

Oleg Palygin

List of Publications by Year in descending order

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Version: 2024-02-01

151
papers

2,880
citations

159525

30
h-index

197736

49
g-index

154
all docs

154
docs citations

154
times ranked

3637
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of TRPC6 channel in chronic kidney disease. American Journal of Physiology - Renal Physiology, 2022, 322, F195-F196.	1.3	1
2	Crosstalk between epithelial sodium channels (<sc>ENaC</sc>) 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	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
4	Acute and long-term effects of cannabinoids on hypertension and kidney injury. Scientific Reports, 2022, 12, 6080.	1.6	5
5	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
6	RAS-mediated nitric oxide signaling in podocytes. FASEB Journal, 2022, 36, .	0.2	0
7	Effects of Potassium Supplementation and Kir7.1 Knockout on Renal Function During the Progression of Salt-sensitive Hypertension. FASEB Journal, 2022, 36, .	0.2	0
8	Lack of Xdh Leads to Alterations in Renin-Angiotensin-Aldosterone System and Kidney Injury. FASEB Journal, 2022, 36, .	0.2	0
9	Application of Scanning Ion Conductance Microscopy in the Studies of Podocytes Morphological Changes. FASEB Journal, 2022, 36, .	0.2	0
10	Loss of <i>Clcn6</i> Alters Expression of Nearby Regulatory Blood Pressure Genes but Does Not Affect High Salt Induced Mortality in Dahl Salt-sensitive Rats. FASEB Journal, 2022, 36, .	0.2	0
11	Effect of SGLT2 Inhibition on the Development of Salt-sensitive Hypertension, RAAS, and Sodium Channels and Transporters in Dahl SS Rats. FASEB Journal, 2022, 36, .	0.2	0
12	Therapeutic effects of L-lysine in Dahl SS rats, a Model of Salt-induced Hypertension. FASEB Journal, 2022, 36, .	0.2	0
13	Acute and Chronic Effects of Seizures on Cardiorespiratory Control in the SS ^{Kcnj16} Rat. FASEB Journal, 2022, 36, .	0.2	0
14	Pathophysiological role of NNAT in ER+ breast cancer. FASEB Journal, 2022, 36, .	0.2	0
15	Nitric-Oxide-Mediated Signaling in Podocyte Pathophysiology. Biomolecules, 2022, 12, 745.	1.8	5
16	Unfulfilled Expectations Open New Horizons: What Have We Learned about Volume-Regulated Anion Channels in the Kidney?. Journal of the American Society of Nephrology: JASN, 2022, 33, ASN.2022050588.	3.0	0
17	Kir5.1 channels: potential role in epilepsy and seizure disorders. American Journal of Physiology - Cell Physiology, 2022, 323, C706-C717.	2.1	10
18	Accelerated lysine metabolism conveys kidney protection in salt-sensitive hypertension. Nature Communications, 2022, 13, .	5.8	18

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19	The Mechanisms of Cellular Plasticity in Collecting Duct Cells: Intermediate Cell Type and Notch-mediated Transdifferentiation. <i>Function</i> , 2021, 2, zqab032.	1.1	1
20	Kcnj16 knockout produces audiogenic seizures in the Dahl salt-sensitive rat. <i>JCI Insight</i> , 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. <i>Hypertension</i> , 2021, 77, 582-593.	1.3	9
22	Editorial: Hypertension and Chronic Kidney Injury or Failure. <i>Frontiers in Physiology</i> , 2021, 12, 662737.	1.3	0
23	Scanning ion conductance microscopy of live human glomerulus. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 4216-4219.	1.6	3
24	Cytoskeleton Rearrangements Modulate TRPC6 Channel Activity in Podocytes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4396.	1.8	9
25	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.	3.0	46
26	Remodeling of Purinergic Receptor 2 Signaling in Podocytes In Response to Diabetic Kidney Disease. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
27	The Role of Acute and Long-Term Use of Cannabinoids on Hypertension and Kidney Injury. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
28	A Potential Regulatory Role of Xanthine Dehydrogenase (XDH) in the Kidney Development and Damage. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
29	Role of Basolateral K ⁺ 4.1/K ⁺ 5.1 Channel in the Regulation of Electrolyte Balance and ENaC Activity in the Cortical Collecting Duct. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
30	Characterization of purinergic receptor 2 signaling in podocytes from diabetic kidneys. <i>iScience</i> , 2021, 24, 102528.	1.9	10
31	Sexual dimorphism in the progression of type 2 diabetic kidney disease in T2DN rats. <i>Physiological Genomics</i> , 2021, 53, 223-234.	1.0	7
32	p66Shc-mediated hydrogen peroxide production impairs nephrogenesis causing reduction of number of glomeruli. <i>Life Sciences</i> , 2021, 279, 119661.	2.0	6
33	Abstract P245: Activation Of Protease-activated Receptors 1 Leads To Structural Changes In Immortalized Cultured Human Podocytes.. <i>Hypertension</i> , 2021, 78, .	1.3	0
34	Abstract MP35: Pharmacological Inhibition And Knockout Of K ⁺ 7.1 Does Not Affect The Development Of Salt-Sensitive Hypertension In The Dahl SS Rat. <i>Hypertension</i> , 2021, 78, .	1.3	0
35	Role of collecting duct principal cell NOS1 β in sodium and potassium homeostasis. <i>Physiological Reports</i> , 2021, 9, e15080.	0.7	1
36	Editorial: Hypertension and Chronic Kidney Injury or Failure, Volume II. <i>Frontiers in Physiology</i> , 2021, 12, 824971.	1.3	2

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37	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
38	NOX4-dependent regulation of ENaC in hypertension and diabetic kidney disease. FASEB Journal, 2020, 34, 13396-13408.	0.2	21
39	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
40	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
41	Effects of uric acid dysregulation on the kidney. American Journal of Physiology - Renal Physiology, 2020, 318, F1252-F1257.	1.3	17
42	Role of opioid signaling in kidney damage during the development of salt-induced hypertension. Life Science Alliance, 2020, 3, e202000853.	1.3	17
43	The Role of Opioid Receptors in Podocyte Injury and Kidney Damage During the Development of Salt-Induced Hypertension. FASEB Journal, 2020, 34, 1-1.	0.2	0
44	Contribution of K _{ir} 4.1/K _{ir} 5.1 Channels to the Control of ENaC-Mediated Apical Sodium Transport in the Cortical Collecting Duct. FASEB Journal, 2020, 34, 1-1.	0.2	2
45	Abstract MP09: Sex Differences And Development Of Advanced Diabetic Nephropathy In Type 2 Diabetic Nephropathy Rats. Hypertension, 2020, 76, .	1.3	0
46	Metabolic rewiring of the hypertensive kidney. FASEB Journal, 2020, 34, 1-1.	0.2	0
47	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
48	Role of K _{ir} 4.1 (<i>Kcnj10</i>) in the Regulation of Salt-Induced Hypertension. FASEB Journal, 2020, 34, 1-1.	0.2	0
49	Potential Role of cGAS-εSTING Pathway in the Induction of Diabetic Kidney Disease. FASEB Journal, 2020, 34, 1-1.	0.2	1
50	Fructose Consumption Increases Blood Pressure and Induces Changes in Renal Microvascular Function. FASEB Journal, 2020, 34, 1-1.	0.2	0
51	Sex Hormones and Development of Advanced Diabetic Nephropathy in Diabetic Kidney Disease. FASEB Journal, 2020, 34, 1-1.	0.2	0
52	Type 1 Diabetes Results in Significant Purinergic Receptor Remodeling in Podocytes. FASEB Journal, 2020, 34, 1-1.	0.2	0
53	The Protective Effects of Ketodiet in Salt-Sensitive Hypertension. FASEB Journal, 2020, 34, 1-1.	0.2	1
54	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

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55	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
56	Abstract P013: Role Of Kir4.1 (<i>Kcnj10</i>) In The Regulation Of Salt-Induced Hypertension. Hypertension, 2020, 76, .	1.3	0
57	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
58	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
59	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
60	Progression of diabetic kidney disease in T2DN rats. American Journal of Physiology - Renal Physiology, 2019, 317, F1450-F1461.	1.3	34
61	Role of TRPC6 in Progression of Diabetic Kidney Disease. Current Hypertension Reports, 2019, 21, 48.	1.5	45
62	Increased ENaC activity during kidney preservation in Wisconsin solution. BMC Nephrology, 2019, 20, 145.	0.8	7
63	Human genotyping and an experimental model reveal NPR-C as a possible contributor to morbidity in coarctation of the aorta. Physiological Genomics, 2019, 51, 177-185.	1.0	12
64	Postprandial Effects on ENaC-Mediated Sodium Absorption. Scientific Reports, 2019, 9, 4296.	1.6	16
65	Metabolic rewiring of the hypertensive kidney. Science Signaling, 2019, 12, .	1.6	40
66	Genetic mutation of <i>Kcnj16</i> identifies Kir5.1-containing channels as key regulators of acute and chronic pH homeostasis. FASEB Journal, 2019, 33, 5067-5075.	0.2	18
67	Endothelin receptor A and p66Shc regulate spontaneous Ca ²⁺ oscillations in smooth muscle cells controlling renal arterial spontaneous motion. FASEB Journal, 2019, 33, 2636-2645.	0.2	6
68	Fluorescent Imaging and Microscopy for Dynamic Processes in Rats. Methods in Molecular Biology, 2019, 2018, 151-175.	0.4	8
69	Relationship between the renin-angiotensin-aldosterone system and renal Kir5.1 channels. Clinical Science, 2019, 133, 2449-2461.	1.8	11
70	New Vibrodissociation Method for Isolation of Defined Nephron Segments and Small Renal Vessels. FASEB Journal, 2019, 33, 748.10.	0.2	0
71	Metabolic Insults Drive the Development of Glomerular Sclerosis and Proteinuria in Salt-Sensitive Hypertensive Nephropathy. FASEB Journal, 2019, 33, 571.3.	0.2	0
72	Kir5.1-Mediated Changes in Renin-Angiotensin-Aldosterone System Balance in Salt Sensitive Hypertension. FASEB Journal, 2019, 33, 862.12.	0.2	0

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73	Role of Nox4 in Angiotensin II-Mediated Changes in Volume Dynamics and Nitric Oxide Production in Podocytes. FASEB Journal, 2019, 33, 575.1.	0.2	0
74	EET Analogs and the Dual-Inhibition of sEH/COX-2 for the Treatment of Focal Segmental Glomerular Sclerosis. FASEB Journal, 2019, 33, 863.8.	0.2	0
75	Sex Differences in the Progression of Type 2 Diabetic Nephropathy. FASEB Journal, 2019, 33, .	0.2	0
76	Postprandial Effects on ENaC-Mediated Sodium Absorption. FASEB Journal, 2019, 33, 751.15.	0.2	0
77	Abstract 133: The Role of Xanthine Dehydrogenase (XDH) and Uric Acid in Renal Damage. Hypertension, 2019, 74, .	1.3	0
78	Abstract P142: Progression of Diabetic Kidney Disease in the Type 2 Diabetic Nephropathy Rat Model. Hypertension, 2019, 74, .	1.3	0
79	Nitric oxide production by glomerular podocytes. Nitric Oxide - Biology and Chemistry, 2018, 72, 24-31.	1.2	14
80	Characterization of purinergic receptor expression in ARPKD cystic epithelia. Purinergic Signalling, 2018, 14, 485-497.	1.1	21
81	Keratinocytes mediate innocuous and noxious touch via ATP-P2X4 signaling. ELife, 2018, 7, .	2.8	143
82	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
83	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
84	Distal tubule basolateral potassium channels. Current Opinion in Nephrology and Hypertension, 2018, 27, 373-378.	1.0	17
85	The Protective Role of TRPC6 Knockout in the Progression of Diabetic Nephropathy. FASEB Journal, 2018, 32, .	0.2	0
86	Knockout of Kcnj16 (Kir5.1) in Dahl Salt-Sensitive Rats Produces Seizure Phenotype. FASEB Journal, 2018, 32, 750.3.	0.2	0
87	Acute and Chronic Respiratory Effects from Repeated Audiogenic Seizures in SS Kcnj16 ^{-/-} Rats. FASEB Journal, 2018, 32, 894.14.	0.2	0
88	L-Lysine Control of Albumin Reabsorption by the Renal Proximal Tubule Prevents the Development of Salt-Sensitive Hypertension. FASEB Journal, 2018, 32, 716.5.	0.2	0
89	The Effect of Voltage-Sensitive Chloride Channel 6 on Development of Salt-Sensitive Hypertension. FASEB Journal, 2018, 32, 750.23.	0.2	0
90	Purinergic Receptors Profile in the ARPKD Cystic Epithelia. FASEB Journal, 2018, 32, 624.4.	0.2	0

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91	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.	0.2	0
92	Role and mechanisms of regulation of the basolateral $K_{ir}4.1/K_{ir}5.1$ channels in the distal tubules. <i>Acta Physiologica</i> , 2017, 219, 260-273.	1.8	29
93	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.	1.3	16
94	The Role of Angiotensin II in Glomerular Volume Dynamics and Podocyte Calcium Handling. <i>Scientific Reports</i> , 2017, 7, 299.	1.6	43
95	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, .	1.6	18
96	Essential role of Kir5.1 channels in renal salt handling and blood pressure control. <i>JCI Insight</i> , 2017, 2, .	2.3	78
97	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.	1.3	16
98	Transcriptome-wide co-expression analysis identifies LRRC2 as a novel mediator of mitochondrial and cardiac function. <i>PLoS ONE</i> , 2017, 12, e0170458.	1.1	11
99	Abstract 107: Role of Nox4 in the Control of ENaC Activity in Dahl SS Rats During the Development of Salt-induced Hypertension and Diabetic Nephropathy. <i>Hypertension</i> , 2017, 70, .	1.3	0
100	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.	1.1	24
101	Functional and therapeutic importance of purinergic signaling in polycystic kidney disease. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, F1135-F1139.	1.3	13
102	Insulin and IGF-1 activate $K_{ir}4.1/5.1$ channels in cortical collecting duct principal cells to control basolateral membrane voltage. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, F311-F321.	1.3	35
103	Protease-activated receptors in kidney disease progression. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, F1140-F1144.	1.3	36
104	Chronic central serotonin depletion attenuates ventilation and body temperature in young but not adult Tph2 knockout rats. <i>Journal of Applied Physiology</i> , 2016, 120, 1070-1081.	1.2	33
105	ATP from synaptic terminals and astrocytes regulates NMDA receptors and synaptic plasticity through PSD-95 multi-protein complex. <i>Scientific Reports</i> , 2016, 6, 33609.	1.6	65
106	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.	2.0	5
107	p66Shc regulates renal vascular tone in hypertension-induced nephropathy. <i>Journal of Clinical Investigation</i> , 2016, 126, 2533-2546.	3.9	36
108	Abstract 106: Signaling Mechanisms Affecting Nitric Oxide Production in Glomerular Podocytes. <i>Hypertension</i> , 2016, 68, .	1.3	0

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109	Abstract P118: The Complexity of the Albuminuria Development in Salt-sensitive Hypertension. Hypertension, 2016, 68, .	1.3	0
110	Podocyte injury in diabetic nephropathy: implications of angiotensin II -dependent activation of TRPC channels. Scientific Reports, 2015, 5, 17637.	1.6	84
111	Single-channel Analysis and Calcium Imaging in the Podocytes of the Freshly Isolated Glomeruli. Journal of Visualized Experiments, 2015, , e52850.	0.2	21
112	Implementing Patch Clamp and Live Fluorescence Microscopy to Monitor Functional Properties of Freshly Isolated PKD Epithelium. Journal of Visualized Experiments, 2015, , .	0.2	10
113	Two-photon Imaging of Intracellular Ca ²⁺ 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
114	Use of Enzymatic Biosensors to Quantify Endogenous ATP or H ₂ O ₂ in the Kidney. Journal of Visualized Experiments, 2015, , .	0.2	11
115	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
116	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. FASEB Journal, 2015, 29, 964.2.	0.2	0
117	Mechanism of Angiotensin II -Mediated Changes in Glomeruli Permeability and Calcium Influx in Podocytes. FASEB Journal, 2015, 29, 808.22.	0.2	0
118	Nox4-mediated and Hydrogen Peroxide Dependent Regulation of ENaC In Salt-sensitive Hypertension. FASEB Journal, 2015, 29, 811.23.	0.2	0
119	Intravital Imaging of the Kidney in Salt-sensitive Hypertension. FASEB Journal, 2015, 29, .	0.2	0
120	Role of Renal Interstitial ATP in Pressure Natriuresis/Diuresis Relationship. FASEB Journal, 2015, 29, 811.16.	0.2	0
121	The Regulatory Pathways of Nitric Oxide Production in Glomeruli Podocytes. FASEB Journal, 2015, 29, 808.9.	0.2	0
122	Two-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
123	Angiotensin II Dependent Regulation of TRPC6 Calcium Channels in the Podocytes of the STZ-induced Type 1 Diabetic Dahl SS Rats. FASEB Journal, 2015, 29, 964.1.	0.2	3
124	Angiotensin II has acute effects on TRPC6 channels in podocytes of freshly isolated glomeruli. Kidney International, 2014, 86, 506-514.	2.6	80
125	Exocytosis of ATP From Astrocytes Modulates Phasic and Tonic Inhibition in the Neocortex. PLoS Biology, 2014, 12, e1001747.	2.6	222
126	Cannabinoid receptors contribute to astroglial Ca ²⁺ -signalling and control of synaptic plasticity in the neocortex. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20140077.	1.8	55

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127	The MK2/3 cascade regulates AMPAR trafficking and cognitive flexibility. <i>Nature Communications</i> , 2014, 5, 4701.	5.8	55
128	Mutation of <i>Plekha7</i> attenuates salt-sensitive hypertension in the rat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12817-12822.	3.3	55
129	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, 783-792.	1.5	20
130	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-C1059.	2.1	32
131	Epidermal growth factors in the kidney and relationship to hypertension. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, F12-F20.	1.3	35
132	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-F141.	1.3	30
133	Direct inhibition of basolateral K _{ir} 4.1/5.1 and K _{ir} 4.1 channels in the cortical collecting duct by dopamine. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, F1277-F1287.	1.3	49
134	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, 1053-1062.	3.0	69
135	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-R91.	0.9	2
136	miR-132/212 Knockout Mice Reveal Roles for These miRNAs in Regulating Cortical Synaptic Transmission and Plasticity. <i>PLoS ONE</i> , 2013, 8, e62509.	1.1	122
137	<i>Plekha7</i> , a candidate gene for human hypertension, plays a critical role in the regulation of intracellular calcium. <i>FASEB Journal</i> , 2013, 27, .	0.2	0
138	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.	0.2	0
139	Pharmacological characterization of the P2 receptors profile in the podocytes of the Sprague Dawley rat glomeruli. <i>FASEB Journal</i> , 2013, 27, 912.22.	0.2	0
140	Real-time electrochemical detection of endogenous substance release in freshly isolated organs. <i>FASEB Journal</i> , 2013, 27, 910.16.	0.2	1
141	Role of the epithelial Na ⁺ channels (ENaC) in development of ARPKD. <i>FASEB Journal</i> , 2013, 27, 1148.1.	0.2	0
142	MSK1 Regulates Homeostatic and Experience-Dependent Synaptic Plasticity. <i>Journal of Neuroscience</i> , 2012, 32, 13039-13051.	1.7	67
143	Modulation of ATP-induced LTP by cannabinoid receptors in rat hippocampus. <i>Purinergic Signalling</i> , 2012, 8, 705-713.	1.1	6
144	Age-dependent remodelling of ionotropic signalling in cortical astroglia. <i>Aging Cell</i> , 2011, 10, 392-402.	3.0	85

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145	Distinct pharmacological and functional properties of NMDA receptors in mouse cortical astrocytes. <i>British Journal of Pharmacology</i> , 2011, 163, 1755-1766.	2.7	98
146	Compartmentalization of the MAPK scaffold protein KSR1 modulates synaptic plasticity in hippocampal neurons. <i>FASEB Journal</i> , 2011, 25, 2362-2372.	0.2	18
147	Ionotropic NMDA and P2X1/5 receptors mediate synaptically induced Ca ²⁺ signalling in cortical astrocytes. <i>Cell Calcium</i> , 2010, 48, 225-231.	1.1	140
148	Gs $\hat{\mu}$ ± Protein-Mediated and Protein Kinase A-Independent Regulation of Caveolar Sodium Channels in Rat Cardiomyocytes. <i>Neurophysiology</i> , 2009, 41, 8-15.	0.2	0
149	Ca ²⁺ -dependent modulation of GABA _A and NMDA receptors by extracellular ATP: implication for function of tripartite synapse. <i>Biochemical Society Transactions</i> , 2009, 37, 1407-1411.	1.6	20
150	Voltage-gated Nav channel targeting in the heart requires an ankyrin-G α dependent cellular pathway. <i>Journal of Cell Biology</i> , 2008, 180, 173-186.	2.3	155
151	Regulation of caveolar cardiac sodium current by a single Gs $\hat{\mu}$ ± histidine residue. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 294, H1693-H1699.	1.5	40