

Masahiko Takada

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

1,668
citations

430874

18
h-index

345221

36
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65
all docs

65
docs citations

65
times ranked

1950
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid processing of threatening faces in the amygdala of nonhuman primates: subcortical inputs and dual roles. <i>Cerebral Cortex</i> , 2023, 33, 895-915.	2.9	6
2	Chronic Behavioral Manipulation via Orally Delivered Chemogenetic Actuator in Macaques. <i>Journal of Neuroscience</i> , 2022, 42, 2552-2561.	3.6	15
3	A multisynaptic pathway from the ventral midbrain toward spinal motoneurons in monkeys. <i>Journal of Physiology</i> , 2022, 600, 1731-1752.	2.9	3
4	Conservation of the Direct and Indirect Pathway Dichotomy in Mouse Caudal Striatum With Uneven Distribution of Dopamine Receptor D1- and D2-Expressing Neurons. <i>Frontiers in Neuroanatomy</i> , 2022, 16, 809446.	1.7	4
5	Perturbation of monoamine metabolism and enhanced fear responses in mice defective in the regeneration of tetrahydrobiopterin. <i>Journal of Neurochemistry</i> , 2022, . .	3.9	1
6	Origin of Multisynaptic Corticospinal Pathway to Forelimb Segments in Macaques and Its Reorganization After Spinal Cord Injury. <i>Frontiers in Neural Circuits</i> , 2022, 16, 847100.	2.8	3
7	Clastrum mediates bidirectional and reversible control of stress-induced anxiety responses. <i>Science Advances</i> , 2022, 8, eabi6375.	10.3	27
8	Nonhuman Primate Optogenetics: Current Status and Future Prospects. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1293, 345-358.	1.6	4
9	Morphological features of large layer V pyramidal neurons in cortical motor-related areas of macaque monkeys: analysis of basal dendrites. <i>Scientific Reports</i> , 2021, 11, 4171.	3.3	5
10	Effects of Optogenetic Suppression of Cortical Input on Primate Thalamic Neuronal Activity during Goal-Directed Behavior. <i>ENeuro</i> , 2021, 8, ENEURO.0511-20.2021.	1.9	3
11	Chemogenetic dissection of the primate prefronto-subcortical pathways for working memory and decision-making. <i>Science Advances</i> , 2021, 7, .	10.3	38
12	An enhanced therapeutic effect of repetitive transcranial magnetic stimulation combined with antibody treatment in a primate model of spinal cord injury. <i>PLoS ONE</i> , 2021, 16, e0252023.	2.5	3
13	Single caudate neurons encode temporally discounted value for formulating motivation for action. <i>ELife</i> , 2021, 10, .	6.0	12
14	Retrograde Transgene Expression via Neuron-Specific Lentiviral Vector Depends on Both Species and Input Projections. <i>Viruses</i> , 2021, 13, 1387.	3.3	2
15	Altered Dynamic Information Flow through the Cortico-Basal Ganglia Pathways Mediates Parkinson's Disease Symptoms. <i>Cerebral Cortex</i> , 2021, 31, 5363-5380.	2.9	16
16	Microendoscopic calcium imaging of the primary visual cortex of behaving macaques. <i>Scientific Reports</i> , 2021, 11, 17021.	3.3	5
17	Chemogenetic activation of nigrostriatal dopamine neurons in freely moving common marmosets. <i>IScience</i> , 2021, 24, 103066.	4.1	21
18	Specific gene expression in unmyelinated dorsal root ganglion neurons in nonhuman primates by intra-nerve injection of AAV 6 vector. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 23, 11-22.	4.1	8

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19	Chemogenetic sensory fMRI reveals behaviorally relevant bidirectional changes in primate somatosensory network. <i>Neuron</i> , 2021, 109, 3312-3322.e5.	8.1	19
20	Laminar Organization of the Entorhinal Cortex in Macaque Monkeys Based on Cell-Type-Specific Markers and Connectivity. <i>Frontiers in Neural Circuits</i> , 2021, 15, 790116.	2.8	8
21	An Open Resource for Non-human Primate Optogenetics. <i>Neuron</i> , 2020, 108, 1075-1090.e6.	8.1	79
22	Primate Amygdalo-Nigral Pathway for Boosting Oculomotor Action in Motivating Situations. <i>IScience</i> , 2020, 23, 101194.	4.1	20
23	Olig2-Induced Semaphorin Expression Drives Corticospinal Axon Retraction After Spinal Cord Injury. <i>Cerebral Cortex</i> , 2020, 30, 5702-5716.	2.9	17
24	Deschloroclozapine, a potent and selective chemogenetic actuator enables rapid neuronal and behavioral modulations in mice and monkeys. <i>Nature Neuroscience</i> , 2020, 23, 1157-1167.	14.8	187
25	Optogenetic manipulation of a value-coding pathway from the primate caudate tail facilitates saccadic gaze shift. <i>Nature Communications</i> , 2020, 11, 1876.	12.8	27
26	MacaquePose: A Novel "In the Wild" Macaque Monkey Pose Dataset for Markerless Motion Capture. <i>Frontiers in Behavioral Neuroscience</i> , 2020, 14, 581154.	2.0	46
27	Optogenetic recruitment of spinal reflex pathways from large-diameter primary afferents in non-transgenic rats transduced with AAV9/Channelrhodopsin 2. <i>Journal of Physiology</i> , 2019, 597, 5025-5040.	2.9	11
28	Oral splint ameliorates tic symptoms in patients with tourette syndrome. <i>Movement Disorders</i> , 2019, 34, 1577-1578.	3.9	7
29	A note on retrograde gene transfer efficiency and inflammatory response of lentiviral vectors pseudotyped with FuG-E vs. FuG-B2 glycoproteins. <i>Scientific Reports</i> , 2019, 9, 3567.	3.3	12
30	Store-Operated Calcium Channels Are Involved in Spontaneous Slow Calcium Oscillations in Striatal Neurons. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 547.	3.7	5
31	Layer specificity of inputs from supplementary motor area and dorsal premotor cortex to primary motor cortex in macaque monkeys. <i>Scientific Reports</i> , 2019, 9, 18230.	3.3	19
32	Recruitment of calbindin into nigral dopamine neurons protects against MPTP-induced parkinsonism. <i>Movement Disorders</i> , 2019, 34, 200-209.	3.9	17
33	Enhancement of the transduction efficiency of a lentiviral vector for neuron-specific retrograde gene delivery through the point mutation of fusion glycoprotein type E. <i>Journal of Neuroscience Methods</i> , 2019, 311, 147-155.	2.5	11
34	Treatment With the Neutralizing Antibody Against Repulsive Guidance Molecule-a Promotes Recovery From Impaired Manual Dexterity in a Primate Model of Spinal Cord Injury. <i>Cerebral Cortex</i> , 2019, 29, 561-572.	2.9	39
35	Preferential Representation of Past Outcome Information and Future Choice Behavior by Putative Inhibitory Interneurons Rather Than Putative Pyramidal Neurons in the Primate Dorsal Anterior Cingulate Cortex. <i>Cerebral Cortex</i> , 2019, 29, 2339-2352.	2.9	10
36	Alterations in the reduced pteridine contents in the cerebrospinal fluids of LRRK2 mutation carriers and patients with Parkinson's disease. <i>Journal of Neural Transmission</i> , 2018, 125, 45-52.	2.8	11

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37	Primate Nigrostriatal Dopamine System Regulates Saccadic Response Inhibition. <i>Neuron</i> , 2018, 100, 1513-1526.e4.	8.1	28
38	Causal Role of Neural Signals Transmitted From the Frontal Eye Field to the Superior Colliculus in Saccade Generation. <i>Frontiers in Neural Circuits</i> , 2018, 12, 69.	2.8	17
39	Multisynaptic Projections from the Amygdala to the Ventral Premotor Cortex in Macaque Monkeys: Anatomical Substrate for Feeding Behavior. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 3.	1.7	6
40	Promoting functional recovery by inhibition of repulsive guidance molecule-a after spinal cord injury. <i>Neural Regeneration Research</i> , 2018, 13, 981.	3.0	2
41	The use of an optimized chimeric envelope glycoprotein enhances the efficiency of retrograde gene transfer of a pseudotyped lentiviral vector in the primate brain. <i>Neuroscience Research</i> , 2017, 120, 45-52.	1.9	20
42	High-Speed and Scalable Whole-Brain Imaging in Rodents and Primates. <i>Neuron</i> , 2017, 94, 1085-1100.e6.	8.1	108
43	Using a novel PV-Cre rat model to characterize pallidonigral cells and their terminations. <i>Brain Structure and Function</i> , 2017, 222, 2359-2378.	2.3	25
44	Visuomotor signals for reaching movements in the rostrocaudal sector of the monkey thalamic reticular nucleus. <i>European Journal of Neuroscience</i> , 2017, 45, 1186-1199.	2.6	4
45	Pseudotyped Lentiviral Vectors for Retrograde Gene Delivery into Target Brain Regions. <i>Frontiers in Neuroanatomy</i> , 2017, 11, 65.	1.7	19
46	Origins of multisynaptic projections from the basal ganglia to the forelimb region of the ventral premotor cortex in macaque monkeys. <i>European Journal of Neuroscience</i> , 2016, 43, 258-269.	2.6	53
47	PET imaging-guided chemogenetic silencing reveals a critical role of primate rostromedial caudate in reward evaluation. <i>Nature Communications</i> , 2016, 7, 13605.	12.8	96
48	A Primary Role for Nucleus Accumbens and Related Limbic Network in Vocal Tics. <i>Neuron</i> , 2016, 89, 300-307.	8.1	64
49	Altering Entry Site Preference of Lentiviral Vectors into Neuronal Cells by Pseudotyping with Envelope Glycoproteins. <i>Methods in Molecular Biology</i> , 2016, 1382, 175-186.	0.9	22
50	Propagated but Topologically Distributed Forebrain Neurons Expressing Alpha-Synuclein in Aged Macaques. <i>PLoS ONE</i> , 2016, 11, e0166861.	2.5	7
51	Reorganization of corticospinal tract fibers after spinal cord injury in adult macaques. <i>Scientific Reports</i> , 2015, 5, 11986.	3.3	28
52	Neuronal and behavioural modulations by pathway-selective optogenetic stimulation of the primate oculomotor system. <i>Nature Communications</i> , 2015, 6, 8378.	12.8	78
53	Roles of the Lateral Habenula and Anterior Cingulate Cortex in Negative Outcome Monitoring and Behavioral Adjustment in Nonhuman Primates. <i>Neuron</i> , 2015, 88, 792-804.	8.1	85
54	Sporadic Premature Aging in a Japanese Monkey: A Primate Model for Progeria. <i>PLoS ONE</i> , 2014, 9, e111867.	2.5	8

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55	Developmental Anatomy in the Zonular Connection with Lens Capsule in Macaque Eye. <i>Anatomical Record</i> , 2013, 296, C1-C1.	1.4	0
56	Elucidating information processing in primate basal ganglia circuitry: a novel technique for pathway-selective ablation mediated by immunotoxin. <i>Frontiers in Neural Circuits</i> , 2013, 7, 140.	2.8	11
57	Neuron-Specific Gene Transfer Through Retrograde Transport of Lentiviral Vector Pseudotyped with a Novel Type of Fusion Envelope Glycoprotein. <i>Human Gene Therapy</i> , 2011, 22, 1511-1523.	2.7	66
58	A Lentiviral Strategy for Highly Efficient Retrograde Gene Transfer by Pseudotyping with Fusion Envelope Glycoprotein. <i>Human Gene Therapy</i> , 2011, 22, 197-206.	2.7	132
59	Efficient Gene Transfer via Retrograde Transport in Rodent and Primate Brains Using a Human Immunodeficiency Virus Type 1-Based Vector Pseudotyped with Rabies Virus Glycoprotein. <i>Human Gene Therapy</i> , 2007, 18, 1141-1152.	2.7	66