

Masahiko Watanabe

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.

623
papers

35,978
citations

96
h-index

159
g-index

648
ext. papers

40,156
ext. citations

6.6
avg, IF

6.92
L-index

#	Paper	IF	Citations
623	L-DOPA-Induced Neurogenesis in the Hippocampus Is Mediated through GPR143, a Distinct Mechanism of Dopamine.. <i>Stem Cells</i> , 2022 ,	5.8	1
622	Loss of calyntenin paralogs disrupts interneuron stability and mouse behavior.. <i>Molecular Brain</i> , 2022 , 15, 23	4.5	
621	Neurexins play a crucial role in cerebellar granule cell survival by organizing autocrine machinery for neurotrophins.. <i>Cell Reports</i> , 2022 , 39, 110624	10.6	3
620	Spike firing attenuation of serotonin neurons in learned helplessness rats is reversed by ketamine.. <i>Brain Communications</i> , 2021 , 3, fcab285	4.5	0
619	GAD67-mediated GABA Synthesis and Signaling Impinges on Directing Basket Cell Axonal Projections Toward Purkinje Cells in the Cerebellum. <i>Cerebellum</i> , 2021 , 1	4.3	1
618	Perisomatic innervation and neurochemical features of giant pyramidal neurons in both hemispheres of the human primary motor cortex. <i>Brain Structure and Function</i> , 2021 , 226, 281-296	4	0
617	Development of an L-type Ca channel-dependent Ca transient during the radial migration of cortical excitatory neurons. <i>Neuroscience Research</i> , 2021 , 169, 17-26	2.9	5
616	A comparative analysis of kainate receptor GluK2 and GluK5 knockout mice in a pure genetic background. <i>Behavioural Brain Research</i> , 2021 , 405, 113194	3.4	2
615	An Autism-Associated Neuroligin-3 Mutation Affects Developmental Synapse Elimination in the Cerebellum. <i>Frontiers in Neural Circuits</i> , 2021 , 15, 676891	3.5	1
614	Expression of type one cannabinoid receptor in different subpopulation of kisspeptin neurons and kisspeptin afferents to GnRH neurons in female mice. <i>Brain Structure and Function</i> , 2021 , 226, 2387-2399 ⁴		0
613	Compartmentalized Input-Output Organization of Lugaro Cells in the Cerebellar Cortex. <i>Neuroscience</i> , 2021 , 462, 89-105	3.9	6
612	Nectin-2Bs localized at cholinergic neuron dendrites and regulates synapse formation in the medial habenula. <i>Journal of Comparative Neurology</i> , 2021 , 529, 450-477	3.4	2
611	Decreased striatal adenosine A-dopamine D receptor heteromerization in schizophrenia. <i>Neuropsychopharmacology</i> , 2021 , 46, 665-672	8.7	9
610	Kv11 (ether- β -go-go-related gene) voltage-dependent K channels promote resonance and oscillation of subthreshold membrane potentials. <i>Journal of Physiology</i> , 2021 , 599, 547-569	3.9	1
609	Rats deficient in the GAD65 isoform exhibit epilepsy and premature lethality. <i>FASEB Journal</i> , 2021 , 35, e21224	0.9	5
608	Global knockdown of glutamate decarboxylase 67 elicits emotional abnormality in mice. <i>Molecular Brain</i> , 2021 , 14, 5	4.5	2
607	In situ localization of diacylglycerol lipase β and γ producing an endocannabinoid 2-arachidonoylglycerol and of cannabinoid receptor 1 in the primary oocytes of postnatal mice. <i>Journal of Anatomy</i> , 2021 , 238, 1330-1340	2.9	2

606	Homeostatic p62 levels and inclusion body formation in CHCHD2 knockout mice. <i>Human Molecular Genetics</i> , 2021 , 30, 443-453	5.6	4
605	Mesenchymal Stem Cell Sheet Promotes Functional Recovery and Palliates Neuropathic Pain in a Subacute Spinal Cord Injury Model. <i>Stem Cells International</i> , 2021 , 2021, 9964877	5	2
604	Cell differentiation is disrupted by MYO5B loss through Wnt/Notch imbalance. <i>JCI Insight</i> , 2021 , 6,	9.9	3
603	mGluR1 signaling in cerebellar Purkinje cells: Subcellular organization and involvement in cerebellar function and disease. <i>Neuropharmacology</i> , 2021 , 194, 108629	5.5	1
602	Associations between Clinical Findings and Severity of Diffuse Idiopathic Skeletal Hyperostosis in Patients with Ossification of the Posterior Longitudinal Ligament. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	1
601	Characterisation of lamina I anterolateral system neurons that express Cre in a Phox2a-Cre mouse line. <i>Scientific Reports</i> , 2021 , 11, 17912	4.9	0
600	Mitochondrial Localization of CB1 in Progesterone-producing Cells of Ovarian Interstitial Glands of Adult Mice.. <i>Journal of Histochemistry and Cytochemistry</i> , 2021 , 221554211063516	3.4	0
599	BRAG2a Mediates mGluR-Dependent AMPA Receptor Internalization at Excitatory Postsynapses through the Interaction with PSD-95 and Endophilin 3. <i>Journal of Neuroscience</i> , 2020 , 40, 4277-4296	6.6	2
598	FTY720 Attenuates Neuropathic Pain after Spinal Cord Injury by Decreasing Systemic and Local Inflammation in a Rat Spinal Cord Compression Model. <i>Journal of Neurotrauma</i> , 2020 , 37, 1720-1728	5.4	10
597	Neuroigin3 splice isoforms shape inhibitory synaptic function in the mouse hippocampus. <i>Journal of Biological Chemistry</i> , 2020 , 295, 8589-8595	5.4	8
596	Lysophosphatidic Acid Increases Maturation of Brush Borders and SGLT1 Activity in MYO5B-deficient Mice, a Model of Microvillus Inclusion Disease. <i>Gastroenterology</i> , 2020 , 159, 1390-1405.e20	13.3	7
595	A Glial-Neuronal Circuit in the Median Eminence Regulates Thyrotropin-Releasing Hormone-Release via the Endocannabinoid System. <i>IScience</i> , 2020 , 23, 100921	6.1	10
594	Risk Factors for Wound Infection After Laparoscopic Surgery for Colon Cancer. <i>Surgical Laparoscopy, Endoscopy and Percutaneous Techniques</i> , 2020 , 30, 45-48	1.3	2
593	GluD1 knockout mice with a pure C57BL/6N background show impaired fear memory, social interaction, and enhanced depressive-like behavior. <i>PLoS ONE</i> , 2020 , 15, e0229288	3.7	14
592	Neurotransmitters and Motoneuron Contacts of Multifunctional and Behaviorally Specialized Turtle Spinal Cord Interneurons. <i>Journal of Neuroscience</i> , 2020 , 40, 2680-2694	6.6	4
591	Different expression and subcellular localization of vesicular inhibitory amino acid transporter in ducts of major salivary glands: An in situ study in mice. <i>Archives of Oral Biology</i> , 2020 , 113, 104689	2.8	
590	PSA-NCAM Colocalized with Cholecystokinin-Expressing Cells in the Hippocampus Is Involved in Mediating Antidepressant Efficacy. <i>Journal of Neuroscience</i> , 2020 , 40, 825-842	6.6	2
589	Expression and localization of endogenous phospholipase CB confined to basal cells in situ of immature ducts and adult excretory ducts of submandibular gland of mice. <i>Acta Histochemica</i> , 2020 , 122, 151497	2	1

588	Enhanced Retrieval of Taste Associative Memory by Chemogenetic Activation of Locus Coeruleus Norepinephrine Neurons. <i>Journal of Neuroscience</i> , 2020 , 40, 8367-8385	6.6	2
587	Specific Neuroligin3-Neurexin1 signaling regulates GABAergic synaptic function in mouse hippocampus. <i>ELife</i> , 2020 , 9,	8.9	6
586	Cerebellar circuits 2020 , 79-102		
585	Autism spectrum disorder-like behavior caused by reduced excitatory synaptic transmission in pyramidal neurons of mouse prefrontal cortex. <i>Nature Communications</i> , 2020 , 11, 5140	17.4	23
584	Opposing Ventral Striatal Medium Spiny Neuron Activities Shaped by Striatal Parvalbumin-Expressing Interneurons during Goal-Directed Behaviors. <i>Cell Reports</i> , 2020 , 31, 107829	10.6	3
583	Substance P-expressing Neurons in the Superficial Dorsal Horn of the Mouse Spinal Cord: Insights into Their Functions and their Roles in Synaptic Circuits. <i>Neuroscience</i> , 2020 , 450, 113-125	3.9	5
582	Expression of green fluorescent protein defines a specific population of lamina II excitatory interneurons in the GRP::eGFP mouse. <i>Scientific Reports</i> , 2020 , 10, 13176	4.9	10
581	A synthetic synaptic organizer protein restores glutamatergic neuronal circuits. <i>Science</i> , 2020 , 369,	33.3	38
580	CRISPR/Cas9-engineered Gad1 elimination in rats leads to complex behavioral changes: implications for schizophrenia. <i>Translational Psychiatry</i> , 2020 , 10, 426	8.6	12
579	Expression mapping, quantification, and complex formation of GluD1 and GluD2 glutamate receptors in adult mouse brain. <i>Journal of Comparative Neurology</i> , 2020 , 528, 1003-1027	3.4	15
578	GluD1 knockout mice with a pure C57BL/6N background show impaired fear memory, social interaction, and enhanced depressive-like behavior 2020 , 15, e0229288		
577	GluD1 knockout mice with a pure C57BL/6N background show impaired fear memory, social interaction, and enhanced depressive-like behavior 2020 , 15, e0229288		
576	GluD1 knockout mice with a pure C57BL/6N background show impaired fear memory, social interaction, and enhanced depressive-like behavior 2020 , 15, e0229288		
575	GluD1 knockout mice with a pure C57BL/6N background show impaired fear memory, social interaction, and enhanced depressive-like behavior 2020 , 15, e0229288		
574	mGluR1 in cerebellar Purkinje cells is essential for the formation but not expression of associative eyeblink memory. <i>Scientific Reports</i> , 2019 , 9, 7353	4.9	4
573	Localization of phospholipase C B in the major salivary glands of adult mice. <i>Acta Histochemica</i> , 2019 , 121, 484-490	2	2
572	Expression of cholecystokinin by neurons in mouse spinal dorsal horn. <i>Journal of Comparative Neurology</i> , 2019 , 527, 1857-1871	3.4	23
571	Differential expression of neurexin genes in the mouse brain. <i>Journal of Comparative Neurology</i> , 2019 , 527, 1940-1965	3.4	15

570	Expression of Neuropeptide FF Defines a Population of Excitatory Interneurons in the Superficial Dorsal Horn of the Mouse Spinal Cord that Respond to Noxious and Pruritic Stimuli. <i>Neuroscience</i> , 2019 , 416, 281-293	3.9	15
569	Defining a Spinal Microcircuit that Gates Myelinated Afferent Input: Implications for Tactile Allodynia. <i>Cell Reports</i> , 2019 , 28, 526-540.e6	10.6	45
568	Revealing Adenosine A-Dopamine D Receptor Heteromers in Parkinson's Disease Post-Mortem Brain through a New AlphaScreen-Based Assay. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	21
567	Morphological and functional properties distinguish the substance P and gastrin-releasing peptide subsets of excitatory interneuron in the spinal cord dorsal horn. <i>Pain</i> , 2019 , 160, 442-462	8	38
566	Calretinin positive neurons form an excitatory amplifier network in the spinal cord dorsal horn. <i>ELife</i> , 2019 , 8,	8.9	19
565	Heterogeneous localization of muscarinic cholinceptor M in the salivary ducts of adult mice. <i>Archives of Oral Biology</i> , 2019 , 100, 14-22	2.8	1
564	K-2 Molecular-anatomical basis of synaptic circuit development in the cerebellum. <i>Microscopy (Oxford, England)</i> , 2019 , 68, i20-i20	1.3	
563	Polarized PtdIns(4,5)P distribution mediated by a voltage-sensing phosphatase (VSP) regulates sperm motility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 26020-26028	11.5	6
562	Expression of Calretinin Among Different Neurochemical Classes of Interneuron in the Superficial Dorsal Horn of the Mouse Spinal Cord. <i>Neuroscience</i> , 2019 , 398, 171-181	3.9	19
561	Adenosine A-Cannabinoid CB Receptor Heteromers in the Hippocampus: Cannabidiol Blunts Δ^9 Tetrahydrocannabinol-Induced Cognitive Impairment. <i>Molecular Neurobiology</i> , 2019 , 56, 5382-5391	6.2	29
560	Post mortem single-cell labeling with Dil and immunoelectron microscopy unveil the fine structure of kisspeptin neurons in humans. <i>Brain Structure and Function</i> , 2018 , 223, 2143-2156	4	4
559	Retrograde Signaling from Progranulin to Sort1 Counteracts Synapse Elimination in the Developing Cerebellum. <i>Neuron</i> , 2018 , 97, 796-805.e5	13.9	20
558	Elavl3 is essential for the maintenance of Purkinje neuron axons. <i>Scientific Reports</i> , 2018 , 8, 2722	4.9	23
557	CDC42EP4, a perisynaptic scaffold protein in Bergmann glia, is required for glutamatergic tripartite synapse configuration. <i>Neurochemistry International</i> , 2018 , 119, 190-198	4.4	3
556	Repeated fluvoxamine treatment recovers early postnatal stress-induced hypersociability-like behavior in adult rats. <i>Journal of Pharmacological Sciences</i> , 2018 , 136, 1-8	3.7	3
555	Postsynaptic GABARs Inhibit L-Type Calcium Channels and Abolish Long-Term Potentiation in Hippocampal Somatostatin Interneurons. <i>Cell Reports</i> , 2018 , 22, 36-43	10.6	22
554	Circuit dissection of the role of somatostatin in itch and pain. <i>Nature Neuroscience</i> , 2018 , 21, 707-716	25.5	122
553	Localization of nectin-2 at the boundary between the adjacent somata of the clustered cholinergic neurons and its regulatory role in the subcellular localization of the voltage-gated A-type K channel Kv4.2 in the medial habenula. <i>Journal of Comparative Neurology</i> , 2018 , 526, 1527-1549	3.4	4

552	Anti-Sez6l2 antibody detected in a patient with immune-mediated cerebellar ataxia inhibits complex formation of GluR1 and Sez6l2. <i>Journal of Neurology</i> , 2018 , 265, 962-965	5.5	7
551	Gene expression of A6-like subgroup of ATP-binding cassette transporters in mouse brain parenchyma and microvessels. <i>Anatomical Science International</i> , 2018 , 93, 456-463	2	5
550	Inhibitory neuron-specific Cre-dependent red fluorescent labeling using VGAT BAC-based transgenic mouse lines with identified transgene integration sites. <i>Journal of Comparative Neurology</i> , 2018 , 526, 373-396	3.4	5
549	Munc13-3 Is Required for the Developmental Localization of Ca Channels to Active Zones and the Nanopositioning of Ca _v 2.1 Near Release Sensors. <i>Cell Reports</i> , 2018 , 22, 1965-1973	10.6	27
548	Multiple Phases of Climbing Fiber Synapse Elimination in the Developing Cerebellum. <i>Cerebellum</i> , 2018 , 17, 722-734	4.3	39
547	Metabotropic glutamate type 5 receptor requires contactin-associated protein 1 to control memory formation. <i>Human Molecular Genetics</i> , 2018 , 27, 3528-3541	5.6	1
546	Monitoring and Updating of Action Selection for Goal-Directed Behavior through the Striatal Direct and Indirect Pathways. <i>Neuron</i> , 2018 , 99, 1302-1314.e5	13.9	72
545	Activity-Induced Regulation of Synaptic Strength through the Chromatin Reader L3mbtl1. <i>Cell Reports</i> , 2018 , 23, 3209-3222	10.6	14
544	Ectopic positioning of Bergmann glia and impaired cerebellar wiring in Mlc1-over-expressing mice. <i>Journal of Neurochemistry</i> , 2018 , 147, 344-360	6	2
543	Cell- and stage-specific localization of galectin-3, a β -galactoside-binding lectin, in a mouse model of experimental autoimmune encephalomyelitis. <i>Neurochemistry International</i> , 2018 , 118, 176-184	4.4	9
542	Ca ²⁺ -binding protein NECAB2 facilitates inflammatory pain hypersensitivity. <i>Journal of Clinical Investigation</i> , 2018 , 128, 3757-3768	15.9	9
541	Differential association of GABA receptors with their effector ion channels in Purkinje cells. <i>Brain Structure and Function</i> , 2018 , 223, 1565-1587	4	16
540	Cell-Type-Specific Spatiotemporal Expression of Creatine Biosynthetic Enzyme S-adenosylmethionine:guanidinoacetate N-methyltransferase in Developing Mouse Brain. <i>Neurochemical Research</i> , 2018 , 43, 500-510	4.6	4
539	SK2 Channels Associate With mGlu Receptors and Ca _v 2.1 Channels in Purkinje Cells. <i>Frontiers in Cellular Neuroscience</i> , 2018 , 12, 311	6.1	8
538	Lymph node metastasis and high serum CEA are important prognostic factors in hormone receptor positive and HER2 negative breast cancer. <i>Molecular and Clinical Oncology</i> , 2018 , 9, 566-574	1.6	5
537	Structural insights into modulation and selectivity of transsynaptic neurexin-LRRTM interaction. <i>Nature Communications</i> , 2018 , 9, 3964	17.4	22
536	Endocannabinoid and nitric oxide systems of the hypothalamic paraventricular nucleus mediate effects of NPY on energy expenditure. <i>Molecular Metabolism</i> , 2018 , 18, 120-133	8.8	9
535	Distribution of Caskin1 protein and phenotypic characterization of its knockout mice using a comprehensive behavioral test battery. <i>Molecular Brain</i> , 2018 , 11, 63	4.5	14

534	Detection of KK-LC-1 Protein, a Cancer/Testis Antigen, in Patients with Breast Cancer. <i>Anticancer Research</i> , 2018 , 38, 5923-5928	2.3	7
533	ASCT1 (Slc1a4) transporter is a physiologic regulator of brain d-serine and neurodevelopment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 9628-9633	11.5	36
532	Deletion of exons encoding carboxypeptidase domain of Nna1 results in Purkinje cell degeneration (pcd) phenotype. <i>Journal of Neurochemistry</i> , 2018 , 147, 557-572	6	12
531	mGlu1 Receptors Monopolize the Synaptic Control of Cerebellar Purkinje Cells by Epigenetically Down-Regulating mGlu5 Receptors. <i>Scientific Reports</i> , 2018 , 8, 13361	4.9	1
530	Two isoforms of cyclic GMP-dependent kinase-I exhibit distinct expression patterns in the adult mouse dorsal root ganglion. <i>Molecular Pain</i> , 2018 , 14, 1744806918796409	3.4	3
529	Immunochemical characterization on pathological oligomers of mutant Cu/Zn-superoxide dismutase in amyotrophic lateral sclerosis. <i>Molecular Neurodegeneration</i> , 2017 , 12, 2	19	13
528	Dysfunction of ventrolateral striatal dopamine receptor type 2-expressing medium spiny neurons impairs instrumental motivation. <i>Nature Communications</i> , 2017 , 8, 14304	17.4	29
527	Diacylglycerol kinase β localizes to subsurface cisterns of cerebellar Purkinje cells. <i>Cell and Tissue Research</i> , 2017 , 368, 441-458	4.2	11
526	Secure overlap stapling using a linear stapler with bioabsorbable polyglycolic acid felt. <i>Asian Journal of Endoscopic Surgery</i> , 2017 , 10, 308-312	1.4	5
525	Ventrolateral Striatal Medium Spiny Neurons Positively Regulate Food-Incentive, Goal-Directed Behavior Independently of D1 and D2 Selectivity. <i>Journal of Neuroscience</i> , 2017 , 37, 2723-2733	6.6	56
524	Sutureless functional end-to-end anastomosis using a linear stapler with polyglycolic acid felt for intestinal anastomoses. <i>Annals of Medicine and Surgery</i> , 2017 , 17, 50-53	2	6
523	Pain management using acetaminophen throughout postoperative course of laparoscopic colorectal surgery: A case-matched control study. <i>Annals of Medicine and Surgery</i> , 2017 , 17, 38-42	2	6
522	Differential surface density and modulatory effects of presynaptic GABA receptors in hippocampal cholecystokinin and parvalbumin basket cells. <i>Brain Structure and Function</i> , 2017 , 222, 3677-3690	4	10
521	Intrarenal signaling mediated by CCK plays a role in salt intake-induced natriuresis. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 313, F20-F29	4.3	3
520	Using a novel PV-Cre rat model to characterize pallidonigral cells and their terminations. <i>Brain Structure and Function</i> , 2017 , 222, 2359-2378	4	18
519	The Cellular and Synaptic Architecture of the Mechanosensory Dorsal Horn. <i>Cell</i> , 2017 , 168, 295-310.e1956.2	168	168
518	Localization of photoperiod responsive circadian oscillators in the mouse suprachiasmatic nucleus. <i>Scientific Reports</i> , 2017 , 7, 8210	4.9	16
517	Sez6l2 regulates phosphorylation of ADD and neuritogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 494, 234-241	3.4	14

516	Early gastric cancer frequently has high expression of KK-LC-1, a cancer-testis antigen. <i>World Journal of Gastroenterology</i> , 2017 , 23, 8200-8206	5.6	15
515	KCTD12 Auxiliary Proteins Modulate Kinetics of GABAB Receptor-Mediated Inhibition in Cholecystokinin-Containing Interneurons. <i>Cerebral Cortex</i> , 2017 , 27, 2318-2334	5.1	16
514	SNAP-25 phosphorylation at Ser187 regulates synaptic facilitation and short-term plasticity in an age-dependent manner. <i>Scientific Reports</i> , 2017 , 7, 7996	4.9	17
513	The Parkinson's disease-associated GPR37 receptor interacts with striatal adenosine A receptor controlling its cell surface expression and function in vivo. <i>Scientific Reports</i> , 2017 , 7, 9452	4.9	22
512	Glycinergic Input to the Mouse Basal Forebrain Cholinergic Neurons. <i>Journal of Neuroscience</i> , 2017 , 37, 9534-9549	6.6	5
511	The Primary Result of Prospective Randomized Multicenter Trial of New Spray-Type Bio-absorbable Adhesion Barrier System (TCD-11091) Against Postoperative Adhesion Formation. <i>Journal of Gastrointestinal Surgery</i> , 2017 , 21, 1683-1691	3.3	18
510	Retrograde BDNF to TrkB signaling promotes synapse elimination in the developing cerebellum. <i>Nature Communications</i> , 2017 , 8, 195	17.4	66
509	Preprotachykinin A is expressed by a distinct population of excitatory neurons in the mouse superficial spinal dorsal horn including cells that respond to noxious and pruritic stimuli. <i>Pain</i> , 2017 , 158, 440-456	8	37
508	Numbers of presynaptic Ca channel clusters match those of functionally defined vesicular docking sites in single central synapses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E5246-E5255	11.5	53
507	Glutamate transporter GLAST controls synaptic wrapping by Bergmann glia and ensures proper wiring of Purkinje cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 7438-7443	11.5	34
506	Serotonin rebalances cortical tuning and behavior linked to autism symptoms in 15q11-13 CNV mice. <i>Science Advances</i> , 2017 , 3, e1603001	14.3	44
505	Astrocyte-mediated infantile-onset leukoencephalopathy mouse model. <i>Glia</i> , 2017 , 65, 150-168	9	14
504	Late postnatal shifts of parvalbumin and nitric oxide synthase expression within the GABAergic and glutamatergic phenotypes of inferior colliculus neurons. <i>Journal of Comparative Neurology</i> , 2017 , 525, 868-884	3.4	11
503	Distribution of corticotropin-releasing factor neurons in the mouse brain: a study using corticotropin-releasing factor-modified yellow fluorescent protein knock-in mouse. <i>Brain Structure and Function</i> , 2017 , 222, 1705-1732	4	34
502	Maturation of Cerebellar Purkinje Cell Population Activity during Postnatal Refinement of Climbing Fiber Network. <i>Cell Reports</i> , 2017 , 21, 2066-2073	10.6	19
501	Anatomical and Molecular Properties of Long Descending Propriospinal Neurons in Mice. <i>Frontiers in Neuroanatomy</i> , 2017 , 11, 5	3.6	23
500	A quantitative study of neurochemically defined populations of inhibitory interneurons in the superficial dorsal horn of the mouse spinal cord. <i>Neuroscience</i> , 2017 , 363, 120-133	3.9	54
499	Complete Laparoscopic Resection of an Abdominal Wall Lipoma with Protrusion into the Abdominal Cavity. <i>Nihon Rinsho Geka Gakkai Zasshi (Journal of Japan Surgical Association)</i> , 2017 , 78, 615-619		

498	The Metabotropic Glutamate Receptor Subtype 1 Mediates Experience-Dependent Maintenance of Mature Synaptic Connectivity in the Visual Thalamus. <i>Neuron</i> , 2016 , 91, 1097-1109	13.9	16
497	Crucial Roles of the Endocannabinoid 2-Arachidonoylglycerol in the Suppression of Epileptic Seizures. <i>Cell Reports</i> , 2016 , 16, 1405-1415	10.6	42
496	The active zone protein CAST regulates synaptic vesicle recycling and quantal size in the mouse hippocampus. <i>European Journal of Neuroscience</i> , 2016 , 44, 2272-84	3.5	14
495	Neural FFA3 activation inversely regulates anion secretion evoked by nicotinic ACh receptor activation in rat proximal colon. <i>Journal of Physiology</i> , 2016 , 594, 3339-52	3.9	35
494	TRPC3 positively regulates reactive oxygen species driving maladaptive cardiac remodeling. <i>Scientific Reports</i> , 2016 , 6, 37001	4.9	57
493	Roles of Cbln1 in Non-Motor Functions of Mice. <i>Journal of Neuroscience</i> , 2016 , 36, 11801-11816	6.6	39
492	Emerging roles of ARHGAP33 in intracellular trafficking of TrkB and pathophysiology of neuropsychiatric disorders. <i>Nature Communications</i> , 2016 , 7, 10594	17.4	24
491	Developmental Switch in Spike Timing-Dependent Plasticity and Cannabinoid-Dependent Reorganization of the Thalamocortical Projection in the Barrel Cortex. <i>Journal of Neuroscience</i> , 2016 , 36, 7039-54	6.6	11
490	The ascending median raphe projections are mainly glutamatergic in the mouse forebrain. <i>Brain Structure and Function</i> , 2016 , 221, 735-51	4	29
489	Phosphoproteomics of the Dopamine Pathway Enables Discovery of Rap1 Activation as a Reward Signal In Vivo. <i>Neuron</i> , 2016 , 89, 550-65	13.9	52
488	Lower body mass index predicts worse cancer-specific prognosis in octogenarians with colorectal cancer. <i>Journal of Gastroenterology</i> , 2016 , 51, 779-87	6.9	14
487	Territories of heterologous inputs onto Purkinje cell dendrites are segregated by mGluR1-dependent parallel fiber synapse elimination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 2282-7	11.5	46
486	Comparative anatomical distribution of neuronal calcium-binding protein (NECAB) 1 and -2 in rodent and human spinal cord. <i>Brain Structure and Function</i> , 2016 , 221, 3803-23	4	12
485	A combined electrophysiological and morphological study of neuropeptide Y-expressing inhibitory interneurons in the spinal dorsal horn of the mouse. <i>Pain</i> , 2016 , 157, 598-612	8	25
484	Serotonin 5-HT7 Receptor in the Ventral Hippocampus Modulates the Retrieval of Fear Memory and Stress-Induced Defecation. <i>International Journal of Neuropsychopharmacology</i> , 2016 , 19,	5.8	12
483	QRFP-Deficient Mice Are Hypophagic, Lean, Hypoactive and Exhibit Increased Anxiety-Like Behavior. <i>PLoS ONE</i> , 2016 , 11, e0164716	3.7	21
482	Involvement of Brain-Enriched Guanylate Kinase-Associated Protein (BEGAIN) in Chronic Pain after Peripheral Nerve Injury. <i>ENeuro</i> , 2016 , 3,	3.9	5
481	Membrane palmitoylated protein 2 is a synaptic scaffold protein required for synaptic SK2-containing channel function. <i>ELife</i> , 2016 , 5,	8.9	11

480	Fluorescent In Situ Hybridization for Sensitive and Specific Labeling. <i>Neuromethods</i> , 2016 , 127-142	0.4	1
479	Immunohistochemistry for Ion Channels and Their Interacting Molecules: Tips for Improving Antibody Accessibility. <i>Neuromethods</i> , 2016 , 171-178	0.4	1
478	Post-embedding Immunohistochemistry in the Localisation of Receptors and Ion Channels. <i>Neuromethods</i> , 2016 , 211-232	0.4	1
477	Production of High-Quality Antibodies for the Study of Receptors and Ion Channels. <i>Neuromethods</i> , 2016 , 3-18	0.4	0
476	Distinct and Cooperative Functions for the μ - and κ -Clusters in Neuronal Survival and Axon Targeting. <i>Frontiers in Molecular Neuroscience</i> , 2016 , 9, 155	6.1	41
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3	Studies on Melanin. <i>Tohoku Journal of Experimental Medicine</i> , 1949 , 50, 384-384	2.4	
2	Neurexins play a crucial role in cerebellar granule cell survival by organizing autocrine machinery for neurotrophins		2
1	In situ cancer vaccination with a replication-conditional HSV for the treatment of liver metastasis of colon cancer		1