

Hiroyuki Nawa

List of Publications by Year in Descending Order

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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	EGF Downregulates Presynaptic Maturation and Suppresses Synapse Formation In Vitro and In Vivo.. <i>Neurochemical Research</i> , 2022 , 1	4.6	
154	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
153	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
152	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
151	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
150	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
149	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
148	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
147	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
146	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
145	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	
144	Sound frequency dependence of duration mismatch negativity recorded from awake rats. <i>Neuropsychopharmacology Reports</i> , 2020 , 40, 96-101	2.2	3
143	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
142	Clozapine-dependent inhibition of EGF/neuregulin receptor (ErbB) kinases. <i>Translational Psychiatry</i> , 2019 , 9, 181	8.6	3
141	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	1
140	Human-specific features of spatial gene expression and regulation in eight brain regions. <i>Genome Research</i> , 2018 , 28, 1097-1110	9.7	39
139	USP10 Is a Driver of Ubiquitinated Protein Aggregation and Aggresome Formation to Inhibit Apoptosis. <i>IScience</i> , 2018 , 9, 433-450	6.1	17

138	Pathological alterations of chondroitin sulfate moiety in postmortem hippocampus of patients with schizophrenia. <i>Psychiatry Research</i> , 2018 , 270, 940-946	9.9	6
137	Epidermal growth factor signals attenuate phenotypic and functional development of neocortical GABA neurons. <i>Journal of Neurochemistry</i> , 2017 , 142, 886-900	6	15
136	Glutamate-dependent ectodomain shedding of neuregulin-1 type II precursors in rat forebrain neurons. <i>PLoS ONE</i> , 2017 , 12, e0174780	3.7	15
135	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
134	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
133	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
132	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
131	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
130	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	3.7	57
129	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
128	Increased l1 retrotransposition in the neuronal genome in schizophrenia. <i>Neuron</i> , 2014 , 81, 306-13	13.9	220
127	mTOR signaling and its roles in normal and abnormal brain development. <i>Frontiers in Molecular Neuroscience</i> , 2014 , 7, 28	6.1	180
126	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
125	A possible link between BDNF and mTOR in control of food intake. <i>Frontiers in Psychology</i> , 2014 , 5, 10933.4	3.4	34
124	Neurobehavioral deficits of epidermal growth factor-overexpressing transgenic mice: impact on dopamine metabolism. <i>Neuroscience Letters</i> , 2013 , 547, 21-5	3.3	13
123	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
122	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
121	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

120	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
119	Experimental schizophrenia models in rodents established with inflammatory agents and cytokines. <i>Methods in Molecular Biology</i> , 2012 , 829, 445-51	1.4	13
118	Cell surface expression of the major amyloid- 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
117	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
116	mRNA distribution of the thalidomide binding protein cereblon in adult mouse brain. <i>Neuroscience Research</i> , 2011 , 69, 343-7	2.9	12
115	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
114	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
113	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
112	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
111	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
110	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
109	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
108	Association of the HSPG2 gene with neuroleptic-induced tardive dyskinesia. <i>Neuropsychopharmacology</i> , 2010 , 35, 1155-64	8.7	49
107	Supportive evidence for reduced expression of GNB1L in schizophrenia. <i>Schizophrenia Bulletin</i> , 2010 , 36, 756-65	1.3	17
106	Brain cannabinoid CB2 receptor in schizophrenia. <i>Biological Psychiatry</i> , 2010 , 67, 974-82	7.9	139
105	Activation of mammalian target of rapamycin signaling in spatial learning. <i>Neuroscience Research</i> , 2010 , 68, 88-93	2.9	29
104	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
103	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

102	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
101	Phenotypic characterization of transgenic mice overexpressing neuregulin-1. <i>PLoS ONE</i> , 2010 , 5, e141853.7		93
100	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
99	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
98	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
97	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
96	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
95	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
94	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
93	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
92	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
91	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
90	Dopamine D1 receptor-induced signaling through TrkB receptors in striatal neurons. <i>Journal of Biological Chemistry</i> , 2008 , 283, 15799-806	5.4	59
89	Taurodontism and Van der Woude syndrome. Is there an association?. <i>Angle Orthodontist</i> , 2008 , 78, 832-7.6		25
88	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
87	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
86	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
85	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

84	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
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	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
81	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
80	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
79	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
78	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
77	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
76	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
75	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
74	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
73	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
72	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
71	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	6	60
70	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
69	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
68	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
67	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

66	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
65	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
64	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
63	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
62	Neonatal impact of leukemia inhibitory factor on neurobehavioral development in rats. <i>Neuroscience Research</i> , 2004 , 48, 345-53	2.9	40
61	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
60	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
59	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
58	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
57	A palmitoylated RING finger ubiquitin ligase and its homologue in the brain membranes. <i>Journal of Neurochemistry</i> , 2003 , 86, 749-62	6	20
56	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
55	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
54	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
53	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
52	Developmental changes of eukaryotic initiation factor 2B subunits in rat hippocampus. <i>Neuroscience Letters</i> , 2003 , 346, 117-9	3.3	4
51	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
50	Cellular and subcellular distributions of translation initiation, elongation and release factors in rat hippocampus. <i>Molecular Brain Research</i> , 2003 , 111, 165-74		14
49	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

48	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
47	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
46	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
45	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
44	Decreased levels of brain-derived neurotrophic factor in serum of chronic schizophrenic patients. <i>Psychiatry Research</i> , 2002 , 110, 249-57	9.9	234
43	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
42	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
41	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
40	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
39	Characterization of a novel synGAP isoform, synGAP-beta. <i>Journal of Biological Chemistry</i> , 2001 , 276, 21417-24	5.4	46
38	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
37	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, 40025-33	5.4	63
36	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
35	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
34	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
33	Biochemical evidence for localization of AMPA-type glutamate receptor subunits in the dendritic raft. <i>Molecular Brain Research</i> , 2001 , 89, 20-8		90
32	Involvement of nitric oxide in pentylene-tetrazole-induced kindling in rats. <i>Journal of Neurochemistry</i> , 2000 , 74, 792-8	6	39
31	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

30	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
29	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
28	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
27	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
26	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
25	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
24	Phenotypic down-regulation of glutamate receptor subunit GluR1 in Alzheimer's disease. <i>Neurobiology of Aging</i> , 1999 , 20, 287-95	5.6	67
23	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
22	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
21	Differential regulation of hippocampal neurotrophins during aging in rats. <i>Journal of Neurochemistry</i> , 1996 , 67, 1124-31	6	54
20	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
19	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
18	Regulation of neuropeptide expression in the brain by neurotrophins. Potential role in vivo. <i>Molecular Neurobiology</i> , 1995 , 10, 135-49	6.2	71
17	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
16	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
15	Brain-derived neurotrophic factor promotes differentiation of striatal GABAergic neurons. <i>Developmental Biology</i> , 1994 , 165, 243-56	3.1	237
14	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
13	Glutamate receptor agonists enhance the expression of BDNF mRNA in cultured cerebellar granule cells. <i>Molecular Brain Research</i> , 1993 , 18, 201-8		61

12	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
11	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
10	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
9	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
8	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
7	Separation and partial characterization of neuropeptide-inducing factors in heart cell conditioned medium. <i>Neuron</i> , 1990 , 4, 269-77	13.9	102
6	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
5	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
4	Tissue-specific generation of two preprotachykinin mRNAs from one gene by alternative RNA splicing. <i>Nature</i> , 1984 , 312, 729-34	50.4	548
3	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
2	A single gene for bovine high molecular weight and low molecular weight kininogens. <i>Nature</i> , 1983 , 305, 545-9	50.4	170
1	Nucleotide sequences of cloned cDNAs for two types of bovine brain substance P precursor. <i>Nature</i> , 1983 , 306, 32-6	50.4	730