Jean-FranÃ§ois Cloutier

List of Publications by Year
in descending order

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	Transsynaptic cerebellin 4â€“neogenin 1 signaling mediates LTP in the mouse dentate gyrus. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2123421119.	7.1	6
2	Automated quantification of vomeronasal glomeruli number, size, and color composition after immunofluorescent staining. Chemical Senses, 2021, 46, .	2.0	1
3	Spatiotemporal expression of IgLON family members in the developing mouse nervous system. Scientific Reports, 2021, 11, 19536.	3.3	4
4	Molecular and structural basis of olfactory sensory neuron axon coalescence by Kirrel receptors. Cell Reports, 2021, 37, 109940.	6.4	7
5	The noradrenergic system is necessary for survival of vulnerable midbrain dopaminergic neurons: implications for development and Parkinson's disease. Neurobiology of Aging, 2020, 85, 22-37.	3.1	21
6	Remotely Produced and Axon-Derived Netrin-1 Instructs GABAergic Neuron Migration and Dopaminergic Substantia Nigra Development. Neuron, 2020, 107, 684-702.e9.	8.1	23
7	Axon guidance: Slitâ€“Robo signaling. , 2020, , 147-173.		0
8	Optimizing Nervous System-Specific Gene Targeting with Cre Driver Lines: Prevalence of Germline Recombination and Influencing Factors. Neuron, 2020, 106, 37-65.e5.	8.1	109
9	Extracellular phosphorylation drives the formation of neuronal circuitry. Nature Chemical Biology, 2019, 15, 1035-1042.	8.0	22
10	Kirrel2 is differentially required in populations of olfactory sensory neurons for the targeting of axons in the olfactory bulb. Development (Cambridge), 2019, 146, .	2.5	14
11	Netrin-1 Confines Rhombic Lip-Derived Neurons to the CNS. Cell Reports, 2018, 22, 1666-1680.	6.4	20
12	Loss of Kirrel family members alters glomerular structure and synapse numbers in the accessory olfactory bulb. Brain Structure and Function, 2018, 223, 307-319.	2.3	17
13	RGMB and neogenin control cell differentiation in the developing olfactory epithelium. Development (Cambridge), 2016, 143, 1534-1546.	2.5	28
14	Slitrk1 is localized to excitatory synapses and promotes their development. Scientific Reports, 2016, 6, 27343.	3.3	36
15	ISDN2014_0412: Rgmâ€bâ€Neogenin signaling controls cell fate choice in the olfactory epithelium. International Journal of Developmental Neuroscience, 2015, 47, 124-124.	1.6	0
16	Neural map formation and sensory coding in the vomeronasal system. Cellular and Molecular Life Sciences, 2015, 72, 4697-4709.	5.4	32
17	Complete Loss of Netrin-1 Results in Embryonic Lethality and Severe Axon Guidance Defects without Increased Neural Cell Death. Cell Reports, 2015, 12, 1099-1106.	6.4	82
18	Cellular and molecular mechanisms regulating embryonic neurogenesis in the rodent olfactory epithelium. International Journal of Developmental Neuroscience, 2014, 37, 76-86.	1.6	18

#	Article	IF	Citations
19	Kirrel3 is required for the coalescence of vomeronasal sensory neuron axons into glomeruli and for male-male aggression. Development (Cambridge), 2013, 140, 2398-2408.	2.5	57
20	Slits and Robo-2 regulate the coalescence of subsets of olfactory sensory neuron axons within the ventral region of the olfactory bulb. Developmental Biology, 2012, 371, 269-279.	2.0	20
21	The Pattern of Glomerular Map Formation Defines Responsiveness to Aversive Odorants in Mice. Journal of Neuroscience, 2011, 31, 7920-7926.	3.6	34
22	Neogenin May Functionally Substitute for Dcc in Chicken. PLoS ONE, 2011, 6, e22072.	2.5	32
23	Robo-2 Controls the Segregation of a Portion of Basal Vomeronasal Sensory Neuron Axons to the Posterior Region of the Accessory Olfactory Bulb. Journal of Neuroscience, 2009, 29, 14211-14222.	3.6	41
24	Differential expression of slitrk family members in the mouse nervous system. Developmental Dynamics, 2009, 238, 3285-3296.	1.8	40
25	Axon Guidance Events in the Wiring of the Mammalian Olfactory System. Molecular Neurobiology, 2009, 39, 1-9.	4.0	28
26	Requirement for Slit-1 and Robo-2 in Zonal Segregation of Olfactory Sensory Neuron Axons in the Main Olfactory Bulb. Journal of Neuroscience, 2007, 27, 9094-9104.	3.6	105
27	Differential Requirements for Semaphorin 3F and Slit-1 in Axonal Targeting, Fasciculation, and Segregation of Olfactory Sensory Neuron Projections. Journal of Neuroscience, 2004, 24, 9087-9096.	3.6	107
28	Neuropilin-2 Mediates Axonal Fasciculation, Zonal Segregation, but Not Axonal Convergence, of Primary Accessory Olfactory Neurons. Neuron, 2002, 33, 877-892.	8.1	134