

Thomas Heinbockel

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,939
citations

279798

23
h-index

276875

41
g-index

68
all docs

68
docs citations

68
times ranked

2450
citing authors

#	ARTICLE	IF	CITATIONS
1	More Than Smell—COVID-19 Is Associated With Severe Impairment of Smell, Taste, and Chemesthesis. <i>Chemical Senses</i> , 2020, 45, 609-622.	2.0	375
2	Recent Smell Loss Is the Best Predictor of COVID-19 Among Individuals With Recent Respiratory Symptoms. <i>Chemical Senses</i> , 2021, 46, .	2.0	119
3	Putative Cortical and Thalamic Inputs Elicit Convergent Excitation in a Population of GABAergic Interneurons of the Lateral Amygdala. <i>Journal of Neuroscience</i> , 2000, 20, 8909-8915.	3.6	105
4	Direct Excitation of Mitral Cells Via Activation of α 1-Noradrenergic Receptors in Rat Olfactory Bulb Slices. <i>Journal of Neurophysiology</i> , 2001, 86, 2173-2182.	1.8	73
5	Olfactory information processing in the brain: Encoding chemical and temporal features of odors. , 1996, 30, 82-91.		71
6	Input-Specific Long-Term Depression in the Lateral Amygdala Evoked by Theta Frequency Stimulation. <i>Journal of Neuroscience</i> , 2000, 20, RC68-RC68.	3.6	60
7	Endocannabinoid Signaling Dynamics Probed with Optical Tools. <i>Journal of Neuroscience</i> , 2005, 25, 9449-9459.	3.6	60
8	Essential Oils and Their Constituents Targeting the GABAergic System and Sodium Channels as Treatment of Neurological Diseases. <i>Molecules</i> , 2018, 23, 1061.	3.8	60
9	Regulation of Main Olfactory Bulb Mitral Cell Excitability by Metabotropic Glutamate Receptor mGluR1. <i>Journal of Neurophysiology</i> , 2004, 92, 3085-3096.	1.8	58
10	Variability of olfactory receptor neuron responses of female silkmoths (<i>Bombyx mori</i> L.) to benzoic acid and (\pm)-linalool. <i>Journal of Insect Physiology</i> , 1996, 42, 565-578.	2.0	56
11	Temporal tuning of odor responses in pheromone-responsive projection neurons in the brain of the sphinx moth <i>Manduca sexta</i> . <i>Journal of Comparative Neurology</i> , 1999, 409, 1-12.	1.6	55
12	Properties of external plexiform layer interneurons in mouse olfactory bulb slices. <i>Neuroscience</i> , 2005, 133, 819-829.	2.3	51
13	Pheromone-evoked potentials and oscillations in the antennal lobes of the sphinx moth <i>Manduca sexta</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1998, 182, 703-714.	1.6	50
14	The Effects of Essential Oils and Terpenes in Relation to Their Routes of Intake and Application. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1558.	4.1	50
15	Representation of binary pheromone blends by glomerulus-specific olfactory projection neurons. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2004, 190, 1023-1037.	1.6	39
16	Ginseng derivative ocotillol enhances neuronal activity through increased glutamate release: a possible mechanism underlying increased spontaneous locomotor activity of mice. <i>Neuroscience</i> , 2011, 195, 1-8.	2.3	37
17	Cannabinoid Receptor-Mediated Regulation of Neuronal Activity and Signaling in Glomeruli of the Main Olfactory Bulb. <i>Journal of Neuroscience</i> , 2012, 32, 8475-8479.	3.6	36
18	Inhibition of Nav1.7 channels by methyl eugenol as a mechanism underlying its antinociceptive and anesthetic actions. <i>Acta Pharmacologica Sinica</i> , 2015, 36, 791-799.	6.1	35

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19	Metabotropic Glutamate Receptors in the Main Olfactory Bulb Drive Granule Cell-Mediated Inhibition. <i>Journal of Neurophysiology</i> , 2007, 97, 858-870.	1.8	33
20	Possible Use of Phytochemicals for Recovery from COVID-19-Induced Anosmia and Ageusia. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8912.	4.1	32
21	Identification of both GABAA receptors and voltage-activated Na ⁺ channels as molecular targets of anticonvulsant α -asarone. <i>Frontiers in Pharmacology</i> , 2014, 5, 40.	3.5	29
22	Neuromodulation of Synaptic Transmission in the Main Olfactory Bulb. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2194.	2.6	29
23	Olfactory Nerve-Evoked, Metabotropic Glutamate Receptor-Mediated Synaptic Responses in Rat Olfactory Bulb Mitral Cells. <i>Journal of Neurophysiology</i> , 2006, 95, 2233-2241.	1.8	28
24	Inhibitory Interactions Among Olfactory Glomeruli Do Not Necessarily Reflect Spatial Proximity. <i>Journal of Neurophysiology</i> , 2008, 100, 554-564.	1.8	27
25	Astrocyte fatty acid binding protein-7 is a marker for neurogenic niches in the rat hippocampus. <i>Hippocampus</i> , 2013, 23, 1476-1483.	1.9	23
26	The basal forebrain modulates spontaneous activity of principal cells in the main olfactory bulb of anesthetized mice. <i>Frontiers in Neural Circuits</i> , 2013, 7, 148.	2.8	22
27	Resibufogenin and Cinobufagin Activate Central Neurons through an Ouabain-Like Action. <i>PLoS ONE</i> , 2014, 9, e113272.	2.5	22
28	A Substituted Anilino Enaminone Acts as a Novel Positive Allosteric Modulator of GABA _A Receptors in the Mouse Brain. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 336, 916-924.	2.5	21
29	Antennal receptive fields of pheromone-responsive projection neurons in the antennal lobes of the male sphinx moth <i>Manduca sexta</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1998, 183, 121-133.	1.6	19
30	Protective Effects of Donepezil Against Alcohol-Induced Toxicity in Cell Culture: Role of Caspase-3. <i>Neurotoxicity Research</i> , 2018, 34, 757-762.	2.7	17
31	The Olfactory System as Marker of Neurodegeneration in Aging, Neurological and Neuropsychiatric Disorders. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 6976.	2.6	17
32	The Effects of Quinine on Neurophysiological Properties of Dopaminergic Neurons. <i>Neurotoxicity Research</i> , 2018, 34, 62-73.	2.7	16
33	Epigenetic Effects of Drugs of Abuse. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2098.	2.6	14
34	Modulatory effects of adenosine on inhibitory postsynaptic potentials in the lateral amygdala of the rat. <i>British Journal of Pharmacology</i> , 1999, 128, 190-196.	5.4	13
35	Allosteric Modulation of GABAA Receptors by an Anilino Enaminone in an Olfactory Center of the Mouse Brain. <i>Pharmaceuticals</i> , 2014, 7, 1069-1090.	3.8	13
36	The Effect of Citalopram on Genome-Wide DNA Methylation of Human Cells. <i>International Journal of Genomics</i> , 2018, 2018, 1-12.	1.6	13

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37	Group I Metabotropic Glutamate Receptors Are Differentially Expressed by Two Populations of Olfactory Bulb Granule Cells. <i>Journal of Neurophysiology</i> , 2007, 97, 3136-3141.	1.8	12
38	Cannabinoid receptor-mediated modulation of inhibitory inputs to mitral cells in the main olfactory bulb. <i>Journal of Neurophysiology</i> , 2019, 122, 749-759.	1.8	11
39	Endocannabinoid-Mediated Neuromodulation in the Olfactory Bulb: Functional and Therapeutic Significance. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2850.	4.1	11
40	Glomerular interactions in olfactory processing channels of the antennal lobes. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2013, 199, 929-946.	1.6	10
41	6 Hz Active Anticonvulsant Fluorinated N-Benzamide Enaminones and Their Inhibitory Neuronal Activity. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1784.	2.6	10
42	Metabotropic Glutamate Receptors and Dendrodendritic Synapses in the Main Olfactory Bulb. <i>Annals of the New York Academy of Sciences</i> , 2009, 1170, 224-238.	3.8	9
43	Cellular Mechanisms of Action of Drug Abuse on Olfactory Neurons. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 5.	2.6	9
44	Synaptic mechanisms of NMDA-mediated hyperpolarization in lateral amygdaloid projection neurons. <i>NeuroReport</i> , 2000, 11, 2501-2506.	1.2	8
45	Orchestration of the circadian clock and its association with Alzheimer's disease: Role of endocannabinoid signaling. <i>Ageing Research Reviews</i> , 2022, 73, 101533.	10.9	8
46	Cannabinoids Regulate Sensory Processing in Early Olfactory and Visual Neural Circuits. <i>Frontiers in Neural Circuits</i> , 2021, 15, 662349.	2.8	7
47	Cellular processes in the amygdala: gates to emotional memory?. <i>Zoology</i> , 2001, 104, 232-240.	1.2	6
48	Introductory Chapter: Mechanisms and Function of Synaptic Plasticity. , 0, , .		4
49	Chemical Constituents of Essential Oils Used in Olfactory Training: Focus on COVID-19 Induced Olfactory Dysfunction. <i>Frontiers in Pharmacology</i> , 2022, 13, .	3.5	4
50	Neurochemical Communication: The Case of Endocannabinoids. , 2014, , .		3
51	Endocannabinoid-mediated neuromodulation in the main olfactory bulb at the interface of environmental stimuli and central neural processing. <i>European Journal of Neuroscience</i> , 2022, 55, 1002-1014.	2.6	3
52	Introductory Chapter: Organization and Function of Sensory Nervous Systems. , 2018, , .		2
53	Introductory Chapter: Histological Microtechniques. , 2019, , .		2
54	Introductory Chapter: The Chemical Basis of Neural Function and Dysfunction. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
55	Endocannabinoid Signaling in Neural Circuits of the Olfactory and Limbic System. , 2016, , .		1
56	Neurological and Neuropsychiatric Disorders in Relation to Olfactory Dysfunction. , 0, , .		1
57	Lepidoptera, Moths and Butterflies, Volume 2: Morphology, Physiology, and Development Handbook of Zoology: A Natural History of the Phyla of the Animal Kingdom Volume IV Arthropoda: Insecta, Part 36. Annals of the Entomological Society of America, 2006, 99, 988-989.	2.5	0
58	Explaining the structure and function of nerve cells to elementary school children at Brains Rule! neurosciences expositions. FASEB Journal, 2007, 21, A219.	0.5	0
59	Understanding the olfactory system. , 2019, , 18-21.		0
60	Neurochemical Basis of Brain Function and Dysfunction. , 2019, , .		0
61	Cannabinoid Receptorâ€Mediated Synaptic Signaling and Neural Plasticity in Central Olfactory Neurons. FASEB Journal, 2022, 36, .	0.5	0