Ming-Hu Han

List of Publications by Year in Descending Order

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	Midbrain projection to the basolateral amygdala encodes anxiety-like but not depression-like behaviors.. *Nature Communications*, **2022**, 13, 1532	17.4	1
77	The Potential of KCNQ Potassium Channel Openers as Novel Antidepressants.. *CNS Drugs*, **2022**, 36, 207	6.7	1
76	Selective activation of ABCA1/ApoA1 signaling in the V1 by magnetoelectric stimulation ameliorates depression via regulation of synaptic plasticity.. *IScience*, **2022**, 25, 104201	6.1	0
75	A Novel Role for Hypothalamic AgRP Neurons in Mediating Depressive Behavior. *Trends in Neurosciences*, **2021**, 44, 243-246	13.3	
74	Impact of the KCNQ2/3 Channel Opener Ezogabine on Reward Circuit Activity and Clinical Symptoms in Depression: Results From a Randomized Controlled Trial. *American Journal of Psychiatry*, **2021**, 178, 437-446	11.9	6
73	The Resilient Phenotype Induced by Prophylactic Ketamine Exposure During Adolescence Is Mediated by the Ventral Tegmental Area-Nucleus Accumbens Pathway. *Biological Psychiatry*, **2021**, 90, 482-493	7.9	4
72	Different adaptations of dopamine release in Nucleus Accumbens shell and core of individual alcohol drinking groups of mice. *Neuropharmacology*, **2020**, 175, 108176	5.5	2
71	Mesocortical BDNF signaling mediates antidepressive-like effects of lithium. *Neuropsychopharmacology*, **2020**, 45, 1557-1566	8.7	8
70	Depression and Social Defeat Stress Are Associated with Inhibitory Synaptic Changes in the Nucleus Accumbens. *Journal of Neuroscience*, **2020**, 40, 6228-6233	6.6	23
69	Chronic Pain Impairs Memory Formation via Disruption of Neurogenesis Mediated by Mesohippocampal Brain-Derived Neurotrophic Factor Signaling. *Biological Psychiatry*, **2020**, 88, 597-610	7.9	13
68	Effects of the KCNQ channel opener ezogabine on functional connectivity of the ventral striatum and clinical symptoms in patients with major depressive disorder. *Molecular Psychiatry*, **2020**, 25, 1323-1333	15.1	26
67	The role of the neuropeptide PEN receptor, GPR83, in the reward pathway: Relationship to sex-differences. *Neuropharmacology*, **2019**, 157, 107666	5.5	3
66	A Key Noradrenergic Brainstem-Mesolimbic Circuit: Resilience to Social Stress. *Chronic Stress*, **2019**, 3,	3	1
65	Role of Mesolimbic Brain-Derived Neurotrophic Factor in Depression. *Biological Psychiatry*, **2019**, 86, 738-748	7.9	30
64	Small-Conductance, Calcium-Activated Potassium Channels: A Key Circuit Determinant for Stress-Induced Amygdala Dysfunction. *Biological Psychiatry*, **2019**, 85, 784-786	7.9	
63	Neurobiology of Resilience: Interface Between Mind and Body. *Biological Psychiatry*, **2019**, 86, 410-420	7.9	85
62	Optogenetic investigation of neural mechanisms for alcohol-use disorder. *Alcohol*, **2019**, 74, 29-38	2.7	5

61	Molecular, Cellular, and Circuit Basis of Depression Susceptibility and Resilience **2019**, 123-136		7
60	and Adrenergic Receptor-Mediated Mesolimbic Homeostatic Plasticity Confers Resilience to Social Stress in Susceptible Mice. *Biological Psychiatry*, **2019**, 85, 226-236	7.9	29
59	Nicotine and alcohol: the role of midbrain dopaminergic neurons in drug reinforcement. *European Journal of Neuroscience*, **2019**, 50, 2180-2200	3.5	12
58	Sex Differences in the Neuroadaptations of Reward-related Circuits in Response to Subchronic Variable Stress. *Neuroscience*, **2018**, 376, 108-116	3.9	25
57	Epigenetic modulation of inflammation and synaptic plasticity promotes resilience against stress in mice. *Nature Communications*, **2018**, 9, 477	17.4	116
56	Brain-derived neurotrophic factor-mediated projection-specific regulation of depressive-like and nociceptive behaviors in the mesolimbic reward circuitry. *Pain*, **2018**, 159, 175	8	25
55	Transcriptional and physiological adaptations in nucleus accumbens somatostatin interneurons that regulate behavioral responses to cocaine. *Nature Communications*, **2018**, 9, 3149	17.4	22
54	Roles and regulations of dopaminergic pathways in repeated stress-induced emotional changes. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2018**, WCP2018, SY72-4	0	
53	Inactivation of NMDA Receptors in the Ventral Tegmental Area during Cocaine Self-Administration Prevents GluA1 Upregulation but with Paradoxical Increases in Cocaine-Seeking Behavior. *Journal of Neuroscience*, **2018**, 38, 575-585	6.6	7
52	Dopaminergic dynamics underlying sex-specific cocaine reward. *Nature Communications*, **2017**, 8, 13877	17.4	160
51	Brain-Derived Neurotrophic Factor in the Mesolimbic Reward Circuitry Mediates Nociception in Chronic Neuropathic Pain. *Biological Psychiatry*, **2017**, 82, 608-618	7.9	45
50	Neural Substrates of Depression and Resilience. *Neurotherapeutics*, **2017**, 14, 677-686	6.4	82
49	MicroRNAs 146a/b-5 and 425-3p and 24-3p are markers of antidepressant response and regulate MAPK/Wnt-system genes. *Nature Communications*, **2017**, 8, 15497	17.4	93
48	HCN Channel Targets for Novel Antidepressant Treatment. *Neurotherapeutics*, **2017**, 14, 698-715	6.4	22
47	Establishment of a repeated social defeat stress model in female mice. *Scientific Reports*, **2017**, 7, 12838	4.9	107
46	Identification of a Brainstem Circuit Controlling Feeding. *Cell*, **2017**, 170, 429-442.e11	56.2	68
45	Midbrain circuit regulation of individual alcohol drinking behaviors in mice. *Nature Communications*, **2017**, 8, 2220	17.4	35
44	Polycomb repressive complex 2 (PRC2) silences genes responsible for neurodegeneration. *Nature Neuroscience*, **2016**, 19, 1321-30	25.5	108

43	KCNQ channel openers reverse depressive symptoms via an active resilience mechanism. *Nature Communications*, **2016**, 7, 11671	17.4	74
42	Basal forebrain projections to the lateral habenula modulate aggression reward. *Nature*, **2016**, 534, 688-92	42.4	122
41	Diversity of Dopaminergic Neural Circuits in Response to Drug Exposure. *Neuropsychopharmacology*, **2016**, 41, 2424-46	8.7	84
40	Essential Role of Mesolimbic Brain-Derived Neurotrophic Factor in Chronic Social Stress-Induced Depressive Behaviors. *Biological Psychiatry*, **2016**, 80, 469-478	7.9	123
39	Neuronal correlates of depression. *Cellular and Molecular Life Sciences*, **2015**, 72, 4825-48	10.3	66
38	The Use of Herpes Simplex Virus in Ex Vivo Slice Culture. *Current Protocols in Neuroscience*, **2015**, 72, 4.36.1-4.36.7	2.7	1
37	Ventral hippocampal afferents to the nucleus accumbens regulate susceptibility to depression. *Nature Communications*, **2015**, 6, 7062	17.4	242
36	Excitatory transmission at thalamo-striatal synapses mediates susceptibility to social stress. *Nature Neuroscience*, **2015**, 18, 962-4	25.5	73
35	Enhancing depression mechanisms in midbrain dopamine neurons achieves homeostatic resilience. *Science*, **2014**, 344, 313-9	33.3	305
34	G9a influences neuronal subtype specification in striatum. *Nature Neuroscience*, **2014**, 17, 533-9	25.5	66
33	Stress and CRF gate neural activation of BDNF in the mesolimbic reward pathway. *Nature Neuroscience*, **2014**, 17, 27-9	25.5	151
32	Locus-specific epigenetic remodeling controls addiction- and depression-related behaviors. *Nature Neuroscience*, **2014**, 17, 1720-7	25.5	161
31	Loss of BDNF signaling in D1R-expressing NAc neurons enhances morphine reward by reducing GABA inhibition. *Neuropsychopharmacology*, **2014**, 39, 2646-53	8.7	73
30	Nuclear BK channels regulate gene expression via the control of nuclear calcium signaling. *Nature Neuroscience*, **2014**, 17, 1055-63	25.5	59
29	Rapid regulation of depression-related behaviours by control of midbrain dopamine neurons. *Nature*, **2013**, 493, 532-6	50.4	731
28	Class I HDAC inhibition blocks cocaine-induced plasticity by targeted changes in histone methylation. *Nature Neuroscience*, **2013**, 16, 434-40	25.5	128
27	ΔFosB induction in striatal medium spiny neuron subtypes in response to chronic pharmacological, emotional, and optogenetic stimuli. *Journal of Neuroscience*, **2013**, 33, 18381-95	6.6	172
26	Optogenetic inhibition of D1R containing nucleus accumbens neurons alters cocaine-mediated regulation of Tiam1. *Frontiers in Molecular Neuroscience*, **2013**, 6, 13	6.1	58

25	HDAC2 regulates atypical antipsychotic responses through the modulation of mGlu2 promoter activity. *Nature Neuroscience*, **2012**, 15, 1245-54	25.5	208
24	Virogenetic and optogenetic mechanisms to define potential therapeutic targets in psychiatric disorders. *Neuropharmacology*, **2012**, 62, 89-100	5.5	16
23	BDNF is a negative modulator of morphine action. *Science*, **2012**, 338, 124-8	33.3	144
22	Neurobiology of resilience. *Nature Neuroscience*, **2012**, 15, 1475-84	25.5	715
21	Role for mTOR signaling and neuronal activity in morphine-induced adaptations in ventral tegmental area dopamine neurons. *Neuron*, **2011**, 72, 977-90	13.9	99
20	Reinforcement-related regulation of AMPA glutamate receptor subunits in the ventral tegmental area enhances motivation for cocaine. *Journal of Neuroscience*, **2011**, 31, 7927-37	6.6	35
19	IB kinase regulates social defeat stress-induced synaptic and behavioral plasticity. *Journal of Neuroscience*, **2011**, 31, 314-21	6.6	214
18	Specific role of VTA dopamine neuronal firing rates and morphology in the reversal of anxiety-related, but not depression-related behavior in the Clock19 mouse model of mania. *Neuropsychopharmacology*, **2011**, 36, 1478-88	8.7	91
17	Mesolimbic dopamine neurons in the brain reward circuit mediate susceptibility to social defeat and antidepressant action. *Journal of Neuroscience*, **2010**, 30, 16453-8	6.6	264
16	Cell type-specific loss of BDNF signaling mimics optogenetic control of cocaine reward. *Science*, **2010**, 330, 385-90	33.3	612
15	Essential role of the cAMP-cAMP response-element binding protein pathway in opiate-induced homeostatic adaptations of locus coeruleus neurons. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 17011-6	11.5	49
14	Extracellular signal-regulated kinase-2 within the ventral tegmental area regulates responses to stress. *Journal of Neuroscience*, **2010**, 30, 7652-63	6.6	72
13	CREB regulation of nucleus accumbens excitability mediates social isolation-induced behavioral deficits. *Nature Neuroscience*, **2009**, 12, 200-9	25.5	252
12	AKT signaling within the ventral tegmental area regulates cellular and behavioral responses to stressful stimuli. *Biological Psychiatry*, **2008**, 64, 691-700	7.9	130
11	CREB modulates the functional output of nucleus accumbens neurons: a critical role of N-methyl-D-aspartate glutamate receptor (NMDAR) receptors. *Journal of Biological Chemistry*, **2008**, 283, 2751-60	5.4	61
10	Molecular adaptations underlying susceptibility and resistance to social defeat in brain reward regions. *Cell*, **2007**, 131, 391-404	56.2	1492
9	Role of cAMP response element-binding protein in the rat locus ceruleus: regulation of neuronal activity and opiate withdrawal behaviors. *Journal of Neuroscience*, **2006**, 26, 4624-9	6.6	104
8	Modulation of synaptic function by cGMP and cGMP-gated cation channels. *Neurochemistry International*, **2004**, 45, 875-84	4.4	39

7	Regulation of RGS proteins by chronic morphine in rat locus coeruleus. *European Journal of Neuroscience*, **2003**, 17, 971-80	3.5	82
6	Protective effect of arachidonic acid on glutamate neurotoxicity in rat retinal ganglion cells. *Investigative Ophthalmology and Visual Science*, **2002**, 43, 1835-42		31
5	Physiological and pharmacological characterization of glutamate and GABA receptors on carp retinal neurons. *Progress in Brain Research*, **2001**, 131, 277-93	2.9	3
4	Miniature postsynaptic currents depend on Ca2+ released from internal stores via PLC/IP3 pathway. *NeuroReport*, **2001**, 12, 2203-7	1.7	21
3	Zn2+ differentially modulates kinetics of GABA(C) vs GABA(A) receptors in carp retinal bipolar cells. *NeuroReport*, **1999**, 10, 2593-7	1.7	23
2	Desensitizing GABAC receptors on carp retinal bipolar cells. *NeuroReport*, **1997**, 8, 1331-5	1.7	26
1	Optogenetics and the Dissection of Neural Circuits Underlying Depression and Substance-use Disorders257-275		