

Nobuyuki Takei

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5326087/publications.pdf>

Version: 2024-02-01

58
papers

3,435
citations

159525

30
h-index

155592

55
g-index

60
all docs

60
docs citations

60
times ranked

4588
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.7	407
2	mTOR signaling and its roles in normal and abnormal brain development. <i>Frontiers in Molecular Neuroscience</i> , 2014, 7, 28.	1.4	239
3	Lithium induces brain-derived neurotrophic factor and activates TrkB in rodent cortical neurons: An essential step for neuroprotection against glutamate excitotoxicity. <i>Neuropharmacology</i> , 2002, 43, 1173-1179.	2.0	230
4	Brain-derived Neurotrophic Factor Enhances Neuronal Translation by Activating Multiple Initiation Processes. <i>Journal of Biological Chemistry</i> , 2001, 276, 42818-42825.	1.6	185
5	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.	0.3	173
6	Somatic Mutations in the <i>MTOR</i> gene cause focal cortical dysplasia type IIb. <i>Annals of Neurology</i> , 2015, 78, 375-386.	2.8	169
7	Brain-Derived Neurotrophic Factor Increases the Stimulation-Evoked Release of Glutamate and the Levels of Exocytosis-Associated Proteins in Cultured Cortical Neurons from Embryonic Rats. <i>Journal of Neurochemistry</i> , 1997, 68, 370-375.	2.1	141
8	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.	1.3	120
9	BDNF is Upregulated by Postnatal Development and Visual Experience: Quantitative and Immunohistochemical Analyses of BDNF in the Rat Retina. , 2003, 44, 3211.		99
10	Ca ²⁺ ionophore-induced apoptosis on cultured embryonic rat cortical neurons. <i>Brain Research</i> , 1994, 652, 65-70.	1.1	94
11	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.	1.6	92
12	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, 1163-1170.	1.6	89
13	Neurotrophic and neuroprotective effects of pituitary adenylate cyclase-activating polypeptide (pACAP) on mesencephalic dopaminergic neurons. <i>Journal of Neuroscience Research</i> , 1998, 54, 698-706.	1.3	87
14	Distribution of pituitary adenylate cyclase activating polypeptide mRNA in the developing rat brain. <i>Molecular Brain Research</i> , 1999, 65, 1-13.	2.5	85
15	Brain-derived Neurotrophic Factor Induces Rapid and Transient Release of Glutamate through the Non-exocytotic Pathway from Cortical Neurons. <i>Journal of Biological Chemistry</i> , 1998, 273, 27620-27624.	1.6	79
16	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.	2.1	67
17	Involvement of phosphatidylinositol-3 kinase in prevention of low K ⁺ -induced apoptosis of cerebellar granule neurons. <i>Developmental Brain Research</i> , 1997, 101, 197-206.	2.1	61
18	Expression of c-Met in developing rat hippocampus: evidence for HGF as a neurotrophic factor for calbindin D-expressing neurons. <i>European Journal of Neuroscience</i> , 2000, 12, 3453-3461.	1.2	58

#	ARTICLE	IF	CITATIONS
19	Pituitary adenylate cyclase-activating polypeptide (PACAP) protects dorsal root ganglion neurons from death and induces calcitonin gene-related peptide (CGRP) immunoreactivity in vitro. , 1998, 51, 243-256.		57
20	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, 216-230.	0.9	57
21	BDNF as an anterophin; a novel neurotrophic relationship between brain neurons. <i>Trends in Neurosciences</i> , 2001, 24, 683-684.	4.2	53
22	Pituitary adenylate cyclase-activating polypeptide promotes the survival of basal forebrain cholinergic neurons in vitro and in vivo: comparison with effects of nerve growth factor. <i>European Journal of Neuroscience</i> , 2000, 12, 2273-2280.	1.2	52
23	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, 26340-26348.	1.6	47
24	Nerve Growth Factor Increases the Intracellular Content of Acetylcholine in Cultured Septal Neurons from Developing Rats. <i>Journal of Neurochemistry</i> , 1988, 51, 1118-1125.	2.1	46
25	A possible link between BDNF and mTOR in control of food intake. <i>Frontiers in Psychology</i> , 2014, 5, 1093.	1.1	46
26	Developmental Regulation of Pituitary Adenylate Cyclase Activating Polypeptide (PACAP) and Its Receptor 1 in Rat Brain: Function of PACAP as a Neurotrophic Factor. <i>Annals of the New York Academy of Sciences</i> , 1998, 865, 189-196.	1.8	44
27	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.	2.1	43
28	Distinct Influences of Neonatal Epidermal Growth Factor Challenge on Adult Neurobehavioral Traits in Four Mouse Strains. <i>Behavior Genetics</i> , 2005, 35, 615-629.	1.4	41
29	Activation of mammalian target of rapamycin signaling in spatial learning. <i>Neuroscience Research</i> , 2010, 68, 88-93.	1.0	35
30	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.	1.0	33
31	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.	2.1	33
32	BDNF increases the expression of neuropeptide Y mRNA and promotes differentiation/maturation of neuropeptide Y-positive cultured cortical neurons from embryonic and postnatal rats. <i>Molecular Brain Research</i> , 1996, 37, 283-289.	2.5	31
33	Qualitative and quantitative re-evaluation 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.	2.1	31
34	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.	1.0	28
35	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.	0.9	28
36	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.	1.2	27

#	ARTICLE	IF	CITATIONS
37	BDNF and NT-3 but not CNTF counteract the Ca ²⁺ ionophore-induced apoptosis of cultured cortical neurons: involvement of dual pathways. <i>Neuropharmacology</i> , 1999, 38, 283-288.	2.0	26
38	Establishment of a novel enzyme-linked immunosorbant assay for Thy-1; quantitative assessment of neuronal degeneration. <i>Neuroscience Letters</i> , 2002, 329, 185-188.	1.0	26
39	Periventricular nodular heterotopia functionally couples with the overlying hippocampus. <i>Epilepsia</i> , 2012, 53, e127-31.	2.6	21
40	Glutamate-dependent ectodomain shedding of neuregulin-1 type II precursors in rat forebrain neurons. <i>PLoS ONE</i> , 2017, 12, e0174780.	1.1	20
41	A Role of Peroxides in Ca ²⁺ Ionophore-Induced Apoptosis in Cultured Rat Cortical Neurons. <i>Biochemical and Biophysical Research Communications</i> , 1996, 227, 513-518.	1.0	18
42	Basic fibroblast growth factor inhibited Ca ²⁺ ionophore-induced apoptotic cell death of cultured cortical neurons from embryonic rats. <i>Neuroscience Letters</i> , 1995, 192, 124-126.	1.0	15
43	Cellular and subcellular distributions of translation initiation, elongation and release factors in rat hippocampus. <i>Molecular Brain Research</i> , 2003, 111, 165-174.	2.5	14
44	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.	1.0	12
45	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.	1.0	12
46	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.	2.7	11
47	AMPK activation, eEF2 inactivation, and reduced protein synthesis in the cerebral cortex of hibernating chipmunks. <i>Scientific Reports</i> , 2019, 9, 11904.	1.6	11
48	Postsynaptic structure formation of human iPS cell-derived neurons takes longer than presynaptic formation during neural differentiation in vitro. <i>Molecular Brain</i> , 2021, 14, 149.	1.3	10
49	PACAP has a neurotrophic effect on cultured basal forebrain cholinergic neurons from adult rats. <i>Developmental Brain Research</i> , 2001, 131, 41-45.	2.1	9
50	BDNF Reduces eEF2 Phosphorylation and Enhances Novel Protein Synthesis in the Growth Cones of Dorsal Root Ganglia Neurons. <i>Neurochemical Research</i> , 2018, 43, 1242-1249.	1.6	7
51	mTORC1 is involved in DKK1 ² -induced neurite outgrowth and spinogenesis. <i>Neurochemistry International</i> , 2020, 134, 104645.	1.9	5
52	Developmental changes of eukaryotic initiation factor 2B subunits in rat hippocampus. <i>Neuroscience Letters</i> , 2003, 346, 117-119.	1.0	4
53	Familial idiopathic basal ganglia calcification with a heterozygous missense variant (c.<sc>902C</sc>>t/p.<sc>P307L</sc>) in <sc><i>SLC20A2</i></sc> showing widespread cerebrovascular lesions. <i>Neuropathology</i> , 2022, 42, 126-133.	0.7	2
54	Novel Repositioning Therapy for Drug-Resistant Glioblastoma: In Vivo Validation Study of Clindamycin Treatment Targeting the mTOR Pathway and Combination Therapy with Temozolomide. <i>Cancers</i> , 2022, 14, 770.	1.7	2

#	ARTICLE	IF	CITATIONS
55	Pituitary adenylate cyclase-activating polypeptide (PACAP) protects dorsal root ganglion neurons from death and induces calcitonin gene-related peptide (CGRP) immunoreactivity in vitro. <i>Journal of Neuroscience Research</i> , 1998, 51, 243-256.	1.3	1
56	EGF Downregulates Presynaptic Maturation and Suppresses Synapse Formation In Vitro and In Vivo. <i>Neurochemical Research</i> , 2022, , 1.	1.6	1
57	è,,3ã«ãšãã,ç¥žçµCEæ,,éŠá»ãã@ãfã• Kagaku To Seibutsu, 2008, 46, 24-31.	0.0	0
58	RalA, PLD and mTORC1 Are Required for Kinase-Independent Pathways in DGK ¹ -Induced Neurite Outgrowth. <i>Biomolecules</i> , 2021, 11, 1814.	1.8	0