

Daria V Ilatovskaya

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9494837/daria-v-ilatovskaya-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
87	Podocyte injury in diabetic nephropathy: implications of angiotensin II-dependent activation of TRPC channels. <i>Scientific Reports</i> , 2015 , 5, 17637	4.9	65
86	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
85	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
84	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
83	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
82	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
81	Essential role of Kir5.1 channels in renal salt handling and blood pressure control. <i>JCI Insight</i> , 2017 , 2,	9.9	48
80	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
79	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
78	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
77	Cortical actin binding protein cortactin mediates ENaC activity via Arp2/3 complex. <i>FASEB Journal</i> , 2011 , 25, 2688-99	0.9	39
76	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
75	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
74	Regulation of ENaC in mice lacking renal insulin receptors in the collecting duct. <i>FASEB Journal</i> , 2013 , 27, 2723-32	0.9	34
73	The Role of Angiotensin II in Glomerular Volume Dynamics and Podocyte Calcium Handling. <i>Scientific Reports</i> , 2017 , 7, 299	4.9	32
72	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

71	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
70	Novel role of Rac1/WAVE signaling mechanism in regulation of the epithelial Na ⁺ channel. <i>Hypertension</i> , 2011 , 57, 996-1002	8.5	29
69	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
68	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
67	Protease-activated receptors in kidney disease progression. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 311, F1140-F1144	4.3	22
66	Salt-deficient diet exacerbates cystogenesis in ARPKD via epithelial sodium channel (ENaC). <i>EBioMedicine</i> , 2019 , 40, 663-674	8.8	21
65	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
64	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
63	NSAIDs acutely inhibit TRPC channels in freshly isolated rat glomeruli. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 408, 242-7	3.4	17
62	Progression of diabetic kidney disease in T2DN rats. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 317, F1450-F1461	4.3	16
61	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
60	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
59	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
58	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
57	Adaptive immunity-driven inflammation and cardiovascular disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 317, H1254-H1257	5.2	13
56	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
55	Renal sodium transport in renin-deficient Dahl salt-sensitive rats. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2016 , 17,	3	12
54	Characterization of purinergic receptor expression in ARPKD cystic epithelia. <i>Purinergic Signalling</i> , 2018 , 14, 485-497	3.8	12

53	Cell free DNA as a diagnostic and prognostic marker for cardiovascular diseases. <i>Clinica Chimica Acta</i> , 2020 , 503, 145-150	6.2	11
52	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
51	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
50	Immune regulation of cardiac fibrosis post myocardial infarction. <i>Cellular Signalling</i> , 2021 , 77, 109837	4.9	10
49	Renal Glomerular Mitochondria Function in Salt-Sensitive Hypertension. <i>Frontiers in Physiology</i> , 2019 , 10, 1588	4.6	9
48	Nitric oxide production by glomerular podocytes. <i>Nitric Oxide - Biology and Chemistry</i> , 2018 , 72, 24-31	5	8
47	Regulation of mitochondria function by natriuretic peptides. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 317, F1164-F1168	4.3	7
46	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
45	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
44	Chronic cathepsin inhibition by E-64 in Dahl salt-sensitive rats. <i>Physiological Reports</i> , 2016 , 4, e12950	2.6	7
43	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
42	NOX4-dependent regulation of ENaC in hypertension and diabetic kidney disease. <i>FASEB Journal</i> , 2020 , 34, 13396-13408	0.9	6
41	Insights Into the Molecular Mechanisms of Polycystic Kidney Diseases. <i>Frontiers in Physiology</i> , 2021 , 12, 693130	4.6	6
40	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
39	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
38	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
37	Recent advances in understanding ion transport mechanisms in polycystic kidney disease. <i>Clinical Science</i> , 2021 , 135, 2521-2540	6.5	3
36	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

35	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
34	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
33	Characterization of purinergic receptor 2 signaling in podocytes from diabetic kidneys. <i>IScience</i> , 2021 , 24, 102528	6.1	2
32	Fundamentals of Epithelial Na ⁺ Absorption 2016 , 49-94		1
31	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
30	Effects of elevation of ANP and its deficiency on cardiorenal function.. <i>JCI Insight</i> , 2022 ,	9.9	1
29	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
28	Real-time electrochemical detection of endogenous substance release in freshly isolated organs. <i>FASEB Journal</i> , 2013 , 27, 910.16	0.9	0
27	The implications of histamine metabolism and signaling in renal function. <i>Physiological Reports</i> , 2021 , 9, e14845	2.6	0
26	Epithelial Sodium Channel Alpha Subunit (ENaC) Is Associated with Inverse Salt Sensitivity of Blood Pressure. <i>Biomedicines</i> , 2022 , 10, 981	4.8	0
25	Fundamentals of Epithelial Na ⁺ Absorption. <i>Physiology in Health and Disease</i> , 2020 , 291-336	0.2	
24	Effects of atrial natriuretic peptide on mitochondria function in cortical collecting duct cells. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
23	The effects of low dose LCZ 696 on kidney function in Dahl SS rats. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
22	The Protective Effects of Atrial Natriuretic Peptide Infusion in Salt-Sensitive Hypertension. <i>FASEB Journal</i> , 2018 , 32, 619.2	0.9	
21	Purinergic Receptors Profile in the ARPKD Cystic Epithelia. <i>FASEB Journal</i> , 2018 , 32, 624.4	0.9	
20	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	
19	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	
18	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	

- 17 AVP-ANP Signaling Axis in Salt-Sensitive Hypertension. *FASEB Journal*, **2019**, 33, 750.2 0.9
- 16 Mitochondria ROS in podocytes of freshly isolated glomeruli during salt-sensitive hypertension. *FASEB Journal*, **2019**, 33, 569.6 0.9
- 15 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 0.9
- 14 Mechanism of Angiotensin II - Mediated Changes in Glomeruli Permeability and Calcium Influx in Podocytes. *FASEB Journal*, **2015**, 29, 808.22 0.9
- 13 Nox4-mediated and Hydrogen Peroxide Dependent Regulation of ENaC In Salt-Sensitive Hypertension. *FASEB Journal*, **2015**, 29, 811.23 0.9
- 12 The Regulatory Pathways of Nitric Oxide Production in Glomeruli Podocytes. *FASEB Journal*, **2015**, 29, 808.9 0.9
- 11 Role of NSAIDs in regulation of TRPC channels in isolated rat glomeruli. *FASEB Journal*, **2011**, 25, 1041.1 0.9
- 10 Novel role of Rac1/WAVE signaling mechanism in regulation of the epithelial Na⁺ channel (ENaC). *FASEB Journal*, **2011**, 25, 1039.1 0.9
- 9 Role of the epithelial sodium channel (ENaC) in the development of salt-sensitive hypertension. *FASEB Journal*, **2012**, 26, 867.8 0.9
- 8 Crosstalk between insulin and IGF-1 receptors in principal cells: implication for ENaC-mediated sodium reabsorption. *FASEB Journal*, **2012**, 26, 1068.5 0.9
- 7 The role of the Arp2/3 complex in the cytoskeleton organization and actin-mediated sodium reabsorption in kidney epithelial cells. *FASEB Journal*, **2013**, 27, 1145.8 0.9
- 6 Renin knock out modulates sodium reabsorption in the Dahl salt-sensitive rats. *FASEB Journal*, **2013**, 27, 909.6 0.9
- 5 Acute effects of angiotensin II on TRPC6 channels in the podocytes of the freshly isolated glomeruli. *FASEB Journal*, **2013**, 27, 913.46 0.9
- 4 Pharmacological characterization of the P2 receptors profile in the podocytes of the Sprague Dawley rat glomeruli. *FASEB Journal*, **2013**, 27, 912.22 0.9
- 3 Role of the epithelial Na⁺ channels (ENaC) in development of ARPKD. *FASEB Journal*, **2013**, 27, 1148.1 0.9
- 2 High salt diet and caffeine: food for thought. *Journal of Thoracic Disease*, **2016**, 8, E1410-E1412 2.6
- 1 Nitric-Oxide-Mediated Signaling in Podocyte Pathophysiology. *Biomolecules*, **2022**, 12, 745 5.9