

Alexander Staruschenko

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

195
papers

3,537
citations

38
h-index

51
g-index

250
ext. papers

4,236
ext. citations

3.9
avg, IF

5.61
L-index

#	Paper	IF	Citations
195	Effects of elevation of ANP and its deficiency on cardiorenal function.. <i>JCI Insight</i> , 2022 ,	9.9	1
194	Acute and long-term effects of cannabinoids on hypertension and kidney injury.. <i>Scientific Reports</i> , 2022 , 12, 6080	4.9	1
193	Role of collecting duct principal cell NOS1 in sodium and potassium homeostasis. <i>Physiological Reports</i> , 2021 , 9, e15080	2.6	0
192	Scanning ion conductance microscopy of live human glomerulus. <i>Journal of Cellular and Molecular Medicine</i> , 2021 , 25, 4216-4219	5.6	1
191	Defects in KCNJ16 Cause a Novel Tubulopathy with Hypokalemia, Salt Wasting, Disturbed Acid-Base Homeostasis, and Sensorineural Deafness. <i>Journal of the American Society of Nephrology: JASN</i> , 2021 , 32, 1498-1512	12.7	9
190	Characterization of purinergic receptor 2 signaling in podocytes from diabetic kidneys. <i>IScience</i> , 2021 , 24, 102528	6.1	2
189	Sexual dimorphism in the progression of type 2 diabetic kidney disease in T2DN rats. <i>Physiological Genomics</i> , 2021 , 53, 223-234	3.6	1
188	K 5.1-dependent CO ₂ /H ⁺ -sensitive currents contribute to astrocyte heterogeneity across brain regions. <i>Glia</i> , 2021 , 69, 310-325	9	10
187	The Mechanisms of Cellular Plasticity in Collecting Duct Cells: Intermediate Cell Type and Notch-mediated Transdifferentiation. <i>Function</i> , 2021 , 2, zqab032	6.1	
186	Kcnj16 knockout produces audiogenic seizures in the Dahl salt-sensitive rat. <i>JCI Insight</i> , 2021 , 6,	9.9	2
185	Loss of Chloride Channel 6 (CLC-6) Affects Vascular Smooth Muscle Contractility and Arterial Stiffness via Alterations to Golgi Calcium Stores. <i>Hypertension</i> , 2021 , 77, 582-593	8.5	0
184	p66Shc-mediated hydrogen peroxide production impairs nephrogenesis causing reduction of number of glomeruli. <i>Life Sciences</i> , 2021 , 279, 119661	6.8	2
183	Behavioral, metabolic, and renal outcomes of 1-month isolation in adolescent male Dahl salt-sensitive rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020 , 319, R684-R689	3.2	1
182	Effects of uric acid dysregulation on the kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 318, F1252-F1257	4.3	4
181	Fundamentals of Epithelial Na ⁺ Absorption. <i>Physiology in Health and Disease</i> , 2020 , 291-336	0.2	
180	Metabolic rewiring of the hypertensive kidney. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
179	Selective Phosphodiesterase 1 Inhibitor LY1 Reduces Blood Pressure in Spontaneously Hypertensive and Dahl Salt Sensitive Rats. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	

178	The Role of Xanthine Dehydrogenase (XDH) and Uric Acid in the Kidney Development and Renal Injury. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
177	Role of Kir4.1 (Kcnj10) in the Regulation of Salt-Induced Hypertension. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
176	Potential Role of cGAS-STING Pathway in the Induction of Diabetic Kidney Disease. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
175	Fructose Consumption Increases Blood Pressure and Induces Changes in Renal Microvascular Function. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
174	Sex Hormones and Development of Advanced Diabetic Nephropathy in Diabetic Kidney Disease. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
173	Knockout of Per1 Exacerbates the Hypertensive Phenotype of the Dahl Salt Sensitive Rat. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
172	Type 1 Diabetes Results in Significant Purinergic Receptor Remodeling in Podocytes. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
171	The Protective Effects of Ketodiet in Salt-Sensitive Hypertension. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
170	Role of opioid signaling in kidney damage during the development of salt-induced hypertension. <i>Life Science Alliance</i> , 2020 , 3,	5.8	3
169	The Role of Opioid Receptors in Podocyte Injury and Kidney Damage During the Development of Salt-Induced Hypertension. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
168	Evidence of Progressive Brainstem Pathology after Repeated Seizure Exposure in a Novel Rat Model of SUDEP. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
167	Contribution of Kir4.1/Kir5.1 Channels to the Control of ENaC-Mediated Apical Sodium Transport in the Cortical Collecting Duct. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	1
166	Expression, localization, and functional properties of inwardly rectifying K channels in the kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 318, F332-F337	4.3	8
165	Selective Phosphodiesterase 1 Inhibitor BTTQ Reduces Blood Pressure in Spontaneously Hypertensive and Dahl Salt Sensitive Rats: Role of Peripheral Vasodilation. <i>Frontiers in Physiology</i> , 2020 , 11, 543727	4.6	4
164	Cardiorenal Protection With the Newer Antidiabetic Agents in Patients With Diabetes and Chronic Kidney Disease: A Scientific Statement From the American Heart Association. <i>Circulation</i> , 2020 , 142, e265-e286	16.7	37
163	NOX4-dependent regulation of ENaC in hypertension and diabetic kidney disease. <i>FASEB Journal</i> , 2020 , 34, 13396-13408	0.9	6
162	Progression of diabetic kidney disease in T2DN rats. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 317, F1450-F1461	4.3	16
161	Postprandial effects on electrolyte homeostasis in the kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 317, F1405-F1408	4.3	3

160	TRPC6 in diabetic kidney disease: good guy or bad guy?. <i>Kidney International</i> , 2019 , 95, 256-258	9.9	7
159	Role of TRPC6 in Progression of Diabetic Kidney Disease. <i>Current Hypertension Reports</i> , 2019 , 21, 48	4.7	23
158	Increased ENaC activity during kidney preservation in Wisconsin solution. <i>BMC Nephrology</i> , 2019 , 20, 145	2.7	4
157	Ion channels and transporters in diabetic kidney disease. <i>Current Topics in Membranes</i> , 2019 , 83, 353-396	2.2	12
156	Postprandial Effects on ENaC-Mediated Sodium Absorption. <i>Scientific Reports</i> , 2019 , 9, 4296	4.9	10
155	Vibrodissociation method for isolation of defined nephron segments from human and rodent kidneys. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 317, F1398-F1403	4.3	6
154	New Vibro-Dissociation Method for Isolation of Defined Nephron Segments and Small Renal Vessels. <i>FASEB Journal</i> , 2019 , 33, 748.10	0.9	
153	Metabolic Insults Drive the Development of Glomerular Sclerosis and Proteinuria in Salt-Sensitive Hypertensive Nephropathy. <i>FASEB Journal</i> , 2019 , 33, 571.3	0.9	
152	Kir5.1-Mediated Changes in Renin-Angiotensin-Aldosterone System Balance in Salt Sensitive Hypertension. <i>FASEB Journal</i> , 2019 , 33, 862.12	0.9	
151	Role of Nox4 in Angiotensin II-Mediated Changes in Volume Dynamics and Nitric Oxide Production in Podocytes. <i>FASEB Journal</i> , 2019 , 33, 575.1	0.9	
150	AVP-ANP Signaling Axis in Salt-Sensitive Hypertension. <i>FASEB Journal</i> , 2019 , 33, 750.2	0.9	
149	Postprandial Effects on ENaC-Mediated Sodium Absorption. <i>FASEB Journal</i> , 2019 , 33, 751.15	0.9	
148	Relationship between the renin-angiotensin-aldosterone system and renal Kir5.1 channels. <i>Clinical Science</i> , 2019 , 133, 2449-2461	6.5	3
147	Salt-deficient diet exacerbates cystogenesis in ARPKD via epithelial sodium channel (ENaC). <i>EBioMedicine</i> , 2019 , 40, 663-674	8.8	21
146	Metabolic rewiring of the hypertensive kidney. <i>Science Signaling</i> , 2019 , 12,	8.8	16
145	Visualization and quantification of mitochondrial structure in the endothelium of intact arteries. <i>Cardiovascular Research</i> , 2019 , 115, 1546-1556	9.9	8
144	Genetic mutation of Kcnj16 identifies Kir5.1-containing channels as key regulators of acute and chronic pH homeostasis. <i>FASEB Journal</i> , 2019 , 33, 5067-5075	0.9	10
143	Endothelin receptor A and p66Shc regulate spontaneous Ca oscillations in smooth muscle cells controlling renal arterial spontaneous motion. <i>FASEB Journal</i> , 2019 , 33, 2636-2645	0.9	5

142	Beneficial Effects of High Potassium: Contribution of Renal Basolateral K Channels. <i>Hypertension</i> , 2018 , 71, 1015-1022	8.5	17
141	Role of adaptor protein p66Shc in renal pathologies. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 314, F143-F153	4.3	18
140	Protective role of Trpc6 knockout in the progression of diabetic kidney disease. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 315, F1091-F1097	4.3	35
139	Inactivation of p66Shc Decreases Afferent Arteriolar K Channel Activity and Decreases Renal Damage in Diabetic Dahl SS Rats. <i>Diabetes</i> , 2018 , 67, 2206-2212	0.9	9
138	Bix exchange factor stabilizes the ubiquitin ligase Nedd4-2 and plays a critical role in ENaC regulation by AMPK in kidney epithelial cells. <i>Journal of Biological Chemistry</i> , 2018 , 293, 11612-11624	5.4	13
137	Distal tubule basolateral potassium channels: cellular and molecular mechanisms of regulation. <i>Current Opinion in Nephrology and Hypertension</i> , 2018 , 27, 373-378	3.5	11
136	Region-Based Convolutional Neural Nets for Localization of Glomeruli in Trichrome-Stained Whole Kidney Sections. <i>Journal of the American Society of Nephrology: JASN</i> , 2018 , 29, 2081-2088	12.7	58
135	Knockout of Kcnj16 (Kir5.1) in Dahl Salt-Sensitive Rats Produces Seizure Phenotype. <i>FASEB Journal</i> , 2018 , 32, 750.3	0.9	
134	The Protective Effects of Atrial Natriuretic Peptide Infusion in Salt-Sensitive Hypertension. <i>FASEB Journal</i> , 2018 , 32, 619.2	0.9	
133	Acute and Chronic Respiratory Effects from Repeated Audiogenic Seizures in SSKcnj16 ^{-/-} Rats. <i>FASEB Journal</i> , 2018 , 32, 894.14	0.9	
132	L-lysine Control of Albumin Reabsorption by the Renal Proximal Tubule Prevents the Development of Salt-Sensitive Hypertension. <i>FASEB Journal</i> , 2018 , 32, 716.5	0.9	
131	The Effect of Voltage-Sensitive Chloride Channel 6 on Development of Salt-Sensitive Hypertension. <i>FASEB Journal</i> , 2018 , 32, 750.23	0.9	
130	Purinergic Receptors Profile in the ARPKD Cystic Epithelia. <i>FASEB Journal</i> , 2018 , 32, 624.4	0.9	
129	Bix Stabilizes Nedd4-2 and Plays a Critical Role in ENaC Regulation by AMPK in Kidney Epithelial Cells. <i>FASEB Journal</i> , 2018 , 32, 747.9	0.9	
128	Kcnj10 (Kir 4.1) Knockout in Dahl SS Rats Determines the Expression of Kcnj10 and Kcnj16 Proteins in Brain and Kidney. <i>FASEB Journal</i> , 2018 , 32, 620.3	0.9	
127	High Salt Diet Induces a Rapid Increase in Blood Pressure and Mortality in the Renin ^{-/-} Dahl SS Rats. <i>FASEB Journal</i> , 2018 , 32, 904.4	0.9	
126	Nitric oxide production by glomerular podocytes. <i>Nitric Oxide - Biology and Chemistry</i> , 2018 , 72, 24-31	5	8
125	Characterization of purinergic receptor expression in ARPKD cystic epithelia. <i>Purinergic Signalling</i> , 2018 , 14, 485-497	3.8	12

124	A NOX4/TRPC6 Pathway in Podocyte Calcium Regulation and Renal Damage in Diabetic Kidney Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2018 , 29, 1917-1927	12.7	64
123	A mutation affecting polycystin-1 mediated heterotrimeric G-protein signaling causes PKD. <i>Human Molecular Genetics</i> , 2018 , 27, 3313-3324	5.6	20
122	Role and mechanisms of regulation of the basolateral K 4.1/K 5.1K channels in the distal tubules. <i>Acta Physiologica</i> , 2017 , 219, 260-273	5.6	19
121	Intravital imaging of the kidney in a rat model of salt-sensitive hypertension. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 313, F163-F173	4.3	12
120	Involvement of ENaC in the development of salt-sensitive hypertension. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 313, F135-F140	4.3	49
119	The Role of Angiotensin II in Glomerular Volume Dynamics and Podocyte Calcium Handling. <i>Scientific Reports</i> , 2017 , 7, 299	4.9	32
118	The normal increase in insulin after a meal may be required to prevent postprandial renal sodium and volume losses. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017 , 312, R965-R972	3.2	9
117	Acute In Vivo Analysis of ATP Release in Rat Kidneys in Response to Changes of Renal Perfusion Pressure. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	15
116	Essential role of Kir5.1 channels in renal salt handling and blood pressure control. <i>JCI Insight</i> , 2017 , 2,	9.9	48
115	Lack of Effects of Metformin and AICAR Chronic Infusion on the Development of Hypertension in Dahl Salt-Sensitive Rats. <i>Frontiers in Physiology</i> , 2017 , 8, 227	4.6	11
114	Chronic cathepsin inhibition by E-64 in Dahl salt-sensitive rats. <i>Physiological Reports</i> , 2016 , 4, e12950	2.6	7
113	Two-photon imaging of endothelin-1-mediated intracellular Ca(2+) handling in smooth muscle cells of rat renal resistance arteries. <i>Life Sciences</i> , 2016 , 159, 140-143	6.8	4
112	Evidence of the Importance of Nox4 in Production of Hypertension in Dahl Salt-Sensitive Rats. <i>Hypertension</i> , 2016 , 67, 440-50	8.5	63
111	Fundamentals of Epithelial Na+ Absorption 2016 , 49-94		1
110	p66Shc regulates renal vascular tone in hypertension-induced nephropathy. <i>Journal of Clinical Investigation</i> , 2016 , 126, 2533-46	15.9	28
109	High salt diet and caffeine: food for thought. <i>Journal of Thoracic Disease</i> , 2016 , 8, E1410-E1412	2.6	
108	Mechanosensory and ATP Release Deficits following Keratin14-Cre-Mediated TRPA1 Deletion Despite Absence of TRPA1 in Murine Keratinocytes. <i>PLoS ONE</i> , 2016 , 11, e0151602	3.7	19
107	Regulation of Polycystin-1 Function by Calmodulin Binding. <i>PLoS ONE</i> , 2016 , 11, e0161525	3.7	15

106	Functional and therapeutic importance of purinergic signaling in polycystic kidney disease. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 311, F1135-F1139	4.3	12
105	Insulin and IGF-1 activate Kir4.1/5.1 channels in cortical collecting duct principal cells to control basolateral membrane voltage. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 310, F311-21	4.3	26
104	The function of SH2B3 (LNK) in the kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 311, F682-F685	4.3	4
103	Protease-activated receptors in kidney disease progression. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 311, F1140-F1144	4.3	22
102	Renal sodium transport in renin-deficient Dahl salt-sensitive rats. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2016 , 17,	3	12
101	Cross-talk between insulin and IGF-1 receptors in the cortical collecting duct principal cells: implication for ENaC-mediated Na ⁺ reabsorption. <i>American Journal of Physiology - Renal Physiology</i> , 2015 , 308, F713-9	4.3	16
100	Inhibition of ENaC by endothelin-1. <i>Vitamins and Hormones</i> , 2015 , 98, 155-87	2.5	9
99	Impaired epithelial Na ⁺ channel activity contributes to cystogenesis and development of autosomal recessive polycystic kidney disease in PCK rats. <i>Pediatric Research</i> , 2015 , 77, 64-9	3.2	16
98	TRPC6 channel as an emerging determinant of the podocyte injury susceptibility in kidney diseases. <i>American Journal of Physiology - Renal Physiology</i> , 2015 , 309, F393-7	4.3	59
97	Podocyte injury in diabetic nephropathy: implications of angiotensin II-dependent activation of TRPC channels. <i>Scientific Reports</i> , 2015 , 5, 17637	4.9	65
96	Single-channel Analysis and Calcium Imaging in the Podocytes of the Freshly Isolated Glomeruli. <i>Journal of Visualized Experiments</i> , 2015 , e52850	1.6	15
95	Implementing Patch Clamp and Live Fluorescence Microscopy to Monitor Functional Properties of Freshly Isolated PKD Epithelium. <i>Journal of Visualized Experiments</i> , 2015 ,	1.6	6
94	Two-photon Imaging of Intracellular Ca ²⁺ Handling and Nitric Oxide Production in Endothelial and Smooth Muscle Cells of an Isolated Rat Aorta. <i>Journal of Visualized Experiments</i> , 2015 , e52734	1.6	3
93	Use of Enzymatic Biosensors to Quantify Endogenous ATP or H ₂ O ₂ in the Kidney. <i>Journal of Visualized Experiments</i> , 2015 ,	1.6	9
92	Acetylation stimulates the epithelial sodium channel by reducing its ubiquitination and degradation. <i>Journal of Biological Chemistry</i> , 2015 , 290, 12497-503	5.4	25
91	Utilizing a Type 1 Diabetic Nephropathy Model Developed on the Basis of Streptozotocin-Treated Dahl SS Rats for the Studies of Calcium Handling in the Podocytes. <i>FASEB Journal</i> , 2015 , 29, 964.2	0.9	
90	Mechanism of Angiotensin II - Mediated Changes in Glomeruli Permeability and Calcium Influx in Podocytes. <i>FASEB Journal</i> , 2015 , 29, 808.22	0.9	
89	Nox4-mediated and Hydrogen Peroxide Dependent Regulation of ENaC In Salt-Sensitive Hypertension. <i>FASEB Journal</i> , 2015 , 29, 811.23	0.9	

88	Role of Renal Interstitial ATP in Pressure Natriuresis/Diuresis Relationship. <i>FASEB Journal</i> , 2015 , 29, 811d.6		
87	The Regulatory Pathways of Nitric Oxide Production in Glomeruli Podocytes. <i>FASEB Journal</i> , 2015 , 29, 808.9	0.9	
86	Two-Photon Imaging of Intracellular Ca ²⁺ Handling and Nitric Oxide Production in Endothelial and Smooth Muscle Cells of Isolated Rat Vessels. <i>FASEB Journal</i> , 2015 , 29, 808.18	0.9	
85	Angiotensin II Dependent Regulation of TRPC6 Calcium Channels in the Podocytes of the STZ-induced Type 1 Diabetic Dahl SS Rats. <i>FASEB Journal</i> , 2015 , 29, 964.1	0.9	2
84	Role of Rho GDP dissociation inhibitor β in control of epithelial sodium channel (ENaC)-mediated sodium reabsorption. <i>Journal of Biological Chemistry</i> , 2014 , 289, 28651-9	5.4	10
83	Mutation of Plekha7 attenuates salt-sensitive hypertension in the rat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 12817-22	11.5	41
82	Angiotensin II has acute effects on TRPC6 channels in podocytes of freshly isolated glomeruli. <i>Kidney International</i> , 2014 , 86, 506-14	9.9	60
81	To cleave or not to cleave: role of ADAM17 in cell proliferation in PKD. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 307, F658-9	4.3	
80	Epoxyeicosatrienoic acid analogue lowers blood pressure through vasodilation and sodium channel inhibition. <i>Clinical Science</i> , 2014 , 127, 463-74	6.5	52
79	Direct activation of ENaC by angiotensin II: recent advances and new insights. <i>Current Hypertension Reports</i> , 2013 , 15, 17-24	4.7	41
78	Arp2/3 complex inhibitors adversely affect actin cytoskeleton remodeling in the cultured murine kidney collecting duct M-1 cells. <i>Cell and Tissue Research</i> , 2013 , 354, 783-92	4.2	16
77	ROS production as a common mechanism of ENaC regulation by EGF, insulin, and IGF-1. <i>American Journal of Physiology - Cell Physiology</i> , 2013 , 304, C102-11	5.4	43
76	Pharmacological characterization of the P2 receptors profile in the podocytes of the freshly isolated rat glomeruli. <i>American Journal of Physiology - Cell Physiology</i> , 2013 , 305, C1050-9	5.4	29
75	Epidermal growth factors in the kidney and relationship to hypertension. <i>American Journal of Physiology - Renal Physiology</i> , 2013 , 305, F12-20	4.3	26
74	Real-time electrochemical detection of ATP and H ₂ O ₂ release in freshly isolated kidneys. <i>American Journal of Physiology - Renal Physiology</i> , 2013 , 305, F134-41	4.3	29
73	Direct inhibition of basolateral Kir4.1/5.1 and Kir4.1 channels in the cortical collecting duct by dopamine. <i>American Journal of Physiology - Renal Physiology</i> , 2013 , 305, F1277-87	4.3	40
72	Regulation of ENaC in mice lacking renal insulin receptors in the collecting duct. <i>FASEB Journal</i> , 2013 , 27, 2723-32	0.9	34
71	Deficiency of renal cortical EGF increases ENaC activity and contributes to salt-sensitive hypertension. <i>Journal of the American Society of Nephrology: JASN</i> , 2013 , 24, 1053-62	12.7	58

70	Orally active epoxyeicosatrienoic acid analog attenuates kidney injury in hypertensive Dahl salt-sensitive rat. <i>Hypertension</i> , 2013 , 62, 905-13	8.5	47
69	Detection of endogenous substances with enzymatic microelectrode biosensors in the kidney. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013 , 305, R89-91	3.2	1
68	Recording ion channels in isolated, split-opened tubules. <i>Methods in Molecular Biology</i> , 2013 , 998, 341-53	1.4	17
67	Single-channel analysis of TRPC channels in the podocytes of freshly isolated Glomeruli. <i>Methods in Molecular Biology</i> , 2013 , 998, 355-69	1.4	18
66	The role of the Arp2/3 complex in the cytoskeleton organization and actin-mediated sodium reabsorption in kidney epithelial cells. <i>FASEB Journal</i> , 2013 , 27, 1145.8	0.9	
65	Renin knock out modulates sodium reabsorption in the Dahl salt-sensitive rats. <i>FASEB Journal</i> , 2013 , 27, 909.6	0.9	
64	Acute effects of angiotensin II on TRPC6 channels in the podocytes of the freshly isolated glomeruli. <i>FASEB Journal</i> , 2013 , 27, 913.46	0.9	
63	Pharmacological characterization of the P2 receptors profile in the podocytes of the Sprague Dawley rat glomeruli. <i>FASEB Journal</i> , 2013 , 27, 912.22	0.9	
62	Real-time electrochemical detection of endogenous substance release in freshly isolated organs. <i>FASEB Journal</i> , 2013 , 27, 910.16	0.9	0
61	Role of the epithelial Na ⁺ channels (ENaC) in development of ARPKD. <i>FASEB Journal</i> , 2013 , 27, 1148.1	0.9	
60	Regulation of TRPC6 Channels by Non-Steroidal Anti-Inflammatory Drugs. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2012 , 6, 265-272	0.7	
59	Regulation of transport in the connecting tubule and cortical collecting duct. <i>Comprehensive Physiology</i> , 2012 , 2, 1541-84	7.7	75
58	Mechanisms of epithelial sodium channel (ENaC) regulation by cortactin: Involvement of dynamin. <i>Cell and Tissue Biology</i> , 2012 , 6, 52-59	0.4	2
57	Role of Bix in the Kidney. <i>Frontiers in Physiology</i> , 2012 , 3, 154	4.6	12
56	Angiotensin II increases activity of the epithelial Na ⁺ channel (ENaC) in distal nephron additively to aldosterone. <i>Journal of Biological Chemistry</i> , 2012 , 287, 660-671	5.4	109
55	G-protein signaling modulator 1 deficiency accelerates cystic disease in an orthologous mouse model of autosomal dominant polycystic kidney disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 21462-7	11.5	24
54	Role of the epithelial sodium channel (ENaC) in the development of salt-sensitive hypertension. <i>FASEB Journal</i> , 2012 , 26, 867.8	0.9	
53	Crosstalk between insulin and IGF-1 receptors in principal cells: implication for ENaC-mediated sodium reabsorption. <i>FASEB Journal</i> , 2012 , 26, 1068.5	0.9	

52	EGF deficiency contributes to the development of salt-sensitive hypertension via upregulation of ENaC activity. <i>FASEB Journal</i> , 2012 , 26, 867-9	0.9	
51	Epidermal growth factor-mediated proliferation and sodium transport in normal and PKD epithelial cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2011 , 1812, 1301-13	6.9	49
50	NSAIDs acutely inhibit TRPC channels in freshly isolated rat glomeruli. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 408, 242-7	3.4	17
49	Cortical actin binding protein cortactin mediates ENaC activity via Arp2/3 complex. <i>FASEB Journal</i> , 2011 , 25, 2688-99	0.9	39
48	Novel role of Rac1/WAVE signaling mechanism in regulation of the epithelial Na ⁺ channel. <i>Hypertension</i> , 2011 , 57, 996-1002	8.5	29
47	Effects of cytochrome P-450 metabolites of arachidonic acid on the epithelial sodium channel (ENaC). <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 301, F672-81	4.3	45
46	Role of NSAIDs in regulation of TRPC channels in isolated rat glomeruli. <i>FASEB Journal</i> , 2011 , 25, 1041.1	0.9	
45	Novel role of Rac1/WAVE signaling mechanism in regulation of the epithelial Na ⁺ channel (ENaC). <i>FASEB Journal</i> , 2011 , 25, 1039.1	0.9	
44	EGF modulates ENaC-mediated sodium transport via RhoGDI and Rac1. <i>FASEB Journal</i> , 2011 , 25, 1042.6	0.9	
43	Intact cytoskeleton is required for small G protein dependent activation of the epithelial Na ⁺ channel. <i>PLoS ONE</i> , 2010 , 5, e8827	3.7	41
42	Contribution of TRPV1-TRPA1 interaction to the single channel properties of the TRPA1 channel. <i>Journal of Biological Chemistry</i> , 2010 , 285, 15167-15177	5.4	147
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