

Masaki Tanaka

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,766
citations

279798

23
h-index

302126

39
g-index

56
all docs

56
docs citations

56
times ranked

1341
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of the gain of visually guided smooth-pursuit eye movements by frontal cortex. <i>Nature</i> , 2001, 409, 191-194.	27.8	157
2	Neuronal Responses Related to Smooth Pursuit Eye Movements in the Periarculate Cortical Area of Monkeys. <i>Journal of Neurophysiology</i> , 1998, 80, 28-47.	1.8	140
3	Consensus Paper: Experimental Neurostimulation of the Cerebellum. <i>Cerebellum</i> , 2019, 18, 1064-1097.	2.5	120
4	Cognitive Signals in the Primate Motor Thalamus Predict Saccade Timing. <i>Journal of Neuroscience</i> , 2007, 27, 12109-12118.	3.6	91
5	Involvement of the Central Thalamus in the Control of Smooth Pursuit Eye Movements. <i>Journal of Neuroscience</i> , 2005, 25, 5866-5876.	3.6	89
6	Role of Arcuate Frontal Cortex of Monkeys in Smooth Pursuit Eye Movements. I. Basic Response Properties to Retinal Image Motion and Position. <i>Journal of Neurophysiology</i> , 2002, 87, 2684-2699.	1.8	80
7	Enhancement of Multiple Components of Pursuit Eye Movement by Microstimulation in the Arcuate Frontal Pursuit Area in Monkeys. <i>Journal of Neurophysiology</i> , 2002, 87, 802-818.	1.8	75
8	Cerebellar Roles in Self-Timing for Sub- and Supra-Second Intervals. <i>Journal of Neuroscience</i> , 2017, 37, 3511-3522.	3.6	62
9	Temporally Specific Sensory Signals for the Detection of Stimulus Omission in the Primate Deep Cerebellar Nuclei. <i>Journal of Neuroscience</i> , 2013, 33, 15432-15441.	3.6	59
10	Different contributions of preparatory activity in the basal ganglia and cerebellum for self-timing. <i>ELife</i> , 2018, 7, .	6.0	58
11	Roles of the Primate Motor Thalamus in the Generation of Antisaccades. <i>Journal of Neuroscience</i> , 2010, 30, 5108-5117.	3.6	55
12	Enhanced Modulation of Neuronal Activity during Antisaccades in the Primate Globus Pallidus. <i>Cerebral Cortex</i> , 2009, 19, 206-217.	2.9	52
13	Adaptive changes in human smooth pursuit eye movement. <i>Neuroscience Research</i> , 1996, 25, 391-398.	1.9	51
14	Inactivation of the central thalamus delays self-timed saccades. <i>Nature Neuroscience</i> , 2006, 9, 20-22.	14.8	45
15	Predictive and tempo-flexible synchronization to a visual metronome in monkeys. <i>Scientific Reports</i> , 2017, 7, 6127.	3.3	44
16	Latency of saccades during smooth-pursuit eye movement in man. <i>Experimental Brain Research</i> , 1998, 121, 92-98.	1.5	43
17	Contribution of the central thalamus to the generation of volitional saccades. <i>European Journal of Neuroscience</i> , 2011, 33, 2046-2057.	2.6	41
18	Spatiotemporal Properties of Eye Position Signals in the Primate Central Thalamus. <i>Cerebral Cortex</i> , 2007, 17, 1504-1515.	2.9	40

#	ARTICLE	IF	CITATIONS
19	Roles of the Cerebellum in Motor Preparation and Prediction of Timing. <i>Neuroscience</i> , 2021, 462, 220-234.	2.3	33
20	Role of Arcuate Frontal Cortex of Monkeys in Smooth Pursuit Eye Movements. II. Relation to Vector Averaging Pursuit. <i>Journal of Neurophysiology</i> , 2002, 87, 2700-2714.	1.8	30
21	Contribution of Signals Downstream From Adaptation to Saccade Programming. <i>Journal of Neurophysiology</i> , 2003, 90, 2080-2086.	1.8	30
22	Correlation between Pupil Size and Subjective Passage of Time in Non-Human Primates. <i>Journal of Neuroscience</i> , 2016, 36, 11331-11337.	3.6	30
23	Alteration of the timing of self-initiated but not reactive saccades by electrical stimulation in the supplementary eye field. <i>European Journal of Neuroscience</i> , 2012, 36, 3258-3268.	2.6	28
24	Simple-spike activity of floccular Purkinje cells responding to sinusoidal vertical rotation and optokinetic stimuli in alert cats. <i>Neuroscience Research</i> , 1996, 24, 275-289.	1.9	26
25	Neuronal activity in the primate globus pallidus during smooth pursuit eye movements. <i>NeuroReport</i> , 2009, 20, 121-125.	1.2	26
26	Different Neuronal Computations of Spatial Working Memory for Multiple Locations within versus across Visual Hemifields. <i>Journal of Neuroscience</i> , 2014, 34, 5621-5626.	3.6	24
27	Implications of Lateral Cerebellum in Proactive Control of Saccades. <i>Journal of Neuroscience</i> , 2016, 36, 7066-7074.	3.6	24
28	Two Types of Neurons in the Primate Globus Pallidus External Segment Play Distinct Roles in Antisaccade Generation. <i>Cerebral Cortex</i> , 2016, 26, 1187-1199.	2.9	21
29	Entrained neuronal activity to periodic visual stimuli in the primate striatum compared with the cerebellum. <i>ELife</i> , 2019, 8, .	6.0	20
30	Context-Dependent Smooth Eye Movements Evoked by Stationary Visual Stimuli in Trained Monkeys. <i>Journal of Neurophysiology</i> , 2000, 84, 1748-1762.	1.8	19
31	Striatal dopamine modulates timing of self-initiated saccades. <i>Neuroscience</i> , 2016, 337, 131-142.	2.3	16
32	Neuronal Correlates of Multiple Top-Down Signals during Covert Tracking of Moving Objects in Macaque Prefrontal Cortex. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 2043-2056.	2.3	13
33	Facilitation of temporal prediction by electrical stimulation to the primate cerebellar nuclei. <i>Neuroscience</i> , 2017, 346, 190-196.	2.3	12
34	Two different mechanisms for the detection of stimulus omission. <i>Scientific Reports</i> , 2016, 6, 20615.	3.3	11
35	Causal Role of Noradrenaline in the Timing of Internally Generated Saccades in Monkeys. <i>Neuroscience</i> , 2017, 366, 15-22.	2.3	11
36	Neural oscillations in the primate caudate nucleus correlate with different preparatory states for temporal production. <i>Communications Biology</i> , 2019, 2, 102.	4.4	10

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37	Temporal Generalization of Synchronized Saccades Beyond the Trained Range in Monkeys. <i>Frontiers in Psychology</i> , 2018, 9, 2172.	2.1	9
38	Temporal Prediction Signals for Periodic Sensory Events in the Primate Central Thalamus. <i>Journal of Neuroscience</i> , 2021, 41, 1917-1927.	3.6	9
39	Neural signals regulating motor synchronization in the primate deep cerebellar nuclei. <i>Nature Communications</i> , 2022, 13, 2504.	12.8	8
40	Application of radiosurgical techniques to produce a primate model of brain lesions. <i>Frontiers in Systems Neuroscience</i> , 2015, 9, 67.	2.5	7
41	Thalamic roles in eye movements. , 2011, , .		7
42	Differential Neuronal Representation of Spatial Attention Dependent on Relative Target Locations during Multiple Object Tracking. <i>Journal of Neuroscience</i> , 2014, 34, 9963-9969.	3.6	6
43	Ketamine-Induced Alteration of Working Memory Utility during Oculomotor Foraging Task in Monkeys. <i>ENeuro</i> , 2021, 8, ENEURO.0403-20.2021.	1.9	6
44	Slow eye movement evoked by sudden appearance of a stationary visual stimulus observed in a step-ramp smooth pursuit task in monkey. <i>Neuroscience Research</i> , 1997, 29, 93-98.	1.9	5
45	Effects of eye position on estimates of eye displacement for spatial updating. <i>NeuroReport</i> , 2005, 16, 1261-1265.	1.2	5
46	Spatial and temporal adaptation of predictive saccades based on motion inference. <i>Scientific Reports</i> , 2020, 10, 5280.	3.3	3
47	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
48	Spontaneous grouping of saccade timing in the presence of task-irrelevant objects. <i>PLoS ONE</i> , 2021, 16, e0248530.	2.5	3
49	1602 Discharge characteristics of pursuit cells in monkey frontal eye field. <i>Neuroscience Research</i> , 1996, 25, S170.	1.9	2
50	Manipulation of Object Choice by Electrical Microstimulation in Macaque Frontal Eye Fields. <i>Cerebral Cortex</i> , 2014, 24, 1493-1501.	2.9	2
51	Nicotine promotes the utility of short-term memory during visual search in macaque monkeys. <i>Psychopharmacology</i> , 2022, 239, 3019-3029.	3.1	2
52	Retrospective and prospective information coding by different neurons in the prefrontal cortex. <i>NeuroReport</i> , 2013, 24, 73-78.	1.2	1
53	Effects of GABAergic and Glutamatergic Inputs on Temporal Prediction Signals in the Primate Cerebellar Nucleus. <i>Neuroscience</i> , 2022, 482, 161-171.	2.3	1