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List of Publications by Year
in descending order

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31 papers	2,329 citations	430754 18 h-index	434063 31 g-index
32 all docs	32 docs citations	32 times ranked	1599 citing authors

#	Article	IF	Citations
1	Active sensing in a dynamic olfactory world. Journal of Computational Neuroscience, 2022, 50, 1-6.	0.6	15
2	Thalamic activations in rat brain by fMRI during tactile (forepaw, whisker) and non-tactile (visual,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	1.1	3
3	An automated sensitive approach for measuring whole gut transit time. Neurogastroenterology and Motility, 2020, 32, e13894.	1.6	2
4	Orthonasal versus retronasal glomerular activity in rat olfactory bulb by fMRI. NeuroImage, 2020, 212, 116664.	2.1	19
5	A Comparison between Mouse,In Silico, and Robot Odor Plume Navigation Reveals Advantages of Mouse Odor Tracking. ENeuro, 2020, 7, ENEURO.0212-19.2019.	0.9	17
6	Spatiotemporal dynamics of odor responses in the lateral and dorsal olfactory bulb. PLoS Biology, 2019, 17, e3000409.	2.6	15
7	Spontaneous activity forms a foundation for odor-evoked activation maps in the rat olfactory bulb. NeuroImage, 2018, 172, 586-596.	2.1	6
8	Algorithms for Olfactory Search across Species. Journal of Neuroscience, 2018, 38, 9383-9389.	1.7	117
9	The Habituation/Cross-Habituation Test Revisited: Guidance from Sniffing and Video Tracking. Neural Plasticity, 2016, 2016, 1-14.	1.0	22
10	Respiration Gates Sensory Input Responses in the Mitral Cell Layer of the Olfactory Bulb. PLoS ONE, 2016, 11, e0168356.	1.1	13
11	Comparison of glomerular activity patterns by fMRI and wide-field calcium imaging: Implications for principles underlying odor mapping. NeuroImage, 2016, 126, 208-218.	2.1	19
12	A Role for Lung Retention in the Sense of Retronasal Smell. Chemosensory Perception, 2015, 8, 78-84.	0.7	7
13	Direct Behavioral and Neurophysiological Evidence for Retronasal Olfaction in Mice. PLoS ONE, 2015, 10, e0117218.	1.1	21
14	Retronasal odor concentration coding in glomeruli of the rat olfactory bulb. Frontiers in Integrative Neuroscience, 2014, 8, 81.	1.0	15
15	Perception of Odors Linked to Precise Timing in the Olfactory System. PLoS Biology, 2014, 12, e1002021.	2.6	42
16	Retronasal Odor Representations in the Dorsal Olfactory Bulb of Rats. Journal of Neuroscience, 2012, 32, 7949-7959.	1.7	49
17	Direct Behavioral Evidence for Retronasal Olfaction in Rats. PLoS ONE, 2012, 7, e44781.	1.1	31
18	The Representation of Information About Taste and Odor in the Orbitofrontal Cortex. Chemosensory Perception, 2010, 3, 16-33.	0.7	69

#	Article	IF	Citations
19	Evidence that the Sweetness of Odors Depends on Experience in Rats. Chemical Senses, 2010, 35, 767-776.	1.1	38
20	Why Sniff Fast? The Relationship Between Sniff Frequency, Odor Discrimination, and Receptor Neuron Activation in the Rat. Journal of Neurophysiology, 2009, 101, 1089-1102.	0.9	95
21	Temporal Structure of Receptor Neuron Input to the Olfactory Bulb Imaged in Behaving Rats. Journal of Neurophysiology, 2009, 101, 1073-1088.	0.9	159
22	Rapid Encoding and Perception of Novel Odors in the Rat. PLoS Biology, 2008, 6, e82.	2.6	173
23	Sniffing controls an adaptive filter of sensory input to the olfactory bulb. Nature Neuroscience, 2007, 10, 631-639.	7.1	346
24	The neurocognitive bases of human multimodal food perception: Consciousness. Brain Research Reviews, 2007, 53, 271-286.	9.1	66
25	The neurocognitive bases of human multimodal food perception: Sensory integration. Neuroscience and Biobehavioral Reviews, 2006, 30, 613-650.	2.9	315
26	Neuronal Representations of Stimuli in the Mouth: The Primate Insular Taste Cortex, Orbitofrontal Cortex and Amygdala. Chemical Senses, 2005, 30, 401-419.	1.1	150
27	Artificial neural network analysis of gustatory responses in the thalamic taste relay of the rat. Physiology and Behavior, 2004, 80, 499-513.	1.0	39
28	Primate Insular/Opercular Taste Cortex: Neuronal Representations of the Viscosity, Fat Texture, Grittiness, Temperature, and Taste of Foods. Journal of Neurophysiology, 2004, 92, 1685-1699.	0.9	169
29	A simple method for reconditioning epoxy-coated microelectrodes for extracellular single neuron recording. Journal of Neuroscience Methods, 2003, 123, 215-217.	1.3	16
30	Representations of the Texture of Food in the Primate Orbitofrontal Cortex: Neurons Responding to Viscosity, Grittiness, and Capsaicin. Journal of Neurophysiology, 2003, 90, 3711-3724.	0.9	139
31	Neurons in the Primate Orbitofrontal Cortex Respond to Fat Texture Independently of Viscosity. Journal of Neurophysiology, 2003, 90, 1514-1525.	0.9	142