Nobuyuki Nukina

List of Publications by Year
in descending order

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165 papers	17,290 citations	20759 60 h-index	14156 128 g-index
165 all docs	165 docs citations	165 times ranked	23400 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
2	Visualization of AÎ²42(43) and AÎ²40 in senile plaques with end-specific AÎ² monoclonals: Evidence that an initially deposited species is AÎ²42(43). Neuron, 1994, 13, 45-53.	3.8	1,673
3	Trehalose alleviates polyglutamine-mediated pathology in a mouse model of Huntington disease. Nature Medicine, 2004, 10, 148-154.	15.2	701
4	Serine 403 Phosphorylation of p62/SQSTM1 Regulates Selective Autophagic Clearance of Ubiquitinated Proteins. Molecular Cell, 2011, 44, 279-289.	4.5	565
5	Association of Î³-Secretase with Lipid Rafts in Post-Golgi and Endosome Membranes. Journal of Biological Chemistry, 2004, 279, 44945-44954.	1.6	372
6	Chromogranin-mediated secretion of mutant superoxide dismutase proteins linked to amyotrophic lateral sclerosis. Nature Neuroscience, 2006, 9, 108-118.	7.1	371
7	Eukaryotic Proteasomes Cannot Digest Polyglutamine Sequences and Release Them during Degradation of Polyglutamine-Containing Proteins. Molecular Cell, 2004, 14, 95-104.	4.5	363
8	Semiâ€rational engineering of a coral fluorescent protein into an efficient highlighter. EMBO Reports, 2005, 6, 233-238.	2.0	320
9	One of the Antigenic Determinants of Paired Helical Filaments Is Related to Tau Protein1. Journal of Biochemistry, 1986, 99, 1541-1544.	0.9	315
10	Increased susceptibility of cytoplasmic over nuclear polyglutamine aggregates to autophagic degradation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13135-13140.	3.3	301
11	Co-chaperone CHIP Associates with Expanded Polyglutamine Protein and Promotes Their Degradation by Proteasomes. Journal of Biological Chemistry, 2005, 280, 11635-11640.	1.6	283
12	Î² Subunits of Voltage-gated Sodium Channels Are Novel Substrates of Î²-Site Amyloid Precursor Protein-cleaving Enzyme (BACE1) and Î³-Secretase. Journal of Biological Chemistry, 2005, 280, 23009-23017.	1.6	260
13	TBK1 controls autophagosomal engulfment of polyubiquitinated mitochondria through p62/SQSTM1 phosphorylation. Human Molecular Genetics, 2015, 24, 4429-4442.	1.4	249
14	A Seeding Reaction Recapitulates Intracellular Formation of Sarkosyl-insoluble Transactivation Response Element (TAR) DNA-binding Protein-43 Inclusions. Journal of Biological Chemistry, 2011, 286, 18664-18672.	1.6	221
15	A Functional Null Mutation ofSCN1Bin a Patient with Dravet Syndrome. Journal of Neuroscience, 2009, 29, 10764-10778.	1.7	216
16	Harnessing chaperone-mediated autophagy for the selective degradation of mutant huntingtin protein. Nature Biotechnology, 2010, 28, 256-263.	9.4	215
17	Inhibition of Proteasomal Function by Curcumin Induces Apoptosis through Mitochondrial Pathway. Journal of Biological Chemistry, 2004, 279, 11680-11685.	1.6	209
18	Distinct conformations of in vitro and in vivo amyloids of huntingtin-exon1 show different cytotoxicity. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9679-9684.	3.3	201

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19	Deranged Calcium Signaling and Neurodegeneration in Spinocerebellar Ataxia Type 3. Journal of Neuroscience, 2008, 28, 12713-12724.	1.7	198
20	Complete Loss of Post-translational Modifications Triggers Fibrillar Aggregation of SOD1 in the Familial Form of Amyotrophic Lateral Sclerosis. Journal of Biological Chemistry, 2008, 283, 24167-24176.	1.6	179
21	Increased expression of p62 in expanded polyglutamine-expressing cells and its association with polyglutamine inclusions. Journal of Neurochemistry, 2004, 91, 57-68.	2.1	167
22	Crystal Structure of an Active Form of BACE1, an Enzyme Responsible for Amyloid Î² Protein Production. Molecular and Cellular Biology, 2008, 28, 3663-3671.	1.1	167
23	The pathogenic mechanisms of polyglutamine diseases and current therapeutic strategies. Journal of Neurochemistry, 2009, 110, 1737-1765.	2.1	163
24	Abnormal gene product identified in hereditary dentatorubralâ€“pallidoluysian atrophy (DRPLA) brain. Nature Genetics, 1995, 10, 99-103.	9.4	160
25	Autophagy-mediated clearance of aggresomes is not a universal phenomenon. Human Molecular Genetics, 2008, 17, 2570-2582.	1.4	143
26	Phosphorylation of Mitochondrial Polyubiquitin by PINK1 Promotes Parkin Mitochondrial Tethering. PLoS Genetics, 2014, 10, e1004861.	1.5	140
27	Dosage-dependent over-expression of genes in the trisomic region of Ts1Cje mouse model for Down syndrome. Human Molecular Genetics, 2004, 13, 1333-1340.	1.4	139
28	Alpha-synuclein degradation by serine protease neurosin: implication for pathogenesis of synucleinopathies. Human Molecular Genetics, 2003, 12, 2625-2635.	1.4	133
29	Mechanism of ER Stress-Induced Brain Damage by IP3 Receptor. Neuron, 2010, 68, 865-878.	3.8	133
30	Î±-Synuclein Affects the MAPK Pathway and Accelerates Cell Death. Journal of Biological Chemistry, 2001, 276, 45320-45329.	1.6	131
31	Intracellular localization and splicing regulation of FUS/TLS are variably affected by amyotrophic lateral sclerosis-linked mutations. Nucleic Acids Research, 2011, 39, 2781-2798.	6.5	127
32	Intranuclear Aggregation of Mutant FUS/TLS as a Molecular Pathomechanism of Amyotrophic Lateral Sclerosis. Journal of Biological Chemistry, 2014, 289, 1192-1202.	1.6	122
33	Functional reciprocity between Na ⁺ channel Na _v 1.6 and Î²1 subunits in the coordinated regulation of excitability and neurite outgrowth. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2283-2288.	3.3	121
34	rAAV-mediated shRNA ameliorated neuropathology in Huntington disease model mouse. Biochemical and Biophysical Research Communications, 2006, 343, 190-197.	1.0	117
35	Blocking acid-sensing ion channel 1 alleviates Huntington's disease pathology via an ubiquitin-proteasome system-dependent mechanism. Human Molecular Genetics, 2008, 17, 3223-3235.	1.4	117
36	The RNA-binding protein FUS/TLS is a common aggregate-interacting protein in polyglutamine diseases. Neuroscience Research, 2010, 66, 131-133.	1.0	110

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37	RNA-Assisted Nuclear Transport of the Meiotic Regulator Mei2p in Fission Yeast. Cell, 1998, 95, 115-123.	13.5	109
38	Mutant Huntingtin reduces HSP70 expression through the sequestration of NF-Y transcription factor. EMBO Journal, 2008, 27, 827-839.	3.5	109
39	RNA-binding Protein TLS Is a Major Nuclear Aggregate-interacting Protein in Huntingtin Exon 1 with Expanded Polyglutamine-expressing Cells. Journal of Biological Chemistry, 2008, 283, 6489-6500.	1.6	109
40	Oxidative stress promotes mutant huntingtin aggregation and mutant huntingtin-dependent cell death by mimicking proteasomal malfunction. Biochemical and Biophysical Research Communications, 2006, 342, 184-190.	1.0	107
41	alpha-Synuclein forms a complex with transcription factor Elk-1. Journal of Neurochemistry, 2001, 77, 239-252.	2.1	99
42	Intra- and Intermolecular Î²-Pleated Sheet Formation in Glutamine-repeat Inserted Myoglobin as a Model for Polyglutamine Diseases. Journal of Biological Chemistry, 2001, 276, 45470-45475.	1.6	97
43	The monoclonal antibody, Alz 50, recognizes tau proteins in Alzheimer's disease brain. Neuroscience Letters, 1988, 87, 240-246.	1.0	95
44	Identification of ubiquitin-interacting proteins in purified polyglutamine aggregates. FEBS Letters, 2004, 571, 171-176.	1.3	93
45	Caspase activation during apoptotic cell death induced by expanded polyglutamine in N2a cells. NeuroReport, 1999, 10, 2435-2438.	0.6	90
46	Multiple system degeneration with basophilic inclusions in Japanese ALS patients with FUS mutation. Acta Neuropathologica, 2010, 119, 355-364.	3.9	90
47	Sodium channel beta4 subunit: down-regulation and possible involvement in neuritic degeneration in Huntington's disease transgenic mice. Journal of Neurochemistry, 2006, 98, 518-529.	2.1	87
48	Inhibition of Rho Kinases Enhances the Degradation of Mutant Huntingtin. Journal of Biological Chemistry, 2009, 284, 13153-13164.	1.6	87
49	Cross-Seeding Fibrillation of Q/N-Rich Proteins Offers New Pathomechanism of Polyglutamine Diseases. Journal of Neuroscience, 2009, 29, 5153-5162.	1.7	87
50	Mutation-dependent Polymorphism of Cu,Zn-Superoxide Dismutase Aggregates in the Familial Form of Amyotrophic Lateral Sclerosis. Journal of Biological Chemistry, 2010, 285, 22221-22231.	1.6	87
51	Genetically Determined Differences in Sodium Current Characteristics Modulate Conduction Disease Severity in Mice With Cardiac Sodium Channelopathy. Circulation Research, 2009, 104, 1283-1292.	2.0	86
52	Purification of Polyglutamine Aggregates and Identification of Elongation Factor-1Î± and Heat Shock Protein 84 as Aggregate-Interacting Proteins. Journal of Neuroscience, 2002, 22, 9267-9277.	1.7	82
53	Intranuclear Degradation of Polyglutamine Aggregates by the Ubiquitin-Proteasome System. Journal of Biological Chemistry, 2009, 284, 9796-9803.	1.6	81
54	E6-AP Promotes Misfolded Polyglutamine Proteins for Proteasomal Degradation and Suppresses Polyglutamine Protein Aggregation and Toxicity. Journal of Biological Chemistry, 2008, 283, 7648-7656.	1.6	80

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55	MBNL and CELF proteins regulate alternative splicing of the skeletal muscle chloride channel CLCN1. Nucleic Acids Research, 2009, 37, 6477-6490.	6.5	80
56	Exome Sequencing Reveals a Homozygous SYT14 Mutation in Adult-Onset, Autosomal-Recessive Spinocerebellar Ataxia with Psychomotor Retardation. American Journal of Human Genetics, 2011, 89, 320-327.	2.6	79
57	A novel therapeutic strategy for polyglutamine diseases by stabilizing aggregation-prone proteins with small molecules. Journal of Molecular Medicine, 2005, 83, 343-352.	1.7	76
58	Local Unfolding of Cu, Zn Superoxide Dismutase Monomer Determines the Morphology of Fibrillar Aggregates. Journal of Molecular Biology, 2012, 421, 548-560.	2.0	74
59	Decreased expression of hypothalamic neuropeptides in Huntington disease transgenic mice with expanded polyglutamineâ€EGFP fluorescent aggregates. Journal of Neurochemistry, 2005, 93, 641-653.	2.1	73
60	Mutant SOD1 impairs axonal transport of choline acetyltransferase and acetylcholine release by sequestering KAP3. Human Molecular Genetics, 2009, 18, 942-955.	1.4	70
61	Membrane microdomain switching: a regulatory mechanism of amyloid precursor protein processing. Journal of Cell Biology, 2008, 183, 339-352.	2.3	61
62	Modulation of voltage-gated K ⁺ channels by the sodium channel Î²1 subunit. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18577-18582.	3.3	61
63	Singular localization of sodium channel Î²4 subunit in unmyelinated fibres and its role in the striatum. Nature Communications, 2014, 5, 5525.	5.8	61
64	The Parkinsonâ€™s Disease-Associated Protein Kinase LRRK2 Modulates Notch Signaling through the Endosomal Pathway. PLoS Genetics, 2015, 11, e1005503.	1.5	59
65	RNAi Screening in Drosophila Cells Identifies New Modifiers of Mutant Huntingtin Aggregation. PLoS ONE, 2009, 4, e7275.	1.1	57
66	Huntington's disease gene product, huntingtin, associates with microtubules in vitro. Molecular Brain Research, 1997, 51, 8-14.	2.5	56
67	Paelâ€R transgenic mice crossed with parkin deficient mice displayed progressive and selective catecholaminergic neuronal loss. Journal of Neurochemistry, 2008, 107, 171-185.	2.1	56
68	The E1 Mechanism in Photo-Induced Î²-Elimination Reactions for Green-to-Red Conversion of Fluorescent Proteins. Chemistry and Biology, 2009, 16, 1140-1147.	6.2	56
69	Depletion of p62 reduces nuclear inclusions and paradoxically ameliorates disease phenotypes in Huntington's model mice. Human Molecular Genetics, 2015, 24, 1092-1105.	1.4	56
70	Rapid dissemination of alpha-synuclein seeds through neural circuits in an in-vivo prion-like seeding experiment. Acta Neuropathologica Communications, 2018, 6, 96.	2.4	56
71	Recent advances in understanding the pathogenesis of polyglutamine diseases: involvement of molecular chaperones and ubiquitin-proteasome pathway. Journal of Chemical Neuroanatomy, 2003, 26, 95-101.	1.0	55
72	Nuclear localization of MBNL1: splicing-mediated autoregulation and repression of repeat-derived aberrant proteins. Human Molecular Genetics, 2015, 24, 740-756.	1.4	54

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73	Expanded polyglutamines impair synaptic transmission and ubiquitin-proteasome system in Caenorhabditis elegans. Journal of Neurochemistry, 2006, 98, 576-587.	2.1	53
74	Tau Protein Assembles into Isoform- and Disulfide-dependent Polymorphic Fibrils with Distinct Structural Properties. Journal of Biological Chemistry, 2011, 286, 27236-27246.	1.6	51
75	Phosphorylation of ataxin-3 by glycogen synthase kinase 3Î² at serine 256 regulates the aggregation of ataxin-3. Biochemical and Biophysical Research Communications, 2007, 357, 487-492.	1.0	48
76	Expansion of Polyglutamine Induces the Formation of Quasi-aggregate in the Early Stage of Protein Fibrillization. Journal of Biological Chemistry, 2003, 278, 34717-34724.	1.6	47
77	Modulation of monoamine transporter expression and function by repetitive transcranial magnetic stimulation. Biochemical and Biophysical Research Communications, 2005, 327, 218-224.	1.0	45
78	Assembly of Lysine 63-linked Ubiquitin Conjugates by Phosphorylated Î±-Synuclein Implies Lewy Body Biogenesis. Journal of Biological Chemistry, 2007, 282, 14558-14566.	1.6	45
79	Studies on neurotransmitter markers and neuronal cell density in the cerebellar system in olivopontocerebellar atrophy and cortical cerebellar atrophy. Journal of the Neurological Sciences, 1985, 71, 193-208.	0.3	44
80	Dexamethasone induces heat shock response and slows down disease progression in mouse and fly models of Huntington's disease. Human Molecular Genetics, 2014, 23, 2737-2751.	1.4	44
81	Nurr1 is phosphorylated by ERK2 in vitro and its phosphorylation upregulates tyrosine hydroxylase expression in SH-SY5Y cells. Neuroscience Letters, 2007, 423, 118-122.	1.0	43
82	Mutant huntingtin fragment selectively suppresses Brn-2 POU domain transcription factor to mediate hypothalamic cell dysfunction. Human Molecular Genetics, 2010, 19, 2099-2112.	1.4	43
83	Synaptic Scaffolding Molecule Î± Is a Scaffold To Mediate N -Methyl- d -Aspartate Receptor-Dependent RhoA Activation in Dendrites. Molecular and Cellular Biology, 2007, 27, 4388-4405.	1.1	42
84	Staining of Alzheimer's neurofibrillary tangles with antiserum against 200K component of neurofilament.. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 1981, 57, 152-156.	1.6	41
85	Down-regulation of heat shock protein 27 in neuronal cells and non-neuronal cells expressing mutant ataxin-3. FEBS Letters, 2003, 546, 307-314.	1.3	41
86	Suppression of Mutant Huntingtin Aggregate Formation by Cdk5/p35 through the Effect on Microtubule Stability. Journal of Neuroscience, 2008, 28, 8747-8755.	1.7	41
87	A unique origin and multistep process for the generation of expanded DRPLA triplet repeats. Human Molecular Genetics, 1996, 5, 373-379.	1.4	40
88	Aberrant calcium signaling by transglutaminase-mediated posttranslational modification of inositol 1,4,5-trisphosphate receptors. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3966-75.	3.3	40
89	Studies on neurotransmitter markers of the basal ganglia in Pick's disease, with special reference to dopamine reduction. Journal of the Neurological Sciences, 1988, 83, 63-74.	0.3	39
90	NF-Y inactivation causes atypical neurodegeneration characterized by ubiquitin and p62 accumulation and endoplasmic reticulum disorganization. Nature Communications, 2014, 5, 3354.	5.8	38

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91	Machadoâ€“Joseph Disease Gene Product Identified in Lymphocytes and Brain. Biochemical and Biophysical Research Communications, 1997, 233, 476-479.	1.0	37
92	BACE1 modulates filopodia-like protrusions induced by sodium channel Î²4 subunit. Biochemical and Biophysical Research Communications, 2007, 361, 43-48.	1.0	36
93	Aggregation of scaffolding protein DISC1 dysregulates phosphodiesterase 4 in Huntingtonâ€™s disease. Journal of Clinical Investigation, 2017, 127, 1438-1450.	3.9	36
94	Gem GTPase and Tau. Journal of Biological Chemistry, 2004, 279, 27272-27277.	1.6	33
95	Intracellular seeded aggregation of mutant Cu,Znâ€superoxide dismutase associated with amyotrophic lateral sclerosis. FEBS Letters, 2013, 587, 2500-2505.	1.3	31
96	Proteolytic Fragments of Alzheimer's Paired Helical Filaments1. Journal of Biochemistry, 1985, 98, 1715-1718.	0.9	30
97	BAG-1 associates with the polyglutamine-expanded huntingtin aggregates. Neuroscience Letters, 2005, 378, 171-175.	1.0	30
98	Curcumin enhances the polyglutamine-expanded truncated N-terminal huntingtin-induced cell death by promoting proteasomal malfunction. Biochemical and Biophysical Research Communications, 2006, 342, 1323-1328.	1.0	30
99	Age-dependent enhancement of hippocampal long-term potentiation in knock-in mice expressing human apolipoprotein E4 instead of mouse apolipoprotein E. Neuroscience Letters, 2004, 369, 173-178.	1.0	28
100	Enhanced degradation of mutant huntingtin by rho kinase inhibition is mediated through activation of proteasome and macroautophagy. Autophagy, 2009, 5, 747-748.	4.3	28
101	Proteomics of Polyglutamine Aggregates. Methods in Enzymology, 2006, 412, 63-76.	0.4	27
102	Knock-down of PQBP1 impairs anxiety-related cognition in mouse. Human Molecular Genetics, 2009, 18, 4239-4254.	1.4	27
103	Post-aggregation Oxidation of Mutant Huntingtin Controls the Interactions between Aggregates. Journal of Biological Chemistry, 2012, 287, 34764-34775.	1.6	27
104	Mahogunin ring finger 1 suppresses misfolded polyglutamine aggregation and cytotoxicity. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 1472-1484.	1.8	27
105	Immunohistochemical study of kuru plaques using antibodies against synthetic prion protein peptides. Acta Neuropathologica, 1992, 83, 613-617.	3.9	26
106	PET analysis of a case of cerebrotendinous xanthomatosis presenting hemiparkinsonism. Journal of the Neurological Sciences, 1996, 138, 145-149.	0.3	25
107	Dynamic expression of Hsp27 in the presence of mutant ataxin-3. Biochemical and Biophysical Research Communications, 2005, 336, 258-267.	1.0	23
108	Decreased protein synthesis of Hsp27 associated with cellular toxicity in a cell model of Machadoâ€“Joseph disease. Neuroscience Letters, 2009, 454, 152-156.	1.0	23

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109	Immunocytochemical study on senile plaques in Alzheimer's disease. I. Preparation of an antimicrotubule-associated proteins (MAPs) antiserum and its specificity.. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 1983, 59, 284-287.	1.6	22
110	Immunocytochemical study on senile plaques in Alzheimer's disease. II. Abnormal dendrites in senile plaques as revealed by antimicrotubule-associated proteins (MAPs) immunostaining.. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 1983, 59, 288-292.	1.6	22
111	Induction of chemokines, MCPâ€1, and KC in the mutant huntingtin expressing neuronal cells because of proteasomal dysfunction. Journal of Neurochemistry, 2009, 108, 787-795.	2.1	21
112	Genetic ablation and chemical inhibition of IP3R1 reduce mutant huntingtin aggregation. Biochemical and Biophysical Research Communications, 2011, 416, 13-17.	1.0	21
113	Cerebellar ataxia and polyneuropathy in a patient with IgM M-protein specific to the Gal(Î²1-3) GalNAc epitope. Journal of the Neurological Sciences, 1994, 126, 219-224.	0.3	20
114	Pro-apoptotic protein kinase CÎ´ is associated with intranuclear inclusions in a transgenic model of Huntington's disease. Journal of Neurochemistry, 2003, 87, 395-406.	2.1	20
115	Cortical Dysgenesis in a Patient with Turner Mosaicism. Developmental Medicine and Child Neurology, 1996, 38, 455-460.	1.1	20
116	Inhibition of ubiquitin ligase Siah-1A by disabled-1. Biochemical and Biophysical Research Communications, 2003, 302, 671-678.	1.0	19
117	Misfolding promotes the ubiquitination of polyglutamine-expanded ataxin-3, the defective gene product in SCA3/MJD. Neurotoxicity Research, 2004, 6, 523-533.	1.3	19
118	Sodium channel Î²1 subunit localizes to axon initial segments of excitatory and inhibitory neurons and shows regional heterogeneity in mouse brain. Journal of Comparative Neurology, 2015, 523, 814-830.	0.9	19
119	Genetic impairment of autophagy intensifies expanded polyglutamine toxicity in Caenorhabditis elegans. Biochemical and Biophysical Research Communications, 2008, 368, 729-735.	1.0	18
120	Serine 403-phosphorylated p62/SQSTM1 immunoreactivity in inclusions of neurodegenerative diseases. Neuroscience Research, 2016, 103, 64-70.	1.0	18
121	p45, an ATPase subunit of the 19S proteasome, targets the polyglutamine disease protein ataxin-3 to the proteasome. Journal of Neurochemistry, 2007, 101, 1651-1661.	2.1	17
122	FUS/TLS acts as an aggregation-dependent modifier of polyglutamine disease model mice. Scientific Reports, 2016, 6, 35236.	1.6	17
123	Proteomics-Based Approach Identifies Altered ER Domain Properties by ALS-Linked VAPB Mutation. Scientific Reports, 2020, 10, 7610.	1.6	17
124	Expression of Expanded Polyglutamine Proteins Suppresses the Activation of Transcription Factor NFÎºB. Journal of Biological Chemistry, 2006, 281, 37017-37024.	1.6	16
125	Parallel homodimer structures of the extracellular domains of the voltage-gated sodium channel Î²4 subunit explain its role in cellâ€“cell adhesion. Journal of Biological Chemistry, 2017, 292, 13428-13440.	1.6	16
126	Sequence- and seed-structure-dependent polymorphic fibrils of alpha-synuclein. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 1410-1420.	1.8	16

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127	Loss of aPKCÎ» in Differentiated Neurons Disrupts the Polarity Complex but Does Not Induce Obvious Neuronal Loss or Disorientation in Mouse Brains. PLoS ONE, 2013, 8, e84036.	1.1	15
128	ER Dynamics and Derangement in Neurological Diseases. Frontiers in Neuroscience, 2018, 12, 91.	1.4	15
129	Expression of dentatorubral-pallidoluysian atrophy (DRPLA) proteins in patients. Neuroscience Letters, 1997, 225, 53-56.	1.0	14
130	Aggregate formation and the impairment of longâ€term synaptic facilitation by ectopic expression of mutant huntingtin in Aplysia neurons. Journal of Neurochemistry, 2003, 85, 160-169.	2.1	14
131	Cyclin-dependent kinase 5 phosphorylates and induces the degradation of ataxin-2. Neuroscience Letters, 2014, 563, 112-117.	1.0	14
132	Biochemical and morphological classification of disease-associated alpha-synuclein mutants aggregates. Biochemical and Biophysical Research Communications, 2019, 508, 729-734.	1.0	14
133	Foramen magnum syndrome caused by atlanto-occipital assimilation. Journal of the Neurological Sciences, 1998, 154, 229-231.	0.3	13
134	Impaired degradation of PKCÎ± by proteasome in a cellular model of Huntingtonâ€™s disease. NeuroReport, 2003, 14, 1435-1438.	0.6	12
135	TMEM30A is a candidate interacting partner for the Î²-carboxyl-terminal fragment of amyloid-Î² precursor protein in endosomes. PLoS ONE, 2018, 13, e0200988.	1.1	12
136	Selection of Behaviors and Segmental Coordination During Larval Locomotion Is Disrupted by Nuclear Polyglutamine Inclusions in a NewDrosophilaHuntington's Diseaseâ€“Like Model. Journal of Neurogenetics, 2010, 24, 194-206.	0.6	10
137	Large-Scale RNA Interference Screening in Mammalian Cells Identifies Novel Regulators of Mutant Huntingtin Aggregation. PLoS ONE, 2014, 9, e93891.	1.1	10
138	Genomeâ€wide analyses in neuronal cells reveal that upstream transcription factors regulate lysosomal gene expression. FEBS Journal, 2016, 283, 1077-1087.	2.2	10
139	Differential roles of NF-Y transcription factor in ER chaperone expression and neuronal maintenance in the CNS. Scientific Reports, 2016, 6, 34575.	1.6	10
140	Sandwich ELISA for the measurement of Apo-E4 levels in serum and the estimation of the allelic status of Apo-E4 isoforms. Journal of Clinical Laboratory Analysis, 2000, 14, 260-264.	0.9	9
141	Aggregation mechanism of polyglutamine diseases revealed using quantum chemical calculations, fragment molecular orbital calculations, molecular dynamics simulations, and binding free energy calculations. Computational and Theoretical Chemistry, 2006, 778, 85-95.	1.5	9
142	Cysteine residues in Cu,Zn-superoxide dismutase are essential to toxicity in Caenorhabditis elegans model of amyotrophic lateral sclerosis. Biochemical and Biophysical Research Communications, 2015, 463, 1196-1202.	1.0	9
143	FACS-arrayâ€“based cell purification yields a specific transcriptome of striatal medium spiny neurons in a murine Huntington disease model. Journal of Biological Chemistry, 2020, 295, 9768-9785.	1.6	9
144	In situ detection of apolipoprotein E Îµ4 in archival human brain. NeuroReport, 2004, 15, 1113-1115.	0.6	8

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145	Multiple effects of repetitive transcranial magnetic stimulation on neuropsychiatric disorders. Biochemical and Biophysical Research Communications, 2013, 436, 121-127.	1.0	8
146	Proteomic analysis of native cerebellar iFGF14 complexes. Channels, 2016, 10, 297-312.	1.5	8
147	Mutant VAPB: Culprit or Innocent Bystander of Amyotrophic Lateral Sclerosis?. Contact (Thousand) Tj ETQq1 1 0.784314 rgBT /Overlock	0.4	8
148	Molecular and functional analysis ofCaenorhabditis elegansCHIP, a homologue of Mammalian CHIP. FEBS Letters, 2004, 565, 11-18.	1.3	7
149	Effects of human apolipoprotein E isoforms on the amyloid Î²â€protein concentration and lipid composition in brain lowâ€density membrane domains. Journal of Neurochemistry, 2007, 101, 949-958.	2.1	7
150	Non-coding RNA Neat1 and Abhd11os expressions are dysregulated in medium spiny neurons of Huntington disease model mice. Neuroscience Research, 2019, 147, 58-63.	1.0	7
151	Absence of linkage disequilibrium at amyloid precursor protein gene locus in Japanese familia Alzheimer's disease with 717Valâ†'Ile mutation. Neuroscience Letters, 1993, 162, 63-66.	1.0	6
152	Artificial regulation of p53 function by modulating its assembly. Biochemical and Biophysical Research Communications, 2015, 467, 322-327.	1.0	6
153	Preserved proteinase K-resistant core after amplification of alpha-synuclein aggregates: Implication to disease-related structural study. Biochemical and Biophysical Research Communications, 2020, 522, 655-661.	1.0	6
154	The Reinterpretation of the Immunochemical Study of Alzheimer Neurofibrillary Tangles. Annals of Medicine, 1989, 21, 117-119.	1.5	5
155	STUDIES ON CATECHOLAMINE BY HPLC WITH MULTI ECD. Analytical Sciences, 1991, 7, 955-956.	0.8	5
156	Characterization of dentatorubral-pallidoluysian atrophy proteins using two-dimensional electrophoretic analysis. Brain Research, 1996, 732, 154-158.	1.1	5
157	Quantum-dot-labeled synuclein seed assay identifies drugs modulating the experimental prion-like transmission. Communications Biology, 2022, 5, .	2.0	5
158	Gene expression profiling in neuronal cells identifies a different type of transcriptome modulated by NF-Y. Scientific Reports, 2020, 10, 21714.	1.6	4
159	Hornerin deposits in neuronal intranuclear inclusion disease: direct identification of proteins with compositionally biased regions in inclusions. Acta Neuropathologica Communications, 2022, 10, 28.	2.4	4
160	Identification of a novel amino-terminal fragment of amyloid precursor protein in mouse neuroblastoma Neuro2a cell. Neuroscience Letters, 2003, 353, 135-138.	1.0	2
161	The diffuse distribution of Nav1.2 on mid-axonal regions is a marker for unmyelinated fibers in the central nervous system. Neuroscience Research, 2022, 177, 145-150.	1.0	2
162	Proteomic analysis of heat-stable proteins revealed an increased proportion of proteins with compositionally biased regions. Scientific Reports, 2022, 12, 4347.	1.6	2

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163	Development of Multi-electrodes Electrochemical Detection System for High-Performance Liquid Chromatography. The Japanese Journal of Pharmacology, 1990, 52, 65.	1.2	0
164	Proteomic analysis of subcellular compartments containing disseminated alpha-synuclein seeds. Neuroscience Research, 2020, 170, 341-349.	1.0	0
165	Amyloids facilitate DNA transfection in vivo. Neuroscience Research, 2022, , .	1.0	0