Alexander Staruschenko

List of Publications by Year
in descending order

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

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

#	Article	IF	Citations
1	Epac1â€“/â€“ and Epac2â€“/â€“ mice exhibit deficient epithelial Na+ channel regulation and impaired urinary Na+ conservation. JCI Insight, 2022, 7, .	2.3	5
2	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
3	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
4	Changing the Trajectory of Heart Failure and Kidney Disease. Clinical Journal of the American Society of Nephrology: CJASN, 2022, , CJN.00470122.	2.2	2
5	Effects of elevation of ANP and its deficiency on cardiorenal function. JCI Insight, 2022, 7, .	2.3	8
6	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
7	Acute and long-term effects of cannabinoids on hypertension and kidney injury. Scientific Reports, 2022, 12, 6080.	1.6	5
8	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
9	RASâ€mediated nitric oxide signaling in podocytes. FASEB Journal, 2022, 36, .	0.2	0
10	Global PER1 knockout Dahl Salt Sensitive rats show increased expression of renal Edn1 mRNA and Endothelinâ€1 peptide. FASEB Journal, 2022, 36, .	0.2	0
11	Effects of Potassium Supplementation and Kir7.1 Knockout on Renal Function During the Progression of Saltâ€Sensitive Hypertension. FASEB Journal, 2022, 36, .	0.2	0
12	Lack of Xdh Leads to Alterations in Reninâ€Angiotensinâ€Aldosterone System and Kidney Injury. FASEB Journal, 2022, 36, .	0.2	0
13	Application of Scanning Ion Conductance Microscopy in the Studies of Podocytes Morphological Changes. FASEB Journal, 2022, 36, .	0.2	0
14	Acute and Chronic Effects of Seizures on Cardiorespiratory Control in the SS ^{Kcnj16â€/â€} Rat. FASEB Journal, 2022, 36, .	0.2	0
15	Single Nuclear RNA Sequencing Reveals Activation of Neuroinflammation Within the Preâ€BÃ¶tzinger Complex Following Repeated Seizures. FASEB Journal, 2022, 36, .	0.2	1
16	Kir5.1 channels: potential role in epilepsy and seizure disorders. American Journal of Physiology - Cell Physiology, 2022, 323, C706-C717.	2.1	10
17	Accelerated lysine metabolism conveys kidney protection in salt-sensitive hypertension. Nature Communications, 2022, 13, .	5.8	18
18	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

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19	The Mechanisms of Cellular Plasticity in Collecting Duct Cells: Intermediate Cell Type and Notch-mediated Transdifferentiation. Function, 2021, 2, zqab032.	1.1	1
20	Kcnj16 knockout produces audiogenic seizures in the Dahl salt-sensitive rat. JCI Insight, 2021, 6, .	2.3	14
21	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
22	Scanning ion conductance microscopy of live human glomerulus. Journal of Cellular and Molecular Medicine, 2021, 25, 4216-4219.	1.6	3
23	Cytoskeleton Rearrangements Modulate TRPC6 Channel Activity in Podocytes. International Journal of Molecular Sciences, 2021, 22, 4396.	1.8	9
24	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
25	POS-395 P66SHC-MEDIATED H2O2 PRODUCTION IMPAIRS NEPHROGENESIS CAUSING REDUCTION OF NUMBER OF GLOMERULI. Kidney International Reports, 2021, 6, S170.	0.4	0
26	Remodeling of Purinergic Receptor 2 Signaling in Podocytes In Response to Diabetic Kidney Disease. FASEB Journal, 2021, 35, .	0.2	0
27	The Role of Acute and Longâ€Term Use of Cannabinoids on Hypertension and Kidney Injury. FASEB Journal, 2021, 35, .	0.2	0
28	Single Nuclear RNA Sequencing Reveals Activation of Neuroinflammation Within the Preâ€BÃ¶tzinger Complex Following Repeated Seizures. FASEB Journal, 2021, 35, .	0.2	0
29	A Potential Regulatory Role of Xanthine Dehydrogenase (XDH) in the Kidney Development and Damage. FASEB Journal, 2021, 35, .	0.2	0
30	Role of Basolateral K _{ir} 4.1/K _{ir} 5.1 Channel in the Regulation of Electrolyte Balance and ENaC Activity in the Cortical Collecting Duct. FASEB Journal, 2021, 35, .	0.2	0
31	Repeated Seizure Exposure in the SS ^{Kcnj16â€/â€} Rat Causes Progressive Respiratory Suppression and Associated Brainstem Pathology. FASEB Journal, 2021, 35, .	0.2	0
32	Characterization of purinergic receptor 2 signaling in podocytes from diabetic kidneys. IScience, 2021, 24, 102528.	1.9	10
33	Sexual dimorphism in the progression of type 2 diabetic kidney disease in T2DN rats. Physiological Genomics, 2021, 53, 223-234.	1.0	7
34	p66Shc-mediated hydrogen peroxide production impairs nephrogenesis causing reduction of number of glomeruli. Life Sciences, 2021, 279, 119661.	2.0	6
35	Abstract P245: Activation Of Protease-activated Receptors 1 Leads To Structural Changes In Immortalized Cultured Human Podocytes.. Hypertension, 2021, 78, .	1.3	0
36	Abstract MP35: Pharmacological Inhibition And Knockout Of K _{ir} 7.1 Does Not Affect The Development Of Salt-Sensitive Hypertension In The Dahl SS Rat. Hypertension, 2021, 78, .	1.3	0

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37	Abstract P242: The Role Of Kappa Opioid Receptors In The Development Of Hypertension And Kidney Injury In Sprague-Dawley Rats. Hypertension, 2021, 78, .	1.3	0
38	Role of collecting duct principal cell NOS1Î² in sodium and potassium homeostasis. Physiological Reports, 2021, 9, e15080.	0.7	1
39	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
40	SGLT2 inhibitors: diabetic kidney disease and beyond. American Journal of Physiology - Renal Physiology, 2020, 319, F780-F781.	1.3	2
41	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
42	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
43	SUN-098 MUTATION OF p66SHC IN RATS CAUSES INCREASED H2O2 PRODUCTION AND LEADS TO REDUCED NUMBER OF GLOMERULI. Kidney International Reports, 2020, 5, S241.	0.4	0
44	NOX4â€dependent regulation of ENaC in hypertension and diabetic kidney disease. FASEB Journal, 2020, 34, 13396-13408.	0.2	21
45	MO059CONTRIBUTION OF OPIOID RECEPTOR SIGNALING IN PODOCYTES TOWARDS THE DEVELOPMENT OF SALT-SENSITIVE HYPERTENSION AND KIDNEY INJURY. Nephrology Dialysis Transplantation, 2020, 35, .	0.4	0
46	American Journal of Physiology-Renal Physiology Collections: Hypertension. American Journal of Physiology - Renal Physiology, 2020, 319, F1001-F1002.	1.3	1
47	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
48	Effects of uric acid dysregulation on the kidney. American Journal of Physiology - Renal Physiology, 2020, 318, F1252-F1257.	1.3	17
49	SAT-165 INTRACELLULAR CALCIUM SIGNALING INÂPODOCYTES IN DIABETIC KIDNEY DISEASE. Kidney International Reports, 2020, 5, S71.	0.4	0
50	Oâ€™Brien Kidney Research Centers. American Journal of Physiology - Renal Physiology, 2020, 319, F1042-F1042.	1.3	4
51	Role of opioid signaling in kidney damage during the development of salt-induced hypertension. Life Science Alliance, 2020, 3, e202000853.	1.3	17
52	The Role of Opioid Receptors in Podocyte Injury and Kidney Damage During the Development of Saltâ€induced Hypertension. FASEB Journal, 2020, 34, 1-1.	0.2	0
53	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
54	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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55	Abstract MP09: Sex Differences And Development Of Advanced Diabetic Nephropathy In Type 2 Diabetic Nephropathy Rats. Hypertension, 2020, 76, .	1.3	0
56	Fundamentals of Epithelial Na+ Absorption. Physiology in Health and Disease, 2020, , 291-336.	0.2	0
57	Metabolic rewiring of the hypertensive kidney. FASEB Journal, 2020, 34, 1-1.	0.2	0
58	Selective Phosphodiesterase 1 Inhibitor LY1 Reduces Blood Pressure in Spontaneously Hypertensive and Dahl Salt Sensitive Rats. FASEB Journal, 2020, 34, 1-1.	0.2	0
59	The Role of Xanthine Dehydrogenase (XDH) and Uric Acid in the Kidney Development and Renal Injury. FASEB Journal, 2020, 34, 1-1.	0.2	0
60	Role of K_{ir}4.1 (Kcnj10) in the Regulation of Saltâ€Induced Hypertension. FASEB Journal, 2020, 34, 1-1.	0.2	0
61	Potential Role of cGASâ€STING Pathway in the Induction of Diabetic Kidney Disease. FASEB Journal, 2020, 34, 1-1.	0.2	1
62	Fructose Consumption Increases Blood Pressure and Induces Changes in Renal Microvascular Function. FASEB Journal, 2020, 34, 1-1.	0.2	0
63	Sex Hormones and Development of Advanced Diabetic Nephropathy in Diabetic Kidney Disease. FASEB Journal, 2020, 34, 1-1.	0.2	0
64	Knockout of Per1 Exacerbates the Hypertensive Phenotype of the Dahl Salt Sensitive Rat. FASEB Journal, 2020, 34, 1-1.	0.2	0
65	Type 1 Diabetes Results in Significant Purinergic Receptor Remodeling in Podocytes. FASEB Journal, 2020, 34, 1-1.	0.2	0
66	The Protective Effects of Ketodiet in Saltâ€Sensitive Hypertension. FASEB Journal, 2020, 34, 1-1.	0.2	1
67	Abstract 15: The Role Of Opioid Receptors In Podocytes In The Development Of Hypertension In Dahl Salt-sensitive Rats. Hypertension, 2020, 76, .	1.3	0
68	Abstract P056: Voltage-gated Chloride Channel 6 Regulates Intracellular Calcium Signaling In Vascular Smooth Muscle Cells And Prevents Arterial Stiffening. Hypertension, 2020, 76, .	1.3	0
69	Abstract P013: Role Of Kir4.1 (Kcnj10) In The Regulation Of Salt-Induced Hypertension. Hypertension, 2020, 76, .	1.3	0
70	Abstract P026: The Accumulation Of Lysine In The Kidney Cortex Protects From Proximal Tubule Damage And Salt-Sensitive Hypertension.. Hypertension, 2020, 76, .	1.3	0
71	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
72	FP230ROLE OF PROTEASE-ACTIVATED RECEPTORS IN REGULATION OF CALCIUM SIGNALING IN PODOCYTES IN TYPE 2 DIABETIC NEPHROPATHY. Nephrology Dialysis Transplantation, 2019, 34, .	0.4	0

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73	Progression of diabetic kidney disease in T2DN rats. American Journal of Physiology - Renal Physiology, 2019, 317, F1450-F1461.	1.3	34
74	Postprandial effects on electrolyte homeostasis in the kidney. American Journal of Physiology - Renal Physiology, 2019, 317, F1405-F1408.	1.3	4
75	TRPC6 in diabetic kidney disease: good guy or bad guy?. Kidney International, 2019, 95, 256-258.	2.6	9
76	Role of TRPC6 in Progression of Diabetic Kidney Disease. Current Hypertension Reports, 2019, 21, 48.	1.5	45
77	Increased ENaC activity during kidney preservation in Wisconsin solution. BMC Nephrology, 2019, 20, 145.	0.8	7
78	Ion channels and transporters in diabetic kidney disease. Current Topics in Membranes, 2019, 83, 353-396.	0.5	20
79	Postprandial Effects on ENaC-Mediated Sodium Absorption. Scientific Reports, 2019, 9, 4296.	1.6	16
80	Salt-deficient diet exacerbates cystogenesis in ARPKD via epithelial sodium channel (ENaC). EBioMedicine, 2019, 40, 663-674.	2.7	24
81	Metabolic rewiring of the hypertensive kidney. Science Signaling, 2019, 12, .	1.6	40
82	Visualization and quantification of mitochondrial structure in the endothelium of intact arteries. Cardiovascular Research, 2019, 115, 1546-1556.	1.8	21
83	Genetic mutation of Kcnj16 identifies Kir5.1â€containing channels as key regulators of acute and chronic pH homeostasis. FASEB Journal, 2019, 33, 5067-5075.	0.2	18
84	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
85	Relationship between the reninâ€“angiotensinâ€“aldosterone system and renal Kir5.1 channels. Clinical Science, 2019, 133, 2449-2461.	1.8	11
86	New Vibroâ€Dissociation Method for Isolation of Defined Nephron Segments and Small Renal Vessels. FASEB Journal, 2019, 33, 748.10.	0.2	0
87	Metabolic Insults Drive the Development of Glomerular Sclerosis and Proteinuria in Saltâ€Sensitive Hypertensive Nephropathy. FASEB Journal, 2019, 33, 571.3.	0.2	0
88	Kir5.1â€Mediated Changes in Reninâ€Angiotensinâ€Aldosterone System Balance in Salt Sensitive Hypertension. FASEB Journal, 2019, 33, 862.12.	0.2	0
89	Role of Nox4 in Angiotensin IIâ€Mediated Changes in Volume Dynamics and Nitric Oxide Production in Podocytes. FASEB Journal, 2019, 33, 575.1.	0.2	0
90	AVPâ€ANP Signaling Axis in Saltâ€Sensitive Hypertension. FASEB Journal, 2019, 33, 750.2.	0.2	0

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91	Sex Differences in the Progression of Type 2 Diabetic Nephropathy. FASEB Journal, 2019, 33, .	0.2	0
92	Postprandial Effects on ENaCâ€Mediated Sodium Absorption. FASEB Journal, 2019, 33, 751.15.	0.2	0
93	Abstract 133: The Role of Xanthine Dehydrogenase (XDH) and Uric Acid in Renal Damage. Hypertension, 2019, 74, .	1.3	0
94	Abstract P142: Progression of Diabetic Kidney Disease in the Type 2 Diabetic Nephropathy Rat Model. Hypertension, 2019, 74, .	1.3	0
95	Beneficial Effects of High Potassium. Hypertension, 2018, 71, 1015-1022.	1.3	39
96	Role of adaptor protein p66Shc in renal pathologies. American Journal of Physiology - Renal Physiology, 2018, 314, F143-F153.	1.3	23
97	Nitric oxide production by glomerular podocytes. Nitric Oxide - Biology and Chemistry, 2018, 72, 24-31.	1.2	14
98	Characterization of purinergic receptor expression in ARPKD cystic epithelia. Purinergic Signalling, 2018, 14, 485-497.	1.1	21
99	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
100	A mutation affecting polycystin-1 mediated heterotrimeric G-protein signaling causes PKD. Human Molecular Genetics, 2018, 27, 3313-3324.	1.4	31
101	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
102	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
103	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
104	Distal tubule basolateral potassium channels. Current Opinion in Nephrology and Hypertension, 2018, 27, 373-378.	1.0	17
105	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
106	The Protective Role of TRPC6 Knockout in the Progression of Diabetic Nephropathy. FASEB Journal, 2018, 32, .	0.2	0
107	Knockout of Kcnj16 (Kir5.1) in Dahl Saltâ€Sensitive Rats Produces Seizure Phenotype. FASEB Journal, 2018, 32, 750.3.	0.2	0
108	The Protective Effects of Atrial Natriuretic Peptide Infusion in Saltâ€Sensitive Hypertension. FASEB Journal, 2018, 32, 619.2.	0.2	0

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109	Acute and Chronic Respiratory Effects from Repeated Audiogenic Seizures in SS Kcnj16â^'/â^' Rats. FASEB Journal, 2018, 32, 894.14.	0.2	0
110	Lâ€lysine Control of Albumin Reabsorption by the Renal Proximal Tubule Prevents the Development of Saltâ€Sensitive Hypertension. FASEB Journal, 2018, 32, 716.5.	0.2	0
111	The Effect of Voltageâ€Sensitive Chloride Channel 6 on Development of Saltâ€Sensitive Hypertension. FASEB Journal, 2018, 32, 750.23.	0.2	0
112	Purinergic Receptors Profile in the ARPKD Cystic Epithelia. FASEB Journal, 2018, 32, 624.4.	0.2	0
113	Î² 1 Pix Stabilizes Nedd4â€2 and Plays a Critical Role in ENaC Regulation by AMPK in Kidney Epithelial Cells. FASEB Journal, 2018, 32, 747.9.	0.2	0
114	Kcnj10 (Kir 4.1) Knockout in Dahl SS Rats Determines the Expression of Kcnj10 and Kcnj16 Proteins in Brain and Kidney. FASEB Journal, 2018, 32, 620.3.	0.2	0
115	High Salt Diet Induces a Rapid Increase in Blood Pressure and Mortality in the Ren â^'/â^' Dahl SS Rats. FASEB Journal, 2018, 32, 904.4.	0.2	0
116	Abstract P382: The Role of Atrial Natriuretic Peptide in Cardiac Damage During Salt Sensitive Hypertension. Hypertension, 2018, 72, .	1.3	0
117	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
118	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
119	Hypertension and Diabetes Mellitus. Hypertension, 2017, 69, 787-788.	1.3	6
120	Involvement of ENaC in the development of salt-sensitive hypertension. American Journal of Physiology - Renal Physiology, 2017, 313, F135-F140.	1.3	67
121	The Role of Angiotensin II in Glomerular Volume Dynamics and Podocyte Calcium Handling. Scientific Reports, 2017, 7, 299.	1.6	43
122	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
123	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
124	Essential role of Kir5.1 channels in renal salt handling and blood pressure control. JCI Insight, 2017, 2, .	2.3	78
125	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
126	High salt diet and caffeine: food for thought. Journal of Thoracic Disease, 2016, 8, E1410-E1412.	0.6	0

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127	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
128	Regulation of Polycystin-1 Function by Calmodulin Binding. PLoS ONE, 2016, 11, e0161525.	1.1	17
129	Functional and therapeutic importance of purinergic signaling in polycystic kidney disease. American Journal of Physiology - Renal Physiology, 2016, 311, F1135-F1139.	1.3	13
130	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
131	The function of SH2B3 (LNK) in the kidney. American Journal of Physiology - Renal Physiology, 2016, 311, F682-F685.	1.3	8
132	Protease-activated receptors in kidney disease progression. American Journal of Physiology - Renal Physiology, 2016, 311, F1140-F1144.	1.3	36
133	Renal sodium transport in renin-deficient Dahl salt-sensitive rats. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2016, 17, 147032031665385.	1.0	17
134	Chronic cathepsin inhibition by E-64 in Dahl salt-sensitive rats. Physiological Reports, 2016, 4, e12950.	0.7	9
135	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
136	Evidence of the Importance of Nox4 in Production of Hypertension in Dahl Salt-Sensitive Rats. Hypertension, 2016, 67, 440-450.	1.3	83
137	Fundamentals of Epithelial Na+ Absorption. , 2016, , 49-94.		1
138	p66Shc regulates renal vascular tone in hypertension-induced nephropathy. Journal of Clinical Investigation, 2016, 126, 2533-2546.	3.9	36
139	Podocyte injury in diabetic nephropathy: implications of angiotensin II â€“ dependent activation of TRPC channels. Scientific Reports, 2015, 5, 17637.	1.6	84
140	Single-channel Analysis and Calcium Imaging in the Podocytes of the Freshly Isolated Glomeruli. Journal of Visualized Experiments, 2015, , e52850.	0.2	21
141	Implementing Patch Clamp and Live Fluorescence Microscopy to Monitor Functional Properties of Freshly Isolated PKD Epithelium. Journal of Visualized Experiments, 2015, , .	0.2	10
142	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
143	Use of Enzymatic Biosensors to Quantify Endogenous ATP or H₂O₂ in the Kidney. Journal of Visualized Experiments, 2015, , .	0.2	11
144	Acetylation Stimulates the Epithelial Sodium Channel by Reducing Its Ubiquitination and Degradation. Journal of Biological Chemistry, 2015, 290, 12497-12503.	1.6	29

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145	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
146	Inhibition of ENaC by Endothelin-1. Vitamins and Hormones, 2015, 98, 155-187.	0.7	13
147	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
148	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
149	Utilizing a Type 1 Diabetic Nephropathy Model Developed on the Basis of Streptozotocinâ€Treated Dahl SS Rats for the Studies of Calcium Handling in the Podocytes. FASEB Journal, 2015, 29, 964.2.	0.2	0
150	Mechanism of Angiotensin II â€•Mediated Changes in Glomeruli Permeability and Calcium Influx in Podocytes. FASEB Journal, 2015, 29, 808.22.	0.2	0
151	Nox4â€mediated and Hydrogen Peroxide Dependent Regulation of ENaC In Saltâ€Sensitive Hypertension. FASEB Journal, 2015, 29, 811.23.	0.2	0
152	Intravital Imaging of the Kidney in Saltâ€Sensitive Hypertension. FASEB Journal, 2015, 29, .	0.2	0
153	Role of Renal Interstitial ATP in Pressure Natriuresis/Diuresis Relationship. FASEB Journal, 2015, 29, 811.16.	0.2	0
154	The Regulatory Pathways of Nitric Oxide Production in Glomeruli Podocytes. FASEB Journal, 2015, 29, 808.9.	0.2	0
155	Twoâ€Photon Imaging of Intracellular Ca ²⁺ Handling and Nitric Oxide Production in Endothelial and Smooth Muscle Cells of Isolated Rat Vessels . FASEB Journal, 2015, 29, 808.18.	0.2	0
156	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
157	Angiotensin II has acute effects on TRPC6 channels in podocytes of freshly isolated glomeruli. Kidney International, 2014, 86, 506-514.	2.6	80
158	PC and PKC: in vivo vs. in vitro. American Journal of Physiology - Renal Physiology, 2014, 306, F507-F508.	1.3	0
159	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
160	Epoxyeicosatrienoic acid analogue lowers blood pressure through vasodilation and sodium channel inhibition. Clinical Science, 2014, 127, 463-474.	1.8	63
161	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
162	Mutation of Plekha7 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

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