

Ichiro Takashima

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Amygdala Input Promotes Spread of Excitatory Neural Activity From Perirhinal Cortex to the Entorhinalâ€“Hippocampal Circuit. <i>Journal of Neurophysiology</i> , 2003, 89, 2176-2184.	0.9	85
2	Voltage-sensitive dye versus intrinsic signal optical imaging: comparison of optically determined functional maps from rat barrel cortex. <i>NeuroReport</i> , 2001, 12, 2889-2894.	0.6	54
3	A transparent epidural electrode array for use in conjunction with optical imaging. <i>Journal of Neuroscience Methods</i> , 2015, 251, 130-137.	1.3	49
4	Voltage-Sensitive Dye Imaging of Primary Motor Cortex Activity Produced by Ventral Tegmental Area Stimulation. <i>Journal of Neuroscience</i> , 2014, 34, 8894-8903.	1.7	43
5	High-speed CCD imaging system for monitoring neural activity in vivo and in vitro, using a voltage-sensitive dye. <i>Journal of Neuroscience Methods</i> , 1999, 91, 147-159.	1.3	41
6	Olfactory input to the parahippocampal region of the isolated guinea pig brain reveals weak entorhinal-to-perirhinal interactions. <i>European Journal of Neuroscience</i> , 2003, 18, 95-101.	1.2	39
7	Optical recording of cortical activity after in vitro perfusion of cerebral arteries with a voltage-sensitive dye. <i>Brain Research</i> , 1999, 837, 314-319.	1.1	35
8	Olfactory information converges in the amygdaloid cortex via the piriform and entorhinal cortices: observations in the guinea pig isolated whole-brain preparation. <i>European Journal of Neuroscience</i> , 2007, 25, 3648-3658.	1.2	30
9	Characterization and Cellular Internalization of Spherical Cellulose Nanocrystals (CNC) into Normal and Cancerous Fibroblasts. <i>Materials</i> , 2019, 12, 3251.	1.3	30
10	Pallidal activity is involved in visuomotor association learning in monkeys. <i>European Journal of Neuroscience</i> , 2001, 14, 897-901.	1.2	27
11	High-order motor cortex in rats receives somatosensory inputs from the primary motor cortex via cortico-cortical pathways. <i>European Journal of Neuroscience</i> , 2016, 44, 2925-2934.	1.2	22
12	Architecture of odor information processing in the olfactory system. <i>Anatomical Science International</i> , 2008, 83, 195-206.	0.5	21
13	Late-onset hypersensitivity after a lesion in the ventral posterolateral nucleus of the thalamus: A macaque model of central post-stroke pain. <i>Scientific Reports</i> , 2017, 7, 10316.	1.6	20
14	Optical Recording Study of Granule Cell Activities in the Hippocampal Dentate Gyrus of Kainate-Treated Rats. <i>Journal of Neurophysiology</i> , 2000, 83, 2421-2430.	0.9	17
15	Differential Expression of Secreted Phosphoprotein 1 in the Motor Cortex among Primate Species and during Postnatal Development and Functional Recovery. <i>PLoS ONE</i> , 2013, 8, e65701.	1.1	17
16	Voltage-sensitive dye imaging of intervibrissal fur-evoked activity in the rat somatosensory cortex. <i>Neuroscience Letters</i> , 2005, 381, 258-263.	1.0	14
17	Evaluation of acute anodal direct current stimulation-induced effects on somatosensory-evoked responses in the rat. <i>Brain Research</i> , 2019, 1720, 146318.	1.1	13
18	Neuronal and microglial localization of secreted phosphoprotein 1 (osteopontin) in intact and damaged motor cortex of macaques. <i>Brain Research</i> , 2019, 1714, 52-64.	1.1	13

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19	Optical imaging of rat prefrontal neuronal activity evoked by stimulation of the ventral tegmental area. <i>NeuroReport</i> , 2009, 20, 875-880.	0.6	11
20	A novel method for quantifying similarities between oscillatory neural responses in wavelet time-frequency power profiles. <i>Brain Research</i> , 2016, 1636, 107-117.	1.1	10
21	Topographical projections from the nucleus basalis magnocellularis (Meynert) to the frontal cortex: A voltage-sensitive dye imaging study in rats. <i>Brain Stimulation</i> , 2017, 10, 977-980.	0.7	10
22	Impairment of the discrimination of the direction of single-whisker stimulation induced by the lemniscal pathway lesion. <i>Neuroscience Research</i> , 2007, 57, 579-586.	1.0	9
23	Brain Temperature Alters Contributions of Excitatory and Inhibitory Inputs to Evoked Field Potentials in the Rat Frontal Cortex. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 593027.	1.8	9
24	An Implantable Cranial Window Using a Collagen Membrane for Chronic Voltage-Sensitive Dye Imaging. <i>Micromachines</i> , 2019, 10, 789.	1.4	8
25	The ventral tegmental area modulates intracortical microstimulation (ICMS)-evoked M1 activity in a time-dependent manner. <i>Neuroscience Letters</i> , 2016, 616, 38-42.	1.0	5
26	Focal brain lesions induced with ultraviolet irradiation. <i>Scientific Reports</i> , 2018, 8, 7968.	1.6	4
27	Time- and area-dependent macrophage/microglial responses after focal infarction of the macaque internal capsule. <i>Neuroscience Research</i> , 2020, 170, 350-359.	1.0	4
28	Pharmacological inactivation of the primate posterior insular/secondary somatosensory cortices attenuates thermal hyperalgesia. <i>European Journal of Pain</i> , 2022, 26, 1723-1731.	1.4	4
29	Decoding the timing and target locations of saccadic eye movements from neuronal activity in macaque oculomotor areas. <i>Journal of Neural Engineering</i> , 2015, 12, 036014.	1.8	3
30	Lesions of the nucleus basalis magnocellularis (Meynert) induce enhanced somatosensory responses and tactile hypersensitivity in rats. <i>Experimental Neurology</i> , 2021, 335, 113493.	2.0	3
31	Cue familiarity is represented in monkey medial prefrontal cortex during visuomotor association learning. <i>Experimental Brain Research</i> , 2006, 168, 281-286.	0.7	2
32	Blood-brain barrier derangement after electrical brain stimulation. <i>Journal of Neurology and Neuromedicine</i> , 2017, 2, 1-5.	0.9	2
33	An expanded spanning-tree protocol for home-oriented network management. <i>IEEE Transactions on Consumer Electronics</i> , 1991, 37, 379-387.	3.0	1
34	<title>High-speed videography system using a pair of imagers for biological applications</title>. , 2001, 4183, 969.		1
35	Early exposure to urethane anesthesia: Effects on neuronal activity in the piriform cortex of the developing brain. <i>Neuroscience Letters</i> , 2015, 600, 121-126.	1.0	1
36	Cortical direct current stimulation improves signal transmission between the motor cortices of rats. <i>Neuroscience Letters</i> , 2021, 741, 135492.	1.0	1

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37	<title>High-speed high-resolution epifluorescence imaging system using CCD sensor and digital storage for neurobiological research</title>. , 2001, , .		0
38	Stable recording of stimulus-evoked field potentials in the anesthetized rat. Neuroscience Research, 2009, 65, S230.	1.0	0
39	A comparative analysis of results from intracortical microstimulation and single-unit recording in the primary motor cortex. Neuroscience Research, 2011, 71, e364-e365.	1.0	0
40	Voltage-Sensitive Dye versus Intrinsic Signal Optical Imaging: Comparison of Tactile Responses in Primary and Secondary Somatosensory Cortices of Rats. Brain Sciences, 2021, 11, 1294.	1.1	0
41	Image Sensing Technology. Membrane Potential Microscope for Functional Brain Imaging.. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2002, 56, 476-481.	0.0	0