

David H Gire

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,420
citations

687363

13
h-index

794594

19
g-index

25
all docs

25
docs citations

25
times ranked

1091
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Properties of Cortical Feedback Projections to the Olfactory Bulb. <i>Neuron</i> , 2012, 76, 1175-1188.	8.1	210
2	Associative Cortex Features in the First Olfactory Brain Relay Station. <i>Neuron</i> , 2011, 69, 1176-1187.	8.1	165
3	Mitral Cells in the Olfactory Bulb Are Mainly Excited through a Multistep Signaling Path. <i>Journal of Neuroscience</i> , 2012, 32, 2964-2975.	3.6	145
4	Control of On/Off Glomerular Signaling by a Local GABAergic Microcircuit in the Olfactory Bulb. <i>Journal of Neuroscience</i> , 2009, 29, 13454-13464.	3.6	141
5	Algorithms for Olfactory Search across Species. <i>Journal of Neuroscience</i> , 2018, 38, 9383-9389.	3.6	117
6	Temporal Processing in the Olfactory System: Can We See a Smell?. <i>Neuron</i> , 2013, 78, 416-432.	8.1	101
7	Mice Develop Efficient Strategies for Foraging and Navigation Using Complex Natural Stimuli. <i>Current Biology</i> , 2016, 26, 1261-1273.	3.9	98
8	Information for decision-making and stimulus identification is multiplexed in sensory cortex. <i>Nature Neuroscience</i> , 2013, 16, 991-993.	14.8	82
9	γ Spike-Field Coherence in a Population of Olfactory Bulb Neurons Differentiates between Odors Irrespective of Associated Outcome. <i>Journal of Neuroscience</i> , 2015, 35, 5808-5822.	3.6	75
10	Long-Term Enhancement of Synchronized Oscillations by Adrenergic Receptor Activation in the Olfactory Bulb. <i>Journal of Neurophysiology</i> , 2008, 99, 2021-2025.	1.8	74
11	Precise Detection of Direct Glomerular Input Duration by the Olfactory Bulb. <i>Journal of Neuroscience</i> , 2014, 34, 16058-16064.	3.6	71
12	Natural behavior is the language of the brain. <i>Current Biology</i> , 2022, 32, R482-R493.	3.9	53
13	Adrenergic Receptor-Mediated Disinhibition of Mitral Cells Triggers Long-Term Enhancement of Synchronized Oscillations in the Olfactory Bulb. <i>Journal of Neurophysiology</i> , 2010, 104, 665-674.	1.8	29
14	A selective role for the mPFC during choice and deliberation, but not spatial memory retention over short delays. <i>Hippocampus</i> , 2021, 31, 690-700.	1.9	12
15	Plume Dynamics Structure the Spatiotemporal Activity of Mitral/Tufted Cell Networks in the Mouse Olfactory Bulb. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 633757.	3.7	11
16	Many Paths to the Same Goal: Balancing Exploration and Exploitation during Probabilistic Route Planning. <i>ENeuro</i> , 2020, 7, ENEURO.0536-19.2020.	1.9	11
17	Balancing Extrasynaptic Excitation and Synaptic Inhibition within Olfactory Bulb Glomeruli. <i>ENeuro</i> , 2019, 6, ENEURO.0247-19.2019.	1.9	9
18	Using Head-Mounted Ethanol Sensors to Monitor Olfactory Information and Determine Behavioral Changes Associated with Ethanol-Plume Contact during Mouse Odor-Guided Navigation. <i>ENeuro</i> , 2021, 8, ENEURO.0285-20.2020.	1.9	6

#	ARTICLE	IF	CITATIONS
19	Taken out of Context: A Novel Cognitive Role for a Premotor Circuit. <i>Neuron</i> , 2020, 106, 206-208.	8.1	1
20	A Machine Learning Approach for Detecting Vicarious Trial and Error Behaviors. <i>Frontiers in Neuroscience</i> , 2021, 15, 676779.	2.8	1