

Ming-Hu Han

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78
papers

8,643
citations

42
h-index

83
g-index

83
ext. papers

10,441
ext. citations

12.8
avg, IF

5.61
L-index

#	Paper	IF	Citations
78	Molecular adaptations underlying susceptibility and resistance to social defeat in brain reward regions. <i>Cell</i> , 2007 , 131, 391-404	56.2	1492
77	Rapid regulation of depression-related behaviours by control of midbrain dopamine neurons. <i>Nature</i> , 2013 , 493, 532-6	50.4	731
76	Neurobiology of resilience. <i>Nature Neuroscience</i> , 2012 , 15, 1475-84	25.5	715
75	Cell type-specific loss of BDNF signaling mimics optogenetic control of cocaine reward. <i>Science</i> , 2010 , 330, 385-90	33.3	612
74	Enhancing depression mechanisms in midbrain dopamine neurons achieves homeostatic resilience. <i>Science</i> , 2014 , 344, 313-9	33.3	305
73	Mesolimbic dopamine neurons in the brain reward circuit mediate susceptibility to social defeat and antidepressant action. <i>Journal of Neuroscience</i> , 2010 , 30, 16453-8	6.6	264
72	CREB regulation of nucleus accumbens excitability mediates social isolation-induced behavioral deficits. <i>Nature Neuroscience</i> , 2009 , 12, 200-9	25.5	252
71	Ventral hippocampal afferents to the nucleus accumbens regulate susceptibility to depression. <i>Nature Communications</i> , 2015 , 6, 7062	17.4	242
70	IB kinase regulates social defeat stress-induced synaptic and behavioral plasticity. <i>Journal of Neuroscience</i> , 2011 , 31, 314-21	6.6	214
69	HDAC2 regulates atypical antipsychotic responses through the modulation of mGlu2 promoter activity. <i>Nature Neuroscience</i> , 2012 , 15, 1245-54	25.5	208
68	BosB induction in striatal medium spiny neuron subtypes in response to chronic pharmacological, emotional, and optogenetic stimuli. <i>Journal of Neuroscience</i> , 2013 , 33, 18381-95	6.6	172
67	Locus-specific epigenetic remodeling controls addiction- and depression-related behaviors. <i>Nature Neuroscience</i> , 2014 , 17, 1720-7	25.5	161
66	Dopaminergic dynamics underlying sex-specific cocaine reward. <i>Nature Communications</i> , 2017 , 8, 13877	17.4	160
65	Stress and CRF gate neural activation of BDNF in the mesolimbic reward pathway. <i>Nature Neuroscience</i> , 2014 , 17, 27-9	25.5	151
64	BDNF is a negative modulator of morphine action. <i>Science</i> , 2012 , 338, 124-8	33.3	144
63	AKT signaling within the ventral tegmental area regulates cellular and behavioral responses to stressful stimuli. <i>Biological Psychiatry</i> , 2008 , 64, 691-700	7.9	130
62	Class I HDAC inhibition blocks cocaine-induced plasticity by targeted changes in histone methylation. <i>Nature Neuroscience</i> , 2013 , 16, 434-40	25.5	128

61	Essential Role of Mesolimbic Brain-Derived Neurotrophic Factor in Chronic Social Stress-Induced Depressive Behaviors. <i>Biological Psychiatry</i> , 2016 , 80, 469-478	7.9	123
60	Basal forebrain projections to the lateral habenula modulate aggression reward. <i>Nature</i> , 2016 , 534, 688-924	92.4	122
59	Epigenetic modulation of inflammation and synaptic plasticity promotes resilience against stress in mice. <i>Nature Communications</i> , 2018 , 9, 477	17.4	116
58	Polycomb repressive complex 2 (PRC2) silences genes responsible for neurodegeneration. <i>Nature Neuroscience</i> , 2016 , 19, 1321-30	25.5	108
57	Establishment of a repeated social defeat stress model in female mice. <i>Scientific Reports</i> , 2017 , 7, 128384.9	4.9	107
56	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, 4624-9	6.6	104
55	Role for mTOR signaling and neuronal activity in morphine-induced adaptations in ventral tegmental area dopamine neurons. <i>Neuron</i> , 2011 , 72, 977-90	13.9	99
54	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	17.4	93
53	Specific role of VTA dopamine neuronal firing rates and morphology in the reversal of anxiety-related, but not depression-related behavior in the Clock ^{fl/fl} mouse model of mania. <i>Neuropsychopharmacology</i> , 2011 , 36, 1478-88	8.7	91
52	Neurobiology of Resilience: Interface Between Mind and Body. <i>Biological Psychiatry</i> , 2019 , 86, 410-420	7.9	85
51	Diversity of Dopaminergic Neural Circuits in Response to Drug Exposure. <i>Neuropsychopharmacology</i> , 2016 , 41, 2424-46	8.7	84
50	Neural Substrates of Depression and Resilience. <i>Neurotherapeutics</i> , 2017 , 14, 677-686	6.4	82
49	Regulation of RGS proteins by chronic morphine in rat locus coeruleus. <i>European Journal of Neuroscience</i> , 2003 , 17, 971-80	3.5	82
48	KCNQ channel openers reverse depressive symptoms via an active resilience mechanism. <i>Nature Communications</i> , 2016 , 7, 11671	17.4	74
47	Loss of BDNF signaling in D1R-expressing NAc neurons enhances morphine reward by reducing GABA inhibition. <i>Neuropsychopharmacology</i> , 2014 , 39, 2646-53	8.7	73
46	Excitatory transmission at thalamo-striatal synapses mediates susceptibility to social stress. <i>Nature Neuroscience</i> , 2015 , 18, 962-4	25.5	73
45	Extracellular signal-regulated kinase-2 within the ventral tegmental area regulates responses to stress. <i>Journal of Neuroscience</i> , 2010 , 30, 7652-63	6.6	72
44	Identification of a Brainstem Circuit Controlling Feeding. <i>Cell</i> , 2017 , 170, 429-442.e11	56.2	68

43	Neuronal correlates of depression. <i>Cellular and Molecular Life Sciences</i> , 2015 , 72, 4825-48	10.3	66
42	G9a influences neuronal subtype specification in striatum. <i>Nature Neuroscience</i> , 2014 , 17, 533-9	25.5	66
41	CREB modulates the functional output of nucleus accumbens neurons: a critical role of N-methyl-D-aspartate glutamate receptor (NMDAR) receptors. <i>Journal of Biological Chemistry</i> , 2008 , 283, 2751-60	5.4	61
40	Nuclear BK channels regulate gene expression via the control of nuclear calcium signaling. <i>Nature Neuroscience</i> , 2014 , 17, 1055-63	25.5	59
39	Optogenetic inhibition of D1R containing nucleus accumbens neurons alters cocaine-mediated regulation of Tiam1. <i>Frontiers in Molecular Neuroscience</i> , 2013 , 6, 13	6.1	58
38	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, 17011-6	11.5	49
37	Brain-Derived Neurotrophic Factor in the Mesolimbic Reward Circuitry Mediates Nociception in Chronic Neuropathic Pain. <i>Biological Psychiatry</i> , 2017 , 82, 608-618	7.9	45
36	Modulation of synaptic function by cGMP and cGMP-gated cation channels. <i>Neurochemistry International</i> , 2004 , 45, 875-84	4.4	39
35	Midbrain circuit regulation of individual alcohol drinking behaviors in mice. <i>Nature Communications</i> , 2017 , 8, 2220	17.4	35
34	Reinforcement-related regulation of AMPA glutamate receptor subunits in the ventral tegmental area enhances motivation for cocaine. <i>Journal of Neuroscience</i> , 2011 , 31, 7927-37	6.6	35
33	Protective effect of arachidonic acid on glutamate neurotoxicity in rat retinal ganglion cells. <i>Investigative Ophthalmology and Visual Science</i> , 2002 , 43, 1835-42		31
32	Role of Mesolimbic Brain-Derived Neurotrophic Factor in Depression. <i>Biological Psychiatry</i> , 2019 , 86, 738-748	7.9	30
31	β-Adrenergic Receptor-Mediated Mesolimbic Homeostatic Plasticity Confers Resilience to Social Stress in Susceptible Mice. <i>Biological Psychiatry</i> , 2019 , 85, 226-236	7.9	29
30	Desensitizing GABAC receptors on carp retinal bipolar cells. <i>NeuroReport</i> , 1997 , 8, 1331-5	1.7	26
29	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	15.1	26
28	Sex Differences in the Neuroadaptations of Reward-related Circuits in Response to Subchronic Variable Stress. <i>Neuroscience</i> , 2018 , 376, 108-116	3.9	25
27	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	8	25
26	Depression and Social Defeat Stress Are Associated with Inhibitory Synaptic Changes in the Nucleus Accumbens. <i>Journal of Neuroscience</i> , 2020 , 40, 6228-6233	6.6	23

25	Zn ²⁺ differentially modulates kinetics of GABA(C) vs GABA(A) receptors in carp retinal bipolar cells. <i>NeuroReport</i> , 1999 , 10, 2593-7	1.7	23
24	HCN Channel Targets for Novel Antidepressant Treatment. <i>Neurotherapeutics</i> , 2017 , 14, 698-715	6.4	22
23	Transcriptional and physiological adaptations in nucleus accumbens somatostatin interneurons that regulate behavioral responses to cocaine. <i>Nature Communications</i> , 2018 , 9, 3149	17.4	22
22	Miniature postsynaptic currents depend on Ca ²⁺ released from internal stores via PLC/IP3 pathway. <i>NeuroReport</i> , 2001 , 12, 2203-7	1.7	21
21	Virogenetic and optogenetic mechanisms to define potential therapeutic targets in psychiatric disorders. <i>Neuropharmacology</i> , 2012 , 62, 89-100	5.5	16
20	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	7.9	13
19	Nicotine and alcohol: the role of midbrain dopaminergic neurons in drug reinforcement. <i>European Journal of Neuroscience</i> , 2019 , 50, 2180-2200	3.5	12
18	Mesocortical BDNF signaling mediates antidepressive-like effects of lithium. <i>Neuropsychopharmacology</i> , 2020 , 45, 1557-1566	8.7	8
17	Molecular, Cellular, and Circuit Basis of Depression Susceptibility and Resilience 2019 , 123-136		7
16	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	6.6	7
15	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	11.9	6
14	Optogenetic investigation of neural mechanisms for alcohol-use disorder. <i>Alcohol</i> , 2019 , 74, 29-38	2.7	5
13	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	7.9	4
12	The role of the neuropeptide PEN receptor, GPR83, in the reward pathway: Relationship to sex-differences. <i>Neuropharmacology</i> , 2019 , 157, 107666	5.5	3
11	Physiological and pharmacological characterization of glutamate and GABA receptors on carp retinal neurons. <i>Progress in Brain Research</i> , 2001 , 131, 277-93	2.9	3
10	Different adaptations of dopamine release in Nucleus Accumbens shell and core of individual alcohol drinking groups of mice. <i>Neuropharmacology</i> , 2020 , 175, 108176	5.5	2
9	A Key Noradrenergic Brainstem-Mesolimbic Circuit: Resilience to Social Stress. <i>Chronic Stress</i> , 2019 , 3,	3	1
8	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	2.7	1

7	Midbrain projection to the basolateral amygdala encodes anxiety-like but not depression-like behaviors.. <i>Nature Communications</i> , 2022 , 13, 1532	17.4	1
6	The Potential of KCNQ Potassium Channel Openers as Novel Antidepressants.. <i>CNS Drugs</i> , 2022 , 36, 2076.7		1
5	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	6.1	0
4	Optogenetics and the Dissection of Neural Circuits Underlying Depression and Substance-use Disorders257-275		
3	Small-Conductance, Calcium-Activated Potassium Channels: A Key Circuit Determinant for Stress-Induced Amygdala Dysfunction. <i>Biological Psychiatry</i> , 2019 , 85, 784-786	7.9	
2	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
1	A Novel Role for Hypothalamic AgRP Neurons in Mediating Depressive Behavior. <i>Trends in Neurosciences</i> , 2021 , 44, 243-246	13.3	