

Ming-Hu Han

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

11,649
citations

57752

44
h-index

79691

73
g-index

83
all docs

83
docs citations

83
times ranked

11730
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Adaptations Underlying Susceptibility and Resistance to Social Defeat in Brain Reward Regions. <i>Cell</i> , 2007, 131, 391-404.	28.9	1,927
2	Rapid regulation of depression-related behaviours by control of midbrain dopamine neurons. <i>Nature</i> , 2013, 493, 532-536.	27.8	961
3	Neurobiology of resilience. <i>Nature Neuroscience</i> , 2012, 15, 1475-1484.	14.8	934
4	Cell Type-Specific Loss of BDNF Signaling Mimics Optogenetic Control of Cocaine Reward. <i>Science</i> , 2010, 330, 385-390.	12.6	778
5	Enhancing Depression Mechanisms in Midbrain Dopamine Neurons Achieves Homeostatic Resilience. <i>Science</i> , 2014, 344, 313-319.	12.6	409
6	Ventral hippocampal afferents to the nucleus accumbens regulate susceptibility to depression. <i>Nature Communications</i> , 2015, 6, 7062.	12.8	356
7	Mesolimbic Dopamine Neurons in the Brain Reward Circuit Mediate Susceptibility to Social Defeat and Antidepressant Action. <i>Journal of Neuroscience</i> , 2010, 30, 16453-16458.	3.6	334
8	CREB regulation of nucleus accumbens excitability mediates social isolation-induced behavioral deficits. <i>Nature Neuroscience</i> , 2009, 12, 200-209.	14.8	317
9	Dopaminergic dynamics underlying sex-specific cocaine reward. <i>Nature Communications</i> , 2017, 8, 13877.	12.8	256
10	HDAC2 regulates atypical antipsychotic responses through the modulation of mGlu2 promoter activity. <i>Nature Neuroscience</i> , 2012, 15, 1245-1254.	14.8	247
11	IKK Kinase Regulates Social Defeat Stress-Induced Synaptic and Behavioral Plasticity. <i>Journal of Neuroscience</i> , 2011, 31, 314-321.	3.6	243
12	FosB Induction in Striatal Medium Spiny Neuron Subtypes in Response to Chronic Pharmacological, Emotional, and Optogenetic Stimuli. <i>Journal of Neuroscience</i> , 2013, 33, 18381-18395.	3.6	211
13	Locus-specific epigenetic remodeling controls addiction- and depression-related behaviors. <i>Nature Neuroscience</i> , 2014, 17, 1720-1727.	14.8	193
14	Basal forebrain projections to the lateral habenula modulate aggression reward. <i>Nature</i> , 2016, 534, 688-692.	27.8	193
15	Epigenetic modulation of inflammation and synaptic plasticity promotes resilience against stress in mice. <i>Nature Communications</i> , 2018, 9, 477.	12.8	185
16	Stress and CRF gate neural activation of BDNF in the mesolimbic reward pathway. <i>Nature Neuroscience</i> , 2014, 17, 27-29.	14.8	178
17	Polycomb repressive complex 2 (PRC2) silences genes responsible for neurodegeneration. <i>Nature Neuroscience</i> , 2016, 19, 1321-1330.	14.8	178
18	Establishment of a repeated social defeat stress model in female mice. <i>Scientific Reports</i> , 2017, 7, 12838.	3.3	176

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19	Neurobiology of Resilience: Interface Between Mind and Body. <i>Biological Psychiatry</i> , 2019, 86, 410-420.	1.3	175
20	BDNF Is a Negative Modulator of Morphine Action. <i>Science</i> , 2012, 338, 124-128.	12.6	167
21	Essential Role of Mesolimbic Brain-Derived Neurotrophic Factor in Chronic Social Stress-Induced Depressive Behaviors. <i>Biological Psychiatry</i> , 2016, 80, 469-478.	1.3	164
22	AKT Signaling within the Ventral Tegmental Area Regulates Cellular and Behavioral Responses to Stressful Stimuli. <i>Biological Psychiatry</i> , 2008, 64, 691-700.	1.3	156
23	Class I HDAC inhibition blocks cocaine-induced plasticity by targeted changes in histone methylation. <i>Nature Neuroscience</i> , 2013, 16, 434-440.	14.8	145
24	MicroRNAs 146a/b-5 and 425-3p and 24-3p are markers of antidepressant response and regulate MAPK/Wnt-system genes. <i>Nature Communications</i> , 2017, 8, 15497.	12.8	144
25	Neural Substrates of Depression and Resilience. <i>Neurotherapeutics</i> , 2017, 14, 677-686.	4.4	139
26	Role for mTOR Signaling and Neuronal Activity in Morphine-Induced Adaptations in Ventral Tegmental Area Dopamine Neurons. <i>Neuron</i> , 2011, 72, 977-990.	8.1	122
27	Diversity of Dopaminergic Neural Circuits in Response to Drug Exposure. <i>Neuropsychopharmacology</i> , 2016, 41, 2424-2446.	5.4	119
28	Identification of a Brainstem Circuit Controlling Feeding. <i>Cell</i> , 2017, 170, 429-442.e11.	28.9	110
29	Loss of BDNF Signaling in D1R-Expressing NAc Neurons Enhances Morphine Reward by Reducing GABA Inhibition. <i>Neuropsychopharmacology</i> , 2014, 39, 2646-2653.	5.4	109
30	KCNQ channel openers reverse depressive symptoms via an active resilience mechanism. <i>Nature Communications</i> , 2016, 7, 11671.	12.8	109
31	Role of cAMP Response Element-Binding Protein in the Rat Locus Ceruleus: Regulation of Neuronal Activity and Opiate Withdrawal Behaviors. <i>Journal of Neuroscience</i> , 2006, 26, 4624-4629.	3.6	108
32	Specific Role of VTA Dopamine Neuronal Firing Rates and Morphology in the Reversal of Anxiety-Related, but not Depression-Related Behavior in the Clock ⁰ 19 Mouse Model of Mania. <i>Neuropsychopharmacology</i> , 2011, 36, 1478-1488.	5.4	106
33	Neuronal correlates of depression. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 4825-4848.	5.4	101
34	Nuclear BK channels regulate gene expression via the control of nuclear calcium signaling. <i>Nature Neuroscience</i> , 2014, 17, 1055-1063.	14.8	93
35	Regulation of RGS proteins by chronic morphine in rat locus coeruleus. <i>European Journal of Neuroscience</i> , 2003, 17, 971-980.	2.6	92
36	Extracellular Signal-Regulated Kinase-2 within the Ventral Tegmental Area Regulates Responses to Stress. <i>Journal of Neuroscience</i> , 2010, 30, 7652-7663.	3.6	87

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37	Excitatory transmission at thalamo-striatal synapses mediates susceptibility to social stress. <i>Nature Neuroscience</i> , 2015, 18, 962-964.	14.8	86
38	G9a influences neuronal subtype specification in striatum. <i>Nature Neuroscience</i> , 2014, 17, 533-539.	14.8	78
39	Role of Mesolimbic Brain-Derived Neurotrophic Factor in Depression. <i>Biological Psychiatry</i> , 2019, 86, 738-748.	1.3	76
40	Brain-Derived Neurotrophic Factor in the Mesolimbic Reward Circuitry Mediates Nociception in Chronic Neuropathic Pain. <i>Biological Psychiatry</i> , 2017, 82, 608-618.	1.3	75
41	Optogenetic inhibition of D1R containing nucleus accumbens neurons alters cocaine-mediated regulation of Tiam1. <i>Frontiers in Molecular Neuroscience</i> , 2013, 6, 13.	2.9	69
42	CREB Modulates the Functional Output of Nucleus Accumbens Neurons. <i>Journal of Biological Chemistry</i> , 2008, 283, 2751-2760.	3.4	66
43	Midbrain circuit regulation of individual alcohol drinking behaviors in mice. <i>Nature Communications</i> , 2017, 8, 2220.	12.8	63
44	Midbrain projection to the basolateral amygdala encodes anxiety-like but not depression-like behaviors. <i>Nature Communications</i> , 2022, 13, 1532.	12.8	56
45	β 1- and β 3-Adrenergic Receptor-Mediated Mesolimbic Homeostatic Plasticity Confers Resilience to Social Stress in Susceptible Mice. <i>Biological Psychiatry</i> , 2019, 85, 226-236.	1.3	53
46	Essential role of the cAMP-response-element binding protein pathway in opiate-induced homeostatic adaptations of locus coeruleus neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17011-17016.	7.1	51
47	Depression and Social Defeat Stress Are Associated with Inhibitory Synaptic Changes in the Nucleus Accumbens. <i>Journal of Neuroscience</i> , 2020, 40, 6228-6233.	3.6	50
48	Modulation of synaptic function by cGMP and cGMP-gated cation channels. <i>Neurochemistry International</i> , 2004, 45, 875-884.	3.8	43
49	Brain-derived neurotrophic factor-mediated projection-specific regulation of depressive-like and nociceptive behaviors in the mesolimbic reward circuitry. <i>Pain</i> , 2018, 159, 175-175.	4.2	43
50	HCN Channel Targets for Novel Antidepressant Treatment. <i>Neurotherapeutics</i> , 2017, 14, 698-715.	4.4	41
51	Transcriptional and physiological adaptations in nucleus accumbens somatostatin interneurons that regulate behavioral responses to cocaine. <i>Nature Communications</i> , 2018, 9, 3149.	12.8	41
52	Effects of the KCNQ channel opener ezogabine on functional connectivity of the ventral striatum and clinical symptoms in patients with major depressive disorder. <i>Molecular Psychiatry</i> , 2020, 25, 1323-1333.	7.9	40
53	Sex Differences in the Neuroadaptations of Reward-related Circuits in Response to Subchronic Variable Stress. <i>Neuroscience</i> , 2018, 376, 108-116.	2.3	39
54	Reinforcement-Related Regulation of AMPA Glutamate Receptor Subunits in the Ventral Tegmental Area Enhances Motivation for Cocaine. <i>Journal of Neuroscience</i> , 2011, 31, 7927-7937.	3.6	38

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55	Impact of the KCNQ2/3 Channel Opener Ezogabine on Reward Circuit Activity and Clinical Symptoms in Depression: Results From a Randomized Controlled Trial. <i>American Journal of Psychiatry</i> , 2021, 178, 437-446.	7.2	33
56	Protective effect of arachidonic acid on glutamate neurotoxicity in rat retinal ganglion cells. <i>Investigative Ophthalmology and Visual Science</i> , 2002, 43, 1835-42.	3.3	32
57	Chronic Pain Impairs Memory Formation via Disruption of Neurogenesis Mediated by Mesohippocampal Brain-Derived Neurotrophic Factor Signaling. <i>Biological Psychiatry</i> , 2020, 88, 597-610.	1.3	31
58	Desensitizing GABAC receptors on carp retinal bipolar cells. <i>NeuroReport</i> , 1997, 8, 1331-1335.	1.2	26
59	Zn ²⁺ differentially modulates kinetics of GABAC vs GABAA receptors in carp retinal bipolar cells. <i>NeuroReport</i> , 1999, 10, 2593-2597.	1.2	24
60	Nicotine and alcohol: the role of midbrain dopaminergic neurons in drug reinforcement. <i>European Journal of Neuroscience</i> , 2019, 50, 2180-2200.	2.6	23
61	Miniature postsynaptic currents depend on Ca ²⁺ released from internal stores via PLC/IP3 pathway. <i>NeuroReport</i> , 2001, 12, 2203-2207.	1.2	22
62	The Resilient Phenotype Induced by Prophylactic Ketamine Exposure During Adolescence Is Mediated by the Ventral Tegmental Area–Nucleus Accumbens Pathway. <i>Biological Psychiatry</i> , 2021, 90, 482-493.	1.3	20
63	Virogenetic and optogenetic mechanisms to define potential therapeutic targets in psychiatric disorders. <i>Neuropharmacology</i> , 2012, 62, 89-100.	4.1	17
64	Mesocortical BDNF signaling mediates antidepressive-like effects of lithium. <i>Neuropsychopharmacology</i> , 2020, 45, 1557-1566.	5.4	16
65	The role of the neuropeptide PEN receptor, GPR83, in the reward pathway: Relationship to sex-differences. <i>Neuropharmacology</i> , 2019, 157, 107666.	4.1	12
66	The Potential of KCNQ Potassium Channel Openers as Novel Antidepressants. <i>CNS Drugs</i> , 2022, 36, 207-216.	5.9	12
67	Optogenetic investigation of neural mechanisms for alcohol-use disorder. <i>Alcohol</i> , 2019, 74, 29-38.	1.7	9
68	Molecular, Cellular, and Circuit Basis of Depression Susceptibility and Resilience. , 2019, , 123-136.		9
69	Inactivation of NMDA Receptors in the Ventral Tegmental Area during Cocaine Self-Administration Prevents GluA1 Upregulation but with Paradoxical Increases in Cocaine-Seeking Behavior. <i>Journal of Neuroscience</i> , 2018, 38, 575-585.	3.6	8
70	Different adaptations of dopamine release in Nucleus Accumbens shell and core of individual alcohol drinking groups of mice. <i>Neuropharmacology</i> , 2020, 175, 108176.	4.1	8
71	Selective activation of ABCA1/ApoA1 signaling in the V1 by magnetoelectric stimulation ameliorates depression via regulation of synaptic plasticity. <i>IScience</i> , 2022, 25, 104201.	4.1	8
72	A Key Noradrenergic Brainstem-Mesolimbic Circuit: Resilience to Social Stress. <i>Chronic Stress</i> , 2019, 3, 247054701985018.	3.4	4

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73	Chapter 19 Physiological and pharmacological characterization of glutamate and GABA receptors on carp retinal neurons. <i>Progress in Brain Research</i> , 2001, 131, 277-293.	1.4	3
74	The Use of Herpes Simplex Virus in Ex Vivo Slice Culture. <i>Current Protocols in Neuroscience</i> , 2015, 72, 4.36.1-4.36.7.	2.6	2
75	Optogenetics and the Dissection of Neural Circuits Underlying Depression and Substance-use Disorders. , 0, , 257-275.		0
76	130. OTX2 Mediates Transcriptional Impact of Early Life Stress in Mouse Ventral Tegmental Area. <i>Biological Psychiatry</i> , 2019, 85, S54.	1.3	0
77	Small-Conductance, Calcium-Activated Potassium Channels: A Key Circuit Determinant for Stress-Induced Amygdala Dysfunction. <i>Biological Psychiatry</i> , 2019, 85, 784-786.	1.3	0
78	A Novel Role for Hypothalamic AgRP Neurons in Mediating Depressive Behavior. <i>Trends in Neurosciences</i> , 2021, 44, 243-246.	8.6	0
79	Roles and regulations of dopaminergic pathways in repeated stress-induced emotional changes. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, SY72-4.	0.0	0