

Hiroyuki Nawa

List of Publications by Year in descending order

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155
papers

11,541
citations

30070

54
h-index

29157

104
g-index

157
all docs

157
docs citations

157
times ranked

11419
citing authors

#	ARTICLE	IF	CITATIONS
1	Nucleotide sequences of cloned cDNAs for two types of bovine brain substance P precursor. <i>Nature</i> , 1983, 306, 32-36.	27.8	772
2	Activation of the TrkB Neurotrophin Receptor Is Induced by Antidepressant Drugs and Is Required for Antidepressant-Induced Behavioral Effects. <i>Journal of Neuroscience</i> , 2003, 23, 349-357.	3.6	720
3	Tissue-specific generation of two preprotachykinin mRNAs from one gene by alternative RNA splicing. <i>Nature</i> , 1984, 312, 729-734.	27.8	576
4	Involvement of Brain-Derived Neurotrophic Factor in Spatial Memory Formation and Maintenance in a Radial Arm Maze Test in Rats. <i>Journal of Neuroscience</i> , 2000, 20, 7116-7121.	3.6	486
5	Brain-Derived Neurotrophic Factor Induces Mammalian Target of Rapamycin-Dependent Local Activation of Translation Machinery and Protein Synthesis in Neuronal Dendrites. <i>Journal of Neuroscience</i> , 2004, 24, 9760-9769.	3.6	407
6	BDNF Protein Measured by a Novel Enzyme Immunoassay in Normal Brain and after Seizure: Partial Disagreement with mRNA Levels. <i>European Journal of Neuroscience</i> , 1995, 7, 1527-1535.	2.6	312
7	Increased L1 Retrotransposition in the Neuronal Genome in Schizophrenia. <i>Neuron</i> , 2014, 81, 306-313.	8.1	277
8	Decreased levels of brain-derived neurotrophic factor in serum of chronic schizophrenic patients. <i>Psychiatry Research</i> , 2002, 110, 249-257.	3.3	264
9	Brain-Derived Neurotrophic Factor Promotes Differentiation of Striatal GABAergic Neurons. <i>Developmental Biology</i> , 1994, 165, 243-256.	2.0	247
10	mTOR signaling and its roles in normal and abnormal brain development. <i>Frontiers in Molecular Neuroscience</i> , 2014, 7, 28.	2.9	239
11	Regional specificity of alterations in NGF, BDNF and NT-3 levels in Alzheimer's disease. <i>NeuroReport</i> , 1996, 7, 2925-2928.	1.2	208
12	Regulation of Neuropeptides in Adult Rat Forebrain by the Neurotrophins BDNF and NGF. <i>European Journal of Neuroscience</i> , 1994, 6, 1343-1353.	2.6	202
13	Tyrosyl Phosphorylation of Shp2 Is Required for Normal ERK Activation in Response to Some, but Not All, Growth Factors. <i>Journal of Biological Chemistry</i> , 2003, 278, 41677-41684.	3.4	186
14	Brain-derived Neurotrophic Factor Enhances Neuronal Translation by Activating Multiple Initiation Processes. <i>Journal of Biological Chemistry</i> , 2001, 276, 42818-42825.	3.4	185
15	A single gene for bovine high molecular weight and low molecular weight kininogens. <i>Nature</i> , 1983, 305, 545-549.	27.8	180
16	Regulation of Neuropeptide Expression in Cultured Cerebral Cortical Neurons by Brain-Derived Neurotrophic Factor. <i>Journal of Neurochemistry</i> , 1993, 60, 772-775.	3.9	178
17	Cytokine hypothesis of schizophrenia pathogenesis: Evidence from human studies and animal models. <i>Psychiatry and Clinical Neurosciences</i> , 2010, 64, 217-230.	1.8	177
18	Involvement of Brain-Derived Neurotrophic Factor in Early Retinal Neuropathy of Streptozotocin-Induced Diabetes in Rats: Therapeutic Potential of Brain-Derived Neurotrophic Factor for Dopaminergic Amacrine Cells. <i>Diabetes</i> , 2004, 53, 2412-2419.	0.6	173

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19	Brain Cannabinoid CB2 Receptor in Schizophrenia. <i>Biological Psychiatry</i> , 2010, 67, 974-982.	1.3	163
20	Selective up-regulation of an nmda receptor subunit mrna in cultured cerebellar granule cells by K ⁺ -induced depolarization and nmda treatment. <i>Neuron</i> , 1994, 12, 87-95.	8.1	161
21	Recent progress in animal modeling of immune inflammatory processes in schizophrenia: Implication of specific cytokines. <i>Neuroscience Research</i> , 2006, 56, 2-13.	1.9	159
22	Substance K : A novel mammalian tachykinin that differs from substance P in its pharmacological profile. <i>Life Sciences</i> , 1984, 34, 1153-1160.	4.3	147
23	Sequence analysis of cloned cDNA for rat substance P precursor: Existence of a third substance P precursor. <i>Biochemical and Biophysical Research Communications</i> , 1986, 139, 1040-1046.	2.1	138
24	Recombinant Cholinergic Differentiation Factor (Leukemia Inhibitory Factor) Regulates Sympathetic Neuron Phenotype by Alterations in the Size and Amounts of Neuropeptide mRNAs. <i>Journal of Neurochemistry</i> , 1991, 56, 2147-2150.	3.9	127
25	Biological characterization and optical imaging of brain-derived neurotrophic factor-green fluorescent protein suggest an activity-dependent local release of brain-derived neurotrophic factor in neurites of cultured hippocampal neurons. <i>Journal of Neuroscience Research</i> , 2001, 64, 1-10.	2.9	120
26	Selective reduction of a PDZ protein, SAP-97, in the prefrontal cortex of patients with chronic schizophrenia. <i>Journal of Neurochemistry</i> , 2002, 83, 797-806.	3.9	119
27	Influences of dopaminergic lesion on epidermal growth factor's ErbB signals in Parkinson's disease and its model: neurotrophic implication in nigrostriatal neurons. <i>Journal of Neurochemistry</i> , 2005, 93, 974-983.	3.9	116
28	Protective effects of brain-derived neurotrophic factor on the development of hippocampal kindling in the rat. <i>NeuroReport</i> , 1995, 6, 1937-1941.	1.2	111
29	Are there differences between the secretion characteristics of NGF and BDNF? Implications for the modulatory role of neurotrophins in activity-dependent neuronal plasticity. <i>Microscopy Research and Technique</i> , 1999, 45, 262-275.	2.2	111
30	Separation and partial characterization of neuropeptide-inducing factors in heart cell conditioned medium. <i>Neuron</i> , 1990, 4, 269-277.	8.1	110
31	Patients with temporal lobe epilepsy show an increase in brain-derived neurotrophic factor protein and its correlation with neuropeptide Y. <i>Brain Research</i> , 1999, 818, 579-582.	2.2	109
32	Prefrontal Abnormality of Schizophrenia Revealed by DNA Microarray: Impact on Glial and Neurotrophic Gene Expression. <i>Annals of the New York Academy of Sciences</i> , 2004, 1025, 84-91.	3.8	107
33	Involvement of SMARCA2/BRM in the SWI/SNF chromatin-remodeling complex in schizophrenia. <i>Human Molecular Genetics</i> , 2009, 18, 2483-2494.	2.9	103
34	Phenotypic Characterization of Transgenic Mice Overexpressing Neuregulin-1. <i>PLoS ONE</i> , 2010, 5, e14185.	2.5	102
35	ErbB1-4-dependent EGF/neuregulin signals and their cross talk in the central nervous system: pathological implications in schizophrenia and Parkinson's disease. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 4.	3.7	101
36	BDNF is Upregulated by Postnatal Development and Visual Experience: Quantitative and Immunohistochemical Analyses of BDNF in the Rat Retina. , 2003, 44, 3211.		99

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37	Different biological activities in conditioned media control the expression of a variety of neuropeptides in cultured sympathetic neurons. <i>Neuron</i> , 1990, 4, 279-287.	8.1	98
38	Biochemical evidence for localization of AMPA-type glutamate receptor subunits in the dendritic raft. <i>Molecular Brain Research</i> , 2001, 89, 20-28.	2.3	96
39	Immunohistochemical study of brain-derived neurotrophic factor and its receptor, TrkB, in the hippocampal formation of schizophrenic brains. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2003, 27, 801-807.	4.8	93
40	Brain-derived Neurotrophic Factor Regulates Surface Expression of α -Amino-3-hydroxy-5-methyl-4-isoxazolepropionic Acid Receptors by Enhancing the N-Ethylmaleimide-sensitive Factor/GluR2 Interaction in Developing Neocortical Neurons. <i>Journal of Biological Chemistry</i> , 2002, 277, 40901-40910.	3.4	92
41	M μ 4/11er Cells as a Source of Brain-derived Neurotrophic Factor in the Retina: Noradrenaline Upregulates Brain-derived Neurotrophic Factor Levels in Cultured Rat M μ 4/11er Cells. <i>Neurochemical Research</i> , 2005, 30, 1163-1170.	3.3	89
42	In situ hybridization reveals developmental regulation of ErbB1-4 mRNA expression in mouse midbrain: Implication of ErbB receptors for dopaminergic neurons. <i>Neuroscience</i> , 2009, 161, 95-110.	2.3	83
43	Phenotypic down-regulation of glutamate receptor subunit GluR1 in Alzheimer's disease. <i>Neurobiology of Aging</i> , 1999, 20, 287-295.	3.1	78
44	Perinatal inflammatory cytokine challenge results in distinct neurobehavioral alterations in rats: implication in psychiatric disorders of developmental origin. <i>Neuroscience Research</i> , 2004, 50, 67-75.	1.9	76
45	Regulation of neuropeptide expression in the brain by neurotrophins. <i>Molecular Neurobiology</i> , 1995, 10, 135-149.	4.0	75
46	N-Methyl-d-aspartate-induced α -Amino-3-hydroxy-5-methyl-4-isoxazolepropionic Acid (AMPA) Receptor Down-regulation Involves Interaction of the Carboxyl Terminus of GluR2/3 with Pick1. <i>Journal of Biological Chemistry</i> , 2001, 276, 40025-40032.	3.4	73
47	Dopamine D1 Receptor-induced Signaling through TrkB Receptors in Striatal Neurons. <i>Journal of Biological Chemistry</i> , 2008, 283, 15799-15806.	3.4	69
48	Enhancement of translation elongation in neurons by brain-derived neurotrophic factor: Implications for mammalian target of rapamycin signaling. <i>Journal of Neurochemistry</i> , 2005, 95, 1438-1445.	3.9	67
49	Human-specific features of spatial gene expression and regulation in eight brain regions. <i>Genome Research</i> , 2018, 28, 1097-1110.	5.5	66
50	Schisandrin B Ameliorates ICV-Infused Amyloid β Induced Oxidative Stress and Neuronal Dysfunction through Inhibiting RAGE/NF- κ B/MAPK and Up-Regulating HSP/Beclin Expression. <i>PLoS ONE</i> , 2015, 10, e0142483.	2.5	66
51	Mutual regulation between the intercellular messengers nitric oxide and brain-derived neurotrophic factor in rodent neocortical neurons. <i>European Journal of Neuroscience</i> , 1999, 11, 1567-1576.	2.6	63
52	Neuregulin-1 Signals from the Periphery Regulate AMPA Receptor Sensitivity and Expression in GABAergic Interneurons in Developing Neocortex. <i>Journal of Neuroscience</i> , 2011, 31, 5699-5709.	3.6	63
53	Glutamate receptor agonists enhance the expression of BDNF mRNA in cultured cerebellar granule cells. <i>Molecular Brain Research</i> , 1993, 18, 201-208.	2.3	61
54	Differential Regulation of Hippocampal Neurotrophins During Aging in Rats. <i>Journal of Neurochemistry</i> , 1996, 67, 1124-1131.	3.9	60

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55	Characterization of a Novel synGAP Isoform, synGAP- $\hat{1}^2$. Journal of Biological Chemistry, 2001, 276, 21417-21424.	3.4	57
56	Brain-derived neurotrophic factor signal enhances and maintains the expression of AMPA receptor-associated PDZ proteins in developing cortical neurons. Developmental Biology, 2003, 263, 216-230.	2.0	57
57	Association of the HSPG2 Gene with Neuroleptic-Induced Tardive Dyskinesia. Neuropsychopharmacology, 2010, 35, 1155-1164.	5.4	57
58	Brain derived neurotrophic factor is increased in cerebrospinal fluid of children suffering from asphyxia. Neuroscience Letters, 1998, 240, 151-154.	2.1	56
59	BDNF as an anterophin; a novel neurotrophic relationship between brain neurons. Trends in Neurosciences, 2001, 24, 683-684.	8.6	53
60	A decrease in interleukin-1 receptor antagonist expression in the prefrontal cortex of schizophrenic patients. Neuroscience Research, 2003, 46, 299-307.	1.9	53
61	Glutamate and Quisqualate Regulate Expression of Metabotropic Glutamate Receptor mRNA in Cultured Cerebellar Granule Cells. Journal of Neurochemistry, 1993, 60, 253-259.	3.9	51
62	Involvement of Nitric Oxide in Pentylene-tetrazole-Induced Kindling in Rats. Journal of Neurochemistry, 2001, 74, 792-798.	3.9	49
63	Sustained brain-derived neurotrophic factor up-regulation and sensorimotor gating abnormality induced by postnatal exposure to phencyclidine: comparison with adult treatment. Journal of Neurochemistry, 2006, 99, 770-780.	3.9	47
64	Brain-derived Neurotrophic Factor Enhances the Basal Rate of Protein Synthesis by Increasing Active Eukaryotic Elongation Factor 2 Levels and Promoting Translation Elongation in Cortical Neurons. Journal of Biological Chemistry, 2009, 284, 26340-26348.	3.4	47
65	Measurement and comparison of serum neuregulin 1 immunoreactivity in control subjects and patients with schizophrenia: an influence of its genetic polymorphism. Journal of Neural Transmission, 2010, 117, 887-895.	2.8	47
66	Association of 14-3-3 $\hat{1}^{\mu}$ gene haplotype with completed suicide in Japanese. Journal of Human Genetics, 2005, 50, 210-216.	2.3	46
67	A possible link between BDNF and mTOR in control of food intake. Frontiers in Psychology, 2014, 5, 1093.	2.1	46
68	AMP-activated protein kinase counteracts brain-derived neurotrophic factor-induced mammalian target of rapamycin complex 1 signaling in neurons. Journal of Neurochemistry, 2013, 127, 66-77.	3.9	43
69	Neonatal impact of leukemia inhibitory factor on neurobehavioral development in rats. Neuroscience Research, 2004, 48, 345-353.	1.9	42
70	Distinct Influences of Neonatal Epidermal Growth Factor Challenge on Adult Neurobehavioral Traits in Four Mouse Strains. Behavior Genetics, 2005, 35, 615-629.	2.1	41
71	A quantitative study on the expression of synapsin II and N-ethylmaleimide-sensitive fusion protein in schizophrenic patients. Neuroscience Letters, 2001, 305, 185-188.	2.1	39
72	Conditioned Place Preference and Locomotor Sensitization after Repeated Administration of Cocaine or Methamphetamine in Rats Treated with Epidermal Growth Factor during the Neonatal Period. Annals of the New York Academy of Sciences, 2004, 1025, 612-618.	3.8	36

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73	Activation of mammalian target of rapamycin signaling in spatial learning. <i>Neuroscience Research</i> , 2010, 68, 88-93.	1.9	35
74	Cell Surface Expression of the Major Amyloid- β Peptide ($A\beta$)-degrading Enzyme, Neprilysin, Depends on Phosphorylation by Mitogen-activated Protein Kinase/Extracellular Signal-regulated Kinase Kinase (MEK) and Dephosphorylation by Protein Phosphatase 1a. <i>Journal of Biological Chemistry</i> , 2012, 287, 29362-29372.	3.4	35
75	A Cyclooxygenase-2 Inhibitor Ameliorates Behavioral Impairments Induced by Striatal Administration of Epidermal Growth Factor. <i>Journal of Neuroscience</i> , 2007, 27, 10116-10127.	3.6	34
76	Regulation of Nerve Growth Factor Release by Nitric Oxide through Cyclic GMP Pathway in Cortical Glial Cells. <i>Molecular Pharmacology</i> , 1999, 56, 339-347.	2.3	33
77	Leucine induces phosphorylation and activation of p70S6K in cortical neurons via the system L amino acid transporter. <i>Journal of Neurochemistry</i> , 2008, 106, 934-942.	3.9	33
78	Pallidal Hyperdopaminergic Innervation Underlying D2 Receptor-Dependent Behavioral Deficits in the Schizophrenia Animal Model Established by EGF. <i>PLoS ONE</i> , 2011, 6, e25831.	2.5	33
79	The anthraquinone derivative Emodin ameliorates neurobehavioral deficits of a rodent model for schizophrenia. <i>Journal of Neural Transmission</i> , 2008, 115, 521-530.	2.8	32
80	Taurodontism and Van der Woude Syndrome. <i>Angle Orthodontist</i> , 2008, 78, 832-837.	2.4	32
81	USP10 Is a Driver of Ubiquitinated Protein Aggregation and Aggresome Formation to Inhibit Apoptosis. <i>IScience</i> , 2018, 9, 433-450.	4.1	32
82	Expression of ErbB4 in substantia nigra dopamine neurons of monkeys and humans. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2009, 33, 701-706.	4.8	31
83	Qualitative and quantitative reevaluation of epidermal growth factor-ErbB1 action on developing midbrain dopaminergic neurons <i>in vivo</i> and <i>in vitro</i> : target-derived neurotrophic signaling (Part 1). <i>Journal of Neurochemistry</i> , 2011, 118, 45-56.	3.9	31
84	Transforming growth factor alpha attenuates the functional expression of AMPA receptors in cortical GABAergic neurons. <i>Molecular and Cellular Neurosciences</i> , 2006, 31, 628-641.	2.2	28
85	Prostaglandin E receptor EP1 enhances GABA-mediated inhibition of dopaminergic neurons in the substantia nigra pars compacta and regulates dopamine level in the dorsal striatum. <i>European Journal of Neuroscience</i> , 2009, 30, 2338-2346.	2.6	28
86	Neuropathologic Implication of Peripheral Neuregulin-1 and EGF Signals in Dopaminergic Dysfunction and Behavioral Deficits Relevant to Schizophrenia: Their Target Cells and Time Window. <i>BioMed Research International</i> , 2014, 2014, 1-12.	1.9	28
87	In vivo administration of epidermal growth factor and its homologue attenuates developmental maturation of functional excitatory synapses in cortical GABAergic neurons. <i>European Journal of Neuroscience</i> , 2007, 25, 380-390.	2.6	27
88	Reproducibility of landmark identification in the jaw and teeth on 3-dimensional cone-beam computed tomography images. <i>Angle Orthodontist</i> , 2011, 81, 843-849.	2.4	27
89	Establishment of a novel enzyme-linked immunosorbant assay for Thy-1; quantitative assessment of neuronal degeneration. <i>Neuroscience Letters</i> , 2002, 329, 185-188.	2.1	26
90	Sindbis viral-mediated expression of Ca ²⁺ -permeable AMPA receptors at hippocampal CA1 synapses and induction of NMDA receptor-independent long-term potentiation. <i>European Journal of Neuroscience</i> , 2001, 13, 1635-1643.	2.6	25

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91	A palmitoylated RING finger ubiquitin ligase and its homologue in the brain membranes. <i>Journal of Neurochemistry</i> , 2003, 86, 749-762.	3.9	25
92	Epidermal growth factor administered in the periphery influences excitatory synaptic inputs onto midbrain dopaminergic neurons in postnatal mice. <i>Neuroscience</i> , 2009, 158, 1731-1741.	2.3	25
93	Brain-derived neurotrophic factor upregulates and maintains AMPA receptor currents in neocortical GABAergic neurons. <i>Molecular and Cellular Neurosciences</i> , 2003, 24, 340-356.	2.2	23
94	Supportive Evidence for Reduced Expression of GNB1L in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2010, 36, 756-765.	4.3	23
95	Similarity and variation in gene expression among human cerebral cortical subregions revealed by DNA microarrays: technical consideration of RNA expression profiling from postmortem samples. <i>Molecular Brain Research</i> , 2001, 88, 74-82.	2.3	21
96	Dopamine-dependent ectodomain shedding and release of epidermal growth factor in developing striatum: target-derived neurotrophic signaling (Part 2). <i>Journal of Neurochemistry</i> , 2011, 118, 57-68.	3.9	21
97	Over-expression of Kv1.5 in rat cardiomyocytes extremely shortens the duration of the action potential and causes rapid excitation. <i>Biochemical and Biophysical Research Communications</i> , 2006, 345, 1116-1121.	2.1	20
98	Glutamate-dependent ectodomain shedding of neuregulin-1 type II precursors in rat forebrain neurons. <i>PLoS ONE</i> , 2017, 12, e0174780.	2.5	20
99	Neonatal exposure to an inflammatory cytokine, epidermal growth factor, results in the deficits of mismatch negativity in rats. <i>Scientific Reports</i> , 2019, 9, 7503.	3.3	20
100	Shp-2 positively regulates brain-derived neurotrophic factor-promoted survival of cultured ventral mesencephalic dopaminergic neurons through a brain immunoglobulin-like molecule with tyrosine-based activation motifs/Shp substrate-1. <i>Journal of Neurochemistry</i> , 2002, 82, 353-364.	3.9	19
101	Action-Potential-Independent GABAergic Tone Mediated by Nicotinic Stimulation of Immature Striatal Miniature Synaptic Transmission. <i>Journal of Neurophysiology</i> , 2007, 98, 581-593.	1.8	19
102	Neonatal exposure to epidermal growth factor induces dopamine D2-like receptor supersensitivity in adult sensorimotor gating. <i>Psychopharmacology</i> , 2007, 191, 783-792.	3.1	19
103	mRNA distribution of the thalidomide binding protein cereblon in adult mouse brain. <i>Neuroscience Research</i> , 2011, 69, 343-347.	1.9	19
104	Possible involvement of BDNF release in long-lasting synapse formation induced by repetitive PKA activation. <i>Neuroscience Letters</i> , 2006, 406, 38-42.	2.1	18
105	Common behavioral influences of the ErbB1 ligands transforming growth factor alpha and epiregulin administered to mouse neonates. <i>Brain and Development</i> , 2008, 30, 533-543.	1.1	18
106	Differential distributions of peptides in the epidermal growth factor family and phosphorylation of ErbB1 receptor in adult rat brain. <i>Neuroscience Letters</i> , 2005, 390, 21-24.	2.1	17
107	ErbB1 receptor ligands attenuate the expression of synaptic scaffolding proteins, GRIP1 and SAP97, in developing neocortex. <i>Neuroscience</i> , 2005, 136, 1037-1047.	2.3	17
108	Antipsychotic Potential of Quinazoline ErbB1 Inhibitors in a Schizophrenia Model Established With Neonatal Hippocampal Lesioning. <i>Journal of Pharmacological Sciences</i> , 2010, 114, 320-331.	2.5	17

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109	Association study of interleukin 2 (IL2) and IL4 with schizophrenia in a Japanese population. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2008, 258, 422-427.	3.2	16
110	Elevated postmortem striatal t-DARPP expression in schizophrenia and associations with DRD2/ANKK1 polymorphism. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2014, 53, 123-128.	4.8	16
111	Epidermal growth factor signals attenuate phenotypic and functional development of neocortical <scp>GABA</scp> neurons. <i>Journal of Neurochemistry</i> , 2017, 142, 886-900.	3.9	16
112	A Novel Two-Site Enzyme Immunoassay Reveals the Regional Distributions of and Developmental Changes in GluR1 and NMDAR1 Protein Contents in the Rat Brain. <i>Journal of Neurochemistry</i> , 2002, 73, 408-417.	3.9	15
113	Experimental Schizophrenia Models in Rodents Established with Inflammatory Agents and Cytokines. <i>Methods in Molecular Biology</i> , 2012, 829, 445-451.	0.9	15
114	Exposure to the cytokine EGF leads to abnormal hyperactivity of pallidal GABA neurons: implications for schizophrenia and its modeling. <i>Journal of Neurochemistry</i> , 2013, 126, 518-528.	3.9	15
115	Pathological Implications of Oxidative Stress in Patients and Animal Models with Schizophrenia: The Role of Epidermal Growth Factor Receptor Signaling. <i>Current Topics in Behavioral Neurosciences</i> , 2015, 29, 429-446.	1.7	15
116	Cellular and subcellular distributions of translation initiation, elongation and release factors in rat hippocampus. <i>Molecular Brain Research</i> , 2003, 111, 165-174.	2.3	14
117	Neurobehavioral deficits of epidermal growth factor-overexpressing transgenic mice: Impact on dopamine metabolism. <i>Neuroscience Letters</i> , 2013, 547, 21-25.	2.1	14
118	Perinatal Exposure to Neuregulin-1 Results in Disinhibition of Adult Midbrain Dopaminergic Neurons: Implication in Schizophrenia Modeling. <i>Scientific Reports</i> , 2016, 6, 22606.	3.3	14
119	Resting-state dopaminergic cell firing in the ventral tegmental area negatively regulates affiliative social interactions in a developmental animal model of schizophrenia. <i>Translational Psychiatry</i> , 2021, 11, 236.	4.8	14
120	Partial cloning of the rat choline acetyltransferase gene and in situ localization of its transcripts in the cell body of cholinergic neurons in the brain stem and spinal cord. <i>Molecular Brain Research</i> , 1993, 17, 101-111.	2.3	13
121	The anthraquinone derivative emodin attenuates methamphetamine-induced hyperlocomotion and startle response in rats. <i>Pharmacology Biochemistry and Behavior</i> , 2010, 97, 392-398.	2.9	13
122	PACAP and NGF cooperatively enhance choline acetyltransferase activity in postnatal basal forebrain neurons by complementary induction of its different mRNA species. <i>Biochemical and Biophysical Research Communications</i> , 2003, 301, 344-349.	2.1	12
123	Activation of epidermal growth factor receptor ErbB1 attenuates inhibitory synaptic development in mouse dentate gyrus. <i>Neuroscience Research</i> , 2009, 63, 138-148.	1.9	12
124	Cyclooxygenase-2 plays a critical role in retinal ganglion cell death after transient ischemia: Real-time monitoring of RGC survival using Thy-1-EGFP transgenic mice. <i>Neuroscience Research</i> , 2009, 65, 319-325.	1.9	12
125	Pathological alterations of chondroitin sulfate moiety in postmortem hippocampus of patients with schizophrenia. <i>Psychiatry Research</i> , 2018, 270, 940-946.	3.3	12
126	Strain-dependent behavioral alterations induced by peripheral interleukin-1 challenge in neonatal mice. <i>Behavioural Brain Research</i> , 2006, 166, 19-31.	2.2	11

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127	Advanced glycation end products induce brain-derived neurotrophic factor release from human platelets through the Src-family kinase activation. <i>Cardiovascular Diabetology</i> , 2017, 16, 20.	6.8	11
128	Intera-breeder differences in prepulse inhibition deficits of C57BL/6J mice in a maternal immune activation model. <i>Neuropsychopharmacology Reports</i> , 2021, 41, 416-421.	2.3	11
129	Quantitative Analyses of mRNA and Protein Levels of Neurotrophin-3 in the Rat Retina During Postnatal Development and Aging. <i>Japanese Journal of Ophthalmology</i> , 2004, 48, 460-464.	1.9	10
130	Neurobehavioral Differences Between Mice Receiving Distinct Neuregulin Variants as Neonates; Impact on Sensitivity to MK-801. <i>Current Molecular Medicine</i> , 2015, 15, 222-236.	1.3	10
131	Transforming growth factor- β changes firing properties of developing neocortical GABAergic neurons by down-regulation of voltage-gated potassium currents. <i>Neuroscience</i> , 2003, 122, 637-646.	2.3	9
132	ALDH4A1 expression levels are elevated in postmortem brains of patients with schizophrenia and are associated with genetic variants in enzymes related to proline metabolism. <i>Journal of Psychiatric Research</i> , 2020, 123, 119-127.	3.1	8
133	A Novel Rat Orthologue and Homologue for the Drosophila crooked neck Gene in Neural Stem Cells and Their Immediate Descendants. <i>Journal of Biochemistry</i> , 2003, 133, 615-623.	1.7	7
134	ErbB2 Dephosphorylation and Anti-Proliferative Effects of Neuregulin-1 in ErbB2-Overexpressing Cells; Re-evaluation of Their Low-Affinity Interaction. <i>Scientific Reports</i> , 2013, 3, 1402.	3.3	7
135	Clozapine-dependent inhibition of EGF/neuregulin receptor (ErbB) kinases. <i>Translational Psychiatry</i> , 2019, 9, 181.	4.8	7
136	Activity-dependent shedding of heparin-binding EGF-like growth factor in brain neurons. <i>Biochemical and Biophysical Research Communications</i> , 2006, 348, 963-970.	2.1	6
137	Molecular characterization and gene disruption of a novel zinc-finger protein, HIT-4, expressed in rodent brain. <i>Journal of Neurochemistry</i> , 2010, 112, 1035-1044.	3.9	6
138	The dual role of dopamine in the modulation of information processing in the prefrontal cortex underlying social behavior. <i>FASEB Journal</i> , 2022, 36, e22160.	0.5	6
139	Turnover rates of the AMPA-type glutamate receptor GluR1 measured by transient gene expression. <i>Journal of Neuroscience Methods</i> , 1998, 84, 173-179.	2.5	5
140	The distribution of neuropeptide Y and brain-derived neurotrophic factor immunoreactivity in hippocampal formation of the monkey and rat. <i>Brain Research</i> , 2000, 852, 475-478.	2.2	5
141	Post-pubertal Difference in Nigral Dopaminergic Cells Firing in the Schizophrenia Model Prepared by Perinatal Challenges of a Cytokine, EGF. <i>Neuroscience</i> , 2020, 441, 22-32.	2.3	5
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