Noboru Hiroi

List of Publications by Year
in descending order

59 papers	4,660 citations	159525 30 h-index	149623 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. Science, 1998, 282, 2272-2275.	6.0	689
2	Dopamine D1 receptor mutant mice are deficient in striatal expression of dynorphin and in dopamine-mediated behavioral responses. Cell, 1994, 79, 729-742.	13.5	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. Nature, 1998, 393, 175-178.	13.7	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. Journal of Neuroscience, 1996, 16, 4707-4715.	1.7	296
6	The lateral nucleus of the amygdala mediates expression of the amphetamine-produced conditioned place preference. Journal of Neuroscience, 1991, 11, 2107-2116.	1.7	209
7	The amphetamine conditioned place preference: differential involvement of dopamine receptor subtypes and two dopaminergic terminal areas. Brain Research, 1991, 552, 141-152.	1.1	149
8	Preferential localization of self-stimulation sites in striosomes/patches in the rat striatum. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 6486-6491.	3.3	144
9	Place conditioning with dopamine D1 and D2 agonists injected peripherally or into nucleus accumbens. Psychopharmacology, 1991, 103, 271-276.	1.5	140
10	Essential Role of thefosB Gene in Molecular, Cellular, and Behavioral Actions of Chronic Electroconvulsive Seizures. Journal of Neuroscience, 1998, 18, 6952-6962.	1.7	115
11	Genetic susceptibility to substance dependence. Molecular Psychiatry, 2005, 10, 336-344.	4.1	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 ?FosB by repeated administration of typical versus atypical antipsychotic drugs. Synapse, 1999, 33, 118-128.	0.6	89
14	Tbx1: identification of a 22q11.2 gene as a risk factor for autism spectrum disorder in a mouse model. Human Molecular Genetics, 2011, 20, 4775-4785.	1.4	86
15	Differential behavioral responses to cocaine are associated with dynamics of mesolimbic dopamine proteins in Lewis and Fischer 344 rats. Synapse, 2001, 41, 179-190.	0.6	80
16	Sept5 deficiency exerts pleiotropic influence on affective behaviors and cognitive functions in mice. Human Molecular Genetics, 2009, 18, 1652-1660.	1.4	78
17	Cry, Baby, Cry: Expression of Distress As a Biomarker and Modulator in Autism Spectrum Disorder. International Journal of Neuropsychopharmacology, 2017, 20, 498-503.	1.0	75
18	Neuronal and behavioural abnormalities in striatal function in DARPP-32-mutant mice. European Journal of Neuroscience, 1999, 11, 1114-1118.	1.2	73

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19	Neurobiological perspective of 22q11.2 deletion syndrome. Lancet Psychiatry,the, 2019, 6, 951-960.	3.7	70
20	The reserpine-sensitive dopamine pool mediates (+)-amphetamine-conditioned reward in the place preference paradigm. Brain Research, 1990, 510, 33-42.	1.1	63
21	Deconstructing Craving: Dissociable Cortical Control of Cue Reactivity in Nicotine Addiction. Biological Psychiatry, 2011, 69, 1052-1059.	0.7	60
22	The ventral pallidum area is involved in the acquisition but not expression of the amphetamine conditioned place preference. Neuroscience Letters, 1993, 156, 9-12.	1.0	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. Human Molecular Genetics, 2009, 18, 3914-3925.	1.4	53
24	Alterations of social interaction through genetic and environmental manipulation of the 22q11.2 gene Sept5 in the mouse brain. Human Molecular Genetics, 2012, 21, 3489-3499.	1.4	53
25	Influence of Cocaine on the JAKâ€“STAT Pathway in the Mesolimbic Dopamine System. Journal of Neuroscience, 1996, 16, 8019-8026.	1.7	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. Biological Psychiatry, 2015, 77, 335-344.	0.7	47
27	Chronic treatment with atypical neuroleptics induces striosomal FosB/Î”FosB expression in rats. Biological Psychiatry, 2004, 55, 457-463.	0.7	44
28	A 200-kb region of human chromosome 22q11.2 confers antipsychotic-responsive behavioral abnormalities in mice. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 19132-19137.	3.3	44
29	Monoamine oxidase A knockout mice exhibit impaired nicotine preference but normal responses to novel stimuli. Human Molecular Genetics, 2006, 15, 2721-2731.	1.4	44
30	Pleiotropic impact of constitutive fosB inactivation on nicotine-induced behavioral alterations and stress-related traits in mice. Human Molecular Genetics, 2007, 16, 820-836.	1.4	34
31	MAO-B knockout mice exhibit deficient habituation of locomotor activity but normal nicotine intake. Genes, Brain and Behavior, 2004, 3, 216-227.	1.1	31
32	Conditioned stereotypy: Behavioral specification of the UCS and pharmacological investigation of the neural change. Pharmacology Biochemistry and Behavior, 1989, 32, 249-258.	1.3	30
33	Critical reappraisal of mechanistic links of copy number variants to dimensional constructs of neuropsychiatric disorders in mouse models. Psychiatry and Clinical Neurosciences, 2018, 72, 301-321.	1.0	29
34	Amphetamine conditioned cue preference and the neurobiology of drug-seeking. Seminars in Neuroscience, 1993, 5, 329-336.	2.3	28
35	Molecular dissection of dopamine receptor signaling. Journal of Chemical Neuroanatomy, 2002, 23, 237-242.	1.0	24
36	Compartmental organization of calretinin in the rat striatum. Neuroscience Letters, 1995, 197, 223-226.	1.0	23

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37	DARPP-32 Phosphorylation Opposes the Behavioral Effects of Nicotine. Biological Psychiatry, 2005, 58, 981-989.	0.7	21
38	Constitutional mechanisms of vulnerability and resilience to nicotine dependence. Molecular Psychiatry, 2009, 14, 653-667.	4.1	21
39	Human COMT over-expression confers a heightened susceptibility to dyskinesia in mice. Neurobiology of Disease, 2017, 102, 133-139.	2.1	21
40	Modeling and Predicting Developmental Trajectories of Neuropsychiatric Dimensions Associated With Copy Number Variations. International Journal of Neuropsychopharmacology, 2019, 22, 488-500.	1.0	19
41	Mouse Models of 22q11.2-Associated Autism Spectrum Disorder. Autism-open Access, 2012, 01, 001.	0.2	15
42	A Self-Generated Environmental Factor as a Potential Contributor to Atypical Early Social Communication in Autism. Neuropsychopharmacology, 2017, 42, 378-378.	2.8	15
43	Pipradrol conditioned place preference is blocked by SCH23390. Pharmacology Biochemistry and Behavior, 1992, 43, 377-380.	1.3	14
44	N-Methyl-D-Aspartic Acid Receptors on Striatal Neurons Are Essential for Cocaine Cue Reactivity in Mice. Biological Psychiatry, 2010, 67, 778-780.	0.7	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. Molecular Psychiatry, 2022, 27, 929-938.	4.1	13
46	Emergence of Dormant Conditioned Incentive Approach by Conditioned Withdrawal in Nicotine Addiction. Biological Psychiatry, 2010, 68, 726-732.	0.7	10
47	Localization of septin proteins in the mouse cochlea. Hearing Research, 2012, 289, 40-51.	0.9	10
48	Dimensional Deconstruction and Reconstruction of CNV-Associated Neuropsychiatric Disorders. Handbook of Behavioral Neuroscience, 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. Developmental Psychobiology, 2021, 63, 108-113.	0.9	9
50	Presynaptic Vesicle Protein SEPTIN5 Regulates the Degradation of APP C-Terminal Fragments and the Levels of Aî². Cells, 2020, 9, 2482.	1.8	8
51	Computational Analysis of Neonatal Mouse Ultrasonic Vocalization. Current Protocols in Mouse Biology, 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. Molecular Psychiatry, 2021, 26, 6578-6588.	4.1	7
53	Molecular Histochemistry Identifies Peptidomic Organization and Reorganization Along Striatal Projection Units. Biological Psychiatry, 2016, 79, 415-420.	0.7	5
54	Transgenic expression of ZBP1 in neurons suppresses cocaine-associated conditioning. Learning and Memory, 2012, 19, 35-42.	0.5	4

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55	Small Cracks in the Dam: Rare Genetic Variants Provide Opportunities to Delve into Mechanisms of Neuropsychiatric Disorders. Biological Psychiatry, 2014, 76, 91-92.	0.7	4
56	Heterozygosity of murine Crkl does not recapitulate behavioral dimensions of human 22q11.2 hemizygosity. Genes, Brain and Behavior, 2021, 20, e12719.	1.1	4
57	Constance E. Lieber, Theodore R. Stanley, and the Enduring Impact of Philanthropy on Psychiatry Research. Biological Psychiatry, 2016, 80, 84-86.	0.7	2
58	Regionâ€specific induction of Î”FosB by repeated administration of typical versus atypical antipsychotic drugs. Synapse, 1999, 33, 118-128.	0.6	1
59	Dependence, Tolerance, and Alteration in Gene Expression. , 1999, , 207-211.		1