

# Noboru Hiroi

## List of Publications by Year in descending order

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59  
papers

4,660  
citations

159585

30  
h-index

149698

56  
g-index

62  
all docs

62  
docs citations

62  
times ranked

4212  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of Cocaine Reward by CREB. <i>Science</i> , 1998, 282, 2272-2275.	12.6	689
2	Dopamine D1 receptor mutant mice are deficient in striatal expression of dynorphin and in dopamine-mediated behavioral responses. <i>Cell</i> , 1994, 79, 729-742.	28.9	474
3	DARPP-32: Regulator of the Efficacy of Dopaminergic Neurotransmission. , 1998, 281, 838-842.		428
4	Increased vulnerability to cocaine in mice lacking the serotonin-1B receptor. <i>Nature</i> , 1998, 393, 175-178.	27.8	309
5	Regulation of ERK ( Extracellular Signal Regulated Kinase), Part of the Neurotrophin Signal Transduction Cascade, in the Rat Mesolimbic Dopamine System by Chronic Exposure to Morphine or Cocaine. <i>Journal of Neuroscience</i> , 1996, 16, 4707-4715.	3.6	296
6	The lateral nucleus of the amygdala mediates expression of the amphetamine-produced conditioned place preference. <i>Journal of Neuroscience</i> , 1991, 11, 2107-2116.	3.6	209
7	The amphetamine conditioned place preference: differential involvement of dopamine receptor subtypes and two dopaminergic terminal areas. <i>Brain Research</i> , 1991, 552, 141-152.	2.2	149
8	Preferential localization of self-stimulation sites in striosomes/patches in the rat striatum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 6486-6491.	7.1	144
9	Place conditioning with dopamine D1 and D2 agonists injected peripherally or into nucleus accumbens. <i>Psychopharmacology</i> , 1991, 103, 271-276.	3.1	140
10	Essential Role of the <i>c-fos</i> B Gene in Molecular, Cellular, and Behavioral Actions of Chronic Electroconvulsive Seizures. <i>Journal of Neuroscience</i> , 1998, 18, 6952-6962.	3.6	115
11	Genetic susceptibility to substance dependence. <i>Molecular Psychiatry</i> , 2005, 10, 336-344.	7.9	107
12	Atypical and typical neuroleptic treatments induce distinct programs of transcription factor expression in the striatum. , 1996, 374, 70-83.		95
13	Region-specific induction of <i>FosB</i> by repeated administration of typical versus atypical antipsychotic drugs. <i>Synapse</i> , 1999, 33, 118-128.	1.2	89
14	<i>Tbx1</i> : identification of a 22q11.2 gene as a risk factor for autism spectrum disorder in a mouse model. <i>Human Molecular Genetics</i> , 2011, 20, 4775-4785.	2.9	86
15	Differential behavioral responses to cocaine are associated with dynamics of mesolimbic dopamine proteins in Lewis and Fischer 344 rats. <i>Synapse</i> , 2001, 41, 179-190.	1.2	80
16	<i>Sept5</i> deficiency exerts pleiotropic influence on affective behaviors and cognitive functions in mice. <i>Human Molecular Genetics</i> , 2009, 18, 1652-1660.	2.9	78
17	Cry, Baby, Cry: Expression of Distress As a Biomarker and Modulator in Autism Spectrum Disorder. <i>International Journal of Neuropsychopharmacology</i> , 2017, 20, 498-503.	2.1	75
18	Neuronal and behavioural abnormalities in striatal function in DARPP-32-mutant mice. <i>European Journal of Neuroscience</i> , 1999, 11, 1114-1118.	2.6	73

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19	Neurobiological perspective of 22q11.2 deletion syndrome. <i>Lancet Psychiatry</i> , 2019, 6, 951-960.	7.4	70
20	The reserpine-sensitive dopamine pool mediates (+)-amphetamine-conditioned reward in the place preference paradigm. <i>Brain Research</i> , 1990, 510, 33-42.	2.2	63
21	Deconstructing Craving: Dissociable Cortical Control of Cue Reactivity in Nicotine Addiction. <i>Biological Psychiatry</i> , 2011, 69, 1052-1059.	1.3	60
22	The ventral pallidum area is involved in the acquisition but not expression of the amphetamine conditioned place preference. <i>Neuroscience Letters</i> , 1993, 156, 9-12.	2.1	58
23	Over-expression of a human chromosome 22q11.2 segment including TXNRD2, COMT and ARVCF developmentally affects incentive learning and working memory in mice. <i>Human Molecular Genetics</i> , 2009, 18, 3914-3925.	2.9	53
24	Alterations of social interaction through genetic and environmental manipulation of the 22q11.2 gene Sept5 in the mouse brain. <i>Human Molecular Genetics</i> , 2012, 21, 3489-3499.	2.9	53
25	Influence of Cocaine on the JAK/STAT Pathway in the Mesolimbic Dopamine System. <i>Journal of Neuroscience</i> , 1996, 16, 8019-8026.	3.6	50
26	Neonatal Maternal Separation Alters the Capacity of Adult Neural Precursor Cells to Differentiate into Neurons Via Methylation of Retinoic Acid Receptor Gene Promoter. <i>Biological Psychiatry</i> , 2015, 77, 335-344.	1.3	47
27	Chronic treatment with atypical neuroleptics induces striosomal FosB/l <sup>1</sup> FosB expression in rats. <i>Biological Psychiatry</i> , 2004, 55, 457-463.	1.3	44
28	A 200-kb region of human chromosome 22q11.2 confers antipsychotic-responsive behavioral abnormalities in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 19132-19137.	7.1	44
29	Monoamine oxidase A knockout mice exhibit impaired nicotine preference but normal responses to novel stimuli. <i>Human Molecular Genetics</i> , 2006, 15, 2721-2731.	2.9	44
30	Pleiotropic impact of constitutive fosB inactivation on nicotine-induced behavioral alterations and stress-related traits in mice. <i>Human Molecular Genetics</i> , 2007, 16, 820-836.	2.9	34
31	MAO-B knockout mice exhibit deficient habituation of locomotor activity but normal nicotine intake. <i>Genes, Brain and Behavior</i> , 2004, 3, 216-227.	2.2	31
32	Conditioned stereotypy: Behavioral specification of the UCS and pharmacological investigation of the neural change. <i>Pharmacology Biochemistry and Behavior</i> , 1989, 32, 249-258.	2.9	30
33	Critical reappraisal of mechanistic links of copy number variants to dimensional constructs of neuropsychiatric disorders in mouse models. <i>Psychiatry and Clinical Neurosciences</i> , 2018, 72, 301-321.	1.8	29
34	Amphetamine conditioned cue preference and the neurobiology of drug-seeking. <i>Seminars in Neuroscience</i> , 1993, 5, 329-336.	2.2	28
35	Molecular dissection of dopamine receptor signaling. <i>Journal of Chemical Neuroanatomy</i> , 2002, 23, 237-242.	2.1	24
36	Compartmental organization of calretinin in the rat striatum. <i>Neuroscience Letters</i> , 1995, 197, 223-226.	2.1	23

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37	DARPP-32 Phosphorylation Opposes the Behavioral Effects of Nicotine. <i>Biological Psychiatry</i> , 2005, 58, 981-989.	1.3	21
38	Constitutional mechanisms of vulnerability and resilience to nicotine dependence. <i>Molecular Psychiatry</i> , 2009, 14, 653-667.	7.9	21
39	Human COMT over-expression confers a heightened susceptibility to dyskinesia in mice. <i>Neurobiology of Disease</i> , 2017, 102, 133-139.	4.4	21
40	Modeling and Predicting Developmental Trajectories of Neuropsychiatric Dimensions Associated With Copy Number Variations. <i>International Journal of Neuropsychopharmacology</i> , 2019, 22, 488-500.	2.1	19
41	Mouse Models of 22q11.2-Associated Autism Spectrum Disorder. <i>Autism-open Access</i> , 2012, 01, 001.	0.2	15
42	A Self-Generated Environmental Factor as a Potential Contributor to Atypical Early Social Communication in Autism. <i>Neuropsychopharmacology</i> , 2017, 42, 378-378.	5.4	15
43	Pipradrol conditioned place preference is blocked by SCH23390. <i>Pharmacology Biochemistry and Behavior</i> , 1992, 43, 377-380.	2.9	14
44	N-Methyl-D-Aspartic Acid Receptors on Striatal Neurons Are Essential for Cocaine Cue Reactivity in Mice. <i>Biological Psychiatry</i> , 2010, 67, 778-780.	1.3	14
45	Tbx1, a gene encoded in 22q11.2 copy number variant, is a link between alterations in fimbria myelination and cognitive speed in mice. <i>Molecular Psychiatry</i> , 2022, 27, 929-938.	7.9	13
46	Emergence of Dormant Conditioned Incentive Approach by Conditioned Withdrawal in Nicotine Addiction. <i>Biological Psychiatry</i> , 2010, 68, 726-732.	1.3	10
47	Localization of septin proteins in the mouse cochlea. <i>Hearing Research</i> , 2012, 289, 40-51.	2.0	10
48	Dimensional Deconstruction and Reconstruction of CNV-Associated Neuropsychiatric Disorders. <i>Handbook of Behavioral Neuroscience</i> , 2016, , 285-302.	0.7	10
49	Maternal approach behaviors toward neonatal calls are impaired by mother's experiences of raising pups with a risk gene variant for autism. <i>Developmental Psychobiology</i> , 2021, 63, 108-113.	1.6	9
50	Presynaptic Vesicle Protein SEPTIN5 Regulates the Degradation of APP C-Terminal Fragments and the Levels of A $\beta$ . <i>Cells</i> , 2020, 9, 2482.	4.1	8
51	Computational Analysis of Neonatal Mouse Ultrasonic Vocalization. <i>Current Protocols in Mouse Biology</i> , 2018, 8, e46.	1.2	7
52	Computational identification of variables in neonatal vocalizations predictive for postpubertal social behaviors in a mouse model of 16p11.2 deletion. <i>Molecular Psychiatry</i> , 2021, 26, 6578-6588.	7.9	7
53	Molecular Histochemistry Identifies Peptidomic Organization and Reorganization Along Striatal Projection Units. <i>Biological Psychiatry</i> , 2016, 79, 415-420.	1.3	5
54	Transgenic expression of ZBP1 in neurons suppresses cocaine-associated conditioning. <i>Learning and Memory</i> , 2012, 19, 35-42.	1.3	4

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55	Small Cracks in the Dam: Rare Genetic Variants Provide Opportunities to Delve into Mechanisms of Neuropsychiatric Disorders. <i>Biological Psychiatry</i> , 2014, 76, 91-92.	1.3	4
56	Heterozygosity of murine Crkl does not recapitulate behavioral dimensions of human 22q11.2 hemizygosity. <i>Genes, Brain and Behavior</i> , 2021, 20, e12719.	2.2	4
57	Constance E. Lieber, Theodore R. Stanley, and the Enduring Impact of Philanthropy on Psychiatry Research. <i>Biological Psychiatry</i> , 2016, 80, 84-86.	1.3	2
58	Region-specific induction of FosB by repeated administration of typical versus atypical antipsychotic drugs. <i>Synapse</i> , 1999, 33, 118-128.	1.2	1
59	Dependence, Tolerance, and Alteration in Gene Expression. , 1999, , 207-211.		1