

Tichy Harald

List of Publications by Year in descending order

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18
papers

281
citations

933447

10
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

220
citing authors

#	ARTICLE	IF	CITATIONS
1	The Performance of Olfactory Receptor Neurons: The Rate of Concentration Change Indicates Functional Specializations in the Cockroach Peripheral Olfactory System. <i>Frontiers in Physiology</i> , 2020, 11, 599086.	2.8	2
2	Developing and testing of an air dilution flow olfactometer with known rates of concentration change. <i>Journal of Neuroscience Methods</i> , 2020, 341, 108794.	2.5	9
3	Encoding of Slowly Fluctuating Concentration Changes by Cockroach Olfactory Receptor Neurons Is Invariant to Air Flow Velocity. <i>Frontiers in Physiology</i> , 2019, 10, 943.	2.8	5
4	Independent processing of increments and decrements in odorant concentration by ON and OFF olfactory receptor neurons. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2018, 204, 873-891.	1.6	16
5	Revisiting Theories of Humidity Transduction: A Focus on Electrophysiological Data. <i>Frontiers in Physiology</i> , 2017, 8, 650.	2.8	8
6	Rising Background Odor Concentration Reduces Sensitivity of ON and OFF Olfactory Receptor Neurons for Changes in Concentration. <i>Frontiers in Physiology</i> , 2016, 7, 63.	2.8	12
7	The Rate of Concentration Change and How It Determines the Resolving Power of Olfactory Receptor Neurons. <i>Frontiers in Physiology</i> , 2016, 7, 645.	2.8	7
8	The effect of convection on infrared detection by antennal warm cells in the bloodsucking bug <i>Rhodnius prolixus</i> . <i>Journal of Neurophysiology</i> , 2015, 113, 2250-2261.	1.8	2
9	Infrared detection without specialized infrared receptors in the bloodsucking bug <i>Rhodnius prolixus</i> . <i>Journal of Neurophysiology</i> , 2014, 112, 1606-1615.	1.8	11
10	Sensitivity of Honeybee Hygroreceptors to Slow Humidity Changes and Temporal Humidity Variation Detected in High Resolution by Mobile Measurements. <i>PLoS ONE</i> , 2014, 9, e99032.	2.5	20
11	The Evaporative Function of Cockroach Hygroreceptors. <i>PLoS ONE</i> , 2013, 8, e53998.	2.5	20
12	Adaptation as a mechanism for gain control in cockroach ON and OFF olfactory receptor neurons. <i>European Journal of Neuroscience</i> , 2012, 35, 519-526.	2.6	12
13	Functional Asymmetries in Cockroach ON and OFF Olfactory Receptor Neurons. <i>Journal of Neurophysiology</i> , 2011, 105, 834-845.	1.8	28
14	Adaptation as a Mechanism for Gain Control in an Insect Thermoreceptor. <i>Journal of Neurophysiology</i> , 2008, 100, 2137-2144.	1.8	7
15	Humidity-Dependent Cold Cells on the Antenna of the Stick Insect. <i>Journal of Neurophysiology</i> , 2007, 97, 3851-3858.	1.8	19
16	Olfactory receptors on the cockroach antenna signal odour ON and odour OFF by excitation. <i>European Journal of Neuroscience</i> , 2005, 22, 3147-3160.	2.6	28
17	Olfactory receptor cells on the cockroach antennae: responses to the direction and rate of change in food odour concentration. <i>European Journal of Neuroscience</i> , 2004, 19, 3389-3392.	2.6	21
18	Female sex pheromone of a wandering spider (<i>Cupiennius salei</i>): identification and sensory reception. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2001, 187, 75-78.	1.6	54