

Frederic Charron

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8848628/frederic-charron-publications-by-citations.pdf>

Version: 2024-04-28

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.

65
papers

6,430
citations

35
h-index

80
g-index

88
ext. papers

7,253
ext. citations

11.8
avg, IF

5.41
L-index

#	Paper	IF	Citations
65	A murine model of Holt-Oram syndrome defines roles of the T-box transcription factor Tbx5 in cardiogenesis and disease. <i>Cell</i> , 2001 , 106, 709-21	56.2	833
64	The cardiac transcription factors Nkx2-5 and GATA-4 are mutual cofactors. <i>EMBO Journal</i> , 1997 , 16, 5687-96	13.6	533
63	The morphogen sonic hedgehog is an axonal chemoattractant that collaborates with netrin-1 in midline axon guidance. <i>Cell</i> , 2003 , 113, 11-23	56.2	521
62	The Hedgehog pathway promotes blood-brain barrier integrity and CNS immune quiescence. <i>Science</i> , 2011 , 334, 1727-31	33.3	513
61	Neurotrophins and netrins require calcineurin/NFAT signaling to stimulate outgrowth of embryonic axons. <i>Cell</i> , 2003 , 113, 657-70	56.2	305
60	GATA-dependent recruitment of MEF2 proteins to target promoters. <i>EMBO Journal</i> , 2000 , 19, 2046-55	13	268
59	Boc is a receptor for sonic hedgehog in the guidance of commissural axons. <i>Nature</i> , 2006 , 444, 369-73	50.4	231
58	Sonic hedgehog guides axons through a noncanonical, Src-family-kinase-dependent signaling pathway. <i>Neuron</i> , 2009 , 62, 349-62	13.9	213
57	Overlapping roles and collective requirement for the coreceptors GAS1, CDO, and BOC in SHH pathway function. <i>Developmental Cell</i> , 2011 , 20, 775-87	10.2	205
56	GATA transcription factors and cardiac development. <i>Seminars in Cell and Developmental Biology</i> , 1999 , 10, 85-91	7.5	198
55	Cooperative interaction between GATA-4 and GATA-6 regulates myocardial gene expression. <i>Molecular and Cellular Biology</i> , 1999 , 19, 4355-65	4.8	197
54	Novel brain wiring functions for classical morphogens: a role as graded positional cues in axon guidance. <i>Development (Cambridge)</i> , 2005 , 132, 2251-62	6.6	190
53	Tissue-specific GATA factors are transcriptional effectors of the small GTPase RhoA. <i>Genes and Development</i> , 2001 , 15, 2702-19	12.6	181
52	Boc and Gas1 each form distinct Shh receptor complexes with Ptch1 and are required for Shh-mediated cell proliferation. <i>Developmental Cell</i> , 2011 , 20, 788-801	10.2	175
51	Cardiac tissue enriched factors serum response factor and GATA-4 are mutual coregulators. <i>Molecular and Cellular Biology</i> , 2000 , 20, 7550-8	4.8	164
50	Neurons diversify astrocytes in the adult brain through sonic hedgehog signaling. <i>Science</i> , 2016 , 351, 849-54	33.3	155
49	Mutations in DCC cause congenital mirror movements. <i>Science</i> , 2010 , 328, 592	33.3	114

48	VEGF mediates commissural axon chemoattraction through its receptor Flk1. <i>Neuron</i> , 2011 , 70, 966-78	13.9	113
47	GATA-4 is a nuclear mediator of mechanical stretch-activated hypertrophic program. <i>Journal of Biological Chemistry</i> , 2003 , 278, 23807-16	5.4	93
46	Dscam guides embryonic axons by Netrin-dependent and -independent functions. <i>Development (Cambridge)</i> , 2008 , 135, 3839-48	6.6	89
45	14-3-3 proteins regulate a cell-intrinsic switch from sonic hedgehog-mediated commissural axon attraction to repulsion after midline crossing. <i>Neuron</i> , 2012 , 76, 735-49	13.9	75
44	Signaling mechanisms of non-conventional axon guidance cues: the Shh, BMP and Wnt morphogens. <i>Current Opinion in Neurobiology</i> , 2013 , 23, 965-73	7.6	73
43	Segregation of ipsilateral retinal ganglion cell axons at the optic chiasm requires the Shh receptor Boc. <i>Journal of Neuroscience</i> , 2010 , 30, 266-75	6.6	68
42	Transcription factor SCL is required for c-kit expression and c-Kit function in hemopoietic cells. <i>Journal of Experimental Medicine</i> , 1998 , 188, 439-50	16.6	66
41	The Hedgehog, TGF-beta/BMP and Wnt families of morphogens in axon guidance. <i>Advances in Experimental Medicine and Biology</i> , 2007 , 621, 116-33	3.6	54
40	Pioneer longitudinal axons navigate using floor plate and Slit/Robo signals. <i>Development (Cambridge)</i> , 2008 , 135, 3643-53	6.6	52
39	Essential role for ligand-dependent feedback antagonism of vertebrate hedgehog signaling by PTCH1, PTCH2 and HHIP1 during neural patterning. <i>Development (Cambridge)</i> , 2013 , 140, 3423-34	6.6	51
38	Integration of shallow gradients of Shh and Netrin-1 guides commissural axons. <i>PLoS Biology</i> , 2015 , 13, e1002119	9.7	48
37	Synergistic integration of Netrin and ephrin axon guidance signals by spinal motor neurons. <i>ELife</i> , 2015 , 4,	8.9	45
36	Long-Range Guidance of Spinal Commissural Axons by Netrin1 and Sonic Hedgehog from Midline Floor Plate Cells. <i>Neuron</i> , 2019 , 101, 635-647.e4	13.9	42
35	14-3-3 proteins regulate protein kinase a activity to modulate growth cone turning responses. <i>Journal of Neuroscience</i> , 2010 , 30, 14059-67	6.6	40
34	Sonic Hedgehog Is a Remotely Produced Cue that Controls Axon Guidance Trans-axonally at a Midline Choice Point. <i>Neuron</i> , 2018 , 97, 326-340.e4	13.9	38
33	Ihog and Boi are essential for Hedgehog signaling in Drosophila. <i>Neural Development</i> , 2010 , 5, 28	3.9	37
32	Midline axon guidance and human genetic disorders. <i>Clinical Genetics</i> , 2011 , 80, 226-34	4	36
31	The Shh receptor Boc promotes progression of early medulloblastoma to advanced tumors. <i>Developmental Cell</i> , 2014 , 31, 34-47	10.2	35

30	Sonic Hedgehog Guides Axons via Zipcode Binding Protein 1-Mediated Local Translation. <i>Journal of Neuroscience</i> , 2017 , 37, 1685-1695	6.6	31
29	A novel conserved <i>evx1</i> enhancer links spinal interneuron morphology and cis-regulation from fish to mammals. <i>Developmental Biology</i> , 2009 , 325, 422-33	3.1	29
28	Evasion of Cell Senescence Leads to Medulloblastoma Progression. <i>Cell Reports</i> , 2016 , 14, 2925-37	10.6	26
27	Switching responses: spatial and temporal regulators of axon guidance. <i>Molecular Neurobiology</i> , 2014 , 49, 1077-86	6.2	24
26	Axon Guidance: Gained in Translation. <i>Neuron</i> , 2018 , 99, 1-2	13.9	23
25	Interaction with GATA transcription factors provides a mechanism for cell-specific effects of c-Fos. <i>Oncogene</i> , 2003 , 22, 8403-12	9.2	23
24	Pioneer midbrain longitudinal axons navigate using a balance of Netrin attraction and Slit repulsion. <i>Neural Development</i> , 2014 , 9, 17	3.9	18
23	The Ciliary Protein <i>Arl13b</i> Functions Outside of the Primary Cilium in Shh-Mediated Axon Guidance. <i>Cell Reports</i> , 2019 , 29, 3356-3366.e3	10.6	18
22	De Novo Pathogenic Variants in N-cadherin Cause a Syndromic Neurodevelopmental Disorder with Corpus Collosum, Axon, Cardiac, Ocular, and Genital Defects. <i>American Journal of Human Genetics</i> , 2019 , 105, 854-868	11	17
21	Boc Acts via Numb as a Shh-Dependent Endocytic Platform for Ptch1 Internalization and Shh-Mediated Axon Guidance. <i>Neuron</i> , 2019 , 102, 1157-1171.e5	13.9	17
20	Polarized Dock Activity Drives Shh-Mediated Axon Guidance. <i>Developmental Cell</i> , 2018 , 46, 410-425.e7	10.2	17
19	Dissection and culture of commissural neurons from embryonic spinal cord. <i>Journal of Visualized Experiments</i> , 2010 ,	1.6	17
18	N-cadherin relocates from the periphery to the center of the synapse after transient synaptic stimulation in hippocampal neurons. <i>PLoS ONE</i> , 2013 , 8, e79679	3.7	17
17	Cellular Functions of the Autism Risk Factor PTCHD1 in Mice. <i>Journal of Neuroscience</i> , 2017 , 37, 11993-12005	10.5	15
16	Longitudinal axons are guided by Slit/Robo signals from the floor plate. <i>Cell Adhesion and Migration</i> , 2010 , 4, 337-41	3.2	14
15	Lateralization of motor control in the human nervous system: genetics of mirror movements. <i>Current Opinion in Neurobiology</i> , 2013 , 23, 109-18	7.6	12
14	The Shh receptor Boc is important for myelin formation and repair. <i>Development (Cambridge)</i> , 2019 , 146,	6.6	10
13	Overexpression of Desmoglein 2 in a Mouse Model of Gorlin Syndrome Enhances Spontaneous Basal Cell Carcinoma Formation through STAT3-Mediated Gli1 Expression. <i>Journal of Investigative Dermatology</i> , 2019 , 139, 300-307	4.3	9

12	Recent advances in SHH medulloblastoma progression: tumor suppressor mechanisms and the tumor microenvironment. <i>F1000Research</i> , 2019 , 8,	3.6	7
11	Mesocortical Dopamine Phenotypes in Mice Lacking the Sonic Hedgehog Receptor Cdon. <i>ENeuro</i> , 2016 , 3,	3.9	7
10	Evasion of cell senescence in SHH medulloblastoma. <i>Cell Cycle</i> , 2016 , 15, 2102-2107	4.7	6
9	Sonic hedgehog accelerates DNA replication to cause replication stress promoting cancer initiation in medulloblastoma.. <i>Nature Cancer</i> , 2020 , 1, 840-854	15.4	5
8	Loss of Dcc in the spinal cord is sufficient to cause a deficit in lateralized motor control and the switch to a hopping gait. <i>Developmental Dynamics</i> , 2018 , 247, 620-629	2.9	5
7	lhog and Boi elicit Hh signaling via Ptc but do not aid Ptc in sequestering the Hh ligand. <i>Development (Cambridge)</i> , 2014 , 141, 3879-88	6.6	3
6	Linking Hedgehog, Translation, and mTORC1 in Medulloblastoma. <i>Developmental Cell</i> , 2017 , 43, 655-656	10.2	2
5	OR.81. Astrocyte-secreted Sonic Hedgehog Supports CNS Anti-inflammatory Activity and Promotes Optimal Human Blood Brain Barrier Functioning. <i>Clinical Immunology</i> , 2009 , 131, S34	9	2
4	Nonconventional axon guidance cues: Hedgehog, TGF- β /BMP, and Wnts in axon guidance 2020 , 175-199		
3	Signaling from Within: Endocytic Trafficking of the Robo Receptor Is Required for Midline Axon Repulsion. <i>PLoS Genetics</i> , 2015 , 11, e1005441	6	
2	Nonconventional Axon Guidance Cues 2013 , 127-149		
1	Cardiac Development and Regulation of Cardiac Transcription 2001 , 705-717		