

Thomas Hnasko

List of Publications by Year in descending order

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57
papers

5,750
citations

117453

34
h-index

143772

57
g-index

66
all docs

66
docs citations

66
times ranked

7088
citing authors

#	ARTICLE	IF	CITATIONS
1	NPY/AgRP Neurons Are Essential for Feeding in Adult Mice but Can Be Ablated in Neonates. <i>Science</i> , 2005, 310, 683-685.	6.0	968
2	Dopaminergic Terminals in the Nucleus Accumbens But Not the Dorsal Striatum Corelease Glutamate. <i>Journal of Neuroscience</i> , 2010, 30, 8229-8233.	1.7	467
3	Vesicular Glutamate Transport Promotes Dopamine Storage and Glutamate Corelease In Vivo. <i>Neuron</i> , 2010, 65, 643-656.	3.8	363
4	Activation of the kappa opioid receptor in the dorsal raphe nucleus mediates the aversive effects of stress and reinstates drug seeking. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 19168-19173.	3.3	263
5	Neurotransmitter Corelease: Mechanism and Physiological Role. <i>Annual Review of Physiology</i> , 2012, 74, 225-243.	5.6	238
6	Ventral Tegmental Area Glutamate Neurons: Electrophysiological Properties and Projections. <i>Journal of Neuroscience</i> , 2012, 32, 15076-15085.	1.7	237
7	Morphine reward in dopamine-deficient mice. <i>Nature</i> , 2005, 438, 854-857.	13.7	235
8	Cre recombinase-mediated restoration of nigrostriatal dopamine in dopamine-deficient mice reverses hypophagia and bradykinesia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8858-8863.	3.3	196
9	Loss of Mitochondrial Fission Depletes Axonal Mitochondria in Midbrain Dopamine Neurons. <i>Journal of Neuroscience</i> , 2014, 34, 14304-14317.	1.7	165
10	Ventral tegmental area glutamate neurons co-release GABA and promote positive reinforcement. <i>Nature Communications</i> , 2016, 7, 13697.	5.8	151
11	Afferent Inputs to Neurotransmitter-Defined Cell Types in the Ventral Tegmental Area. <i>Cell Reports</i> , 2016, 15, 2796-2808.	2.9	145
12	Opponent control of behavioral reinforcement by inhibitory and excitatory projections from the ventral pallidum. <i>Nature Communications</i> , 2018, 9, 849.	5.8	145
13	Laminar and Columnar Development of Barrel Cortex Relies on Thalamocortical Neurotransmission. <i>Neuron</i> , 2013, 79, 970-986.	3.8	132
14	The Western Blot. <i>Methods in Molecular Biology</i> , 2015, 1318, 87-96.	0.4	126
15	Palatability Can Drive Feeding Independent of AgRP Neurons. <i>Cell Metabolism</i> , 2015, 22, 646-657.	7.2	122
16	Circuits for Grasping: Spinal dl3 Interneurons Mediate Cutaneous Control of Motor Behavior. <i>Neuron</i> , 2013, 78, 191-204.	3.8	121
17	The multilingual nature of dopamine neurons. <i>Progress in Brain Research</i> , 2014, 211, 141-164.	0.9	121
18	VGLUT2 expression in primary afferent neurons is essential for normal acute pain and injury-induced heat hypersensitivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 22296-22301.	3.3	98

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19	Dysregulation of dopamine signaling in the dorsal striatum inhibits feeding. <i>Brain Research</i> , 2005, 1061, 88-96.	1.1	96
20	Cocaine-Conditioned Place Preference by Dopamine-Deficient Mice Is Mediated by Serotonin. <i>Journal of Neuroscience</i> , 2007, 27, 12484-12488.	1.7	89
21	VTA Glutamate Neuron Activity Drives Positive Reinforcement Absent Dopamine Co-release. <i>Neuron</i> , 2020, 107, 864-873.e4.	3.8	85
22	Identification of Minimal Neuronal Networks Involved in Flexor-Extensor Alternation in the Mammalian Spinal Cord. <i>Neuron</i> , 2011, 71, 1071-1084.	3.8	79
23	Causal role for the subthalamic nucleus in interrupting behavior. <i>ELife</i> , 2017, 6, .	2.8	74
24	Role for VGLUT2 in selective vulnerability of midbrain dopamine neurons. <i>Journal of Clinical Investigation</i> , 2018, 128, 774-788.	3.9	72
25	Presynaptic regulation of quantal size: K ⁺ /H ⁺ exchange stimulates vesicular glutamate transport. <i>Nature Neuroscience</i> , 2011, 14, 1285-1292.	7.1	66
26	Viral restoration of dopamine signaling to the dorsal striatum restores instrumental conditioning to dopamine-deficient mice. <i>Psychopharmacology</i> , 2007, 191, 567-578.	1.5	62
27	Pathway-Specific Genetic Attenuation of Glutamate Release Alters Select Features of Competition-Based Visual Circuit Refinement. <i>Neuron</i> , 2011, 71, 235-242.	3.8	55
28	Dietary triglycerides act on mesolimbic structures to regulate the rewarding and motivational aspects of feeding. <i>Molecular Psychiatry</i> , 2014, 19, 1095-1105.	4.1	54
29	Circulating Triglycerides Gate Dopamine-Associated Behaviors through DRD2-Expressing Neurons. <i>Cell Metabolism</i> , 2020, 31, 773-790.e11.	7.2	52
30	Tyramide Signal Amplification for Immunofluorescent Enhancement. <i>Methods in Molecular Biology</i> , 2015, 1318, 161-172.	0.4	51
31	Genetic Isolation of Hypothalamic Neurons that Regulate Context-Specific Male Social Behavior. <i>Cell Reports</i> , 2016, 16, 304-313.	2.9	49
32	Activation of Pedunculopontine Glutamate Neurons Is Reinforcing. <i>Journal of Neuroscience</i> , 2017, 37, 38-46.	1.7	47
33	Viral restoration of dopamine to the nucleus accumbens is sufficient to induce a locomotor response to amphetamine. <i>Brain Research</i> , 2003, 980, 266-274.	1.1	43
34	Ventral pallidum is essential for cocaine relapse after voluntary abstinence in rats. <i>Neuropsychopharmacology</i> , 2019, 44, 2174-2185.	2.8	43
35	Disrupting Glutamate Co-transmission Does Not Affect Acquisition of Conditioned Behavior Reinforced by Dopamine Neuron Activation. <i>Cell Reports</i> , 2017, 18, 2584-2591.	2.9	42
36	Therapeutically viable generation of neurons with antisense oligonucleotide suppression of PTB. <i>Nature Neuroscience</i> , 2021, 24, 1089-1099.	7.1	40

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37	Sex-dependent changes in metabolism and behavior, as well as reduced anxiety after eliminating ventromedial hypothalamus excitatory output. <i>Molecular Metabolism</i> , 2015, 4, 857-866.	3.0	37
38	The NeuroD6 Subtype of VTA Neurons Contributes to Psychostimulant Sensitization and Behavioral Reinforcement. <i>ENeuro</i> , 2019, 6, ENEURO.0066-19.2019.	0.9	34
39	A role for dopamine in feeding responses produced by orexigenic agents. <i>Brain Research</i> , 2004, 1023, 309-318.	1.1	31
40	Neonatal Nicotine Exposure Primes Midbrain Neurons to a Dopaminergic Phenotype and Increases Adult Drug Consumption. <i>Biological Psychiatry</i> , 2019, 86, 344-355.	0.7	31
41	Ventral Pallidum GABA Neurons Mediate Motivation Underlying Risky Choice. <i>Journal of Neuroscience</i> , 2021, 41, 4500-4513.	1.7	24
42	Alcohol dependence potentiates substance P/neurokinin-1 receptor signaling in the rat central nucleus of amygdala. <i>Science Advances</i> , 2020, 6, eaaz1050.	4.7	21
43	Vesicular glutamate transporter modulates sex differences in dopamine neuron vulnerability to age-related neurodegeneration. <i>Aging Cell</i> , 2021, 20, e13365.	3.0	20
44	Glutamatergic Neurotransmission from Melanopsin Retinal Ganglion Cells Is Required for Neonatal Photoaversion but Not Adult Pupillary Light Reflex. <i>PLoS ONE</i> , 2013, 8, e83974.	1.1	19
45	Differential Expression of VGLUT2 in Mouse Mesopontine Cholinergic Neurons. <i>ENeuro</i> , 2019, 6, ENEURO.0161-19.2019.	0.9	18
46	Dopamine neurons exhibit emergent glutamatergic identity in Parkinson's disease. <i>Brain</i> , 2022, 145, 879-886.	3.7	17
47	Mechanism for differential recruitment of orbitostriatal transmission during actions and outcomes following chronic alcohol exposure. <i>ELife</i> , 2021, 10, .	2.8	16
48	Activation of Subthalamic Nucleus Stop Circuit Disrupts Cognitive Performance. <i>ENeuro</i> , 2020, 7, ENEURO.0159-20.2020.	0.9	16
49	Genetic Disruption of Dopamine Production Results in Pituitary Adenomas and Severe Prolactinemia. <i>Neuroendocrinology</i> , 2007, 86, 48-57.	1.2	14
50	Genetic inhibition of neurotransmission reveals role of glutamatergic input to dopamine neurons in high-effort behavior. <i>Molecular Psychiatry</i> , 2018, 23, 1213-1225.	4.1	13
51	Dietary triglycerides as signaling molecules that influence reward and motivation. <i>Current Opinion in Behavioral Sciences</i> , 2016, 9, 126-135.	2.0	12
52	Activation of Pedunculopontine Glutamate Neurons Is Reinforcing. <i>Journal of Neuroscience</i> , 2017, 37, 38-46.	1.7	8
53	Disruption of VGLUT1 in Cholinergic Medial Habenula Projections Increases Nicotine Self-Administration. <i>ENeuro</i> , 2022, 9, ENEURO.0481-21.2021.	0.9	7
54	Genetic Probe for Visualizing Glutamatergic Synapses and Vesicles by 3D Electron Microscopy. <i>ACS Chemical Neuroscience</i> , 2021, 12, 626-639.	1.7	4

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55	Synaptic Vesicles: Half Full or Half Empty?. Neuron, 2006, 51, 523-524.	3.8	2
56	The Dopamine Receptor Subtype 2 (DRD2) Regulates the Central Reinforcing Actions of Dietary Lipids in Humans and Rodents. SSRN Electronic Journal, 0, , .	0.4	1
57	Modulation of Ventromedial Orbitofrontal Cortical Glutamatergic Activity Affects the Explore/Exploit Trade-Off and Influences Reward-Related Decision-Making. Biological Psychiatry, 2022, 91, S6.	0.7	0