

Jean-François Cloutier

List of Publications by Year in descending order

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28
papers

1,040
citations

430874

18
h-index

580821

25
g-index

30
all docs

30
docs citations

30
times ranked

1276
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuropilin-2 Mediates Axonal Fasciculation, Zonal Segregation, but Not Axonal Convergence, of Primary Accessory Olfactory Neurons. <i>Neuron</i> , 2002, 33, 877-892.	8.1	134
2	Optimizing Nervous System-Specific Gene Targeting with Cre Driver Lines: Prevalence of Germline Recombination and Influencing Factors. <i>Neuron</i> , 2020, 106, 37-65.e5.	8.1	109
3	Differential Requirements for Semaphorin 3F and Slit-1 in Axonal Targeting, Fasciculation, and Segregation of Olfactory Sensory Neuron Projections. <i>Journal of Neuroscience</i> , 2004, 24, 9087-9096.	3.6	107
4	Requirement for Slit-1 and Robo-2 in Zonal Segregation of Olfactory Sensory Neuron Axons in the Main Olfactory Bulb. <i>Journal of Neuroscience</i> , 2007, 27, 9094-9104.	3.6	105
5	Complete Loss of Netrin-1 Results in Embryonic Lethality and Severe Axon Guidance Defects without Increased Neural Cell Death. <i>Cell Reports</i> , 2015, 12, 1099-1106.	6.4	82
6	Kirrel3 is required for the coalescence of vomeronasal sensory neuron axons into glomeruli and for male-male aggression. <i>Development (Cambridge)</i> , 2013, 140, 2398-2408.	2.5	57
7	Robo-2 Controls the Segregation of a Portion of Basal Vomeronasal Sensory Neuron Axons to the Posterior Region of the Accessory Olfactory Bulb. <i>Journal of Neuroscience</i> , 2009, 29, 14211-14222.	3.6	41
8	Differential expression of slitrk family members in the mouse nervous system. <i>Developmental Dynamics</i> , 2009, 238, 3285-3296.	1.8	40
9	Slitrk1 is localized to excitatory synapses and promotes their development. <i>Scientific Reports</i> , 2016, 6, 27343.	3.3	36
10	The Pattern of Glomerular Map Formation Defines Responsiveness to Aversive Odorants in Mice. <i>Journal of Neuroscience</i> , 2011, 31, 7920-7926.	3.6	34
11	Neural map formation and sensory coding in the vomeronasal system. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 4697-4709.	5.4	32
12	Neogenin May Functionally Substitute for Dcc in Chicken. <i>PLoS ONE</i> , 2011, 6, e22072.	2.5	32
13	Axon Guidance Events in the Wiring of the Mammalian Olfactory System. <i>Molecular Neurobiology</i> , 2009, 39, 1-9.	4.0	28
14	RGMB and neogenin control cell differentiation in the developing olfactory epithelium. <i>Development (Cambridge)</i> , 2016, 143, 1534-1546.	2.5	28
15	Remotely Produced and Axon-Derived Netrin-1 Instructs GABAergic Neuron Migration and Dopaminergic Substantia Nigra Development. <i>Neuron</i> , 2020, 107, 684-702.e9.	8.1	23
16	Extracellular phosphorylation drives the formation of neuronal circuitry. <i>Nature Chemical Biology</i> , 2019, 15, 1035-1042.	8.0	22
17	The noradrenergic system is necessary for survival of vulnerable midbrain dopaminergic neurons: implications for development and Parkinson's disease. <i>Neurobiology of Aging</i> , 2020, 85, 22-37.	3.1	21
18	Slits and Robo-2 regulate the coalescence of subsets of olfactory sensory neuron axons within the ventral region of the olfactory bulb. <i>Developmental Biology</i> , 2012, 371, 269-279.	2.0	20

#	ARTICLE	IF	CITATIONS
19	Netrin-1 Confines Rhombic Lip-Derived Neurons to the CNS. <i>Cell Reports</i> , 2018, 22, 1666-1680.	6.4	20
20	Cellular and molecular mechanisms regulating embryonic neurogenesis in the rodent olfactory epithelium. <i>International Journal of Developmental Neuroscience</i> , 2014, 37, 76-86.	1.6	18
21	Loss of Kirrel family members alters glomerular structure and synapse numbers in the accessory olfactory bulb. <i>Brain Structure and Function</i> , 2018, 223, 307-319.	2.3	17
22	Kirrel2 is differentially required in populations of olfactory sensory neurons for the targeting of axons in the olfactory bulb. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	14
23	Molecular and structural basis of olfactory sensory neuron axon coalescence by Kirrel receptors. <i>Cell Reports</i> , 2021, 37, 109940.	6.4	7
24	Transsynaptic cerebellin 4 α neogenin 1 signaling mediates LTP in the mouse dentate gyrus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2123421119.	7.1	6
25	Spatiotemporal expression of IgLON family members in the developing mouse nervous system. <i>Scientific Reports</i> , 2021, 11, 19536.	3.3	4
26	Automated quantification of vomeronasal glomeruli number, size, and color composition after immunofluorescent staining. <i>Chemical Senses</i> , 2021, 46, .	2.0	1
27	ISDN2014_0412: Rgm α Neogenin signaling controls cell fate choice in the olfactory epithelium. <i>International Journal of Developmental Neuroscience</i> , 2015, 47, 124-124.	1.6	0
28	Axon guidance: Slit α Robo signaling. , 2020, , 147-173.		0