Alexander Staruschenko

List of Publications by Year
in descending order

245	4,740	76196 40	138251 58
papers	citations	h-index	g-index

250	250	250	4340
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Contribution of TRPV1-TRPA1 Interaction to the Single Channel Properties of the TRPA1 Channel. Journal of Biological Chemistry, 2010, 285, 15167-15177.	1.6	171
2	Angiotensin II Increases Activity of the Epithelial Na+ Channel (ENaC) in Distal Nephron Additively to Aldosterone. Journal of Biological Chemistry, 2012, 287, 660-671.	1.6	127
3	Cardiorenal Protection With the Newer Antidiabetic Agents in Patients With Diabetes and Chronic Kidney Disease: A Scientific Statement From the American Heart Association. Circulation, 2020, 142, e265-e286.	1.6	107
4	Epithelial Na+ Channel Subunit Stoichiometry. Biophysical Journal, 2005, 88, 3966-3975.	0.2	97
5	A NOX4/TRPC6 Pathway in Podocyte Calcium Regulation and Renal Damage in Diabetic Kidney Disease. Journal of the American Society of Nephrology: JASN, 2018, 29, 1917-1927.	3.0	95
6	Regulation of Transport in the Connecting Tubule and Cortical Collecting Duct. , 2012, 2, 1541-1584.		92
7	Region-Based Convolutional Neural Nets for Localization of Glomeruli in Trichrome-Stained Whole Kidney Sections. Journal of the American Society of Nephrology: JASN, 2018, 29, 2081-2088.	3.0	91
8	Insight toward epithelial Na⁺ channel mechanism revealed by the acidâ€sensing ion channel 1 structure. IUBMB Life, 2008, 60, 620-628.	1.5	89
9	TRPC6 channel as an emerging determinant of the podocyte injury susceptibility in kidney diseases. American Journal of Physiology - Renal Physiology, 2015, 309, F393-F397.	1.3	89
10	Acute Regulation of the Epithelial Na+ Channel by Phosphatidylinositide 3-OH Kinase Signaling in Native Collecting Duct Principal Cells. Journal of the American Society of Nephrology: JASN, 2007, 18, 1652-1661.	3.0	87
11	Podocyte injury in diabetic nephropathy: implications of angiotensin II â€" dependent activation of TRPC channels. Scientific Reports, 2015, 5, 17637.	1.6	84
12	Evidence of the Importance of Nox4 in Production of Hypertension in Dahl Salt-Sensitive Rats. Hypertension, 2016, 67, 440-450.	1.3	83
13	Angiotensin II has acute effects on TRPC6 channels in podocytes of freshly isolated glomeruli. Kidney International, 2014, 86, 506-514.	2.6	80
14	Ras Activates the Epithelial Na+ Channel through Phosphoinositide 3-OH Kinase Signaling. Journal of Biological Chemistry, 2004, 279, 37771-37778.	1.6	78
15	Essential role of Kir5.1 channels in renal salt handling and blood pressure control. JCI Insight, 2017, 2, .	2.3	78
16	Rho Small GTPases Activate the Epithelial Na+ Channel. Journal of Biological Chemistry, 2004, 279, 49989-49994.	1.6	76
17	Molecular Determinants of PI(4,5)P2 and PI(3,4,5)P3 Regulation of the Epithelial Na+ Channel. Journal of General Physiology, 2007, 130, 399-413.	0.9	73
18	Rapid Translocation and Insertion of the Epithelial Na+ Channel in Response to RhoA Signaling. Journal of Biological Chemistry, 2006, 281, 26520-26527.	1.6	71

#	ARTICLE	IF	CITATIONS
19	Deficiency of Renal Cortical EGF Increases ENaC Activity and Contributes to Salt-Sensitive Hypertension. Journal of the American Society of Nephrology: JASN, 2013, 24, 1053-1062.	3.0	69
20	Regulation of the epithelial Na+ channel (ENaC) by phosphatidylinositides. American Journal of Physiology - Renal Physiology, 2006, 290, F949-F957.	1.3	68
21	Involvement of ENaC in the development of salt-sensitive hypertension. American Journal of Physiology - Renal Physiology, 2017, 313, F135-F140.	1.3	67
22	Endothelin-1 Inhibits the Epithelial Na+ Channel through Î²Pix/14-3-3/Nedd4-2. Journal of the American Society of Nephrology: JASN, 2010, 21, 833-843.	3.0	63
23	Epoxyeicosatrienoic acid analogue lowers blood pressure through vasodilation and sodium channel inhibition. Clinical Science, 2014, 127, 463-474.	1.8	63
24	Identification of a Functional Phosphatidylinositol 3,4,5-Trisphosphate Binding Site in the Epithelial Na+ Channel. Journal of Biological Chemistry, 2005, 280, 37565-37571.	1.6	62
25	Direct Activation of ENaC by Angiotensin II: Recent Advances and New Insights. Current Hypertension Reports, 2013, 15, 17-24.	1.5	61
26	Fluorescence Resonance Energy Transfer Analysis of Subunit Stoichiometry of the Epithelial Na+ Channel. Journal of Biological Chemistry, 2004, 279, 27729-27734.	1.6	60
27	Mechanisms of nonâ€steroid antiâ€inflammatory drugs action on ASICs expressed in hippocampal interneurons. Journal of Neurochemistry, 2008, 106, 429-441.	2.1	59
28	Orally Active Epoxyeicosatrienoic Acid Analog Attenuates Kidney Injury in Hypertensive Dahl Saltâ€“Sensitive Rat. Hypertension, 2013, 62, 905-913.	1.3	56
29	Ion Channel Regulation by Ras, Rho, and Rab Small GTPases. Experimental Biology and Medicine, 2007, 232, 1258-1265.	1.1	55
30	ROS production as a common mechanism of ENaC regulation by EGF, insulin, and IGF-1. American Journal of Physiology - Cell Physiology, 2013, 304, C102-C111.	2.1	55
31	Mutation of <i>Plekha7</i> attenuates salt-sensitive hypertension in the rat. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12817-12822.	3.3	55
32	Protective role of Trpc6 knockout in the progression of diabetic kidney disease. American Journal of Physiology - Renal Physiology, 2018, 315, F1091-F1097.	1.3	54
33	Epidermal growth factor-mediated proliferation and sodium transport in normal and PKD epithelial cells. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 1301-1313.	1.8	52
34	Effects of cytochrome<i>P</i>-450 metabolites of arachidonic acid on the epithelial sodium channel (ENaC). American Journal of Physiology - Renal Physiology, 2011, 301, F672-F681.	1.3	52
35	Binding and direct activation of the epithelial Na+channel (ENaC) by phosphatidylinositides. Journal of Physiology, 2007, 580, 365-372.	1.3	50
36	Direct inhibition of basolateral K_{ir}4.1/5.1 and K_{ir}4.1 channels in the cortical collecting duct by dopamine. American Journal of Physiology - Renal Physiology, 2013, 305, F1277-F1287.	1.3	49

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37	Quantifying RhoA Facilitated Trafficking of the Epithelial Na+ Channel toward the Plasma Membrane with Total Internal Reflection Fluorescence-Fluorescence Recovery after Photobleaching. Journal of Biological Chemistry, 2007, 282, 14576-14585.	1.6	48
38	Defects in KCNJ16 Cause a Novel Tubulopathy with Hypokalemia, Salt Wasting, Disturbed Acid-Base Homeostasis, and Sensorineural Deafness. Journal of the American Society of Nephrology: JASN, 2021, 32, 1498-1512.	3.0	46
39	Cortical actin binding protein cortactin mediates ENaC activity<i>via</i>Arp2/3 complex. FASEB Journal, 2011, 25, 2688-2699.	0.2	45
40	Role of TRPC6 in Progression of Diabetic Kidney Disease. Current Hypertension Reports, 2019, 21, 48.	1.5	45
41	Subunit-dependent cadmium and nickel inhibition of acid-sensing ion channels. Developmental Neurobiology, 2007, 67, 97-107.	1.5	44
42	Intact Cytoskeleton Is Required for Small G Protein Dependent Activation of the Epithelial Na+ Channel. PLoS ONE, 2010, 5, e8827.	1.1	43
43	The Role of Angiotensin II in Glomerular Volume Dynamics and Podocyte Calcium Handling. Scientific Reports, 2017, 7, 299.	1.6	43
44	Regulation of ENaC in mice lacking renal insulin receptors in the collecting duct. FASEB Journal, 2013, 27, 2723-2732.	0.2	41
45	Regulation of ENaC expression at the cell surface by Rab11. Biochemical and Biophysical Research Communications, 2008, 377, 521-525.	1.0	40
46	Metabolic rewiring of the hypertensive kidney. Science Signaling, 2019, 12, .	1.6	40
47	Beneficial Effects of High Potassium. Hypertension, 2018, 71, 1015-1022.	1.3	39
48	Regulation of Epithelial Na+ Channel Activity by Conserved Serine/Threonine Switches within Sorting Signals. Journal of Biological Chemistry, 2005, 280, 39161-39167.	1.6	36
49	Protease-activated receptors in kidney disease progression. American Journal of Physiology - Renal Physiology, 2016, 311, F1140-F1144.	1.3	36
50	p66Shc regulates renal vascular tone in hypertension-induced nephropathy. Journal of Clinical Investigation, 2016, 126, 2533-2546.	3.9	36
51	Ras couples phosphoinositide 3-OH kinase to the epithelial Na+ channel. Biochimica Et Biophysica Acta - Biomembranes, 2005, 1669, 108-115.	1.4	35
52	Epidermal growth factors in the kidney and relationship to hypertension. American Journal of Physiology - Renal Physiology, 2013, 305, F12-F20.	1.3	35
53	Insulin and IGF-1 activate K_{ir}4.1/5.1 channels in cortical collecting duct principal cells to control basolateral membrane voltage. American Journal of Physiology - Renal Physiology, 2016, 310, F311-F321.	1.3	35
54	Progression of diabetic kidney disease in T2DN rats. American Journal of Physiology - Renal Physiology, 2019, 317, F1450-F1461.	1.3	34

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55	Novel Role of Rac1/WAVE Signaling Mechanism in Regulation of the Epithelial Na ⁺ Channel. Hypertension, 2011, 57, 996-1002.	1.3	33
56	G-protein signaling modulator 1 deficiency accelerates cystic disease in an orthologous mouse model of autosomal dominant polycystic kidney disease. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 21462-21467.	3.3	33
57	Pharmacological characterization of the P2 receptors profile in the podocytes of the freshly isolated rat glomeruli. American Journal of Physiology - Cell Physiology, 2013, 305, C1050-C1059.	2.1	32
58	A mutation affecting polycystin-1 mediated heterotrimeric G-protein signaling causes PKD. Human Molecular Genetics, 2018, 27, 3313-3324.	1.4	31
59	Real-time electrochemical detection of ATP and H₂O₂release in freshly isolated kidneys. American Journal of Physiology - Renal Physiology, 2013, 305, F134-F141.	1.3	30
60	Acetylation Stimulates the Epithelial Sodium Channel by Reducing Its Ubiquitination and Degradation. Journal of Biological Chemistry, 2015, 290, 12497-12503.	1.6	29
61	Role and mechanisms of regulation of the basolateral K_{ir}4.1/K_{ir}5.1K⁺channels in the distal tubules. Acta Physiologica, 2017, 219, 260-273.	1.8	29
62	Peroxisome Proliferator-Activated Receptor Î³ Antagonists Decrease Na⁺Transport via the Epithelial Na⁺Channel. Molecular Pharmacology, 2009, 76, 1333-1340.	1.0	28
63	Actin cytoskeleton disassembly affects conductive properties of stretch-activated cation channels in leukaemia cells. Biochimica Et Biophysica Acta - Biomembranes, 2005, 1669, 53-60.	1.4	26
64	Mechanosensory and ATP Release Deficits following Keratin14-Cre-Mediated TRPA1 Deletion Despite Absence of TRPA1 in Murine Keratinocytes. PLoS ONE, 2016, 11, e0151602.	1.1	24
65	Salt-deficient diet exacerbates cystogenesis in ARPKD via epithelial sodium channel (ENaC). EBioMedicine, 2019, 40, 663-674.	2.7	24
66	Recording Ion Channels in Isolated, Split-Opened Tubules. Methods in Molecular Biology, 2013, 998, 341-353.	0.4	24
67	The actin cytoskeleton and small G protein RhoA are not involved in flow-dependent activation of ENaC. BMC Research Notes, 2010, 3, 210.	0.6	23
68	Role of adaptor protein p66Shc in renal pathologies. American Journal of Physiology - Renal Physiology, 2018, 314, F143-F153.	1.3	23
69	EGF and its related growth factors mediate sodium transport in mpkCCD_{c14} cells via ErbB2 (neu/HERâ€2) receptor. Journal of Cellular Physiology, 2010, 223, 252-259.	2.0	22
70	Cross-talk between insulin and IGF-1 receptors in the cortical collecting duct principal cells: implication for ENaC-mediated Na+ reabsorption. American Journal of Physiology - Renal Physiology, 2015, 308, F713-F719.	1.3	22
71	Single-Channel Analysis of TRPC Channels in the Podocytes of Freshly Isolated Glomeruli. Methods in Molecular Biology, 2013, 998, 355-369.	0.4	22
72	Single-channel Analysis and Calcium Imaging in the Podocytes of the Freshly Isolated Glomeruli. Journal of Visualized Experiments, 2015, , e52850.	0.2	21

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73	Characterization of purinergic receptor expression in ARPKD cystic epithelia. Purinergic Signalling, 2018, 14, 485-497.	1.1	21
74	Visualization and quantification of mitochondrial structure in the endothelium of intact arteries. Cardiovascular Research, 2019, 115, 1546-1556.	1.8	21
75	Expression, localization, and functional properties of inwardly rectifying K⁺channels in the kidney. American Journal of Physiology - Renal Physiology, 2020, 318, F332-F337.	1.3	21
76	NOX4â€dependent regulation of ENaC in hypertension and diabetic kidney disease. FASEB Journal, 2020, 34, 13396-13408.	0.2	21
77	NSAIDs acutely inhibit TRPC channels in freshly isolated rat glomeruli. Biochemical and Biophysical Research Communications, 2011, 408, 242-247.	1.0	20
78	Arp2/3 complex inhibitors adversely affect actin cytoskeleton remodeling in the cultured murine kidney collecting duct M-1 cells. Cell and Tissue Research, 2013, 354, 783-792.	1.5	20
79	Ion channels and transporters in diabetic kidney disease. Current Topics in Membranes, 2019, 83, 353-396.	0.5	20
80	Mechanosensitive cation channels in human leukaemia cells: calcium permeation and blocking effect. Journal of Physiology, 2002, 541, 81-90.	1.3	19
81	Impaired epithelial Na+ channel activity contributes to cystogenesis and development of autosomal recessive polycystic kidney disease in PCK rats. Pediatric Research, 2015, 77, 64-69.	1.1	19
82	Acute In Vivo Analysis of ATP Release in Rat Kidneys in Response to Changes of Renal Perfusion Pressure. Journal of the American Heart Association, 2017, 6, .	1.6	18
83	Genetic mutation of <i>Kcnj16</i> identifies Kir5.1â€containing channels as key regulators of acute and chronic pH homeostasis. FASEB Journal, 2019, 33, 5067-5075.	0.2	18
84	Accelerated lysine metabolism conveys kidney protection in salt-sensitive hypertension. Nature Communications, 2022, 13, .	5.8	18
85	Giant multimodal heart motoneurons of Achatina fulica: a new cardioregulatory input in pulmonates. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2001, 130, 183-196.	0.8	17
86	Regulation of Polycystin-1 Function by Calmodulin Binding. PLoS ONE, 2016, 11, e0161525.	1.1	17
87	Renal sodium transport in renin-deficient Dahl salt-sensitive rats. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2016, 17, 147032031665385.	1.0	17
88	Î²1Pix exchange factor stabilizes the ubiquitin ligase Nedd4-2 and plays a critical role in ENaC regulation by AMPK in kidney epithelial cells. Journal of Biological Chemistry, 2018, 293, 11612-11624.	1.6	17
89	Distal tubule basolateral potassium channels. Current Opinion in Nephrology and Hypertension, 2018, 27, 373-378.	1.0	17
90	Effects of uric acid dysregulation on the kidney. American Journal of Physiology - Renal Physiology, 2020, 318, F1252-F1257.	1.3	17

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91	Role of opioid signaling in kidney damage during the development of salt-induced hypertension. Life Science Alliance, 2020, 3, e202000853.	1.3	17
92	SGLT2 inhibition effect on salt-induced hypertension, RAAS, and Na⁺ transport in Dahl SS rats. American Journal of Physiology - Renal Physiology, 2022, 322, F692-F707.	1.3	17
93	Functional Reconstitution of the Human Epithelial Na+ Channel in a Mammalian Expression System. , 2006, 337, 3-13.		16
94	Intravital imaging of the kidney in a rat model of salt-sensitive hypertension. American Journal of Physiology - Renal Physiology, 2017, 313, F163-F173.	1.3	16
95	Lack of Effects of Metformin and AICAR Chronic Infusion on the Development of Hypertension in Dahl Salt-Sensitive Rats. Frontiers in Physiology, 2017, 8, 227.	1.3	16
96	Postprandial Effects on ENaC-Mediated Sodium Absorption. Scientific Reports, 2019, 9, 4296.	1.6	16
97	K ir 5. 1â€dependent CO 2 /H + â€sensitive currents contribute to astrocyte heterogeneity across brain regions. Glia, 2021, 69, 310-325.	2.5	15
98	Regulation of ENaC-Mediated Sodium Reabsorption by Peroxisome Proliferator-Activated Receptors. PPAR Research, 2010, 2010, 1-9.	1.1	14
99	Nitric oxide production by glomerular podocytes. Nitric Oxide - Biology and Chemistry, 2018, 72, 24-31.	1.2	14
100	Kcnj16 knockout produces audiogenic seizures in the Dahl salt-sensitive rat. JCI Insight, 2021, 6, .	2.3	14
101	Inhibition of ENaC by Endothelin-1. Vitamins and Hormones, 2015, 98, 155-187.	0.7	13
102	Functional and therapeutic importance of purinergic signaling in polycystic kidney disease. American Journal of Physiology - Renal Physiology, 2016, 311, F1135-F1139.	1.3	13
103	Role of Î²Pix in the Kidney. Frontiers in Physiology, 2012, 3, 154.	1.3	12
104	Role of Rho GDP Dissociation Inhibitor Î± in Control of Epithelial Sodium Channel (ENaC)-mediated Sodium Reabsorption. Journal of Biological Chemistry, 2014, 289, 28651-28659.	1.6	12
105	Magnesium permeation through mechanosensitive channels: single-current measurements. Cell Research, 2006, 16, 723-730.	5.7	11
106	Use of Enzymatic Biosensors to Quantify Endogenous ATP or H₂O₂ in the Kidney. Journal of Visualized Experiments, 2015, , .	0.2	11
107	Inactivation of p66Shc Decreases Afferent Arteriolar KATP Channel Activity and Decreases Renal Damage in Diabetic Dahl SS Rats. Diabetes, 2018, 67, 2206-2212.	0.3	11
108	Relationship between the reninâ€"angiotensinâ€"aldosterone system and renal Kir5.1 channels. Clinical Science, 2019, 133, 2449-2461.	1.8	11

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109	Intrinsic Voltage Dependence of the Epithelial Na+ Channel Is Masked by a Conserved Transmembrane Domain Tryptophan. Journal of Biological Chemistry, 2009, 284, 25512-25521.	1.6	10
110	Implementing Patch Clamp and Live Fluorescence Microscopy to Monitor Functional Properties of Freshly Isolated PKD Epithelium. Journal of Visualized Experiments, 2015, , .	0.2	10
111	Characterization of purinergic receptor 2 signaling in podocytes from diabetic kidneys. IScience, 2021, 24, 102528.	1.9	10
112	Kir5.1 channels: potential role in epilepsy and seizure disorders. American Journal of Physiology - Cell Physiology, 2022, 323, C706-C717.	2.1	10
113	Chronic cathepsin inhibition by E-64 in Dahl salt-sensitive rats. Physiological Reports, 2016, 4, e12950.	0.7	9
114	The normal increase in insulin after a meal may be required to prevent postprandial renal sodium and volume losses. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 312, R965-R972.	0.9	9
115	Vibrodissociation method for isolation of defined nephron segments from human and rodent kidneys. American Journal of Physiology - Renal Physiology, 2019, 317, F1398-F1403.	1.3	9
116	TRPC6 in diabetic kidney disease: good guy or bad guy?. Kidney International, 2019, 95, 256-258.	2.6	9
117	Loss of Chloride Channel 6 (CLC-6) Affects Vascular Smooth Muscle Contractility and Arterial Stiffness via Alterations to Golgi Calcium Stores. Hypertension, 2021, 77, 582-593.	1.3	9
118	Cytoskeleton Rearrangements Modulate TRPC6 Channel Activity in Podocytes. International Journal of Molecular Sciences, 2021, 22, 4396.	1.8	9
119	The function of SH2B3 (LNK) in the kidney. American Journal of Physiology - Renal Physiology, 2016, 311, F682-F685.	1.3	8
120	Crosstalk between epithelial sodium channels (<scp>ENaC)</scp> and basolateral potassium channels (K_{ir}4.1/K_{ir}5.1) in the cortical collecting duct. British Journal of Pharmacology, 2022, 179, 2953-2968.	2.7	8
121	Effects of elevation of ANP and its deficiency on cardiorenal function. JCI Insight, 2022, 7, .	2.3	8
122	Increased ENaC activity during kidney preservation in Wisconsin solution. BMC Nephrology, 2019, 20, 145.	0.8	7
123	Sexual dimorphism in the progression of type 2 diabetic kidney disease in T2DN rats. Physiological Genomics, 2021, 53, 223-234.	1.0	7
124	Subunit-dependent cadmium and nickel inhibition of acid-sensing ion channels. Journal of Neurobiology, 2007, 67, 97-107.	3.7	7
125	VU6036720: The First Potent and Selective In Vitro Inhibitor of Heteromeric Kir4.1/5.1 Inward Rectifier Potassium Channels. Molecular Pharmacology, 2022, 101, 357-370.	1.0	7
126	Hypertension and Diabetes Mellitus. Hypertension, 2017, 69, 787-788.	1.3	6

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127	Endothelin receptor A and p66Shc regulate spontaneous Ca²⁺oscillations in smooth muscle cells controlling renal arterial spontaneous motion. FASEB Journal, 2019, 33, 2636-2645.	0.2	6
128	p66Shc-mediated hydrogen peroxide production impairs nephrogenesis causing reduction of number of glomeruli. Life Sciences, 2021, 279, 119661.	2.0	6
129	Astrocytic responses to high glucose impair barrier formation in cerebral microvessel endothelial cells. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2022, 322, R571-R580.	0.9	6
130	Two-photon imaging of endothelin-1-mediated intracellular Ca 2+ handling in smooth muscle cells of rat renal resistance arteries. Life Sciences, 2016, 159, 140-143.	2.0	5
131	Selective Phosphodiesterase 1 Inhibitor BTTQ Reduces Blood Pressure in Spontaneously Hypertensive and Dahl Salt Sensitive Rats: Role of Peripheral Vasodilation. Frontiers in Physiology, 2020, 11, 543727.	1.3	5
132	Epac1â€“/â€“ and Epac2â€“/â€“ mice exhibit deficient epithelial Na+ channel regulation and impaired urinary Na+ conservation. JCI Insight, 2022, 7, .	2.3	5
133	Acute and long-term effects of cannabinoids on hypertension and kidney injury. Scientific Reports, 2022, 12, 6080.	1.6	5
134	Muscarinic M1 modulation of acid-sensing ion channels. NeuroReport, 2009, 20, 1386-1391.	0.6	4
135	Postprandial effects on electrolyte homeostasis in the kidney. American Journal of Physiology - Renal Physiology, 2019, 317, F1405-F1408.	1.3	4
136	Behavioral, metabolic, and renal outcomes of 1-month isolation in adolescent male Dahl salt-sensitive rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 319, R684-R689.	0.9	4
137	Oâ€™Brien Kidney Research Centers. American Journal of Physiology - Renal Physiology, 2020, 319, F1042-F1042.	1.3	4
138	Mechanisms of epithelial sodium channel (ENaC) regulation by cortactin: Involvement of dynamin. Cell and Tissue Biology, 2012, 6, 52-59.	0.2	3
139	Two-photon Imaging of Intracellular Ca²⁺ Handling and Nitric Oxide Production in Endothelial and Smooth Muscle Cells of an Isolated Rat Aorta. Journal of Visualized Experiments, 2015, , e52734.	0.2	3
140	Scanning ion conductance microscopy of live human glomerulus. Journal of Cellular and Molecular Medicine, 2021, 25, 4216-4219.	1.6	3
141	Angiotensin II Dependent Regulation of TRPC6 Calcium Channels in the Podocytes of the STZâ€induced Type 1 Diabetic Dahl SS Rats. FASEB Journal, 2015, 29, 964.1.	0.2	3
142	Detection of endogenous substances with enzymatic microelectrode biosensors in the kidney. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 305, R89-R91.	0.9	2
143	SGLT2 inhibitors: diabetic kidney disease and beyond. American Journal of Physiology - Renal Physiology, 2020, 319, F780-F781.	1.3	2
144	Contribution of K_{ir}4.1/K_{ir}5.1 Channels to the Control of ENaCâ€Mediated Apical Sodium Transport in the Cortical Collecting Duct. FASEB Journal, 2020, 34, 1-1.	0.2	2

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145	Changing the Trajectory of Heart Failure and Kidney Disease. Clinical Journal of the American Society of Nephrology: CJASN, 2022, , CJN.00470122.	2.2	2
146	Regulation of the epithelial sodium channels (ENaC) by small G proteins and phosphatidylinositides. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2009, 3, 261-274.	0.3	1
147	Aldosterone-dependent<i>trans</i>-activation and epigenetic derepression of ENaC: where is the balance?. American Journal of Physiology - Renal Physiology, 2013, 305, F968-F969.	1.3	1
148	Fundamentals of Epithelial Na+ Absorption. , 2016, , 49-94.		1
149	<i>American Journal of Physiology-Renal Physiology</i> Collections: Hypertension. American Journal of Physiology - Renal Physiology, 2020, 319, F1001-F1002.	1.3	1
150	The Mechanisms of Cellular Plasticity in Collecting Duct Cells: Intermediate Cell Type and Notch-mediated Transdifferentiation. Function, 2021, 2, zqab032.	1.1	1
151	Role of collecting duct principal cell NOS1Î² in sodium and potassium homeostasis. Physiological Reports, 2021, 9, e15080.	0.7	1
152	Gâ€proteinâ€coupled receptor (GPCR) regulation of acidâ€sensing ion channel 1a. FASEB Journal, 2007, 21, A1405.	0.2	1
153	Realâ€time electrochemical detection of endogenous substance release in freshly isolated organs. FASEB Journal, 2013, 27, 910.16.	0.2	1
154	Evidence of Progressive Brainstem Pathology after Repeated Seizure Exposure in a Novel Rat Model of SUDEP. FASEB Journal, 2020, 34, 1-1.	0.2	1
155	Potential Role of cGASâ€STING Pathway in the Induction of Diabetic Kidney Disease. FASEB Journal, 2020, 34, 1-1.	0.2	1
156	The Protective Effects of Ketodiet in Saltâ€Sensitive Hypertension. FASEB Journal, 2020, 34, 1-1.	0.2	1
157	Single Nuclear RNA Sequencing Reveals Activation of Neuroinflammation Within the Preâ€BÃ¶tzinger Complex Following Repeated Seizures. FASEB Journal, 2022, 36, .	0.2	1
158	Regulation of the epithelial sodium channels by small G-proteins and phosphatidylinositides. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2009, 3, 335-335.	0.3	0
159	Mechanisms of non-steroid anti-inflammatory drugs action on acid-sensing ion channels of hippocampal interneurons. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2009, 3, 306-306.	0.3	0
160	Regulation of TRPC6 channels by non-steroidal anti-inflammatory drugs. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2012, 6, 265-272.	0.3	0
161	PC and PKC: in vivo vs. in vitro. American Journal of Physiology - Renal Physiology, 2014, 306, F507-F508.	1.3	0
162	To cleave or not to cleave: role of ADAM17 in cell proliferation in PKD. American Journal of Physiology - Renal Physiology, 2014, 307, F658-F659.	1.3	0

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163	High salt diet and caffeine: food for thought. Journal of Thoracic Disease, 2016, 8, E1410-E1412.	0.6	0
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