

Akira Matsushita

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

573
citations

759233

12
h-index

642732

23
g-index

33
all docs

33
docs citations

33
times ranked

1063
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid stimulation of human dentate gyrus function with acute mild exercise. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10487-10492.	7.1	118
2	Effects of a Low-Volume Aerobic-Type Interval Exercise on $\dot{V}E^{\text{TM}}\text{O}_2\text{max}$ and Cardiac Mass. Medicine and Science in Sports and Exercise, 2014, 46, 42-50.	0.4	95
3	Low-volume, high-intensity, aerobic interval exercise for sedentary adults: $\dot{V}E^{\text{TM}}\text{O}_2\text{max}$, cardiac mass, and heart rate recovery. European Journal of Applied Physiology, 2014, 114, 1963-1972.	2.5	49
4	Evaluation of ventriculomegaly using diffusion tensor imaging: correlations with chronic hydrocephalus and atrophy. Journal of Neurosurgery, 2010, 112, 832-839.	1.6	40
5	Long-term outcome of patients with intracranial germinoma. Journal of Neuro-Oncology, 2007, 83, 71-79.	2.9	35
6	A 3D nanofibrous hydrogel and collagen sponge scaffold promotes locomotor functional recovery, spinal repair, and neuronal regeneration after complete transection of the spinal cord in adult rats. Biomedical Materials (Bristol), 2015, 10, 015008.	3.3	29
7	The voluntary driven exoskeleton Hybrid Assistive Limb (HAL) for postoperative training of thoracic ossification of the posterior longitudinal ligament: a case report. Journal of Spinal Cord Medicine, 2017, 40, 361-367.	1.4	29
8	Mild Encephalitis/Encephalopathy With a Reversible Splenial Lesion: Evaluation by Diffusion Tensor Imaging -Three Case Reports-. Neurologia Medico-Chirurgica, 2010, 50, 1118-1122.	2.2	24
9	White matter diffusion abnormalities in migraine and medication overuse headache: A 1.5-T tract-based spatial statistics study. Clinical Neurology and Neurosurgery, 2018, 174, 167-173.	1.4	22
10	Elevated diffusion anisotropy in gray matter and the degree of brain compression. Journal of Neurosurgery, 2012, 117, 363-371.	1.6	19
11	Active elbow flexion is possible in C4 quadriplegia using hybrid assistive limb (HAL [®]) technology: A case study. Journal of Spinal Cord Medicine, 2017, 40, 456-462.	1.4	18
12	Persistent primitive otic artery with IC-cavernous aneurysm. Journal of Clinical Neuroscience, 2003, 10, 113-115.	1.5	16
13	Variability in amplitude and stimulation threshold values in motor evoked potential (MEP) monitoring during the resection of brain lesions. Clinical Neurophysiology, 2015, 126, 1271-1278.	1.5	12
14	Clinical Effect of C2 Peripheral Nerve Field Stimulation Using Electroacupuncture for Primary Headache. Neuromodulation, 2018, 21, 793-796.	0.8	10
15	A brain phantom for motion-corrected PROPELLER showing image contrast and construction similar to those of in vivo MRI. Magnetic Resonance Imaging, 2017, 36, 32-39.	1.8	8
16	The Modifying of Functional Connectivity Induced by Peripheral Nerve Field Stimulation Using Electroacupuncture for Migraine: A Prospective Clinical Study. Pain Medicine, 2022, 23, 1560-1569.	1.9	8
17	Language Areas Involving the Inferior Temporal Cortex on Intraoperative Mapping in a Bilingual Patient With Glioblastoma. Neurologia Medico-Chirurgica, 2013, 53, 256-258.	2.2	6
18	Diffusion Tensor Imaging in Patients With Adult Chronic Idiopathic Hydrocephalus. Neurosurgery, 2010, 67, E1474-E1474.	1.1	5

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19	Reply to Gronwald et al.: Exercise intensity does indeed matter; maximal oxygen uptake is the gold-standard indicator. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11892-E11893.	7.1	5
20	Towards a guideline for clinical trials in the development of human assistive robots. , 2010, , .		4
21	Muscle activity during gait-like motion provided by MRI compatible lower-extremity motion simulator. Advanced Robotics, 2016, 30, 459-475.	1.8	4
22	Voluntary ambulation using voluntary upper limb muscle activity and Hybrid Assistive Limb [®] (HAL [®]) in a patient with complete paraplegia due to chronic spinal cord injury: A case report. Journal of Spinal Cord Medicine, 2019, 42, 460-468.	1.4	4
23	Pilot study of floor-reactive-force generator mounted on MRI compatible lower-extremity motion simulator. , 2012, , .		3
24	T2 corrected quantification method of l-p-boronophenylalanine using proton magnetic resonance spectroscopy for boron neutron capture therapy. Applied Radiation and Isotopes, 2009, 67, S345-S347.	1.5	2
25	Stepwise process of clinical trials in safety-conscious development of human assistive robots. , 2011, , .		2
26	Safety and Ethical Issues in the Development of Human Assistive Robots. , 2014, , 299-313.		2
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28	Development of an MR-compatible sensory stimulation device which provides pin and brush stimulations. Transactions of the JSME (in Japanese), 2014, 80, DR0028-DR0028.	0.2	0
29	MRI Compatible Lower-extremity Motion Simulator: LoMS. Journal of the Robotics Society of Japan, 2015, 33, 115-123.	0.1	0
30	Quantitative Assessment of Head Motion toward Functional Magnetic Resonance Imaging during Stepping. Magnetic Resonance in Medical Sciences, 2016, 15, 273-280.	2.0	0
31	Electroneurophysiology and Brain Functional Imaging for Brain-Machine-Interface. , 2014, , 267-286.		0