

Aylin R Rodan

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

2,854
citations

361413

20
h-index

233421

45
g-index

77
all docs

77
docs citations

77
times ranked

3632
citing authors

#	ARTICLE	IF	CITATIONS
1	Chloride oscillation in pacemaker neurons regulates circadian rhythms through a chloride-sensing WNK kinase signaling cascade. <i>Current Biology</i> , 2022, 32, 1429-1438.e6.	3.9	8
2	Optimized assay for transposase-accessible chromatin by sequencing (ATAC-seq) library preparation from adult <i>Drosophila melanogaster</i> neurons. <i>Scientific Reports</i> , 2022, 12, 6043.	3.3	5
3	Mitochondrial calcium uniporter stabilization preserves energetic homeostasis during Complex I impairment. <i>Nature Communications</i> , 2022, 13, 2769.	12.8	17
4	Harnessing changes in open chromatin determined by ATAC-seq to generate insulin-responsive reporter constructs. <i>BMC Genomics</i> , 2022, 23, .	2.8	11
5	The fly liquid-food electroshock assay (FLEA) suggests opposite roles for neuropeptide F in avoidance of bitterness and shock. <i>BMC Biology</i> , 2021, 19, 31.	3.8	5
6	Serine Protease HTRA1 as a Novel Target Antigen in Primary Membranous Nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 1666-1681.	6.1	61
7	WNKs are potassium-sensitive kinases. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 320, C703-C721.	4.6	20
8	Molecular basis for epithelial morphogenesis and ion transport in the Malpighian tubule. <i>Current Opinion in Insect Science</i> , 2021, 47, 7-11.	4.4	5
9	Editorial overview: Molecular physiology of ion transport. <i>Current Opinion in Insect Science</i> , 2021, 47, vii-ix.	4.4	0
10	Role of collecting duct principal cell NOS1 β in sodium and potassium homeostasis. <i>Physiological Reports</i> , 2021, 9, e15080.	1.7	1
11	Still Learning from Our Patients: Hypokalemia in Patients with Lupus Nephritis. <i>Kidney360</i> , 2021, 2, 1546-1548.	2.1	0
12	The septate junction protein Mesh is required for epithelial morphogenesis, ion transport, and paracellular permeability in the <i>Drosophila</i> Malpighian tubule. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 318, C675-C694.	4.6	16
13	The septate junction protein Tetraspanin 2A is critical to the structure and function of Malpighian tubules in <i>Drosophila melanogaster</i> . <i>American Journal of Physiology - Cell Physiology</i> , 2020, 318, C1107-C1122.	4.6	14
14	A <i>Drosophila</i> screen identifies NKCC1 as a modifier of NGLY1 deficiency. <i>ELife</i> , 2020, 9, .	6.0	28
15	Altered Actin Filament Dynamics in the <i>Drosophila</i> Mushroom Bodies Lead to Fast Acquisition of Alcohol Consumption Preference. <i>Journal of Neuroscience</i> , 2019, 39, 8877-8884.	3.6	14
16	The glial sodium-potassium-2-chloride cotransporter is required for synaptic transmission in the <i>Drosophila</i> visual system. <i>Scientific Reports</i> , 2019, 9, 2475.	3.3	9
17	The <i>Drosophila</i> Malpighian tubule as a model for mammalian tubule function. <i>Current Opinion in Nephrology and Hypertension</i> , 2019, 28, 455-464.	2.0	20
18	Intracellular chloride. <i>Current Opinion in Nephrology and Hypertension</i> , 2019, 28, 360-367.	2.0	12

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19	Calcineurin Inhibition Impairs the Function of Neuronal Potassium-Chloride Cotransporter 2. <i>FASEB Journal</i> , 2019, 33, 824.14.	0.5	0
20	Intracellular Chloride and Scaffold Protein Mo25 Cooperatively Regulate Transepithelial Ion Transport through WNK Signaling in the Malpighian Tubule. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 1449-1461.	6.1	37
21	JmjC domain proteins modulate circadian behaviors and sleep in <i>Drosophila</i> . <i>Scientific Reports</i> , 2018, 8, 815.	3.3	30
22	WNK-SPAK/OSR1 signaling: lessons learned from an insect renal epithelium. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F903-F907.	2.7	21
23	Sodium and magnesium in the distal convoluted tubule: no longer a couple?. <i>Physiological Reports</i> , 2018, 6, e13780.	1.7	1
24	Role of the Occluding Septate Junction Protein Mesh in Epithelial Integrity and Ion Transport in the <i>Drosophila</i> Renal Tubules. <i>FASEB Journal</i> , 2018, 32, 624.30.	0.5	0
25	Potassium: friend or foe?. <i>Pediatric Nephrology</i> , 2017, 32, 1109-1121.	1.7	29
26	Alcohol-Induced Behaviors Require a Subset of <i>Drosophila</i> JmjC Domain Histone Demethylases in the Nervous System. <i>Alcoholism: Clinical and Experimental Research</i> , 2017, 41, 2015-2024.	2.4	20
27	WNK Kinases in Development and Disease. <i>Current Topics in Developmental Biology</i> , 2017, 123, 1-47.	2.2	45
28	Trans-ethnic Fine Mapping Highlights Kidney-Function Genes Linked to Salt Sensitivity. <i>American Journal of Human Genetics</i> , 2016, 99, 636-646.	6.2	67
29	S6 Kinase Reflects and Regulates Ethanol-Induced Sedation. <i>Journal of Neuroscience</i> , 2015, 35, 15396-15402.	3.6	19
30	Two inwardly rectifying potassium channels, <i>Irkl1</i> and <i>Irkl2</i> , play redundant roles in <i>Drosophila</i> renal tubule function. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R747-R756.	1.8	47
31	Use of the Ramsay Assay to Measure Fluid Secretion and Ion Flux Rates in the <i>Drosophila melanogaster</i> Malpighian Tubule. <i>Journal of Visualized Experiments</i> , 2015, , .	0.3	12
32	RhoGAP18B Isoforms Act on Distinct Rho-Family GTPases and Regulate Behavioral Responses to Alcohol via Cofilin. <i>PLoS ONE</i> , 2015, 10, e0137465.	2.5	14
33	Rsu1 regulates ethanol consumption in <i>Drosophila</i> and humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4085-93.	7.1	57
34	Rhabdomyolysis-induced acute kidney injury in a cancer patient exposed to denosumab and abiraterone: a case report. <i>BMC Nephrology</i> , 2015, 16, 118.	1.8	17
35	Hypotonicity Stimulates Potassium Flux through the WNK-SPAK/OSR1 Kinase Cascade and the Ncc69 Sodium-Potassium-2-Chloride Cotransporter in the <i>Drosophila</i> Renal Tubule. <i>Journal of Biological Chemistry</i> , 2014, 289, 26131-26142.	3.4	37
36	Long-lasting, experience-dependent alcohol preference in <i>Drosophila</i> . <i>Addiction Biology</i> , 2014, 19, 392-401.	2.6	53

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37	Hemodialysis catheter insertion: is increased PO2 a sign of arterial cannulation? A case report. BMC Nephrology, 2014, 15, 127.	1.8	7
38	The <i>Drosophila</i> NKCC Ncc69 is required for normal renal tubule function. American Journal of Physiology - Cell Physiology, 2012, 303, C883-C894.	4.6	54
39	Adult Neuronal Arf6 Controls Ethanol-Induced Behavior with Arfaptin Downstream of Rac1 and RhoGAP18B. Journal of Neuroscience, 2012, 32, 17706-17713.	3.6	30
40	Recent advances in distal tubular potassium handling. American Journal of Physiology - Renal Physiology, 2011, 300, F821-F827.	2.7	27
41	An Emerging Role for SPAK in NCC, NKCC, and Blood Pressure Regulation. Journal of the American Society of Nephrology: JASN, 2010, 21, 1812-1814.	6.1	9
42	The Genetics of Behavioral Alcohol Responses in <i>Drosophila</i> . International Review of Neurobiology, 2010, 91, 25-51.	2.0	59
43	Distal potassium handling based on flow modulation of maxi-K channel activity. Current Opinion in Nephrology and Hypertension, 2009, 18, 350-355.	2.0	26
44	Insulin signaling in the nervous system regulates ethanol intoxication in <i>Drosophila melanogaster</i> . Nature Neuroscience, 2005, 8, 18-19.	14.8	80
45	The family of osteoblast transcription factors is growing. BoneKEy Osteovision, 2005, 2, 12-15.	0.6	3
46	Functional Dissection of Neuroanatomical Loci Regulating Ethanol Sensitivity in <i>Drosophila</i> . Journal of Neuroscience, 2002, 22, 9490-9501.	3.6	82
47	High-Resolution Analysis of Ethanol-Induced Locomotor Stimulation in <i>Drosophila</i> . Journal of Neuroscience, 2002, 22, 11035-11044.	3.6	162
48	<i>Drosophila fasciclinII</i> Is Required for the Formation of Odor Memories and for Normal Sensitivity to Alcohol. Cell, 2001, 105, 757-768.	28.9	124
49	<i>daf-16</i> : An HNF-3/forkhead Family Member That Can Function to Double the Life-Span of <i>Caenorhabditis elegans</i> . Science, 1997, 278, 1319-1322.	12.6	1,429