

Kenji F Tanaka

List of Publications by Citations

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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.

157
papers

7,266
citations

45
h-index

83
g-index

168
ext. papers

8,989
ext. citations

8.3
avg, IF

5.68
L-index

#	Paper	IF	Citations
157	Lrp5 controls bone formation by inhibiting serotonin synthesis in the duodenum. <i>Cell</i> , 2008 , 135, 825-37	56.2	651
156	Near-infrared deep brain stimulation via upconversion nanoparticle-mediated optogenetics. <i>Science</i> , 2018 , 359, 679-684	33.3	564
155	A serotonin-dependent mechanism explains the leptin regulation of bone mass, appetite, and energy expenditure. <i>Cell</i> , 2009 , 138, 976-89	56.2	483
154	Hippocampal memory traces are differentially modulated by experience, time, and adult neurogenesis. <i>Neuron</i> , 2014 , 83, 189-201	13.9	281
153	Shared synaptic pathophysiology in syndromic and nonsyndromic rodent models of autism. <i>Science</i> , 2012 , 338, 128-32	33.3	210
152	Cloning-free CRISPR/Cas system facilitates functional cassette knock-in in mice. <i>Genome Biology</i> , 2015 , 16, 87	18.3	197
151	Functional connectome of the striatal medium spiny neuron. <i>Journal of Neuroscience</i> , 2011 , 31, 1183-92	6.6	195
150	Transformation of Astrocytes to a Neuroprotective Phenotype by Microglia via P2Y Receptor Downregulation. <i>Cell Reports</i> , 2017 , 19, 1151-1164	10.6	161
149	Optogenetic activation of dorsal raphe serotonin neurons enhances patience for future rewards. <i>Current Biology</i> , 2014 , 24, 2033-40	6.3	159
148	A three-dimensional single-cell-resolution whole-brain atlas using CUBIC-X expansion microscopy and tissue clearing. <i>Nature Neuroscience</i> , 2018 , 21, 625-637	25.5	144
147	Optogenetic manipulation of activity and temporally controlled cell-specific ablation reveal a role for MCH neurons in sleep/wake regulation. <i>Journal of Neuroscience</i> , 2014 , 34, 6896-909	6.6	143
146	Chemical Landscape for Tissue Clearing Based on Hydrophilic Reagents. <i>Cell Reports</i> , 2018 , 24, 2196-2210	10.6	136
145	Optogenetic countering of glial acidosis suppresses glial glutamate release and ischemic brain damage. <i>Neuron</i> , 2014 , 81, 314-20	13.9	124
144	Behavioral and serotonergic consequences of decreasing or increasing hippocampus brain-derived neurotrophic factor protein levels in mice. <i>Neuropharmacology</i> , 2008 , 55, 1006-14	5.5	122
143	In vivo visualization of subtle, transient, and local activity of astrocytes using an ultrasensitive Ca(2+) indicator. <i>Cell Reports</i> , 2014 , 8, 311-8	10.6	119
142	Mitral cells in the olfactory bulb are mainly excited through a multistep signaling path. <i>Journal of Neuroscience</i> , 2012 , 32, 2964-75	6.6	115
141	5-HT1A receptors on mature dentate gyrus granule cells are critical for the antidepressant response. <i>Nature Neuroscience</i> , 2015 , 18, 1606-16	25.5	112

140	Expanding the repertoire of optogenetically targeted cells with an enhanced gene expression system. <i>Cell Reports</i> , 2012 , 2, 397-406	10.6	111
139	Application of an optogenetic byway for perturbing neuronal activity via glial photostimulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 20720-5	11.5	108
138	Ce-TZP/Al ₂ O ₃ nanocomposite as a bearing material in total joint replacement. <i>Journal of Biomedical Materials Research Part B</i> , 2002 , 63, 262-70		106
137	Genetic fate mapping of Olig2 progenitors in the injured adult cerebral cortex reveals preferential differentiation into astrocytes. <i>Journal of Neuroscience Research</i> , 2008 , 86, 3494-502	4.4	94
136	Long-lasting silencing of orexin/hypocretin neurons using archaerhodopsin induces slow-wave sleep in mice. <i>Behavioural Brain Research</i> , 2013 , 255, 64-74	3.4	89
135	Astroglial glutamate transporter deficiency increases synaptic excitability and leads to pathological repetitive behaviors in mice. <i>Neuropsychopharmacology</i> , 2015 , 40, 1569-79	8.7	89
134	Existence of functional beta1- and beta2-adrenergic receptors on microglia. <i>Journal of Neuroscience Research</i> , 2002 , 70, 232-7	4.4	83
133	Heparan Sulfate Organizes Neuronal Synapses through Neurexin Partnerships. <i>Cell</i> , 2018 , 174, 1450-1464	16.23	81
132	Flexible Accelerated STOP Tetracycline Operator-knockin (FAST): a versatile and efficient new gene modulating system. <i>Biological Psychiatry</i> , 2010 , 67, 770-3	7.9	80
131	Leptin-dependent serotonin control of appetite: temporal specificity, transcriptional regulation, and therapeutic implications. <i>Journal of Experimental Medicine</i> , 2011 , 208, 413-413	16.6	78
130	Serotonin receptor expression along the dorsal-ventral axis of mouse hippocampus. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012 , 367, 2395-401	5.8	78
129	Serum interleukin-18 levels are elevated in schizophrenia. <i>Psychiatry Research</i> , 2000 , 96, 75-80	9.9	68
128	Leptin-dependent serotonin control of appetite: temporal specificity, transcriptional regulation, and therapeutic implications. <i>Journal of Experimental Medicine</i> , 2011 , 208, 41-52	16.6	66
127	High-Speed and Scalable Whole-Brain Imaging in Rodents and Primates. <i>Neuron</i> , 2017 , 94, 1085-1100	13.9	65
126	Optogenetic activation of serotonergic neurons enhances anxiety-like behaviour in mice. <i>International Journal of Neuropsychopharmacology</i> , 2014 , 17, 1777-83	5.8	64
125	Phase stability after aging and its influence on pin-on-disk wear properties of Ce-TZP/Al ₂ O ₃ nanocomposite and conventional Y-TZP. <i>Journal of Biomedical Materials Research Part B</i> , 2003 , 67, 200-7		64
124	Distinct Circuits Underlie the Effects of 5-HT _{1B} Receptors on Aggression and Impulsivity. <i>Neuron</i> , 2015 , 86, 813-26	13.9	63
123	Adult Hippocampal Neurogenesis Modulates Fear Learning through Associative and Nonassociative Mechanisms. <i>Journal of Neuroscience</i> , 2015 , 35, 11330-45	6.6	60

122	Murine model of Alexander disease: analysis of GFAP aggregate formation and its pathological significance. <i>Glia</i> , 2007 , 55, 617-31	9	57
121	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
120	Mice with altered myelin proteolipid protein gene expression display cognitive deficits accompanied by abnormal neuron-glia interactions and decreased conduction velocities. <i>Journal of Neuroscience</i> , 2009 , 29, 8363-71	6.6	56
119	Revising polypharmacy to a single antipsychotic regimen for patients with chronic schizophrenia. <i>International Journal of Neuropsychopharmacology</i> , 2004 , 7, 133-42	5.8	56
118	Anti-Depressant Fluoxetine Reveals its Therapeutic Effect Via Astrocytes. <i>EBioMedicine</i> , 2018 , 32, 72-83	8.8	53
117	Mammalian Gcm genes induce Hes5 expression by active DNA demethylation and induce neural stem cells. <i>Nature Neuroscience</i> , 2011 , 14, 957-64	25.5	52
116	Preinspiratory calcium rise in putative pre-Botzinger complex astrocytes. <i>Journal of Physiology</i> , 2012 , 590, 4933-44	3.9	51
115	Unveiling astrocytic control of cerebral blood flow with optogenetics. <i>Scientific Reports</i> , 2015 , 5, 11455	4.9	49
114	Microglial cystatin F expression is a sensitive indicator for ongoing demyelination with concurrent remyelination. <i>Journal of Neuroscience Research</i> , 2011 , 89, 639-49	4.4	49
113	Physiological effects of a habituation procedure for functional MRI in awake mice using a cryogenic radiofrequency probe. <i>Journal of Neuroscience Methods</i> , 2016 , 274, 38-48	3	46
112	Optogenetic astrocyte activation evokes BOLD fMRI response with oxygen consumption without neuronal activity modulation. <i>Glia</i> , 2018 , 66, 2013-2023	9	44
111	Identification and characterization of differentially expressed mRNAs in HIV type 1-infected human T cells. <i>AIDS Research and Human Retroviruses</i> , 2000 , 16, 995-1005	1.6	39
110	Optogenetic activation of CA1 pyramidal neurons at the dorsal and ventral hippocampus evokes distinct brain-wide responses revealed by mouse fMRI. <i>PLoS ONE</i> , 2015 , 10, e0121417	3.7	38
109	Short-term lineage analysis of dorsally derived Olig3 cells in the developing spinal cord. <i>Developmental Dynamics</i> , 2005 , 234, 622-32	2.9	36
108	Synergistic neurochemical and behavioural effects of acute intrahippocampal injection of brain-derived neurotrophic factor and antidepressants in adult mice. <i>International Journal of Neuropsychopharmacology</i> , 2009 , 12, 905-15	5.8	35
107	Preservation of hematopoietic properties in transplanted bone marrow cells in the brain. <i>Journal of Neuroscience Research</i> , 2003 , 72, 503-7	4.4	35
106	Short- and long-term functional plasticity of white matter induced by oligodendrocyte depolarization in the hippocampus. <i>Glia</i> , 2014 , 62, 1299-312	9	34
105	Increased astrocytic ATP release results in enhanced excitability of the hippocampus. <i>Glia</i> , 2013 , 61, 210-24	9.4	34

104	Influence of inhibitory serotonergic inputs to orexin/hypocretin neurons on the diurnal rhythm of sleep and wakefulness. <i>Sleep</i> , 2013 , 36, 1391-404	1.1	33
103	An animal model for late onset chronic demyelination disease caused by failed terminal differentiation of oligodendrocytes. <i>Neuron Glia Biology</i> , 2006 , 2, 81-91		33
102	Photoactivated adenylyl cyclase (PAC) reveals novel mechanisms underlying cAMP-dependent axonal morphogenesis. <i>Scientific Reports</i> , 2016 , 5, 19679	4.9	32
101	Induced expression of cathepsins and cystatin C in a murine model of demyelination. <i>Neurochemical Research</i> , 2007 , 32, 311-20	4.6	31
100	Serotonin-mediated inhibition of ventral hippocampus is required for sustained goal-directed behavior. <i>Nature Neuroscience</i> , 2019 , 22, 770-777	25.5	30
99	Essential role of microglial transforming growth factor- β in antidepressant actions of (R)-ketamine and the novel antidepressant TGF- β . <i>Translational Psychiatry</i> , 2020 , 10, 32	8.6	30
98	Reward probability and timing uncertainty alter the effect of dorsal raphe serotonin neurons on patience. <i>Nature Communications</i> , 2018 , 9, 2048	17.4	30
97	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
96	Ectopic expression of melanopsin in orexin/hypocretin neurons enables control of wakefulness of mice in vivo by blue light. <i>Neuroscience Research</i> , 2013 , 75, 23-8	2.9	29
95	Calcium Transient Dynamics of Neural Ensembles in the Primary Motor Cortex of Naturally Behaving Monkeys. <i>Cell Reports</i> , 2018 , 24, 2191-2195.e4	10.6	28
94	YAP functions as a mechanotransducer in oligodendrocyte morphogenesis and maturation. <i>Glia</i> , 2017 , 65, 360-374	9	28
93	Neuronal Heterotopias Affect the Activities of Distant Brain Areas and Lead to Behavioral Deficits. <i>Journal of Neuroscience</i> , 2015 , 35, 12432-45	6.6	27
92	Abrogated Freud-1/Cc2d1a Repression of 5-HT1A Autoreceptors Induces Fluoxetine-Resistant Anxiety/Depression-Like Behavior. <i>Journal of Neuroscience</i> , 2017 , 37, 11967-11978	6.6	27
91	Different roles of distinct serotonergic pathways in anxiety-like behavior, antidepressant-like, and anti-impulsive effects. <i>Neuropharmacology</i> , 2020 , 167, 107703	5.5	27
90	Gene induction in mature oligodendrocytes with a PLP-tTA mouse line. <i>Genesis</i> , 2012 , 50, 424-8	1.9	26
89	Role of Purinergic Receptor P2Y1 in Spatiotemporal Ca Dynamics in Astrocytes. <i>Journal of Neuroscience</i> , 2018 , 38, 1383-1395	6.6	25
88	Reducing the dose of antipsychotic medications for those who had been treated with high-dose antipsychotic polypharmacy: an open study of dose reduction for chronic schizophrenia. <i>International Clinical Psychopharmacology</i> , 2003 , 18, 323-9	2.2	25
87	Identification of optogenetically activated striatal medium spiny neurons by Npas4 expression. <i>PLoS ONE</i> , 2012 , 7, e52783	3.7	23

86	The manipulation of neural and cellular activities by ectopic expression of melanopsin. <i>Neuroscience Research</i> , 2013 , 75, 3-5	2.9	22
85	Mitochondrial DNA Double-Strand Breaks in Oligodendrocytes Cause Demyelination, Axonal Injury, and CNS Inflammation. <i>Journal of Neuroscience</i> , 2017 , 37, 10185-10199	6.6	22
84	Organotypic tissue culture of adult rodent retina followed by particle-mediated acute gene transfer in vitro. <i>PLoS ONE</i> , 2010 , 5, e12917	3.7	22
83	Quantitative temporal changes in DTI values coupled with histological properties in cuprizone-induced demyelination and remyelination. <i>Neurochemistry International</i> , 2018 , 119, 151-158	4.4	19
82	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
81	Immune Modulation of the T Cell Response in Asthma through Wnt10b. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016 , 54, 584-93	5.7	18
80	Termination of lesion-induced plasticity in the mouse barrel cortex in the absence of oligodendrocytes. <i>Molecular and Cellular Neurosciences</i> , 2008 , 39, 40-9	4.8	18
79	Neuroprotective effects of microglial P2Y receptors against ischemic neuronal injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019 , 39, 2144-2156	7.3	18
78	Detection of a High-Turnover Serotonin Circuit in the Mouse Brain Using Mass Spectrometry Imaging. <i>iScience</i> , 2019 , 20, 359-372	6.1	17
77	Recurrent episodes of perceptual alteration in patients treated with antipsychotic agents. <i>Journal of Clinical Psychopharmacology</i> , 2003 , 23, 496-9	1.7	17
76	Serotonin hormonally regulates lacrimal gland secretory function via the serotonin type 3a receptor. <i>Scientific Reports</i> , 2017 , 7, 6965	4.9	16
75	Varying perivascular astroglial endfoot dimensions along the vascular tree maintain perivascular-interstitial flux through the cortical mantle. <i>Glia</i> , 2021 , 69, 715-728	9	16
74	The balance between cathepsin C and cystatin F controls remyelination in the brain of Plp1-overexpressing mouse, a chronic demyelinating disease model. <i>Glia</i> , 2017 , 65, 917-930	9	15
73	Aberrant astrocyte Ca signals "AxCa signals" exacerbate pathological alterations in an Alexander disease model. <i>Glia</i> , 2018 , 66, 1053-1067	9	15
72	Concentration-Dependent Dual Mode of Zn Action at Serotonin 5-HT1A Receptors: In Vitro and In Vivo Studies. <i>Molecular Neurobiology</i> , 2016 , 53, 6869-6881	6.2	15
71	Striatonigral direct pathway activation is sufficient to induce repetitive behaviors. <i>Neuroscience Research</i> , 2018 , 132, 53-57	2.9	14
70	Astrocyte-mediated infantile-onset leukoencephalopathy mouse model. <i>Glia</i> , 2017 , 65, 150-168	9	14
69	Loss of Adult 5-HT1A Autoreceptors Results in a Paradoxical Anxiogenic Response to Antidepressant Treatment. <i>Journal of Neuroscience</i> , 2019 , 39, 1334-1346	6.6	14

68	Distinct Roles of Ventromedial versus Ventrolateral Striatal Medium Spiny Neurons in Reward-Oriented Behavior. <i>Current Biology</i> , 2017 , 27, 3042-3048.e4	6.3	13
67	Identification of Lacrimal Gland Postganglionic Innervation and Its Regulation of Tear Secretion. <i>American Journal of Pathology</i> , 2020 , 190, 1068-1079	5.8	12
66	Reducing the dose of antipsychotic medications for those who had been treated with high-dose antipsychotic polypharmacy: an open study of dose reduction for chronic schizophrenia. <i>International Clinical Psychopharmacology</i> , 2003 , 18, 323-329	2.2	12
65	Behavioral and electrophysiological evidence for a neuroprotective role of aquaporin-4 in the 5xFAD transgenic mice model. <i>Acta Neuropathologica Communications</i> , 2020 , 8, 67	7.3	11
64	Olig2-lineage cells preferentially differentiate into oligodendrocytes but their processes degenerate at the chronic demyelinating stage of proteolipid protein-overexpressing mouse. <i>Journal of Neuroscience Research</i> , 2013 , 91, 178-86	4.4	11
63	Association of impaired neuronal migration with cognitive deficits in extremely preterm infants. <i>JCI Insight</i> , 2017 , 2,	9.9	11
62	Subcellular calcium dynamics during juvenile development in mouse hippocampal astrocytes. <i>European Journal of Neuroscience</i> , 2016 , 43, 923-32	3.5	11
61	Exacerbation of Epilepsy by Astrocyte Alkalinization and Gap Junction Uncoupling. <i>Journal of Neuroscience</i> , 2021 , 41, 2106-2118	6.6	11
60	Astrocytic cAMP modulates memory via synaptic plasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	10
59	Correlative study using structural MRI and super-resolution microscopy to detect structural alterations induced by long-term optogenetic stimulation of striatal medium spiny neurons. <i>Neurochemistry International</i> , 2019 , 125, 163-174	4.4	9
58	Serotonergic projections to the orbitofrontal and medial prefrontal cortices differentially modulate waiting for future rewards. <i>Science Advances</i> , 2020 , 6,	14.3	9
57	Intracellular ATP levels in mouse cortical excitatory neurons varies with sleep-wake states. <i>Communications Biology</i> , 2020 , 3, 491	6.7	8
56	Time-controllable Nkcc1 knockdown replicates reversible hearing loss in postnatal mice. <i>Scientific Reports</i> , 2017 , 7, 13605	4.9	7
55	Enriched environment alleviates stress-induced dry-eye through the BDNF axis. <i>Scientific Reports</i> , 2019 , 9, 3422	4.9	7
54	Region- and Cell Type-Specific Facilitation of Synaptic Function at Destination Synapses Induced by Oligodendrocyte Depolarization. <i>Journal of Neuroscience</i> , 2019 , 39, 4036-4050	6.6	7
53	5-HT antagonists decrease discounting rate without affecting sensitivity to reward magnitude in the delay discounting task in mice. <i>Psychopharmacology</i> , 2018 , 235, 2619-2629	4.7	6
52	Increased numbers of oligodendrocyte lineage cells in the optic nerves of cerebroside sulfotransferase knockout mice. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2011 , 87, 415-24	4	6
51	Fluoro-Jade: new fluorescent marker of Rosenthal fibers. <i>Neuroscience Letters</i> , 2006 , 407, 127-30	3.3	6

50	Genetic and environmental factors in the development of Behcet's disease. <i>Tohoku Journal of Experimental Medicine</i> , 1985 , 145, 205-13	2.4	6
49	Compartmentalized Input-Output Organization of Lugaro Cells in the Cerebellar Cortex. <i>Neuroscience</i> , 2021 , 462, 89-105	3.9	6
48	Activation of ventral CA1 hippocampal neurons projecting to the lateral septum during feeding. <i>Hippocampus</i> , 2021 , 31, 294-304	3.5	6
47	Chronic social defeat stress impairs goal-directed behavior through dysregulation of ventral hippocampal activity in male mice. <i>Neuropsychopharmacology</i> , 2021 , 46, 1606-1616	8.7	5
46	Identification of the extent of cortical spreading depression propagation by Npas4 mRNA expression. <i>Neuroscience Research</i> , 2015 , 98, 1-8	2.9	4
45	Cathepsin C modulates myelin oligodendrocyte glycoprotein-induced experimental autoimmune encephalomyelitis. <i>Journal of Neurochemistry</i> , 2019 , 148, 413-425	6	4
44	A New Paradigm for Evaluating Avoidance/Escape Motivation. <i>International Journal of Neuropsychopharmacology</i> , 2017 , 20, 593-601	5.8	3
43	App mice overall do not show impaired motivation, but core amyloid plaques in the striatum are inversely correlated with motivation. <i>Neurochemistry International</i> , 2019 , 129, 104470	4.4	3
42	Increased adenosine levels in mice expressing mutant glial fibrillary acidic protein in astrocytes result in failure of induction of LTP reversal (depotentialization) in hippocampal CA1 neurons. <i>Brain Research</i> , 2014 , 1578, 1-13	3.7	3
41	increased body weight but not food-incentive motivation in wild-type mice. <i>Nagoya Journal of Medical Science</i> , 2017 , 79, 351-362	0.7	3
40	Diffusion functional MRI reveals global brain network functional abnormalities driven by targeted local activity in a neuropsychiatric disease mouse model. <i>NeuroImage</i> , 2020 , 223, 117318	7.9	3
39	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
38	Microglial phospholipase D4 deficiency influences myelination during brain development. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2016 , 92, 237-54	4	2
37	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
36	Translational approach to apathy-like behavior in mice: From the practical point of view. <i>Psychiatry and Clinical Neurosciences</i> , 2019 , 73, 685-689	6.2	2
35	Sustained ErbB Activation Causes Demyelination and Hypomyelination by Driving Necroptosis of Mature Oligodendrocytes and Apoptosis of Oligodendrocyte Precursor Cells. <i>Journal of Neuroscience</i> , 2021 , 41, 9872-9890	6.6	2
34	A gradual backward shift of dopamine responses during associative learning		2
33	Chd8 mutation in oligodendrocytes alters microstructure and functional connectivity in the mouse brain. <i>Molecular Brain</i> , 2020 , 13, 160	4.5	2

32	Differential pial and penetrating arterial responses examined by optogenetic activation of astrocytes and neurons. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 41, 2676-2689	7.3	2
31	Optical manipulation of local cerebral blood flow in the deep brain of freely moving mice. <i>Cell Reports</i> , 2021 , 36, 109427	10.6	2
30	NO-mediated signal transmission in bladder vasculature as a therapeutic target of PDE5 inhibitors. Rodent model studies. <i>British Journal of Pharmacology</i> , 2021 , 178, 1073-1094	8.6	2
29	Global knockdown of glutamate decarboxylase 67 elicits emotional abnormality in mice. <i>Molecular Brain</i> , 2021 , 14, 5	4.5	2
28	Visualization of myelinated fiber bundles orientation during brain slice preparation by reflection polarized light microscopy. <i>Microscopy Research and Technique</i> , 2018 , 81, 1366-1373	2.8	2
27	Hearing Loss Controlled by Optogenetic Stimulation of Nonexcitable Nonglial Cells in the Cochlea of the Inner Ear. <i>Frontiers in Molecular Neuroscience</i> , 2017 , 10, 300	6.1	1
26	Observation and manipulation of glial cell function by virtue of sufficient probe expression. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 176	6.1	1
25	GFAP aggregates in the cochlear nerve increase the noise vulnerability of sensory cells in the organ of Corti in the murine model of Alexander disease. <i>Neuroscience Research</i> , 2008 , 62, 15-24	2.9	1
24	The Mlc1 Promoter Directs Müller Cell-specific Gene Expression in the Retina.. <i>Translational Vision Science and Technology</i> , 2022 , 11, 25	3.3	1
23	Dysfunction of parvalbumin-expressing cells in the thalamic reticular nucleus induces cortical spike-and-wave discharges and an unconscious state.. <i>Brain Communications</i> , 2022 , 4, fca010	4.5	1
22	Optogenetic stimulus-triggered acquisition of seizure resistance.. <i>Neurobiology of Disease</i> , 2021 , 163, 105602	7.5	1
21	Optogenetics Research Using the Mouse as a Model System 2015 , 227-237		1
20	Flexible annotation atlas of the mouse brain: combining and dividing brain structures of the Allen Brain Atlas while maintaining anatomical hierarchy		1
19	Varying perivascular astroglial endfoot dimensions along the vascular tree maintain perivascular-interstitial flux through the cortical mantle		1
18	Starburst amacrine cells amplify optogenetic visual restoration through gap junctions		1
17	Sustained ErbB activation causes demyelination and hypomyelination by driving necroptosis of mature oligodendrocytes and apoptosis of oligodendrocyte precursor cells		1
16	Flexible annotation atlas of the mouse brain: combining and dividing brain structures of the Allen Brain Atlas while maintaining anatomical hierarchy. <i>Scientific Reports</i> , 2021 , 11, 6234	4.9	1
15	Region-Specific and State-Dependent Astrocyte Ca Dynamics during the Sleep-Wake Cycle in Mice. <i>Journal of Neuroscience</i> , 2021 , 41, 5440-5452	6.6	1

14	Mechanical regulation of oligodendrocyte morphology and maturation by the mechanosensor p130Cas. <i>Journal of Neurochemistry</i> , 2019 , 150, 158-172	6	1
13	Oligodendrocytic Na-K-Cl co-transporter 1 activity facilitates axonal conduction and restores plasticity in the adult mouse brain. <i>Nature Communications</i> , 2021 , 12, 5146	17.4	1
12	Downregulation of Bdnf Expression in Adult Mice Causes Body Weight Gain.. <i>Neurochemical Research</i> , 2022 , 1	4.6	0
11	Ninjinjoeito, a traditional Japanese Kampo medicine, suppresses the onset of anhedonia induced by dysfunction in the striatal dopamine receptor type 2-expressing medium spiny neurons. <i>NeuroReport</i> , 2021 , 32, 869-874	1.7	0
10	Optogenetic activation of DRN 5-HT neurons induced active wakefulness, not quiet wakefulness. <i>Brain Research Bulletin</i> , 2021 , 177, 129-142	3.9	0
9	131. Heterotopic Hypophysial Adenoma of the Frontal Lobe. <i>Neurologia Medico-Chirurgica</i> , 1962 , 4, 238b238		
8	Distinct serotonergic systems regulate anxiety, depression, and impulsivity. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, OR6-1	0	
7	The Historical Inevitability of the Rising Optogenetics. <i>Seibutsu Butsuri</i> , 2018 , 58, 185-190	0	
6	Optogenetic regulation of astrocytes affects learning and memory. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2019 , 92, 2-YIA-01	0	
5	Optogenetic Stimulation of 5-HT Neurons in the Median Raphe Nucleus Affects Anxiety and Respiration. <i>The Showa University Journal of Medical Sciences</i> , 2019 , 31, 263-274	0.1	
4	A neuroprotective role of aquaporin-4 against other than amyloid β deposition or neuroinflammation in the 5xFAD transgenic mice model.. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2020 , 93, 2-P-195	0	
3	Mice with reduced glutamate transporter GLT1 expression exhibit behaviors related to attention-deficit/hyperactivity disorder. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 567, 161-165	3.4	
2	Prenatal valproic acid exposure-induces the hyper-NMDA receptor signaling in prefrontal cortex and autism spectrum disorder-like behaviors through hypo-signaling of 5-HT _{1A} receptor in mice.. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2022 , 95, 2-O-081	0	
1	Ratio-metric measurement of intracellular calcium in visceral muscles via selective expression of a yellowameleon calcium sensor. <i>Sensors and Actuators B: Chemical</i> , 2022 , 364, 131756	8.5	