

Akira Murata

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

5,488
citations

430874

18
h-index

552781

26
g-index

31
all docs

31
docs citations

31
times ranked

2624
citing authors

#	ARTICLE	IF	CITATIONS
1	Selectivity for the Shape, Size, and Orientation of Objects for Grasping in Neurons of Monkey Parietal Area AIP. <i>Journal of Neurophysiology</i> , 2000, 83, 2580-2601.	1.8	775
2	Neural Mechanisms of Visual Guidance of Hand Action in the Parietal Cortex of the Monkey. <i>Cerebral Cortex</i> , 1995, 5, 429-438.	2.9	675
3	Object Representation in the Ventral Premotor Cortex (Area F5) of the Monkey. <i>Journal of Neurophysiology</i> , 1997, 78, 2226-2230.	1.8	646
4	Parietal cortex neurons of the monkey related to the visual guidance of hand movement. <i>Experimental Brain Research</i> , 1990, 83, 29-36.	1.5	552
5	The TINS Lecture The parietal association cortex in depth perception and visual control of hand action. <i>Trends in Neurosciences</i> , 1997, 20, 350-357.	8.6	467
6	Cortical Connections of the Macaque Anterior Intraparietal (AIP) Area. <i>Cerebral Cortex</i> , 2008, 18, 1094-1111.	2.9	390
7	Largely segregated parietofrontal connections linking rostral intraparietal cortex (areas AIP and VIP) and the ventral premotor cortex (areas F5 and F4). <i>Experimental Brain Research</i> , 1999, 128, 181-187.	1.5	331
8	Deficit of hand preshaping after muscimol injection in monkey parietal cortex. <i>NeuroReport</i> , 1994, 5, 1525-1529.	1.2	330
9	Functional Properties of Grasping-Related Neurons in the Ventral Premotor Area F5 of the Macaque Monkey. <i>Journal of Neurophysiology</i> , 2006, 95, 709-729.	1.8	310
10	Parietal neurons related to memory-guided hand manipulation. <i>Journal of Neurophysiology</i> , 1996, 75, 2180-2186.	1.8	294
11	Shared Mapping of Own and Others' Bodies in Visuotactile Bimodal Area of Monkey Parietal Cortex. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 83-96.	2.3	150
12	Neural coding of 3D features of objects for hand action in the parietal cortex of the monkey. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1998, 353, 1363-1373.	4.0	138
13	Ipsilateral connections of the anterior cingulate cortex with the frontal and medial temporal cortices in the macaque monkey. <i>Neuroscience Research</i> , 1994, 21, 19-39.	1.9	85
14	Neural representation of three-dimensional features of manipulation objects with stereopsis. <i>Experimental Brain Research</i> , 1999, 128, 160-169.	1.5	85
15	Functional Properties of Parietal Hand Manipulation-related Neurons and Mirror Neurons Responding to Vision of Own Hand Action. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 560-572.	2.3	56
16	Natural imitation induced by joint attention in Japanese monkeys. <i>International Journal of Psychophysiology</i> , 2003, 50, 81-99.	1.0	50
17	Decoding the activity of grasping neurons recorded from the ventral premotor area F5 of the macaque monkey. <i>Neuroscience</i> , 2011, 188, 80-94.	2.3	48
18	The body and objects represented in the ventral stream of the parieto-premotor network. <i>Neuroscience Research</i> , 2016, 104, 4-15.	1.9	35

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19	Representation of Bodily Self in the Multimodal Parieto-Premotor Network. , 2007, , 151-176.		18
20	Locomotor kinematics and EMG activity during quadrupedal versus bipedal gait in the Japanese macaque. Journal of Neurophysiology, 2019, 122, 398-412.	1.8	16
21	Time Course of Information Representation of Macaque AIP Neurons in Hand Manipulation Task Revealed by Information Analysis. Journal of Neurophysiology, 2010, 104, 3625-3643.	1.8	12
22	Continuous decoding of grasping tasks for a prospective implantable cortical neuroprosthesis. Journal of NeuroEngineering and Rehabilitation, 2012, 9, 84.	4.6	9
23	Body representation in the brain. Neuroscience Research, 2016, 104, 1-3.	1.9	8
24	Visual Properties of Hand-manipulation-related Neurons in Macaque Monkey.. The Japanese Journal of Rehabilitation Medicine, 1998, 35, 926-935.	0.1	3
25	Function of Mirror Neurons Originated from Motor Control System. The Brain & Neural Networks, 2005, 12, 52-60.	0.1	3
26	æːjã€łãˆç¥žçµŒãˆžèˆ-ãˆ†ãˆ»-ãˆŒãˆŒãˆŸ. Journal of the Society of Biomechanisms, 2005, 29, 14-19.	0.0	1
27	Acceleration. , 2008, , 4-4.		0
28	The concept of mobiligence and its future. , 2012, , .		0
29	Body schema as a link between motor control and cognitive function. , 2012, , .		0
30	Visual Space Representation for Action. , 2009, , 4337-4342.		0