

Hiroyuki Nawa

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6217452/hiroyuki-nawa-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

155
papers

10,251
citations

52
h-index

99
g-index

157
ext. papers

10,891
ext. citations

5.5
avg, IF

5.74
L-index

#	Paper	IF	Citations
155	Nucleotide sequences of cloned cDNAs for two types of bovine brain substance P precursor. <i>Nature</i> , 1983 , 306, 32-6	50.4	730
154	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, 349-57	6.6	632
153	Tissue-specific generation of two preprotachykinin mRNAs from one gene by alternative RNA splicing. <i>Nature</i> , 1984 , 312, 729-34	50.4	548
152	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, 7116-21	6.6	441
151	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, 9760-9	6.6	342
150	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, 1527-35	3.5	297
149	Brain-derived neurotrophic factor promotes differentiation of striatal GABAergic neurons. <i>Developmental Biology</i> , 1994 , 165, 243-56	3.1	237
148	Decreased levels of brain-derived neurotrophic factor in serum of chronic schizophrenic patients. <i>Psychiatry Research</i> , 2002 , 110, 249-57	9.9	234
147	Increased l1 retrotransposition in the neuronal genome in schizophrenia. <i>Neuron</i> , 2014 , 81, 306-13	13.9	220
146	Regulation of neuropeptides in adult rat forebrain by the neurotrophins BDNF and NGF. <i>European Journal of Neuroscience</i> , 1994 , 6, 1343-53	3.5	190
145	Regional specificity of alterations in NGF, BDNF and NT-3 levels in Alzheimer's disease. <i>NeuroReport</i> , 1996 , 7, 2925-8	1.7	188
144	mTOR signaling and its roles in normal and abnormal brain development. <i>Frontiers in Molecular Neuroscience</i> , 2014 , 7, 28	6.1	180
143	A single gene for bovine high molecular weight and low molecular weight kininogens. <i>Nature</i> , 1983 , 305, 545-9	50.4	170
142	Brain-derived neurotrophic factor enhances neuronal translation by activating multiple initiation processes: comparison with the effects of insulin. <i>Journal of Biological Chemistry</i> , 2001 , 276, 42818-25	5.4	168
141	Regulation of neuropeptide expression in cultured cerebral cortical neurons by brain-derived neurotrophic factor. <i>Journal of Neurochemistry</i> , 1993 , 60, 772-5	6	167
140	Cytokine hypothesis of schizophrenia pathogenesis: evidence from human studies and animal models. <i>Psychiatry and Clinical Neurosciences</i> , 2010 , 64, 217-30	6.2	160
139	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	13.9	155

138	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, 41677-84	5.4	154
137	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, 2412-9	0.9	149
136	Recent progress in animal modeling of immune inflammatory processes in schizophrenia: implication of specific cytokines. <i>Neuroscience Research</i> , 2006 , 56, 2-13	2.9	145
135	Brain cannabinoid CB2 receptor in schizophrenia. <i>Biological Psychiatry</i> , 2010 , 67, 974-82	7.9	139
134	Substance K: a novel mammalian tachykinin that differs from substance P in its pharmacological profile. <i>Life Sciences</i> , 1984 , 34, 1153-60	6.8	132
133	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, 1040-6	3.4	131
132	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, 2147-50	6	124
131	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	4.4	112
130	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	6	109
129	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, 262-75	2.8	102
128	Separation and partial characterization of neuropeptide-inducing factors in heart cell conditioned medium. <i>Neuron</i> , 1990 , 4, 269-77	13.9	102
127	Protective effects of brain-derived neurotrophic factor on the development of hippocampal kindling in the rat. <i>NeuroReport</i> , 1995 , 6, 1937-41	1.7	101
126	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	6.5	97
125	Influences of dopaminergic lesion on epidermal growth factor-ErbB signals in Parkinson's disease and its model: neurotrophic implication in nigrostriatal neurons. <i>Journal of Neurochemistry</i> , 2005 , 93, 974-83	6	96
124	Different biological activities in conditioned media control the expression of a variety of neuropeptides in cultured sympathetic neurons. <i>Neuron</i> , 1990 , 4, 279-87	13.9	95
123	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, 579-82	3.7	94
122	Phenotypic characterization of transgenic mice overexpressing neuregulin-1. <i>PLoS ONE</i> , 2010 , 5, e141853.7		93
121	Biochemical evidence for localization of AMPA-type glutamate receptor subunits in the dendritic raft. <i>Molecular Brain Research</i> , 2001 , 89, 20-8		90

120	Involvement of SMARCA2/BRM in the SWI/SNF chromatin-remodeling complex in schizophrenia. <i>Human Molecular Genetics</i> , 2009 , 18, 2483-94	5.6	89
119	BDNF is upregulated by postnatal development and visual experience: quantitative and immunohistochemical analyses of BDNF in the rat retina. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 3211-8		85
118	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, 801-7	5.5	82
117	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	6.1	79
116	Brain-derived neurotrophic factor regulates surface expression of alpha-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, 40901-10	5.4	77
115	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	3.9	74
114	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	2.9	71
113	Müller Cells as a source of brain-derived neurotrophic factor in the retina: noradrenaline upregulates brain-derived neurotrophic factor levels in cultured rat Müller cells. <i>Neurochemical Research</i> , 2005 , 30, 1163-70	4.6	71
112	Regulation of neuropeptide expression in the brain by neurotrophins. Potential role in vivo. <i>Molecular Neurobiology</i> , 1995 , 10, 135-49	6.2	71
111	Phenotypic down-regulation of glutamate receptor subunit GluR1 in Alzheimer's disease. <i>Neurobiology of Aging</i> , 1999 , 20, 287-95	5.6	67
110	N-methyl-D-aspartate-induced alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) receptor down-regulation involves interaction of the carboxyl terminus of GluR2/3 with Pick1. Ligand-binding studies using Sindbis vectors carrying AMPA receptor decoys. <i>Journal of Biological Chemistry</i> , 2001 , 276, 40025-32	5.4	63
109	Glutamate receptor agonists enhance the expression of BDNF mRNA in cultured cerebellar granule cells. <i>Molecular Brain Research</i> , 1993 , 18, 201-8		61
108	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, 1438-45	6	60
107	Dopamine D1 receptor-induced signaling through TrkB receptors in striatal neurons. <i>Journal of Biological Chemistry</i> , 2008 , 283, 15799-806	5.4	59
106	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, 5699-709	6.6	58
105	Schisandrin B Ameliorates ICV-Infused Amyloid 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	3.7	57
104	Differential regulation of hippocampal neurotrophins during aging in rats. <i>Journal of Neurochemistry</i> , 1996 , 67, 1124-31	6	54
103	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, 1567-76	3.5	52

102	Brain derived neurotrophic factor is increased in cerebrospinal fluid of children suffering from asphyxia. <i>Neuroscience Letters</i> , 1998 , 240, 151-4	3.3	51
101	Brain-derived neurotrophic factor signal enhances and maintains the expression of AMPA receptor-associated PDZ proteins in developing cortical neurons. <i>Developmental Biology</i> , 2003 , 263, 216-30	3.1	51
100	A decrease in interleukin-1 receptor antagonist expression in the prefrontal cortex of schizophrenic patients. <i>Neuroscience Research</i> , 2003 , 46, 299-307	2.9	50
99	Glutamate and quisqualate regulate expression of metabotropic glutamate receptor mRNA in cultured cerebellar granule cells. <i>Journal of Neurochemistry</i> , 1993 , 60, 253-9	6	50
98	Association of the HSPG2 gene with neuroleptic-induced tardive dyskinesia. <i>Neuropsychopharmacology</i> , 2010 , 35, 1155-64	8.7	49
97	BDNF as an anterophin; a novel neurotrophic relationship between brain neurons. <i>Trends in Neurosciences</i> , 2001 , 24, 683-4; discussion 684-5	13.3	48
96	Characterization of a novel synGAP isoform, synGAP-beta. <i>Journal of Biological Chemistry</i> , 2001 , 276, 21417-24	5.4	46
95	Sustained brain-derived neurotrophic factor up-regulation and sensorimotor gating abnormality induced by postnatal exposure to phencyclidine: comparison with adult treatment. <i>Journal of Neurochemistry</i> , 2006 , 99, 770-80	6	44
94	Measurement and comparison of serum neuregulin 1 immunoreactivity in control subjects and patients with schizophrenia: an influence of its genetic polymorphism. <i>Journal of Neural Transmission</i> , 2010 , 117, 887-95	4.3	43
93	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. <i>Journal of Biological Chemistry</i> , 2009 , 284, 26340-8	5.4	41
92	Neonatal impact of leukemia inhibitory factor on neurobehavioral development in rats. <i>Neuroscience Research</i> , 2004 , 48, 345-53	2.9	40
91	Distinct influences of neonatal epidermal growth factor challenge on adult neurobehavioral traits in four mouse strains. <i>Behavior Genetics</i> , 2005 , 35, 615-29	3.2	40
90	Human-specific features of spatial gene expression and regulation in eight brain regions. <i>Genome Research</i> , 2018 , 28, 1097-1110	9.7	39
89	Involvement of nitric oxide in pentylene-tetrazole-induced kindling in rats. <i>Journal of Neurochemistry</i> , 2000 , 74, 792-8	6	39
88	Association of 14-3-3 epsilon gene haplotype with completed suicide in Japanese. <i>Journal of Human Genetics</i> , 2005 , 50, 210-216	4.3	37
87	A quantitative study on the expression of synapsin II and N-ethylmaleimide-sensitive fusion protein in schizophrenic patients. <i>Neuroscience Letters</i> , 2001 , 305, 185-8	3.3	36
86	Conditioned place preference and locomotor sensitization after repeated administration of cocaine or methamphetamine in rats treated with epidermal growth factor during the neonatal period. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1025, 612-8	6.5	35
85	A possible link between BDNF and mTOR in control of food intake. <i>Frontiers in Psychology</i> , 2014 , 5, 1093	3.4	34

84	AMP-activated protein kinase counteracts brain-derived neurotrophic factor-induced mammalian target of rapamycin complex 1 signaling in neurons. <i>Journal of Neurochemistry</i> , 2013 , 127, 66-77	6	31
83	A cyclooxygenase-2 inhibitor ameliorates behavioral impairments induced by striatal administration of epidermal growth factor. <i>Journal of Neuroscience</i> , 2007 , 27, 10116-27	6.6	31
82	Regulation of nerve growth factor release by nitric oxide through cyclic GMP pathway in cortical glial cells. <i>Molecular Pharmacology</i> , 1999 , 56, 339-47	4.3	31
81	Cell surface expression of the major amyloid- β peptide (A β)-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, 29362-72	5.4	30
80	The anthraquinone derivative Emodin ameliorates neurobehavioral deficits of a rodent model for schizophrenia. <i>Journal of Neural Transmission</i> , 2008 , 115, 521-30	4.3	30
79	Activation of mammalian target of rapamycin signaling in spatial learning. <i>Neuroscience Research</i> , 2010 , 68, 88-93	2.9	29
78	Qualitative and quantitative re-evaluation of epidermal growth factor-ErbB1 action on developing midbrain dopaminergic neurons in vivo and in vitro: target-derived neurotrophic signaling (Part 1). <i>Journal of Neurochemistry</i> , 2011 , 118, 45-56	6	28
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, 934-42	6	28
76	Pallidal hyperdopaminergic innervation underlying D2 receptor-dependent behavioral deficits in the schizophrenia animal model established by EGF. <i>PLoS ONE</i> , 2011 , 6, e25831	3.7	27
75	Transforming growth factor alpha attenuates the functional expression of AMPA receptors in cortical GABAergic neurons. <i>Molecular and Cellular Neurosciences</i> , 2006 , 31, 628-41	4.8	26
74	Taurodontism and Van der Woude syndrome. Is there an association?. <i>Angle Orthodontist</i> , 2008 , 78, 832-7.6		25
73	Reproducibility of landmark identification in the jaw and teeth on 3-dimensional cone-beam computed tomography images. <i>Angle Orthodontist</i> , 2011 , 81, 843-9	2.6	24
72	Expression of ErbB4 in substantia nigra dopamine neurons of monkeys and humans. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2009 , 33, 701-6	5.5	24
71	Establishment of a novel enzyme-linked immunosorbent assay for Thy-1; quantitative assessment of neuronal degeneration. <i>Neuroscience Letters</i> , 2002 , 329, 185-8	3.3	24
70	Epidermal growth factor administered in the periphery influences excitatory synaptic inputs onto midbrain dopaminergic neurons in postnatal mice. <i>Neuroscience</i> , 2009 , 158, 1731-41	3.9	23
69	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, 1635-43	3.5	23
68	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, 697935	3	22
67	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, 380-90	3.5	22

66	Brain-derived neurotrophic factor upregulates and maintains AMPA receptor currents in neocortical GABAergic neurons. <i>Molecular and Cellular Neurosciences</i> , 2003 , 24, 340-56	4.8	22
65	Similarity and variation in gene expression among human cerebral cortical subregions revealed by DNA macroarrays: technical consideration of RNA expression profiling from postmortem samples. <i>Molecular Brain Research</i> , 2001 , 88, 74-82		21
64	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	6	20
63	A palmitoylated RING finger ubiquitin ligase and its homologue in the brain membranes. <i>Journal of Neurochemistry</i> , 2003 , 86, 749-62	6	20
62	Neonatal exposure to epidermal growth factor induces dopamine D2-like receptor supersensitivity in adult sensorimotor gating. <i>Psychopharmacology</i> , 2007 , 191, 783-92	4.7	19
61	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, 2338-46	3.5	18
60	Action-potential-independent GABAergic tone mediated by nicotinic stimulation of immature striatal miniature synaptic transmission. <i>Journal of Neurophysiology</i> , 2007 , 98, 581-93	3.2	18
59	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, 1116-21	3.4	18
58	Supportive evidence for reduced expression of GNB1L in schizophrenia. <i>Schizophrenia Bulletin</i> , 2010 , 36, 756-65	1.3	17
57	ErbB1 receptor ligands attenuate the expression of synaptic scaffolding proteins, GRIP1 and SAP97, in developing neocortex. <i>Neuroscience</i> , 2005 , 136, 1037-47	3.9	17
56	Possible involvement of BDNF release in long-lasting synapse formation induced by repetitive PKA activation. <i>Neuroscience Letters</i> , 2006 , 406, 38-42	3.3	17
55	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, 353-64	6	17
54	USP10 Is a Driver of Ubiquitinated Protein Aggregation and Aggresome Formation to Inhibit Apoptosis. <i>iScience</i> , 2018 , 9, 433-450	6.1	17
53	Antipsychotic potential of quinazoline ErbB1 inhibitors in a schizophrenia model established with neonatal hippocampal lesioning. <i>Journal of Pharmacological Sciences</i> , 2010 , 114, 320-31	3.7	16
52	Epidermal growth factor signals attenuate phenotypic and functional development of neocortical GABA neurons. <i>Journal of Neurochemistry</i> , 2017 , 142, 886-900	6	15
51	Glutamate-dependent ectodomain shedding of neuregulin-1 type II precursors in rat forebrain neurons. <i>PLoS ONE</i> , 2017 , 12, e0174780	3.7	15
50	Differential distributions of peptides in the epidermal growth factor family and phosphorylation of ErbB 1 receptor in adult rat brain. <i>Neuroscience Letters</i> , 2005 , 390, 21-4	3.3	15
49	Common behavioral influences of the ErbB1 ligands transforming growth factor alpha and epiregulin administered to mouse neonates. <i>Brain and Development</i> , 2008 , 30, 533-43	2.2	14

48	Cellular and subcellular distributions of translation initiation, elongation and release factors in rat hippocampus. <i>Molecular Brain Research</i> , 2003 , 111, 165-74		14
47	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	4.9	13
46	Neurobehavioral deficits of epidermal growth factor-overexpressing transgenic mice: impact on dopamine metabolism. <i>Neuroscience Letters</i> , 2013 , 547, 21-5	3.3	13
45	Experimental schizophrenia models in rodents established with inflammatory agents and cytokines. <i>Methods in Molecular Biology</i> , 2012 , 829, 445-51	1.4	13
44	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, 422-7	5.1	13
43	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> , 1999 , 73, 408-17	6	13
42	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, 101-11		13
41	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> , 2016 , 29, 429-446	3.4	12
40	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, 123-8	5.5	12
39	mRNA distribution of the thalidomide binding protein cereblon in adult mouse brain. <i>Neuroscience Research</i> , 2011 , 69, 343-7	2.9	12
38	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, 344-9	3.4	12
37	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, 518-28	6	11
36	Activation of epidermal growth factor receptor ErbB1 attenuates inhibitory synaptic development in mouse dentate gyrus. <i>Neuroscience Research</i> , 2009 , 63, 138-48	2.9	11
35	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, 319-25	2.9	11
34	The anthraquinone derivative emodin attenuates methamphetamine-induced hyperlocomotion and startle response in rats. <i>Pharmacology Biochemistry and Behavior</i> , 2010 , 97, 392-8	3.9	11
33	Perinatal Exposure to Neuregulin-1 Results in Disinhibition of Adult Midbrain Dopaminergic Neurons: Implication in Schizophrenia Modeling. <i>Scientific Reports</i> , 2016 , 6, 22606	4.9	10
32	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	8.7	10
31	Strain-dependent behavioral alterations induced by peripheral interleukin-1 challenge in neonatal mice. <i>Behavioural Brain Research</i> , 2006 , 166, 19-31	3.4	10

30	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, 460-4	2.6	9
29	Transforming growth factor-alpha changes firing properties of developing neocortical GABAergic neurons by down-regulation of voltage-gated potassium currents. <i>Neuroscience</i> , 2003 , 122, 637-46	3.9	9
28	Neurobehavioral Differences Between Mice Receiving Distinct Neuregulin Variants as Neonates; Impact on Sensitivity to MK-801. <i>Current Molecular Medicine</i> , 2015 , 15, 222-36	2.5	8
27	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	8.6	8
26	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, 615-23	3.1	7
25	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	4.9	6
24	Activity-dependent shedding of heparin-binding EGF-like growth factor in brain neurons. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 348, 963-70	3.4	6
23	Pathological alterations of chondroitin sulfate moiety in postmortem hippocampus of patients with schizophrenia. <i>Psychiatry Research</i> , 2018 , 270, 940-946	9.9	6
22	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	5.2	5
21	Molecular characterization and gene disruption of a novel zinc-finger protein, HIT-4, expressed in rodent brain. <i>Journal of Neurochemistry</i> , 2010 , 112, 1035-44	6	5
20	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, 475-8	3.7	5
19	Turnover rates of the AMPA-type glutamate receptor GluR1 measured by transient gene expression. <i>Journal of Neuroscience Methods</i> , 1998 , 84, 173-9	3	4
18	Developmental changes of eukaryotic initiation factor 2B subunits in rat hippocampus. <i>Neuroscience Letters</i> , 2003 , 346, 117-9	3.3	4
17	Basic Fibroblast Growth Factor Modulates the Expression of PDZ Domain-containing Proteins in Cultured Cortical Neurons. <i>Acta Medica Et Biologica</i> , 2002 , 50, 107-115		4
16	Inter-breeder differences in prepulse inhibition deficits of C57BL/6J mice in a maternal immune activation model. <i>Neuropsychopharmacology Reports</i> , 2021 , 41, 416-421	2.2	4
15	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	3.9	3
14	Clozapine-dependent inhibition of EGF/neuregulin receptor (ErbB) kinases. <i>Translational Psychiatry</i> , 2019 , 9, 181	8.6	3
13	Striatal hypodopamine phenotypes found in transgenic mice that overexpress glial cell line-derived neurotrophic factor. <i>Neuroscience Letters</i> , 2017 , 654, 99-106	3.3	3

12	Field potential recording in the ventral tegmental area: pharmacological and toxicological evaluations of postsynaptic dopaminergic neuron activity. <i>Neuroscience Research</i> , 2006 , 55, 426-33	2.9	3
11	Sound frequency dependence of duration mismatch negativity recorded from awake rats. <i>Neuropsychopharmacology Reports</i> , 2020 , 40, 96-101	2.2	3
10	Perinatal Epidermal Growth Factor Signal Perturbation Results in the Series of Abnormal Auditory Oscillations and Responses Relevant to Schizophrenia. <i>Schizophrenia Bulletin Open</i> , 2021 , 2,	2.2	3
9	Cloning of cDNAs and genomic DNAs for high-molecular-weight and low-molecular-weight kininogens. <i>Methods in Enzymology</i> , 1988 , 163, 230-40	1.7	2
8	Rat call-evoked electrocorticographic responses and intercortical phase synchrony impaired in a cytokine-induced animal model for schizophrenia. <i>Neuroscience Research</i> , 2021 ,	2.9	2
7	Effects of the -141C insertion/deletion polymorphism in the dopamine D2 receptor gene on the dopamine system in the striatum in patients with schizophrenia. <i>Psychiatry Research</i> , 2018 , 264, 116-118 ^{9.9}	9.9	1
6	In vitro production of an active neurotrophic factor, neuregulin-1: qualitative comparison of different cell-free translation systems. <i>Neuroscience Letters</i> , 2011 , 497, 90-3	3.3	1
5	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	0.9	1
4	The dopamine D2 agonist quinpirole impairs frontal mismatch responses to sound frequency deviations in freely moving rats. <i>Neuropsychopharmacology Reports</i> , 2021 , 41, 405-415	2.2	1
3	Elevation of EGR1/zif268, a Neural Activity Marker, in the Auditory Cortex of Patients with Schizophrenia and its Animal Model.. <i>Neurochemical Research</i> , 2022 , 1	4.6	0
2	EGF Downregulates Presynaptic Maturation and Suppresses Synapse Formation In Vitro and In Vivo.. <i>Neurochemical Research</i> , 2022 , 1	4.6	
1	Assessment of Root and Root Canal Shapes of Supernumerary Teeth in Maxillary Incisor Region Using Cone-Beam Computed Tomography. <i>Journal of Hard Tissue Biology</i> , 2020 , 29, 85-90	0.4	