papers published in a Special Issue entitled CSBMCB 53rd Annual Meeting â€" Membrane Proteins in Health and Disease, and has undergone the Journalâ€™s usual peer review process.. Biochemistry and Cell Biology, 2011, 89, 224-235.	2.0	5
114	STAS Domain Structure and Function. Cellular Physiology and Biochemistry, 2011, 28, 407-422.	1.6	90
115	Loss of the AE3 anion exchanger in a hypertrophic cardiomyopathy model causes rapid decompensation and heart failure. Journal of Molecular and Cellular Cardiology, 2011, 50, 137-146.	1.9	26
116	Loss-of-function and gain-of-function phenotypes of stomatocytosis mutant RhAG F65S. American Journal of Physiology - Cell Physiology, 2011, 301, C1325-C1343.	4.6	24
117	Pendrin Function and Regulation in <i>Xenopus</i> Oocytes. Cellular Physiology and Biochemistry, 2011, 28, 435-450.	1.6	28
118	SLC26 anion exchangers of guinea pig pancreatic duct: molecular cloning and functional characterization. American Journal of Physiology - Cell Physiology, 2011, 301, C289-C303.	4.6	46
119	Functional characterization and modified rescue of novel AE1 mutation R730C associated with overhydrated cation leak stomatocytosis. American Journal of Physiology - Cell Physiology, 2011, 300, C1034-C1046.	4.6	34
120	Solution Structure of the Guanine Nucleotide-binding STAS Domain of SLC26-related SulP Protein Rv1739c from Mycobacterium tuberculosis. Journal of Biological Chemistry, 2011, 286, 8534-8544.	3.4	38
121	Native and recombinant Slc26a3 (downregulated in adenoma, Dra) do not exhibit properties of 2Cl^{â^'}/1HCO₃^{â^'} exchange. American Journal of Physiology - Cell Physiology, 2011, 300, C276-C286.	4.6	35
122	Hemolytic anemia and distal renal tubular acidosis in two Indian patients homozygous for SLC4A1/AE1 mutation A858D. American Journal of Hematology, 2010, 85, 824-828.	4.1	27
123	Anion Exchanger 1 Interacts with Nephrin in Podocytes. Journal of the American Society of Nephrology: JASN, 2010, 21, 1456-1467.	6.1	25
124	Regulated transport of sulfate and oxalate by SLC26A2/DTDST. American Journal of Physiology - Cell Physiology, 2010, 298, C1363-C1375.	4.6	51
125	The GPA-dependent, spherostomatocytosis mutant AE1 E758K induces GPA-independent, endogenous cation transport in amphibian oocytes. American Journal of Physiology - Cell Physiology, 2010, 298, C283-C297.	4.6	30
126	AE2 Cl^{â^'}/HCO₃^{â^'}exchanger is required for normal cAMP-stimulated anion secretion in murine proximal colon. American Journal of Physiology - Renal Physiology, 2010, 298, G493-G503.	3.4	39

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127	Hypoxia Activates a Ca2+-Permeable Cation Conductance Sensitive to Carbon Monoxide and to GsMTx-4 in Human and Mouse Sickle Erythrocytes. PLoS ONE, 2010, 5, e8732.	2.5	50
128	Hereditary Stomatocytosis Associated with a Loss of Function Mutation In Rh-Associated Glycoprotein (RhAG). Blood, 2010, 116, 2040-2040.	1.4	44
129	Familial renal tubular acidosis. Journal of Nephrology, 2010, 23 Suppl 16, S57-76.	2.0	34
130	HCO3â^'/Clâ^' Exchange Inactivation and Reactivation during Mouse Oocyte Meiosis Correlates with MEK/MAPK-Regulated Ae2 Plasma Membrane Localization. PLoS ONE, 2009, 4, e7417.	2.5	20
131	Putative Re-entrant Loop 1 of AE2 Transmembrane Domain Has a Major Role in Acute Regulation of Anion Exchange by pH. Journal of Biological Chemistry, 2009, 284, 6126-6139.	3.4	32
132	Distinct and novel SLC26A4/Pendrin mutations in Chinese and U.S. patients with nonsyndromic hearing loss. Physiological Genomics, 2009, 38, 281-290.	2.3	61
133	Deletion of the Chloride Transporter Slc26a7 Causes Distal Renal Tubular Acidosis and Impairs Gastric Acid Secretion. Journal of Biological Chemistry, 2009, 284, 29470-29479.	3.4	78
134	Hypo-FunctionalSLC26A4variants associated with nonsyndromic hearing loss and enlargement of the vestibular aqueduct: Genotype-phenotype correlation or coincidental polymorphisms?. Human Mutation, 2009, 30, 599-608.	2.5	143
135	Response to: The c.â^'103T>C variant in the 5â€²-UTR ofSLC26A4gene: a pathogenic mutation or coincidental polymorphism?. Human Mutation, 2009, 30, 1471-1471.	2.5	7
136	NMR assignment and secondary structure of the STAS domain of Rv1739c, a putative sulfate transporter of Mycobacterium tuberculosis. Biomolecular NMR Assignments, 2009, 3, 99-102.	0.8	5
137	Molecular physiology and genetics of Na+-independent SLC4 anion exchangers. Journal of Experimental Biology, 2009, 212, 1672-1683.	1.7	192
138	Molecular characterization of Slc26a3 and Slc26a6 anion transporters in guinea pig pancreatic duct. Journal of Medical Investigation, 2009, 56, 329-331.	0.5	1
139	The SLC4 Anion Exchanger Gene Family. , 2008, , 1499-1537.		2
140	Mouse strainâ€specific coding polymorphism in the Slc4a2/Ae2 gene encodes Ae2c2 variants differing in isoformâ€specific dominant negative activity. Experimental Physiology, 2008, 93, 458-467.	2.0	2
141	Species differences in Cl^{â^'} affinity and in electrogenicity of SLC26A6â€mediated oxalate/Cl^{â^'} exchange correlate with the distinct human and mouse susceptibilities to nephrolithiasis. Journal of Physiology, 2008, 586, 1291-1306.	2.9	64
142	Increased sulfate uptake by E. coli overexpressing the SLC26-related SulP protein Rv1739c from Mycobacterium tuberculosis. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2008, 149, 255-266.	1.8	40
143	Reduced DIDS-sensitive chloride conductance in Ae1â^'/â^' mouse erythrocytes. Blood Cells, Molecules, and Diseases, 2008, 41, 22-34.	1.4	10
144	Deletion of the chloride transporter Slc26a9 causes loss of tubulovesicles in parietal cells and impairs acid secretion in the stomach. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17955-17960.	7.1	94

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145	Zebrafish ae2.2 encodes a second slc4a2 anion exchanger. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R1081-R1091.	1.8	10
146	Mouse Ae1 E699Q mediates SO42â˜'i/aniono exchange with [SO42â˜']i-dependent reversal of wild-type pHo sensitivity. American Journal of Physiology - Cell Physiology, 2008, 295, C302-C312.	4.6	11
147	Let's look at cysts from both sides now. Kidney International, 2008, 74, 699-702.	5.2	14
148	Anion Exchangers in Flux: Functional Differences between Human and Mouse SLC26A6 Polypeptides. Novartis Foundation Symposium, 2008, , 107-125.	1.1	11
149	Enhanced Formation of a HCOâ˜'3 Transport Metabolon in Exocrine Cells of Nhe1â€"/â€" Mice. Journal of Biological Chemistry, 2007, 282, 35125-35132.	3.4	25
150	Effect of chronic elevated carbon dioxide on the expression of acid-base transporters in the neonatal and adult mouse. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R1294-R1302.	1.8	27
151	Distal Renal Tubular Acidosis in Mice Lacking the AE1 (Band3) Clâ˜'/HCO3 â˜' Exchanger (slc4a1). Journal of the American Society of Nephrology: JASN, 2007, 18, 1408-1418.	6.1	127
152	Interactions of transmembrane carbonic anhydrase, CAIX, with bicarbonate transporters. American Journal of Physiology - Cell Physiology, 2007, 293, C738-C748.	4.6	125
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