Shin-Ichi Izumi

List of Publications by Year
in descending order

61	1,241	516710 16	395702 33
papers	citations	h-index	g-index

63	63	63	1725
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rehabilitation with Poststroke Motor Recovery: A Review with a Focus on Neural Plasticity. Stroke Research and Treatment, 2013, 2013, 1-13.	0.8	197
2	Maladaptive Plasticity for Motor Recovery after Stroke: Mechanisms and Approaches. Neural Plasticity, 2012, 2012, 1-9.	2.2	167
3	Motor Control and Neural Plasticity through Interhemispheric Interactions. Neural Plasticity, 2012, 2012, 1-13.	2.2	125
4	Ultrasound elastographyâ€“based assessment of the elasticity of the supraspinatus muscle and tendon during muscle contraction. Journal of Shoulder and Elbow Surgery, 2015, 24, 120-126.	2.6	71
5	Noninvasive Brain Stimulation for Motor Recovery after Stroke: Mechanisms and Future Views. Stroke Research and Treatment, 2012, 2012, 1-10.	0.8	67
6	Diffusion tensor imaging fiber tractography for evaluating diffuse axonal injury. Brain Injury, 2007, 21, 413-419.	1.2	53
7	Combinations of stroke neurorehabilitation to facilitate motor recovery: perspectives on Hebbian plasticity and homeostatic metaplasticity. Frontiers in Human Neuroscience, 2015, 9, 349.	2.0	52
8	Integration of Teaching Processes and Learning Assessment in the Prefrontal Cortex during a Video Game Teachingâ€“learning Task. Frontiers in Psychology, 2016, 7, 2052.	2.1	41
9	Parallel processing of cognitive and physical demands in left and right prefrontal cortices during smartphone use while walking. BMC Neuroscience, 2016, 17, 9.	1.9	39
10	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
11	Noninvasive assessment of the activity of the shoulder girdle muscles using ultrasound real-time tissue elastography. Journal of Electromyography and Kinesiology, 2015, 25, 723-730.	1.7	32
12	Maladaptive change of body representation in the brain after damage to central or peripheral nervous system. Neuroscience Research, 2016, 104, 38-43.	1.9	30
13	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
14	Stress Recovery Effects of High- and Low-Frequency Amplified Music on Heart Rate Variability. Behavioural Neurology, 2016, 2016, 1-8.	2.1	23
15	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
16	The differences in sagittal plane whole-body angular momentum during gait between patients with hemiparesis and healthy people. Journal of Biomechanics, 2019, 86, 204-209.	2.1	22
17	Ankleâ€“foot orthosis with dorsiflexion resistance using spring-cam mechanism increases knee flexion in the swing phase during walking in stroke patients with hemiplegia. Gait and Posture, 2020, 81, 27-32.	1.4	16
18	Visual-Electrotactile Stimulation Feedback to Improve Immersive Brain-Computer Interface Based on Hand Motor Imagery. Computational Intelligence and Neuroscience, 2021, 2021, 1-13.	1.7	15

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19	Comparison of handrail reaction forces between two different handrails during sit-to-stand movement in the elderly. Clinical Biomechanics, 2020, 80, 105130.	1.2	14
20	Effects of shelf bar assistance on kinetic control during sit-to-stand in healthy young and elderly subjects. Journal of Biomechanics, 2020, 106, 109822.	2.1	14
21	Influence of thoracic posture on scapulothoracic and glenohumeral motions during eccentric shoulder external rotation. Gait and Posture, 2019, 67, 207-212.	1.4	13
22	Development of VR platform for cloud-based neurorehabilitation and its application to research on sense of agency and ownership. Advanced Robotics, 2017, 31, 97-106.	1.8	12
23	Effects of grab bar on utilized friction and dynamic stability when elderly people enter the bathtub. Clinical Biomechanics, 2017, 47, 7-13.	1.2	10
24	Time-dependent decline of body-specific attention to the paretic limb in chronic stroke patients. Neurology, 2018, 91, e751-e758.	1.1	9
25	Relationship between activation of ankle muscles and quasi-joint stiffness in early and middle stances during gait in patients with hemiparesis. Gait and Posture, 2015, 42, 348-353.	1.4	8
26	Short-Term Effect of Prosthesis Transforming Sensory Modalities on Walking in Stroke Patients with Hemiparesis. Neural Plasticity, 2016, 2016, 1-9.	2.2	8
27	Oscillatory entrainment of neural activity between inferior frontoparietal cortices alters imitation performance. Neuropsychologia, 2021, 150, 107702.	1.6	8
28	Motor Learning Based on Oscillatory Brain Activity Using Transcranial Alternating Current Stimulation: A Review. Brain Sciences, 2021, 11, 1095.	2.3	8
29	Fast decomposition of two ultrasound longitudinal waves in cancellous bone using a phase rotation parameter for bone quality assessment: Simulation study. Journal of the Acoustical Society of America, 2017, 142, 2322-2331.	1.1	7
30	Lacunar Infarcts Rather than White Matter Hyperintensity as a Predictor of Future Higher Level Functional Decline: The Ohasama Study. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 376-384.	1.6	7
31	Effects of seat height on whole-body movement and lower limb muscle power during sit-to-stand movements in young and older individuals. Journal of Biomechanics, 2021, 129, 110813.	2.1	7
32	Neural Plasticity on Body Representations: Advancing Translational Rehabilitation. Neural Plasticity, 2016, 2016, 1-2.	2.2	6
33	Regulation of quasi-joint stiffness by combination of activation of ankle muscles in midstances during gait in patients with hemiparesis. Gait and Posture, 2018, 62, 378-383.	1.4	6
34	Changes in shoulder muscle activities and glenohumeral motion after rotator cuff repair: an assessment using ultrasound real-time tissue elastography. Journal of Shoulder and Elbow Surgery, 2021, 30, 2577-2586.	2.6	6
35	Dorsiflexion movement of the wrist by magnetic stimulation. Journal of the Society of Biomechanisms, 2016, 40, 103-109.	0.0	5
36	Anodal transcranial direct current stimulation over the auditory cortex improved hearing impairment in a patient with brainstem encephalitis. Journal of International Medical Research, 2016, 44, 760-764.	1.0	5

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37	Neural Alterations in Interpersonal Distance (IPD) Cognition and Its Correlation with IPD Behavior: A Systematic Review. Brain Sciences, 2021, 11, 1015.	2.3	5
38	Predictors of Recovery from Traumatic Brain Injury-Induced Prolonged Consciousness Disorder. Neural Plasticity, 2017, 2017, 1-11.	2.2	4
39	Ergonomic aspects in the design of instrumentation for ophthalmic microsurgery. Zeitschrift FÃ¼r Arbeitswissenschaft, 2019, 73, 23-34.	1.6	4
40	A Smart Tendon Hammer System for Remote Neurological Examination. Frontiers in Robotics and AI, 2021, 8, 618656.	3.2	4
41	Classification of Ankle Joint Stiffness during Walking to Determine the Use of Ankle Foot Orthosis after Stroke. Brain Sciences, 2021, 11, 1512.	2.3	4
42	Two-Week Rehabilitation with Auditory Biofeedback Prosthesis Reduces Whole Body Angular Momentum Range during Walking in Stroke Patients with Hemiplegia: A Randomized Controlled Trial. Brain Sciences, 2021, 11, 1461.	2.3	3
43	Effect of Walking Adaptability on an Uneven Surface by a Stepping Pattern on Walking Activity After Stroke. Frontiers in Human Neuroscience, 2021, 15, 762223.	2.0	3
44	Effects of aging on whole-body center of mass movement and lower limb joint kinematics and kinetics during deep-squat movement. Journal of Biomechanics, 2022, 134, 110996.	2.1	3
45	Frequent Onsets of Cellulitis in Lower Limbs with Lymphedema Following COVID-19 mRNA Vaccination. Vaccines, 2022, 10, 517.	4.4	3
46	Auditory foot: A novel auditory feedback system regarding kinesthesia. , 2015, , .		2
47	Effect of Cathodal Transcranial Direct Current Stimulation on a Child with Involuntary Movement after Hypoxic Encephalopathy. Case Reports in Medicine, 2018, 2018, 1-5.	0.7	2
48	IncobotulinumtoxinA for upper- and lower-limb spasticity in Japanese patients. Current Medical Research and Opinion, 2020, 36, 827-834.	1.9	2
49	Trial Manufacture of Magnetic Stimulation Coil to Induce the Contraction of Suprahyoid Muscles. Biomechanisms, 2018, 24, 79-88.	0.1	2
50	Body-Specific Attention to the Hands and Feet in Healthy Adults. Frontiers in Systems Neuroscience, 2021, 15, 805746.	2.5	2
51	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
52	Clinical Utility of Diffusion Tensor Imaging and Fibre Tractography for Evaluating Diffuse Axonal Injury with Hemiparesis. Case Reports in Medicine, 2013, 2013, 1-5.	0.7	1
53	Two types of sensorimotor strategies for whole-body movement in individuals with stroke: a pilot study. Physiotherapy Theory and Practice, 2022, 38, 2580-2591.	1.3	1
54	Development of multi-cycle magnetic stimulation device. Journal of the Society of Biomechanisms, 2015, 39, 163-168.	0.0	1

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55	Effect of Lower Back Support on Spinal Alignment and Physical Fatigue While Sitting in an Automobile Seat. Ningen Kogaku = the Japanese Journal of Ergonomics, 2017, 53, 157-166.	0.1	1
56	Implicit Body Representation of the Hand Enlarged by Repetitive Peripheral Magnetic Stimulation within the Boundary of a Real Hand. Applied Sciences (Switzerland), 2022, 12, 5250.	2.5	1
57	Noninvasive aspiration detection using through-transmission ultrasound. , 2018, , .		0
58	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 ETQq0 0 0 rgBT /Overlock 10		0
59	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
60	Musculoskeletal simulation analysis of elderly person during sit-to-stand motion using handrails. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2018, 2018.30, 2D16.	0.0	0
61	Increased External Rotation Related to the Soft Tissues is Associated with Pathologic Internal Impingement in High-School Baseball Players. Journal of Shoulder and Elbow Surgery, 2022, , .	2.6	0