

Manoocher Soleimani

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

2,053
citations

201674

27
h-index

254184

43
g-index

67
all docs

67
docs citations

67
times ranked

2338
citing authors

#	ARTICLE	IF	CITATIONS
1	Pendrin: an apical Cl ⁻ /OH ⁻ /HCO ₃ ⁻ exchanger in the kidney cortex. American Journal of Physiology - Renal Physiology, 2001, 280, F356-F364.	2.7	260
2	Insulin resistance and hypertension: new insights. Kidney International, 2015, 87, 497-499.	5.2	114
3	Double knockout of pendrin and Na-Cl cotransporter (NCC) causes severe salt wasting, volume depletion, and renal failure. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13368-13373.	7.1	107
4	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
5	Downregulated in adenoma and putative anion transporter are regulated by CFTR in cultured pancreatic duct cells. American Journal of Physiology - Renal Physiology, 2001, 281, G1301-G1308.	3.4	83
6	Renal salt wasting in mice lacking NHE3 Na ⁺ /H ⁺ exchanger but not in mice lacking NHE2. American Journal of Physiology - Renal Physiology, 2001, 281, F718-F727.	2.7	79
7	Expression of SSAT, a novel biomarker of tubular cell damage, increases in kidney ischemia-reperfusion injury. American Journal of Physiology - Renal Physiology, 2003, 284, F1046-F1055.	2.7	74
8	The distinct roles of anion transporters Slc26a3 (DRA) and Slc26a6 (PAT-1) in fluid and electrolyte absorption in the murine small intestine. Pflügers Archiv European Journal of Physiology, 2014, 466, 1541-1556.	2.8	59
9	Acute Kidney Injury in SARS-CoV-2 Infection: Direct Effect of Virus on Kidney Proximal Tubule Cells. International Journal of Molecular Sciences, 2020, 21, 3275.	4.1	59
10	Slc26a11, a chloride transporter, localizes with the vacuolar H ⁺ -ATPase of A-intercalated cells of the kidney. Kidney International, 2011, 80, 926-937.	5.2	57
11	Renal tubular NHE3 is required in the maintenance of water and sodium chloride homeostasis. Kidney International, 2017, 92, 397-414.	5.2	51
12	Effect of renal tubule-specific knockdown of the Na ⁺ /H ⁺ exchanger NHE3 in Akita diabetic mice. American Journal of Physiology - Renal Physiology, 2019, 317, F419-F434.	2.7	49
13	Epithelial Anion Transporter Pendrin Contributes to Inflammatory Lung Pathology in Mouse Models of Bordetella pertussis Infection. Infection and Immunity, 2014, 82, 4212-4221.	2.2	48
14	SLC26 Cl ⁻ /HCO ₃ ⁻ exchangers in the kidney: roles in health and disease. Kidney International, 2013, 84, 657-666.	5.2	47
15	Homozygous loss-of-function mutations in SLC26A7 cause goitrous congenital hypothyroidism. JCI Insight, 2018, 3, .	5.0	44
16	Chloride/Bicarbonate Exchanger SLC26A7 Is Localized in Endosomes in Medullary Collecting Duct Cells and Is Targeted to the Basolateral Membrane in Hypertonicity and Potassium Depletion. Journal of the American Society of Nephrology: JASN, 2006, 17, 956-967.	6.1	43
17	The multiple roles of pendrin in the kidney. Nephrology Dialysis Transplantation, 2015, 30, 1257-1266.	0.7	42
18	SLC26 Chloride/Base Exchangers in the Kidney in Health and Disease. Seminars in Nephrology, 2006, 26, 375-385.	1.6	40

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19	Potiation of the Effect of Thiazide Derivatives by Carbonic Anhydrase Inhibitors: Molecular Mechanisms and Potential Clinical Implications. PLoS ONE, 2013, 8, e79327.	2.5	40
20	Caffeine-induced diuresis and natriuresis is independent of renal tubular NHE3. American Journal of Physiology - Renal Physiology, 2015, 308, F1409-F1420.	2.7	40
21	CFTR upregulates the expression of the basolateral Na ⁺ -K ⁺ -2Cl ⁻ cotransporter in cultured pancreatic duct cells. American Journal of Physiology - Cell Physiology, 1999, 277, C1100-C1110.	4.6	38
22	Spermidine/spermine-N ¹ -acetyltransferase ablation protects against liver and kidney ischemia-reperfusion injury in mice. American Journal of Physiology - Renal Physiology, 2009, 296, G899-G909.	3.4	33
23	Spermidine/spermine N1-acetyltransferase-mediated polyamine catabolism regulates beige adipocyte biogenesis. Metabolism: Clinical and Experimental, 2018, 85, 298-304.	3.4	33
24	Activation of endoplasmic reticulum stress response by enhanced polyamine catabolism is important in the mediation of cisplatin-induced acute kidney injury. PLoS ONE, 2017, 12, e0184570.	2.5	32
25	The chloride channel/transporter Slc26a9 regulates the systemic arterial pressure and renal chloride excretion. Journal of Molecular Medicine, 2013, 91, 561-572.	3.9	31
26	Fasting downregulates renal water channel AQP2 and causes polyuria. American Journal of Physiology - Renal Physiology, 2001, 280, F513-F523.	2.7	28
27	Slc26a11 is prominently expressed in the brain and functions as a chloride channel: expression in Purkinje cells and stimulation of V H ⁺ -ATPase. Pflugers Archiv European Journal of Physiology, 2013, 465, 1583-1597.	2.8	28
28	The Role of Salt in the Pathogenesis of Fructose-Induced Hypertension. International Journal of Nephrology, 2011, 2011, 1-8.	1.3	25
29	Polyamine Catabolism in Acute Kidney Injury. International Journal of Molecular Sciences, 2019, 20, 4790.	4.1	25
30	SLC26A Gene Family Participate in pH Regulation during Enamel Maturation. PLoS ONE, 2015, 10, e0144703.	2.5	25
31	Tuberous sclerosis complex exhibits a new renal cystogenic mechanism. Physiological Reports, 2019, 7, e13983.	1.7	23
32	Slc26a7 Chloride Channel Activity and Localization in Mouse Reissner's Membrane Epithelium. PLoS ONE, 2014, 9, e97191.	2.5	20
33	Proximal Tubule Epithelial Cell Specific Ablation of the Spermidine/Spermine N1-Acetyltransferase Gene Reduces the Severity of Renal Ischemia/Reperfusion Injury. PLoS ONE, 2014, 9, e110161.	2.5	19
34	The Role of Epithelial Sodium Channel ENaC and the Apical Cl ⁻ /HCO ₃ ⁻ Exchanger Pendrin in Compensatory Salt Reabsorption in the Setting of Na-Cl Cotransporter (NCC) Inactivation. PLoS ONE, 2016, 11, e0150918.	2.5	18
35	SLC26A11 (KBAT) in Purkinje Cells Is Critical for Inhibitory Transmission and Contributes to Locomotor Coordination. ENeuro, 2016, 3, ENEURO.0028-16.2016.	1.9	18
36	Metabolic Alkalosis Pathogenesis, Diagnosis, and Treatment: Core Curriculum 2022. American Journal of Kidney Diseases, 2022, 80, 536-551.	1.9	18

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37	Kidney Injury in COVID-19: Epidemiology, Molecular Mechanisms and Potential Therapeutic Targets. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2242.	4.1	17
38	Deletion of the Cl-/HCO ₃ - exchanger pendrin downregulates calcium-absorbing proteins in the kidney and causes calcium wasting. <i>Nephrology Dialysis Transplantation</i> , 2012, 27, 1368-1379.	0.7	16
39	Double Knockout of Carbonic Anhydrase II (CAII) and Na ⁺ -Cl-Cotransporter (NCC) Causes Salt Wasting and Volume Depletion. <i>Cellular Physiology and Biochemistry</i> , 2013, 32, 173-183.	1.6	15
40	Urine Ammonium, Metabolic Acidosis and Progression of Chronic Kidney Disease. <i>Nephron</i> , 2018, 138, 222-228.	1.8	15
41	Mechanism of Thiazide Diuretic Arterial Pressure Reduction: The Search Continues. <i>Frontiers in Pharmacology</i> , 2019, 10, 815.	3.5	14
42	Kidney intercalated cells and the transcription factor FOXi1 drive cystogenesis in tuberous sclerosis complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	14
43	Polyamines and Their Metabolism: From the Maintenance of Physiological Homeostasis to the Mediation of Disease. <i>Medical Sciences (Basel, Switzerland)</i> , 2022, 10, 38.	2.9	13
44	Probenecid Pre-treatment Downregulates the Kidney Cl-/HCO ₃ - Exchanger (Pendrin) and Potentiates Hydrochlorothiazide-Induced Diuresis. <i>Frontiers in Physiology</i> , 2018, 9, 849.	2.8	12
45	Thiazide Therapy in Chronic Kidney Disease: Renal and Extra Renal Targets. <i>Current Drug Metabolism</i> , 2018, 19, 1012-1020.	1.2	11
46	The role of SLC26A6-mediated chloride/oxalate exchange in causing susceptibility to nephrolithiasis. <i>Journal of Physiology</i> , 2008, 586, 1205-1206.	2.9	10
47	Carbonic anhydrase II does not regulate nitrite-dependent nitric oxide formation and vasodilation. <i>British Journal of Pharmacology</i> , 2020, 177, 898-911.	5.4	10
48	Segmental differences in Slc26a3-dependent Cl ⁻ absorption and HCO ₃ ⁻ secretion in the mouse large intestine in vitro in Ussing chambers. <i>Journal of Physiological Sciences</i> , 2021, 71, 5.	2.1	7
49	Tubular NHE3 is a determinant of the acute natriuretic and chronic blood pressure lowering effect of the SGLT2 inhibitor empagliflozin. <i>FASEB Journal</i> , 2018, 32, 620.17.	0.5	7
50	Na ⁺ :HCO ₃ ⁻ cotransporters (NBC): expression and regulation in the kidney. <i>Journal of Nephrology</i> , 2002, 15 Suppl 5, S32-40.	2.0	7
51	A novel target for diuretic therapy. <i>Iranian Journal of Kidney Diseases</i> , 2012, 6, 419-25.	0.1	7
52	Deletion of Slc26a1 and Slc26a7 Delays Enamel Mineralization in Mice. <i>Frontiers in Physiology</i> , 2017, 8, 307.	2.8	6
53	The non-diuretic hypotensive effects of thiazides are enhanced during volume depletion states. <i>PLoS ONE</i> , 2017, 12, e0181376.	2.5	6
54	Ablation of polyamine catabolic enzymes provokes Purkinje cell damage, neuroinflammation, and severe ataxia. <i>Journal of Neuroinflammation</i> , 2020, 17, 301.	7.2	6

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55	Ablation of the Cl ⁻ /HCO ₃ ⁻ Exchanger Pendrin Enhances Hydrochlorothiazide-Induced Diuresis. <i>Kidney and Blood Pressure Research</i> , 2017, 42, 444-455.	2.0	5
56	Prostaglandin-E2 Mediated Increase in Calcium and Phosphate Excretion in a Mouse Model of Distal Nephron Salt Wasting. <i>PLoS ONE</i> , 2016, 11, e0159804.	2.5	3
57	Vascular contractile reactivity in hypotension due to reduced renal reabsorption of Na ⁺ and restricted dietary Na ⁺ . <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2017, 390, 321-326.	3.0	3
58	Lack of thiazide diuretic inhibition of agonist constriction of mouse mesenteric arterioles ex vivo. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2019, 392, 117-121.	3.0	2
59	The Author Replies. <i>Kidney International</i> , 2012, 81, 1043.	5.2	1
60	The Role of Stathmin, a Regulator of Mitosis, in Hematopoiesis. <i>Blood</i> , 2012, 120, 3453-3453.	1.4	1
61	Inhibition of Na ⁺ /H ⁺ exchanger 3 ameliorates lower limb ischemia/reperfusion-induced acute kidney injury through preservation of mitochondrial biogenesis in mice. <i>FASEB Journal</i> , 2022, 36, .	0.5	1
62	Constraints of FL Motif on the Targeting and Function of Sodium-Bicarbonate Cotransporter 1. <i>Nature Precedings</i> , 2008, , .	0.1	0
63	Receptor Protein Tyrosine Phosphatase $\hat{1}^3$, CO ₂ Sensing in Proximal Tubule and Acid Base Homeostasis. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 2543-2545.	6.1	0
64	Regulation of Cl ⁻ /HCO ₃ ⁻ Exchange in the Lower Villous Epithelium of Murine Duodenum. <i>FASEB Journal</i> , 2010, 24, 815.10.	0.5	0
65	Absence of Slc26a9 results in altered tracheobronchial anion transport and high mortality in neonate mice (1181.7). <i>FASEB Journal</i> , 2014, 28, 1181.7.	0.5	0
66	Slc4a8 in the Kidney: Expression, Subcellular Localization and Role in Acid Base Homeostasis and Salt Reabsorption. <i>FASEB Journal</i> , 2018, 32, 750.18.	0.5	0