

# Hirokazu Hirai

## List of Publications by Year in descending order

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146  
papers

6,498  
citations

94433

37  
h-index

79698

73  
g-index

157  
all docs

157  
docs citations

157  
times ranked

7811  
citing authors

#	ARTICLE	IF	CITATIONS
1	CD38 is critical for social behaviour by regulating oxytocin secretion. <i>Nature</i> , 2007, 446, 41-45.	27.8	614
2	Molecular Determinants of Agonist Discrimination by NMDA Receptor Subunits: Analysis of the Glutamate Binding Site on the NR2B Subunit. <i>Neuron</i> , 1997, 18, 493-503.	8.1	452
3	Cbln1 is essential for synaptic integrity and plasticity in the cerebellum. <i>Nature Neuroscience</i> , 2005, 8, 1534-1541.	14.8	301
4	Calcium imaging reveals glial involvement in transcranial direct current stimulation-induced plasticity in mouse brain. <i>Nature Communications</i> , 2016, 7, 11100.	12.8	289
5	Phosphorylation of Serine-880 in GluR2 by Protein Kinase C Prevents Its C Terminus from Binding with Glutamate Receptor-Interacting Protein. <i>Journal of Neurochemistry</i> , 2002, 73, 1765-1768.	3.9	231
6	The glycine binding site of the N-methyl-D-aspartate receptor subunit NR1: identification of novel determinants of co-agonist potentiation in the extracellular M3-M4 loop region.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 6031-6036.	7.1	206
7	Two genetic variants of CD38 in subjects with autism spectrum disorder and controls. <i>Neuroscience Research</i> , 2010, 67, 181-191.	1.9	176
8	Advanced CUBIC tissue clearing for whole-organ cell profiling. <i>Nature Protocols</i> , 2019, 14, 3506-3537.	12.0	127
9	Intravenous administration of the adeno-associated virus-PHP.B capsid fails to upregulate transduction efficiency in the marmoset brain. <i>Neuroscience Letters</i> , 2018, 665, 182-188.	2.1	125
10	New role of $\hat{2}$ -glutamate receptors in AMPA receptor trafficking and cerebellar function. <i>Nature Neuroscience</i> , 2003, 6, 869-876.	14.8	123
11	Red fluorescent protein-based cAMP indicator applicable to optogenetics and in vivo imaging. <i>Scientific Reports</i> , 2017, 7, 7351.	3.3	117
12	Retrograde semaphorin signaling regulates synapse elimination in the developing mouse brain. <i>Science</i> , 2014, 344, 1020-1023.	12.6	115
13	The PtdIns(3,4)P2 phosphatase INPP4A is a suppressor of excitotoxic neuronal death. <i>Nature</i> , 2010, 465, 497-501.	27.8	108
14	The Regulatory Connection between the Activity of Granule Cell NMDA Receptors and Dendritic Differentiation of Cerebellar Purkinje Cells. <i>Journal of Neuroscience</i> , 2000, 20, 5217-5224.	3.6	107
15	Silencing Mutant Ataxin-3 Rescues Motor Deficits and Neuropathology in Machado-Joseph Disease Transgenic Mice. <i>PLoS ONE</i> , 2013, 8, e52396.	2.5	104
16	Distinct temporal integration of noradrenaline signaling by astrocytic second messengers during vigilance. <i>Nature Communications</i> , 2020, 11, 471.	12.8	102
17	Lentivector-mediated rescue from cerebellar ataxia in a mouse model of spinocerebellar ataxia. <i>EMBO Reports</i> , 2008, 9, 393-399.	4.5	99
18	Arc/Arg3.1 Is a Postsynaptic Mediator of Activity-Dependent Synapse Elimination in the Developing Cerebellum. <i>Neuron</i> , 2013, 78, 1024-1035.	8.1	96

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19	Beclin 1 mitigates motor and neuropathological deficits in genetic mouse models of Machado-Joseph disease. <i>Brain</i> , 2013, 136, 2173-2188.	7.6	86
20	Intravenous administration of brain-targeted stable nucleic acid lipid particles alleviates Machado-Joseph disease neurological phenotype. <i>Biomaterials</i> , 2016, 82, 124-137.	11.4	86
21	Mutant PKC $\beta$ in Spinocerebellar Ataxia Type 14 Disrupts Synapse Elimination and Long-Term Depression in Purkinje Cells <i>In Vivo</i> . <i>Journal of Neuroscience</i> , 2011, 31, 14324-14334.	3.6	81
22	Transplantation of cerebellar neural stem cells improves motor coordination and neuropathology in Machado-Joseph disease mice. <i>Brain</i> , 2015, 138, 320-335.	7.6	78
23	Displays of paternal mouse pup retrieval following communicative interaction with maternal mates. <i>Nature Communications</i> , 2013, 4, 1346.	12.8	69
24	Progressive impairment of cerebellar mGluR signalling and its therapeutic potential for cerebellar ataxia in spinocerebellar ataxia type 1 model mice. <i>Journal of Physiology</i> , 2017, 595, 141-164.	2.9	65
25	Mutant Ataxin-3 with an Abnormally Expanded Polyglutamine Chain Disrupts Dendritic Development and Metabotropic Glutamate Receptor Signaling in Mouse Cerebellar Purkinje Cells. <i>Cerebellum</i> , 2014, 13, 29-41.	2.5	63
26	Rescue of abnormal phenotypes of the $\alpha$ 2 glutamate receptor null mice by mutant $\alpha$ 2 transgenes. <i>EMBO Reports</i> , 2005, 6, 90-95.	4.5	56
27	In vivo transduction of murine cerebellar Purkinje cells by HIV-derived lentiviral vectors. <i>Brain Research</i> , 2006, 1082, 11-22.	2.2	55
28	Inositol 1,4,5-Trisphosphate Receptor Type 1 in Granule Cells, Not in Purkinje Cells, Regulates the Dendritic Morphology of Purkinje Cells through Brain-Derived Neurotrophic Factor Production. <i>Journal of Neuroscience</i> , 2006, 26, 10916-10924.	3.6	52
29	Kv3.3 channels harbouring a mutation of spinocerebellar ataxia type 13 alter excitability and induce cell death in cultured cerebellar Purkinje cells. <i>Journal of Physiology</i> , 2014, 592, 229-247.	2.9	52
30	Mesenchymal Stem Cells Ameliorate Cerebellar Pathology in a Mouse Model of Spinocerebellar Ataxia Type 1. <i>Cerebellum</i> , 2014, 13, 323-330.	2.5	49
31	A novel GTPase, CRAG, mediates promyelocytic leukemia protein-associated nuclear body formation and degradation of expanded polyglutamine protein. <i>Journal of Cell Biology</i> , 2006, 172, 497-504.	5.2	48
32	CD3 and Immunoglobulin G Fc Receptor Regulate Cerebellar Functions. <i>Molecular and Cellular Biology</i> , 2007, 27, 5128-5134.	2.3	48
33	FMRP Expression Levels in Mouse Central Nervous System Neurons Determine Behavioral Phenotype. <i>Human Gene Therapy</i> , 2016, 27, 982-996.	2.7	47
34	Minimal Purkinje Cell-Specific PCP2/L7 Promoter Virally Available for Rodents and Non-human Primates. <i>Molecular Therapy - Methods and Clinical Development</i> , 2017, 6, 159-170.	4.1	47
35	Elavl3 is essential for the maintenance of Purkinje neuron axons. <i>Scientific Reports</i> , 2018, 8, 2722.	3.3	47
36	Distinct transduction profiles in the CNS via three injection routes of AAV9 and the application to generation of a neurodegenerative mouse model. <i>Molecular Therapy - Methods and Clinical Development</i> , 2014, 1, 14032.	4.1	44

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37	Npas4 Regulates Mdm2 and thus Dcx in Experience-Dependent Dendritic Spine Development of Newborn Olfactory Bulb Interneurons. <i>Cell Reports</i> , 2014, 8, 843-857.	6.4	43
38	Neuropeptide Y mitigates neuropathology and motor deficits in mouse models of Machadoâ€“Joseph disease. <i>Human Molecular Genetics</i> , 2015, 24, 5451-5463.	2.9	43
39	CD38 positively regulates postnatal development of astrocytes cell-autonomously and oligodendrocytes non-cell-autonomously. <i>Glia</i> , 2017, 65, 974-989.	4.9	43
40	Modification of AMPA receptor clustering regulates cerebellar synaptic plasticity. <i>Neuroscience Research</i> , 2001, 39, 261-267.	1.9	42
41	Inhibitory effects of the antiepileptic drug ethosuximide on G protein-activated inwardly rectifying K <sup>+</sup> channels. <i>Neuropharmacology</i> , 2009, 56, 499-506.	4.1	40
42	Efficient whole brain transduction by systemic infusion of minimally purified AAV-PHP.eB. <i>Journal of Neuroscience Methods</i> , 2020, 346, 108914.	2.5	40
43	CD38 in the nucleus accumbens and oxytocin are related to paternal behavior in mice. <i>Molecular Brain</i> , 2013, 6, 41.	2.6	39
44	Rapamycin activates mammalian microautophagy. <i>Journal of Pharmacological Sciences</i> , 2019, 140, 201-204.	2.5	39
45	Exposure of lentiviral vectors to subneutral pH shifts the tropism from Purkinje cell to Bergmann glia. <i>European Journal of Neuroscience</i> , 2006, 24, 371-380.	2.6	38
46	Ca <sup>2+</sup> -permeability of the channel pore is not essential for the $\hat{r}2$ glutamate receptor to regulate synaptic plasticity and motor coordination. <i>Journal of Physiology</i> , 2007, 579, 729-735.	2.9	38
47	High Transgene Expression by Lentiviral Vectors Causes Maldevelopment of Purkinje Cells In Vivo. <i>Cerebellum</i> , 2010, 9, 291-302.	2.5	38
48	Disruption of metabotropic glutamate receptor signalling is a major defect at cerebellar parallel fibreâ€“Purkinje cell synapses in <i>staggerer</i> mutant mice. <i>Journal of Physiology</i> , 2011, 589, 3191-3209.	2.9	38
49	A Subtype of Olfactory Bulb Interneurons Is Required for Odor Detection and Discrimination Behaviors. <i>Journal of Neuroscience</i> , 2016, 36, 8210-8227.	3.6	38
50	5T4 Glycoprotein Regulates the Sensory Input-Dependent Development of a Specific Subtype of Newborn Interneurons in the Mouse Olfactory Bulb. <i>Journal of Neuroscience</i> , 2012, 32, 2217-2226.	3.6	37
51	Neurotropic Properties of AAV-PHP.B Are Shared among Diverse Inbred Strains of Mice. <i>Molecular Therapy</i> , 2019, 27, 700-704.	8.2	37
52	Interaction of the C-terminal domain of $\hat{r}$ glutamate receptor with spectrin in the dendritic spines of cultured Purkinje cells. <i>Neuroscience Research</i> , 1999, 34, 281-287.	1.9	35
53	A Large Form of Secretogranin III Functions as a Sorting Receptor for Chromogranin A Aggregates in PC12 Cells. <i>Molecular Endocrinology</i> , 2008, 22, 1935-1949.	3.7	34
54	Purkinje-cell-preferential transduction by lentiviral vectors with the murine stem cell virus promoter. <i>Neuroscience Letters</i> , 2008, 443, 7-11.	2.1	32

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55	Shp2 in Forebrain Neurons Regulates Synaptic Plasticity, Locomotion, and Memory Formation in Mice. <i>Molecular and Cellular Biology</i> , 2015, 35, 1557-1572.	2.3	32
56	Re-establishing ataxin-2 downregulates translation of mutant ataxin-3 and alleviates Machadoâ€“Joseph disease. <i>Brain</i> , 2015, 138, 3537-3554.	7.6	32
57	Lysosomal dysfunction and early glial activation are involved in the pathogenesis of spinocerebellar ataxia type 21 caused by mutant transmembrane protein 240. <i>Neurobiology of Disease</i> , 2018, 120, 34-50.	4.4	32
58	Progress in transduction of cerebellar Purkinje cells in vivo using viral vectors. <i>Cerebellum</i> , 2008, 7, 273-278.	2.5	31
59	Clustering of $\hat{\gamma}$ glutamate receptors is regulated by the actin cytoskeleton in the dendritic spines of cultured rat Purkinje cells. <i>European Journal of Neuroscience</i> , 2000, 12, 563-570.	2.6	29
60	Ipsilateral corticotectal pathway inhibits the formation of long-term potentiation (LTP) in the rat superior colliculus through GABAergic mechanism. <i>Brain Research</i> , 1993, 629, 23-30.	2.2	27
61	GABAergic neuron-specific whole-brain transduction by AAV-PHP.B incorporated with a new GAD65 promoter. <i>Molecular Brain</i> , 2021, 14, 33.	2.6	27
62	Inhibition gates supralinear Ca <sup>2+</sup> signaling in Purkinje cell dendrites during practiced movements. <i>ELife</i> , 2018, 7, .	6.0	27
63	Plasticity of neural connections underlying oxytocin-mediated parental behaviors of male mice. <i>Neuron</i> , 2022, 110, 2009-2023.e5.	8.1	27
64	Ca <sup>2+</sup> -dependent regulation of synaptic $\hat{\gamma}$ glutamate receptor density in cultured rat Purkinje neurons. <i>European Journal of Neuroscience</i> , 2001, 14, 73-82.	2.6	26
65	Organotypic Coculture Preparation for the Study of Developmental Synapse Elimination in Mammalian Brain. <i>Journal of Neuroscience</i> , 2012, 32, 11657-11670.	3.6	26
66	Activity-Dependent Neurotrophin Signaling Underlies Developmental Switch of Ca <sup>2+</sup> Channel Subtypes Mediating Neurotransmitter Release. <i>Journal of Neuroscience</i> , 2013, 33, 18755-18763.	3.6	26
67	Identification and molecular docking studies for novel inverse agonists of SREB, super conserved receptor expressed in brain. <i>Genes To Cells</i> , 2016, 21, 717-727.	1.2	26
68	Fluorescentâ€“based evaluation of chaperoneâ€“mediated autophagy and microautophagy activities in cultured cells. <i>Genes To Cells</i> , 2016, 21, 861-873.	1.2	26
69	Targeting inhibitory cerebellar circuitry to alleviate behavioral deficits in a mouse model for studying idiopathic autism. <i>Neuropsychopharmacology</i> , 2020, 45, 1159-1170.	5.4	26
70	Effects of Neutralizing Antibody Production on AAV-PHP.B-Mediated Transduction of the Mouse Central Nervous System. <i>Molecular Neurobiology</i> , 2019, 56, 4203-4214.	4.0	25
71	Generation of a neurodegenerative disease mouse model using lentiviral vectors carrying an enhanced synapsin I promoter. <i>Journal of Neuroscience Methods</i> , 2014, 223, 133-143.	2.5	24
72	Identification and characterization of PKC $\hat{\gamma}$ 3, a kinase associated with SCA14, as an amyloidogenic protein. <i>Human Molecular Genetics</i> , 2015, 24, 525-539.	2.9	22

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73	Mesenchymal Stem Cells as a Potential Therapeutic Tool for Spinocerebellar Ataxia. <i>Cerebellum</i> , 2015, 14, 165-170.	2.5	22
74	A CDC42EP4/septin-based perisynaptic glial scaffold facilitates glutamate clearance. <i>Nature Communications</i> , 2015, 6, 10090.	12.8	21
75	Long-term potentiation of neurotransmission in the inferior colliculus of the rat. <i>Neuroscience Letters</i> , 1995, 195, 175-178.	2.1	20
76	Cranial irradiation induces bone marrow-derived microglia in adult mouse brain tissue. <i>Journal of Radiation Research</i> , 2014, 55, 713-719.	1.6	20
77	Viral Vector-Based Dissection of Marmoset GFAP Promoter in Mouse and Marmoset Brains. <i>PLoS ONE</i> , 2016, 11, e0162023.	2.5	20
78	Task Force Paper On Cerebellar Transplantation: Are We Ready to Treat Cerebellar Disorders with Cell Therapy?. <i>Cerebellum</i> , 2019, 18, 575-592.	2.5	20
79	Caffeine alleviates progressive motor deficits in a transgenic mouse model of spinocerebellar ataxia. <i>Annals of Neurology</i> , 2017, 81, 407-418.	5.3	19
80	Comparative study of neuron-specific promoters in mouse brain transduced by intravenously administered AAV-PHP.eB. <i>Neuroscience Letters</i> , 2021, 756, 135956.	2.1	19
81	Fusion of Human Fetal Mesenchymal Stem Cells with $\alpha$ -Degenerating Cerebellar Neurons in Spinocerebellar Ataxia Type 1 Model Mice. <i>PLoS ONE</i> , 2016, 11, e0164202.	2.5	19
82	The release of glutamate and accumulation of intracellular calcium in the guinea pig hippocampal slices during glucose deprivation. <i>Neuroscience Letters</i> , 1995, 189, 21-24.	2.1	18
83	The scaffold protein JSAP1 regulates proliferation and differentiation of cerebellar granule cell precursors by modulating JNK signaling. <i>Molecular and Cellular Neurosciences</i> , 2008, 39, 569-578.	2.2	18
84	Transduction Profile of the Marmoset Central Nervous System Using Adeno-Associated Virus Serotype 9 Vectors. <i>Molecular Neurobiology</i> , 2017, 54, 1745-1758.	4.0	18
85	Morphological and Functional Attenuation of Degeneration of Peripheral Neurons by Mesenchymal Stem Cell-Conditioned Medium in Spinocerebellar Ataxia Type 1 Knockin Mice. <i>CNS Neuroscience and Therapeutics</i> , 2016, 22, 670-676.	3.9	17
86	Mesenchymal stem cells attenuate peripheral neuronal degeneration in spinocerebellar ataxia type 1 knockin mice. <i>Journal of Neuroscience Research</i> , 2016, 94, 246-252.	2.9	17
87	Pharmacological enhancement of retinoid-related orphan receptor $\beta$ function mitigates spinocerebellar ataxia type 3 pathology. <i>Neurobiology of Disease</i> , 2019, 121, 263-273.	4.4	17
88	Type 1 metabotropic glutamate receptor and its signaling molecules as therapeutic targets for the treatment of cerebellar disorders. <i>Current Opinion in Pharmacology</i> , 2018, 38, 51-58.	3.5	16
89	Protein Kinase C in the Cerebellum: Its Significance and Remaining Conundrums. <i>Cerebellum</i> , 2018, 17, 23-27.	2.5	16
90	Contribution of Thyrotropin-Releasing Hormone to Cerebellar Long-Term Depression and Motor Learning. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 490.	3.7	16

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91	d-Cysteine promotes dendritic development in primary cultured cerebellar Purkinje cells via hydrogen sulfide production. <i>Molecular and Cellular Neurosciences</i> , 2018, 93, 36-47.	2.2	16
92	Impairment of spinal motor neurons in spinocerebellar ataxia type 1-knock-in mice. <i>Neuroscience Letters</i> , 2013, 535, 67-72.	2.1	15
93	Glucocorticoids negatively regulates chaperone mediated autophagy and microautophagy. <i>Biochemical and Biophysical Research Communications</i> , 2020, 528, 199-205.	2.1	15
94	Consensus Paper: Strengths and Weaknesses of Animal Models of Spinocerebellar Ataxias and Their Clinical Implications. <i>Cerebellum</i> , 2022, 21, 452-481.	2.5	15
95	The clustering of NMDA receptor NR1 subunit is regulated by the interaction between the C-terminal exon cassettes and the cytoskeleton. <i>Neuroscience Research</i> , 1999, 34, 157-163.	1.9	14
96	Dopamine release via the vacuolar ATPase V0 sector c-subunit, confirmed in N18 neuroblastoma cells, results in behavioral recovery in hemiparkinsonian mice. <i>Neurochemistry International</i> , 2012, 61, 907-912.	3.8	14
97	The neurotoxic effect of lactational PFOS exposure on cerebellar functional development in male mice. <i>Food and Chemical Toxicology</i> , 2022, 159, 112751.	3.6	14
98	Excitatory and inhibitory effects of toluene on neural activity in guinea pig hippocampal slices. <i>Neuroscience Letters</i> , 1993, 158, 63-66.	2.1	13
99	Viral Vector-Based Evaluation of Regulatory Regions in the Neuron-Specific Enolase (NSE) Promoter in Mouse Cerebellum In Vivo. <i>Cerebellum</i> , 2017, 16, 913-922.	2.5	13
100	Characterization of mutant mice that express polyglutamine in cerebellar Purkinje cells. <i>Brain Research</i> , 2009, 1255, 9-17.	2.2	12
101	Long-term oral administration of the NMDA receptor antagonist memantine extends life span in spinocerebellar ataxia type 1 knock-in mice. <i>Neuroscience Letters</i> , 2015, 592, 37-41.	2.1	12
102	Chronic optogenetic stimulation of Bergman glia leads to dysfunction of EAAT1 and Purkinje cell death, mimicking the events caused by expression of pathogenic ataxin-1. <i>Neurobiology of Disease</i> , 2021, 154, 105340.	4.4	12
103	A cortical cell ensemble in the posterior parietal cortex controls past experience-dependent memory updating. <i>Nature Communications</i> , 2022, 13, 41.	12.8	12
104	Toluene inhibits synaptic transmission without causing gross morphological disturbances. <i>Brain Research</i> , 1994, 664, 266-270.	2.2	11
105	Inflammation-induced reversible switch of the neuron-specific enolase promoter from Purkinje neurons to Bergmann glia. <i>Scientific Reports</i> , 2016, 6, 27758.	3.3	11
106	Safety profile of the intravenous administration of brain-targeted stable nucleic acid lipid particles. <i>Data in Brief</i> , 2016, 6, 700-705.	1.0	11
107	Adenosine facilitates glutamate release in a protein kinase-dependent manner in superior colliculus slices. <i>European Journal of Pharmacology</i> , 1994, 256, 65-71.	3.5	10
108	A simple method using <sup>31</sup> P-NMR spectroscopy for the study of protein phosphorylation. <i>Brain Research Protocols</i> , 2000, 5, 182-189.	1.6	10

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109	Protein kinase C $\delta$ in cerebellar Purkinje cells regulates Ca <sup>2+</sup> -activated large-conductance K <sup>+</sup> channels and motor coordination. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	10
110	Inhibitory effect of GABA ( $\gamma$ -aminobutyric acid) on the induction of long-term potentiation in guinea pig superior colliculus slices. Neuroscience Letters, 1993, 149, 198-200.	2.1	9
111	Plasticity of the developmentally arrested staggerer cerebellum in response to exogenous ROR $\alpha$ . Brain Structure and Function, 2016, 221, 2879-2889.	2.3	9
112	Global Knockdown of Retinoid-related Orphan Receptor $\delta$ in Mature Purkinje Cells Reveals Aberrant Cerebellar Phenotypes of Spinocerebellar Ataxia. Neuroscience, 2021, 462, 328-336.	2.3	9
113	ASSOCIATION BETWEEN DIASTOLIC BLOOD PRESSURE AND LOWER HEMOGLOBIN A1C AND FRONTAL BRAIN ATROPHY IN ELDERLY SUBJECTS WITH DIABETES MELLITUS. Journal of the American Geriatrics Society, 2006, 54, 1005-1007.	2.6	8
114	Modulation of lentiviral vector tropism in cerebellar Purkinje cells in vivo by a lysosomal cysteine protease cathepsin K. Journal of NeuroVirology, 2012, 18, 521-531.	2.1	8
115	The Murine Stem Cell Virus Promoter Drives Correlated Transgene Expression in the Leukocytes and Cerebellar Purkinje Cells of Transgenic Mice. PLoS ONE, 2012, 7, e51015.	2.5	8
116	Retrograde Signaling for Climbing Fiber Synapse Elimination. Cerebellum, 2015, 14, 4-7.	2.5	8
117	Regulatory connection between the expression level of classical protein kinase C and pruning of climbing fibers from cerebellar Purkinje cells. Journal of Neurochemistry, 2017, 143, 660-670.	3.9	8
118	Deletion of Class II ADP-Ribosylation Factors in Mice Causes Tremor by the Nav1.6 Loss in Cerebellar Purkinje Cell Axon Initial Segments. Journal of Neuroscience, 2019, 39, 6339-6353.	3.6	8
119	BATTLE: Genetically Engineered Strategies for Split-Tunable Allocation of Multiple Transgenes in the Nervous System. IScience, 2020, 23, 101248.	4.1	8
120	Production of neuron-preferential lentiviral vectors. Protocol Exchange, 0, , .	0.3	8
121	Exogenously applied gangliosides (GM1, GD1a and Gmix) fail to facilitate the induction of long-term potentiation (LTP) in the slices of hippocampus and superior colliculus of the guinea pig. Neuroscience Letters, 1994, 170, 269-272.	2.1	7
122	Basic Research on Cerebellar Gene Therapy Using Lentiviral Vectors. Cerebellum, 2012, 11, 443-445.	2.5	7
123	Ataxic phenotype and neurodegeneration are triggered by the impairment of chaperone-mediated autophagy in cerebellar neurons. Neuropathology and Applied Neurobiology, 2021, 47, 198-209.	3.2	7
124	Protective roles of MITOL against myocardial senescence and ischemic injury partly via Drp1 regulation. IScience, 2022, 25, 104582.	4.1	7
125	Urinary $\alpha$ -FABP1 is a biomarker for impaired proximal tubular protein reabsorption and is synergistically enhanced by concurrent liver injury. Journal of Pathology, 2021, 255, 362-373.	4.5	6
126	Adenosine enhances neuronal damage during deprivation of oxygen and glucose in guinea pig superior collicular slices. Neuroscience Letters, 1994, 182, 283-286.	2.1	5



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127	Therapeutic potential of d-cysteine against in vitro and in vivo models of spinocerebellar ataxia. <i>Experimental Neurology</i> , 2021, 343, 113791.	4.1	5
128	Potential Usefulness of D2R Reporter Gene Imaging by IBF as Gene Therapy Monitoring for Cerebellar Neurodegenerative Diseases. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 434-440.	4.3	4
129	Loss-of-function mutation of c-Ret causes cerebellar hypoplasia in mice with Hirschsprung disease and Down's syndrome. <i>Journal of Biological Chemistry</i> , 2021, 296, 100389.	3.4	4
130	Development of novel potent ligands for <sc>GPR85</sc>, an orphan G protein-coupled receptor expressed in the brain. <i>Genes To Cells</i> , 2022, 27, 345-355.	1.2	4
131	Progress in transduction of cerebellar Purkinje cells in vivo using viral vectors. <i>Cerebellum</i> , 2008, 7, 1-6.	2.5	3
132	The contribution of PKA to the excitatory mechanism of adenosine in guinea pig superior colliculus slices. <i>Neuroscience Letters</i> , 1994, 182, 33-36.	2.1	2
133	Protocol for BATTLE-1EX: A High-Resolution Imaging Method to Visualize Whole Synaptic Structures and their Components in the Nervous System. <i>STAR Protocols</i> , 2020, 1, 100166.	1.2	2
134	Masao Ito "A Visionary Neuroscientist with a Passion for the Cerebellum. <i>Neuroscience</i> , 2021, 462, 1-3.	2.3	2
135	Regulation of Phosphatidylcholine Biosynthesis by mGluR1 Expressed in Human Embryonic Kidney 293 Cells A 31P-NMR Study. <i>Molecular and Cellular Neurosciences</i> , 1999, 14, 444-454.	2.2	1
136	Recent Developments in Gene Therapy Research Targeted to Cerebellar Disorders. , 2011, , .		1
137	The Ser19Stop single nucleotide polymorphism (SNP) of human PHYHIPL affects the cerebellum in mice. <i>Molecular Brain</i> , 2021, 14, 52.	2.6	1
138	A Case of Dermatofibrosarcoma Protuberans with Bronchial Submucosal Metastasis.. <i>Japanese Journal of Lung Cancer</i> , 1992, 32, 89-94.	0.1	0
139	Antibody Against a Putative Ligand-Binding Site Reveals Delta2 Glutamate Receptor Function. <i>Annals of the New York Academy of Sciences</i> , 2002, 978, 519-519.	3.8	0
140	Adaptive Local Thresholding for Co-Localization Detection in Multi-Channel Fluorescence Microscopic Images. <i>IEICE Transactions on Information and Systems</i> , 2016, E99.D, 2851-2855.	0.7	0
141	ãf-ãf³ãfã,  ã,ãf«ã,1ãf™ã,ã,ãf1/4ã,'ç""ã,ãÿè,,Šé«,ã°è,,³ã%ææSç-ã®éã1/4ãæ²»ç™,. <i>Kitakanto Medical Journal</i> , 2008, 58, 325-326		
142	Exercise Differentially Affects Cerebellar Cytotoxic Microglia in Spinocerebellar Ataxia Model Mice. <i>Kitakanto Medical Journal</i> , 2013, 63, 209-215.	0.0	0
143	Gabaergic System Modulates the Formation of LTP (Long-Term Potentiation) in the Superior Colliculus. , 1996, , 209-220.		0
144	Establishment of World Premier Viral Vector Core. <i>Kitakanto Medical Journal</i> , 2020, 70, 277-279.	0.0	0

#	ARTICLE	IF	CITATIONS
145	Electrophysiological and Imaging Analysis of GFP-Tagged Protein Kinase C $\delta^3$ Translocation in Cerebellar Purkinje Cells. <i>Cerebellum</i> , 2022, , 1.	2.5	0
146	D-Cysteine Activates Chaperone-Mediated Autophagy in Cerebellar Purkinje Cells via the Generation of Hydrogen Sulfide and Nrf2 Activation. <i>Cells</i> , 2022, 11, 1230.	4.1	0