Martin Deschenes

List of Publications by Year in descending order

19 papers	1,454 citations	567281 15 h-index	839539 18 g-index
20 all docs	20 docs citations	20 times ranked	1196 citing authors

#	Article	IF	Citations
1	Hierarchy of orofacial rhythms revealed through whisking and breathing. Nature, 2013, 497, 205-210.	27.8	280
2	Parallel Streams for the Relay of Vibrissal Information through Thalamic Barreloids. Journal of Neuroscience, 2000, 20, 7455-7462.	3.6	170
3	Sniffing and whisking in rodents. Current Opinion in Neurobiology, 2012, 22, 243-250.	4.2	155
4	Neuronal Basis for Object Location in the Vibrissa Scanning Sensorimotor System. Neuron, 2011, 72, 455-468.	8.1	152
5	Thalamic projections from the whisker-sensitive regions of the spinal trigeminal complex in the rat. , 2000, 420, 233-243.		132
6	Vibrissa Self-Motion and Touch Are Reliably Encoded along the Same Somatosensory Pathway from Brainstem through Thalamus. PLoS Biology, 2015, 13, e1002253.	5.6	113
7	More than a rhythm of life: breathing as a binder of orofacial sensation. Nature Neuroscience, 2014, 17, 647-651.	14.8	92
8	Inhibition, Not Excitation, Drives Rhythmic Whisking. Neuron, 2016, 90, 374-387.	8.1	63
9	Circuits in the Rodent Brainstem that Control Whisking in Concert with Other Orofacial Motor Actions. Neuroscience, 2018, 368, 152-170.	2.3	57
10	Whisking, Sniffing, and the Hippocampal Î¸-Rhythm: A Tale of Two Oscillators. PLoS Biology, 2016, 14, e1002385.	5.6	39
11	The Musculature That Drives Active Touch by Vibrissae and Nose in Mice. Anatomical Record, 2015, 298, 1347-1358.	1.4	37
12	Parallel Inhibitory and Excitatory Trigemino-Facial Feedback Circuitry for Reflexive Vibrissa Movement. Neuron, 2017, 95, 673-682.e4.	8.1	36
13	Angular Tuning Bias of Vibrissa-Responsive Cells in the Paralemniscal Pathway. Journal of Neuroscience, 2006, 26, 10548-10557.	3.6	35
14	The Brainstem Oscillator for Whisking and the Case for Breathing as the Master Clock for Orofacial Motor Actions. Cold Spring Harbor Symposia on Quantitative Biology, 2014, 79, 29-39.	1.1	27
15	Muscles Involved in Naris Dilation and Nose Motion in Rat. Anatomical Record, 2015, 298, 546-553.	1.4	21
16	Circuits in the Ventral Medulla That Phase-Lock Motoneurons for Coordinated Sniffing and Whisking. Neural Plasticity, 2016, 2016, 1-9.	2.2	20
17	Activation and measurement of free whisking in the lightly anesthetized rodent. Nature Protocols, 2014, 9, 1792-1802.	12.0	13
18	Juxtacellular Monitoring and Localization of Single Neurons within Sub-cortical Brain Structures of Alert, Head-restrained Rats. Journal of Visualized Experiments, 2015, , .	0.3	7

#	Article	IF	Citations
19	A vibrissa pathway that activates the limbic system. ELife, 2022, 11, .	6.0	5