

Daria V Ilatovskaya

List of Publications by Year in Descending Order

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Version: 2024-04-23

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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.

88
papers

1,317
citations

22
h-index

34
g-index

106
ext. papers

1,649
ext. citations

3.6
avg, IF

4.69
L-index

#	Paper	IF	Citations
88	Effects of elevation of ANP and its deficiency on cardiorenal function.. <i>JCI Insight</i> , 2022 ,	9.9	1
87	Epithelial Sodium Channel Alpha Subunit (ENaC) Is Associated with Inverse Salt Sensitivity of Blood Pressure. <i>Biomedicines</i> , 2022 , 10, 981	4.8	0
86	Nitric-Oxide-Mediated Signaling in Podocyte Pathophysiology. <i>Biomolecules</i> , 2022 , 12, 745	5.9	
85	Recent advances in understanding ion transport mechanisms in polycystic kidney disease. <i>Clinical Science</i> , 2021 , 135, 2521-2540	6.5	3
84	The implications of histamine metabolism and signaling in renal function. <i>Physiological Reports</i> , 2021 , 9, e14845	2.6	0
83	Characterization of purinergic receptor 2 signaling in podocytes from diabetic kidneys. <i>IScience</i> , 2021 , 24, 102528	6.1	2
82	Immune regulation of cardiac fibrosis post myocardial infarction. <i>Cellular Signalling</i> , 2021 , 77, 109837	4.9	10
81	Insights Into the Molecular Mechanisms of Polycystic Kidney Diseases. <i>Frontiers in Physiology</i> , 2021 , 12, 693130	4.6	6
80	FGF21 prevents low-protein diet-induced renal inflammation in aged mice. <i>American Journal of Physiology - Renal Physiology</i> , 2021 , 321, F356-F368	4.3	3
79	Chronic lipopolysaccharide induces adverse myocardial infarction wound healing through activation of CD8 T cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021 , 321, H948-H962	5.2	4
78	Inhibition of neprilysin with sacubitril without RAS blockage aggravates renal disease in Dahl SS rats. <i>Renal Failure</i> , 2021 , 43, 315-324	2.9	1
77	Sex differences in renal mitochondrial function: a hormone-gous opportunity for research. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 319, F1117-F1124	4.3	7
76	Differential effects of low-dose sacubitril and/or valsartan on renal disease in salt-sensitive hypertension. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 319, F63-F75	4.3	7
75	Comprehensive assessment of mitochondrial respiratory function in freshly isolated nephron segments. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 318, F1237-F1245	4.3	4
74	Cell free DNA as a diagnostic and prognostic marker for cardiovascular diseases. <i>Clinica Chimica Acta</i> , 2020 , 503, 145-150	6.2	11
73	Fundamentals of Epithelial Na ⁺ Absorption. <i>Physiology in Health and Disease</i> , 2020 , 291-336	0.2	
72	Effects of atrial natriuretic peptide on mitochondria function in cortical collecting duct cells. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	

71	The effects of low dose LCZ 696 on kidney function in Dahl SS rats. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
70	NOX4-dependent regulation of ENaC in hypertension and diabetic kidney disease. <i>FASEB Journal</i> , 2020 , 34, 13396-13408	0.9	6
69	Regulation of mitochondria function by natriuretic peptides. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 317, F1164-F1168	4.3	7
68	Progression of diabetic kidney disease in T2DN rats. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 317, F1450-F1461	4.3	16
67	The exocyst acting through the primary cilium is necessary for renal ciliogenesis, cystogenesis, and tubulogenesis. <i>Journal of Biological Chemistry</i> , 2019 , 294, 6710-6718	5.4	10
66	Renal Glomerular Mitochondria Function in Salt-Sensitive Hypertension. <i>Frontiers in Physiology</i> , 2019 , 10, 1588	4.6	9
65	CD8 T-cells negatively regulate inflammation post-myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 317, H581-H596	5.2	34
64	Adaptive immunity-driven inflammation and cardiovascular disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 317, H1254-H1257	5.2	13
63	The Role of Histamine H3 Receptors in ENaC-dependent Sodium Reabsorption in the Cortical Collecting Ducts. <i>FASEB Journal</i> , 2019 , 33, 575.8	0.9	
62	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	
61	AVP-ANP Signaling Axis in Salt-Sensitive Hypertension. <i>FASEB Journal</i> , 2019 , 33, 750.2	0.9	
60	Mitochondria ROS in podocytes of freshly isolated glomeruli during salt-sensitive hypertension. <i>FASEB Journal</i> , 2019 , 33, 569.6	0.9	
59	Salt-deficient diet exacerbates cystogenesis in ARPKD via epithelial sodium channel (ENaC). <i>EBioMedicine</i> , 2019 , 40, 663-674	8.8	21
58	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
57	The Protective Effects of Atrial Natriuretic Peptide Infusion in Salt-Sensitive Hypertension. <i>FASEB Journal</i> , 2018 , 32, 619.2	0.9	
56	Purinergic Receptors Profile in the ARPKD Cystic Epithelia. <i>FASEB Journal</i> , 2018 , 32, 624.4	0.9	
55	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	
54	Nitric oxide production by glomerular podocytes. <i>Nitric Oxide - Biology and Chemistry</i> , 2018 , 72, 24-31	5	8

53	Characterization of purinergic receptor expression in ARPKD cystic epithelia. <i>Purinergic Signalling</i> , 2018 , 14, 485-497	3.8	12
52	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
51	The Role of Angiotensin II in Glomerular Volume Dynamics and Podocyte Calcium Handling. <i>Scientific Reports</i> , 2017 , 7, 299	4.9	32
50	Monitoring undergraduate student needs and activities at Experimental Biology: APS pilot survey. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2017 , 41, 186-193	1.9	0
49	Essential role of Kir5.1 channels in renal salt handling and blood pressure control. <i>JCI Insight</i> , 2017 , 2,	9.9	48
48	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
47	Chronic cathepsin inhibition by E-64 in Dahl salt-sensitive rats. <i>Physiological Reports</i> , 2016 , 4, e12950	2.6	7
46	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
45	Fundamentals of Epithelial Na+ Absorption 2016 , 49-94		1
44	High salt diet and caffeine: food for thought. <i>Journal of Thoracic Disease</i> , 2016 , 8, E1410-E1412	2.6	
43	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
42	Protease-activated receptors in kidney disease progression. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 311, F1140-F1144	4.3	22
41	Renal sodium transport in renin-deficient Dahl salt-sensitive rats. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2016 , 17,	3	12
40	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
39	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
38	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
37	Podocyte injury in diabetic nephropathy: implications of angiotensin II-dependent activation of TRPC channels. <i>Scientific Reports</i> , 2015 , 5, 17637	4.9	65
36	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

35	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
34	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	
33	Mechanism of Angiotensin II - Mediated Changes in Glomeruli Permeability and Calcium Influx in Podocytes. <i>FASEB Journal</i> , 2015 , 29, 808.22	0.9	
32	Nox4-mediated and Hydrogen Peroxide Dependent Regulation of ENaC In Salt-Sensitive Hypertension. <i>FASEB Journal</i> , 2015 , 29, 811.23	0.9	
31	The Regulatory Pathways of Nitric Oxide Production in Glomeruli Podocytes. <i>FASEB Journal</i> , 2015 , 29, 808.9	0.9	
30	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
29	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
28	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
27	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
26	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
25	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
24	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
23	Regulation of ENaC in mice lacking renal insulin receptors in the collecting duct. <i>FASEB Journal</i> , 2013 , 27, 2723-32	0.9	34
22	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
21	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
20	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	
19	Renin knock out modulates sodium reabsorption in the Dahl salt-sensitive rats. <i>FASEB Journal</i> , 2013 , 27, 909.6	0.9	
18	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	

17	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	
16	Real-time electrochemical detection of endogenous substance release in freshly isolated organs. <i>FASEB Journal</i> , 2013 , 27, 910.16	0.9	0
15	Role of the epithelial Na ⁺ channels (ENaC) in development of ARPKD. <i>FASEB Journal</i> , 2013 , 27, 1148.1	0.9	
14	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
13	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
12	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
11	Role of the epithelial sodium channel (ENaC) in the development of salt-sensitive hypertension. <i>FASEB Journal</i> , 2012 , 26, 867.8	0.9	
10	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	
9	NSAIDs acutely inhibit TRPC channels in freshly isolated rat glomeruli. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 408, 242-7	3.4	17
8	Cortical actin binding protein cortactin mediates ENaC activity via Arp2/3 complex. <i>FASEB Journal</i> , 2011 , 25, 2688-99	0.9	39
7	Novel role of Rac1/WAVE signaling mechanism in regulation of the epithelial Na ⁺ channel. <i>Hypertension</i> , 2011 , 57, 996-1002	8.5	29
6	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
5	Role of NSAIDs in regulation of TRPC channels in isolated rat glomeruli. <i>FASEB Journal</i> , 2011 , 25, 1041.1	0.9	
4	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	
3	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
2	Endothelin-1 inhibits the epithelial Na ⁺ channel through betaPix/14-3-3/Nedd4-2. <i>Journal of the American Society of Nephrology: JASN</i> , 2010 , 21, 833-43	12.7	55
1	The actin cytoskeleton and small G protein RhoA are not involved in flow-dependent activation of ENaC. <i>BMC Research Notes</i> , 2010 , 3, 210	2.3	18