Aylin R Rodan

List of Publications by Year
in descending order

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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	daf-16 : An HNF-3/forkhead Family Member That Can Function to Double the Life-Span of Caenorhabditis elegans. Science, 1997, 278, 1319-1322.	12.6	1,429
2	High-Resolution Analysis of Ethanol-Induced Locomotor Stimulation inDrosophila. Journal of Neuroscience, 2002, 22, 11035-11044.	3.6	162
3	Drosophila fasciclinII Is Required for the Formation of Odor Memories and for Normal Sensitivity to Alcohol. Cell, 2001, 105, 757-768.	28.9	124
4	Functional Dissection of Neuroanatomical Loci Regulating Ethanol Sensitivity inDrosophila. Journal of Neuroscience, 2002, 22, 9490-9501.	3.6	82
5	Insulin signaling in the nervous system regulates ethanol intoxication in Drosophila melanogaster. Nature Neuroscience, 2005, 8, 18-19.	14.8	80
6	Trans-ethnic Fine Mapping Highlights Kidney-Function Genes Linked to Salt Sensitivity. American Journal of Human Genetics, 2016, 99, 636-646.	6.2	67
7	Serine Protease HTRA1 as a Novel Target Antigen in Primary Membranous Nephropathy. Journal of the American Society of Nephrology: JASN, 2021, 32, 1666-1681.	6.1	61
8	The Genetics of Behavioral Alcohol Responses in Drosophila. International Review of Neurobiology, 2010, 91, 25-51.	2.0	59
9	Rsu1 regulates ethanol consumption in Drosophila and humans. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4085-93.	7.1	57
10	TheDrosophilaNKCC Ncc69 is required for normal renal tubule function. American Journal of Physiology - Cell Physiology, 2012, 303, C883-C894.	4.6	54
11	Longâ€lasting, experienceâ€dependent alcohol preference in <scp>D</scp>rosophila. Addiction Biology, 2014, 19, 392-401.	2.6	53
12	Two inwardly rectifying potassium channels,Irk1andIrk2, play redundant roles inDrosophilarenal tubule function. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R747-R756.	1.8	47
13	WNK Kinases in Development and Disease. Current Topics in Developmental Biology, 2017, 123, 1-47.	2.2	45
14	Hypotonicity Stimulates Potassium Flux through the WNK-SPAK/OSR1 Kinase Cascade and the Ncc69 Sodium-Potassium-2-Chloride Cotransporter in the Drosophila Renal Tubule. Journal of Biological Chemistry, 2014, 289, 26131-26142.	3.4	37
15	Intracellular Chloride and Scaffold Protein Mo25 Cooperatively Regulate Transepithelial Ion Transport through WNK Signaling in the Malpighian Tubule. Journal of the American Society of Nephrology: JASN, 2018, 29, 1449-1461.	6.1	37
16	Adult Neuronal Arf6 Controls Ethanol-Induced Behavior with Arfaptin Downstream of Rac1 and RhoGAP18B. Journal of Neuroscience, 2012, 32, 17706-17713.	3.6	30
17	JmjC domain proteins modulate circadian behaviors and sleep in Drosophila. Scientific Reports, 2018, 8, 815.	3.3	30
18	Potassium: friend or foe?. Pediatric Nephrology, 2017, 32, 1109-1121.	1.7	29

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19	A Drosophila screen identifies NKCC1 as a modifier of NGLY1 deficiency. ELife, 2020, 9, .	6.0	28
20	Recent advances in distal tubular potassium handling. American Journal of Physiology - Renal Physiology, 2011, 300, F821-F827.	2.7	27
21	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
22	WNK-SPAK/OSR1 signaling: lessons learned from an insect renal epithelium. American Journal of Physiology - Renal Physiology, 2018, 315, F903-F907.	2.7	21
23	Alcoholâ€Induced Behaviors Require a Subset of Drosophila JmjCâ€Domain Histone Demethylases in the Nervous System. Alcoholism: Clinical and Experimental Research, 2017, 41, 2015-2024.	2.4	20
24	The Drosophila Malpighian tubule as a model for mammalian tubule function. Current Opinion in Nephrology and Hypertension, 2019, 28, 455-464.	2.0	20
25	WNKs are potassium-sensitive kinases. American Journal of Physiology - Cell Physiology, 2021, 320, C703-C721.	4.6	20
26	S6 Kinase Reflects and Regulates Ethanol-Induced Sedation. Journal of Neuroscience, 2015, 35, 15396-15402.	3.6	19
27	Rhabdomyolysis-induced acute kidney injury in a cancer patient exposed to denosumab and abiraterone: a case report. BMC Nephrology, 2015, 16, 118.	1.8	17
28	Mitochondrial calcium uniporter stabilization preserves energetic homeostasis during Complex I impairment. Nature Communications, 2022, 13, 2769.	12.8	17
29	The septate junction protein Mesh is required for epithelial morphogenesis, ion transport, and paracellular permeability in the Drosophila Malpighian tubule. American Journal of Physiology - Cell Physiology, 2020, 318, C675-C694.	4.6	16
30	RhoGAP18B Isoforms Act on Distinct Rho-Family GTPases and Regulate Behavioral Responses to Alcohol via Cofilin. PLoS ONE, 2015, 10, e0137465.	2.5	14
31	Altered Actin Filament Dynamics in theDrosophilaMushroom Bodies Lead to Fast Acquisition of Alcohol Consumption Preference. Journal of Neuroscience, 2019, 39, 8877-8884.	3.6	14
32	The septate junction protein Tetraspanin 2A is critical to the structure and function of Malpighian tubules inDrosophila melanogaster. American Journal of Physiology - Cell Physiology, 2020, 318, C1107-C1122.	4.6	14
33	Use of the Ramsay Assay to Measure Fluid Secretion and Ion Flux Rates in the Drosophila melanogaster Malpighian Tubule. Journal of Visualized Experiments, 2015, , .	0.3	12
34	Intracellular chloride. Current Opinion in Nephrology and Hypertension, 2019, 28, 360-367.	2.0	12
35	Harnessing changes in open chromatin determined by ATAC-seq to generate insulin-responsive reporter constructs. BMC Genomics, 2022, 23, .	2.8	11
36	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

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37	The glial sodium-potassium-2-chloride cotransporter is required for synaptic transmission in the Drosophila visual system. Scientific Reports, 2019, 9, 2475.	3.3	9
38	Chloride oscillation in pacemaker neurons regulates circadian rhythms through a chloride-sensing WNK kinase signaling cascade. Current Biology, 2022, 32, 1429-1438.e6.	3.9	8
39	Hemodialysis catheter insertion: is increased PO2 a sign of arterial cannulation? A case report. BMC Nephrology, 2014, 15, 127.	1.8	7
40	The fly liquid-food electroshock assay (FLEA) suggests opposite roles for neuropeptide F in avoidance of bitterness and shock. BMC Biology, 2021, 19, 31.	3.8	5
41	Molecular basis for epithelial morphogenesis and ion transport in the Malpighian tubule. Current Opinion in Insect Science, 2021, 47, 7-11.	4.4	5
42	Optimized assay for transposase-accessible chromatin by sequencing (ATAC-seq) library preparation from adult Drosophila melanogaster neurons. Scientific Reports, 2022, 12, 6043.	3.3	5
43	The family of osteoblast transcription factors is growing. BoneKEy Osteovision, 2005, 2, 12-15.	0.6	3
44	Sodium and magnesium in the distal convoluted tubule: no longer a couple?. Physiological Reports, 2018, 6, e13780.	1.7	1
45	Role of collecting duct principal cell NOS1Î² in sodium and potassium homeostasis. Physiological Reports, 2021, 9, e15080.	1.7	1
46	Editorial overview: Molecular physiology of ion transport. Current Opinion in Insect Science, 2021, 47, vii-ix.	4.4	0
47	Role of the Occluding Septate Junction Protein Mesh in Epithelial Integrity and Ion Transport in the Drosophila Renal Tubules. FASEB Journal, 2018, 32, 624.30.	0.5	0
48	Calcineurin Inhibition Impairs the Function of Neuronal Potassiumâ€Chloride Cotransporter 2. FASEB Journal, 2019, 33, 824.14.	0.5	0
49	Still Learning from Our Patients: Hypokalemia in Patients with Lupus Nephritis. Kidney360, 2021, 2, 1546-1548.	2.1	0