

Shin-Ichi Izumi

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,241
citations

516710

16
h-index

395702

33
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63
all docs

63
docs citations

63
times ranked

1725
citing authors

#	ARTICLE	IF	CITATIONS
1	Two types of sensorimotor strategies for whole-body movement in individuals with stroke: a pilot study. <i>Physiotherapy Theory and Practice</i> , 2022, 38, 2580-2591.	1.3	1
2	Effects of aging on whole-body center of mass movement and lower limb joint kinematics and kinetics during deep-squat movement. <i>Journal of Biomechanics</i> , 2022, 134, 110996.	2.1	3
3	Increased External Rotation Related to the Soft Tissues is Associated with Pathologic Internal Impingement in High-School Baseball Players. <i>Journal of Shoulder and Elbow Surgery</i> , 2022, , .	2.6	0
4	Frequent Onsets of Cellulitis in Lower Limbs with Lymphedema Following COVID-19 mRNA Vaccination. <i>Vaccines</i> , 2022, 10, 517.	4.4	3
5	Implicit Body Representation of the Hand Enlarged by Repetitive Peripheral Magnetic Stimulation within the Boundary of a Real Hand. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5250.	2.5	1
6	Oscillatory entrainment of neural activity between inferior frontoparietal cortices alters imitation performance. <i>Neuropsychologia</i> , 2021, 150, 107702.	1.6	8
7	Visual-Electrotactile Stimulation Feedback to Improve Immersive Brain-Computer Interface Based on Hand Motor Imagery. <i>Computational Intelligence and Neuroscience</i> , 2021, 2021, 1-13.	1.7	15
8	A Smart Tendon Hammer System for Remote Neurological Examination. <i>Frontiers in Robotics and AI</i> , 2021, 8, 618656.	3.2	4
9	Changes in shoulder muscle activities and glenohumeral motion after rotator cuff repair: an assessment using ultrasound real-time tissue elastography. <i>Journal of Shoulder and Elbow Surgery</i> , 2021, 30, 2577-2586.	2.6	6
10	Neural Alterations in Interpersonal Distance (IPD) Cognition and Its Correlation with IPD Behavior: A Systematic Review. <i>Brain Sciences</i> , 2021, 11, 1015.	2.3	5
11	Motor Learning Based on Oscillatory Brain Activity Using Transcranial Alternating Current Stimulation: A Review. <i>Brain Sciences</i> , 2021, 11, 1095.	2.3	8
12	Effects of seat height on whole-body movement and lower limb muscle power during sit-to-stand movements in young and older individuals. <i>Journal of Biomechanics</i> , 2021, 129, 110813.	2.1	7
13	Two-Week Rehabilitation with Auditory Biofeedback Prosthesis Reduces Whole Body Angular Momentum Range during Walking in Stroke Patients with Hemiplegia: A Randomized Controlled Trial. <i>Brain Sciences</i> , 2021, 11, 1461.	2.3	3
14	Classification of Ankle Joint Stiffness during Walking to Determine the Use of Ankle Foot Orthosis after Stroke. <i>Brain Sciences</i> , 2021, 11, 1512.	2.3	4
15	Effect of Walking Adaptability on an Uneven Surface by a Stepping Pattern on Walking Activity After Stroke. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 762223.	2.0	3
16	Body-Specific Attention to the Hands and Feet in Healthy Adults. <i>Frontiers in Systems Neuroscience</i> , 2021, 15, 805746.	2.5	2
17	Comparison of handrail reaction forces between two different handrails during sit-to-stand movement in the elderly. <i>Clinical Biomechanics</i> , 2020, 80, 105130.	1.2	14
18	IncobotulinumtoxinA for upper- and lower-limb spasticity in Japanese patients. <i>Current Medical Research and Opinion</i> , 2020, 36, 827-834.	1.9	2

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19	Effects of shelf bar assistance on kinetic control during sit-to-stand in healthy young and elderly subjects. <i>Journal of Biomechanics</i> , 2020, 106, 109822.	2.1	14
20	Ankle-foot orthosis with dorsiflexion resistance using spring-cam mechanism increases knee flexion in the swing phase during walking in stroke patients with hemiplegia. <i>Gait and Posture</i> , 2020, 81, 27-32.	1.4	16
21	Evaluation of the myoelectric potential of the infrahyoid muscles as a means of detecting muscle activity of the suprahyoid muscles. , 2020, 11, 52-58.		2
22	Ergonomic aspects in the design of instrumentation for ophthalmic microsurgery. <i>Zeitschrift für Arbeitswissenschaft</i> , 2019, 73, 23-34.	1.6	4
23	The differences in sagittal plane whole-body angular momentum during gait between patients with hemiparesis and healthy people. <i>Journal of Biomechanics</i> , 2019, 86, 204-209.	2.1	22
24	Influence of thoracic posture on scapulothoracic and glenohumeral motions during eccentric shoulder external rotation. <i>Gait and Posture</i> , 2019, 67, 207-212.	1.4	13
25	Regulation of quasi-joint stiffness by combination of activation of ankle muscles in midstances during gait in patients with hemiparesis. <i>Gait and Posture</i> , 2018, 62, 378-383.	1.4	6
26	Noninvasive aspiration detection using through-transmission ultrasound. , 2018, , .		0
27	Effect of Cathodal Transcranial Direct Current Stimulation on a Child with Involuntary Movement after Hypoxic Encephalopathy. <i>Case Reports in Medicine</i> , 2018, 2018, 1-5.	0.7	2
28	Time-dependent decline of body-specific attention to the paretic limb in chronic stroke patients. <i>Neurology</i> , 2018, 91, e751-e758.	1.1	9
29	Musculoskeletal simulation analysis of elderly person during sit-to-stand motion using handrails. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSM</i> , 2018, 2018.30, 2D16.	0.0	0
30	Trial Manufacture of Magnetic Stimulation Coil to Induce the Contraction of Suprahyoid Muscles. <i>Biomechanisms</i> , 2018, 24, 79-88.	0.1	2
31	Effects of grab bar on utilized friction and dynamic stability when elderly people enter the bathtub. <i>Clinical Biomechanics</i> , 2017, 47, 7-13.	1.2	10
32	Development of VR platform for cloud-based neurorehabilitation and its application to research on sense of agency and ownership. <i>Advanced Robotics</i> , 2017, 31, 97-106.	1.8	12
33	Fast decomposition of two ultrasound longitudinal waves in cancellous bone using a phase rotation parameter for bone quality assessment: Simulation study. <i>Journal of the Acoustical Society of America</i> , 2017, 142, 2322-2331.	1.1	7
34	Lacunar Infarcts Rather than White Matter Hyperintensity as a Predictor of Future Higher Level Functional Decline: The Ohasama Study. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017, 26, 376-384.	1.6	7
35	Predictors of Recovery from Traumatic Brain Injury-Induced Prolonged Consciousness Disorder. <i>Neural Plasticity</i> , 2017, 2017, 1-11.	2.2	4
36	Effect of Lower Back Support on Spinal Alignment and Physical Fatigue While Sitting in an Automobile Seat. <i>Ningen Kogaku = the Japanese Journal of Ergonomics</i> , 2017, 53, 157-166.	0.1	1

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37	Dorsiflexion movement of the wrist by magnetic stimulation. <i>Journal of the Society of Biomechanisms</i> , 2016, 40, 103-109.	0.0	5
38	Short-Term Effect of Prosthesis Transforming Sensory Modalities on Walking in Stroke Patients with Hemiparesis. <i>Neural Plasticity</i> , 2016, 2016, 1-9.	2.2	8
39	Stress Recovery Effects of High- and Low-Frequency Amplified Music on Heart Rate Variability. <i>Behavioural Neurology</i> , 2016, 2016, 1-8.	2.1	23
40	Neural Plasticity on Body Representations: Advancing Translational Rehabilitation. <i>Neural Plasticity</i> , 2016, 2016, 1-2.	2.2	6
41	Parallel processing of cognitive and physical demands in left and right prefrontal cortices during smartphone use while walking. <i>BMC Neuroscience</i> , 2016, 17, 9.	1.9	39
42	Anodal transcranial direct current stimulation over the auditory cortex improved hearing impairment in a patient with brainstem encephalitis. <i>Journal of International Medical Research</i> , 2016, 44, 760-764.	1.0	5
43	Maladaptive change of body representation in the brain after damage to central or peripheral nervous system. <i>Neuroscience Research</i> , 2016, 104, 38-43.	1.9	30
44	Integration of Teaching Processes and Learning Assessment in the Prefrontal Cortex during a Video Game Teachingâ€“learning Task. <i>Frontiers in Psychology</i> , 2016, 7, 2052.	2.1	41
45	Auditory foot: A novel auditory feedback system regarding kinesthesia. , 2015, , .		2
46	Combinations of stroke neurorehabilitation to facilitate motor recovery: perspectives on Hebbian plasticity and homeostatic metaplasticity. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 349.	2.0	52
47	Relationship between activation of ankle muscles and quasi-joint stiffness in early and middle stances during gait in patients with hemiparesis. <i>Gait and Posture</i> , 2015, 42, 348-353.	1.4	8
48	Noninvasive assessment of the activity of the shoulder girdle muscles using ultrasound real-time tissue elastography. <i>Journal of Electromyography and Kinesiology</i> , 2015, 25, 723-730.	1.7	32
49	Ultrasound elastographyâ€“based assessment of the elasticity of the supraspinatus muscle and tendon during muscle contraction. <i>Journal of Shoulder and Elbow Surgery</i> , 2015, 24, 120-126.	2.6	71
50	Development of multi-cycle magnetic stimulation device. <i>Journal of the Society of Biomechanisms</i> , 2015, 39, 163-168.	0.0	1
51	1D4-4 FFT Analysis of the Sequential Changes of Spontaneous Movements at an Early Infant.: Ningen Kogaku = the Japanese Journal of Ergonomics, 2015, 51, S138-S139.	0.1	0
52	Rehabilitation with Poststroke Motor Recovery: A Review with a Focus on Neural Plasticity. <i>Stroke Research and Treatment</i> , 2013, 2013, 1-13.	0.8	197
53	Clinical Utility of Diffusion Tensor Imaging and Fibre Tractography for Evaluating Diffuse Axonal Injury with Hemiparesis. <i>Case Reports in Medicine</i> , 2013, 2013, 1-5.	0.7	1
54	Maladaptive Plasticity for Motor Recovery after Stroke: Mechanisms and Approaches. <i>Neural Plasticity</i> , 2012, 2012, 1-9.	2.2	167

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55	Noninvasive Brain Stimulation for Motor Recovery after Stroke: Mechanisms and Future Views. Stroke Research and Treatment, 2012, 2012, 1-10.	0.8	67
56	Motor Control and Neural Plasticity through Interhemispheric Interactions. Neural Plasticity, 2012, 2012, 1-13.	2.2	125
57	The contribution of quasi-joint stiffness of the ankle joint to gait in patients with hemiparesis. Clinical Biomechanics, 2012, 27, 495-499.	1.2	27
58	Clinical Utility of Diffusion Tensor Imaging for Evaluating Patients with Diffuse Axonal Injury and Cognitive Disorders in the Chronic Stage. Journal of Neurotrauma, 2009, 26, 1879-1890.	3.4	38
59	Transcranial magnetic stimulation synchronized with maximal movement effort of the hemiplegic hand after stroke: A double-blinded controlled pilot study. Acta Dermato-Venereologica, 2008, 40, 49-54.	1.3	22
60	Diffusion tensor imaging fiber tractography for evaluating diffuse axonal injury. Brain Injury, 2007, 21, 413-419.	1.2	53
61	4. Effectiveness and Limitations of Non-invasive Electrical Stimulation of the Brain in Treatment of Hemiplegia(PS2-2 Neuronal Reconstruction : Its Clinical Application, The 27 th Annual Meeting) Tj ETQq1 100784314rgBT /Ove		