Tomofumi Yamaguchi

List of Publications by Year
in descending order

51	620	623188	713013
papers	citations	14 h-index	21 g-index

55	55	55	700
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The effects of anodal transcranial direct current stimulation and patterned electrical stimulation on spinal inhibitory interneurons and motor function in patients with spinal cord injury. Experimental Brain Research, 2016, 234, 1469-1478.	0.7	51
2	Effects of pedaling exercise on the intracortical inhibition of cortical leg area. Experimental Brain Research, 2012, 218, 401-406.	0.7	42
3	Dual-hemisphere transcranial direct current stimulation improves performance in a tactile spatial discrimination task. Clinical Neurophysiology, 2014, 125, 1669-1674.	0.7	34
4	Combined effect of motor imagery and peripheral nerve electrical stimulation on the motor cortex. Experimental Brain Research, 2013, 227, 333-342.	0.7	31
5	Transcranial Direct Current Stimulation Over the Primary and Secondary Somatosensory Cortices Transiently Improves Tactile Spatial Discrimination in Stroke Patients. Frontiers in Neuroscience, 2016, 10, 128.	1.4	31
6	Effects of Integrated Volitional Control Electrical Stimulation (IVES) on Upper Extremity Function in Chronic Stroke. Keio Journal of Medicine, 2011, 60, 90-95.	0.5	28
7	Spasticity in adults with cerebral palsy and multiple sclerosis measured by objective clinically applicable technique. Clinical Neurophysiology, 2018, 129, 2010-2021.	0.7	27
8	The effect of active pedaling combined with electrical stimulation on spinal reciprocal inhibition. Journal of Electromyography and Kinesiology, 2013, 23, 190-194.	0.7	26
9	Transcranial Direct Current Stimulation Does Not Affect Lower Extremity Muscle Strength Training in Healthy Individuals: A Triple-Blind, Sham-Controlled Study. Frontiers in Neuroscience, 2017, 11, 179.	1.4	21
10	Real-Time Changes in Corticospinal Excitability during Voluntary Contraction with Concurrent Electrical Stimulation. PLoS ONE, 2012, 7, e46122.	1.1	20
11	Priming With Intermittent Theta Burst Transcranial Magnetic Stimulation Promotes Spinal Plasticity Induced by Peripheral Patterned Electrical Stimulation. Frontiers in Neuroscience, 2018, 12, 508.	1.4	20
12	Effects of Leg Motor Imagery Combined With Electrical Stimulation on Plasticity of Corticospinal Excitability and Spinal Reciprocal Inhibition. Frontiers in Neuroscience, 2019, 13, 149.	1.4	20
13	Does the balance strategy during walking in elderly persons show an association with fall risk assessment?. Journal of Biomechanics, 2020, 103, 109657.	0.9	19
14	Transcranial direct-current stimulation combined with attention increases cortical excitability and improves motor learning in healthy volunteers. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 23.	2.4	17
15	The effects of patterned electrical stimulation combined with voluntary contraction on spinal reciprocal inhibition in healthy individuals. NeuroReport, 2017, 28, 434-438.	0.6	16
16	Repetitive Peripheral Magnetic Stimulation of Wrist Extensors Enhances Cortical Excitability and Motor Performance in Healthy Individuals. Frontiers in Neuroscience, 2021, 15, 632716.	1.4	14
17	Effect of the combination of motor imagery and electrical stimulation on upper extremity motor function in patients with chronic stroke: preliminary results. Therapeutic Advances in Neurological Disorders, 2018, 11, 175628641880478.	1.5	13
18	Time course of changes in corticospinal excitability induced by motor imagery during action observation combined with peripheral nerve electrical stimulation. Experimental Brain Research, 2019, 237, 637-645.	0.7	13

#	Article	IF	Citations
19	Voluntary contraction enhances spinal reciprocal inhibition induced by patterned electrical stimulation in patients with stroke. Restorative Neurology and Neuroscience, 2018, 36, 99-105.	0.4	12
20	Transcutaneous spinal direct current stimulation increases corticospinal transmission and enhances voluntary motor output in humans. Physiological Reports, 2020, 8, e14531.	0.7	12
21	Time-dependent changes in motor cortical excitability by electrical stimulation combined with voluntary drive. NeuroReport, 2014, 25, 404-409.	0.6	11
22	A pilot study of contralateral homonymous muscle activity simulated electrical stimulation in chronic hemiplegia. Brain Injury, 2012, 26, 1105-1112.	0.6	10
23	Effects of transcutaneous spinal DC stimulation on plasticity of the spinal circuits and corticospinal tracts in humans. , 2013, , .		10
24	Validity of gait asymmetry estimation by using an accelerometer in individuals with hemiparetic stroke. Journal of Physical Therapy Science, 2017, 29, 307-311.	0.2	10
25	Immediate effects of electrical stimulation combined with passive locomotion-like movement on gait velocity and spasticity in persons with hemiparetic stroke: a randomized controlled study. Clinical Rehabilitation, 2012, 26, 619-628.	1.0	9
26	Unilateral Arm Crank Exercise Test for Assessing Cardiorespiratory Fitness in Individuals with Hemiparetic Stroke. BioMed Research International, 2017, 2017, 1-10.	0.9	9
27	Skillful Cycling Training Induces Cortical Plasticity in the Lower Extremity Motor Cortex Area in Healthy Persons. Frontiers in Neuroscience, 2019, 13, 927.	1.4	9
28	Interindividual Variability of Lower-Limb Motor Cortical Plasticity Induced by Theta Burst Stimulation. Frontiers in Neuroscience, 2020, 14, 563293.	1.4	9
29	Single-Session Cerebellar Transcranial Direct Current Stimulation Affects Postural Control Learning and Cerebellar Brain Inhibition in Healthy Individuals. Cerebellum, 2021, 20, 203-211.	1.4	9
30	The Effect of Dual-Hemisphere Transcranial Direct Current Stimulation Over the Parietal Operculum on Tactile Orientation Discrimination. Frontiers in Behavioral Neuroscience, 2017, 11, 173.	1.0	8
31	Transcranial Alternating Current Stimulation of the Primary Motor Cortex after Skill Acquisition Improves Motor Memory Retention in Humans: A Double-Blinded Sham-Controlled Study. Cerebral Cortex Communications, 2020, 1, tgaa047.	0.7	8
32	Anodal Transcranial Direct Current Stimulation over the Lower Limb Motor Cortex Increases the Cortical Excitability with Extracephalic Reference Electrodes. Biosystems and Biorobotics, 2013, , 829-834.	0.2	8
33	Individualized beta-band oscillatory transcranial direct current stimulation over the primary motor cortex enhances corticomuscular coherence and corticospinal excitability in healthy individuals. Brain Stimulation, 2022, 15, 46-52.	0.7	8
34	After-effects of pedaling exercise on spinal excitability and spinal reciprocal inhibition in patients with chronic stroke. International Journal of Neuroscience, 2017, 127, 73-79.	0.8	6
35	Specifications of an electromyogram-driven neuromuscular stimulator for upper limb functional recovery. , 2013, 2013, 277-80.		5
36	The effect of cathodal transspinal direct current stimulation on tibialis anterior stretch reflex components in humans. Experimental Brain Research, 2021, 240, 159.	0.7	5

#	Article	IF	Citations
37	Real-time changes in corticospinal excitability related to motor imagery of a force control task. Behavioural Brain Research, 2017, 335, 185-190.	1.2	4
38	Increasing corticospinal excitability in the antagonist muscle during muscle relaxation with a tracking task. Somatosensory & Motor Research, 2015, 32, 39-43.	0.4	3
39	Development of a toileting performance assessment test for patients in the early stroke phase. Disability and Rehabilitation, 2019, 41, 2826-2831.	0.9	3
40	Effects of transcutaneous electrical stimulation combined with locomotion-like movement in the treatment of post-stroke gait disorder: a single-case study. Short report. Disability and Rehabilitation, 2008, 30, 411-416.	0.9	2
41	Electrical stimulation of the common peroneal nerve and its effects on the relationship between corticomuscular coherence and motor control in healthy adults. BMC Neuroscience, 2021, 22, 61.	0.8	2
42	Transcranial Direct-Current Stimulation Combined with Attention to the Paretic Hand Improves Hand Performance in Stroke Patients: A Double-Blind, Sham-Controlled Study. Biosystems and Biorobotics, 2019, , 829-833.	0.2	1
43	Efficacy of Constraint-Induced Movement Therapy for Post-Stroke Upper Extremity Hemiparesis Patients Attending a Day-Care Center. Rigakuryoho Kagaku, 2009, 24, 929-933.	0.0	0
44	Motion Analysis with Exploratory Factor Analysis. Rigakuryoho Kagaku, 2013, 28, 371-375.	0.0	0
45	Exploration of the Physical Functions Related to the Gait Ability of Subacute Stroke Patients using Canonical Correlation Analysis. Rigakuryoho Kagaku, 2014, 29, 627-631.	0.0	0
46	The effect of a shoe lift on tensor fasciae latae length during standing with an artificial functional leg length discrepancy: An ultrasonic shear wave elastography study. Journal of Back and Musculoskeletal Rehabilitation, 2021, , 1-7.	0.4	0
47	Simulation Studies of Bipedal Walking on the Moon and Mars. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2012, 10, Pp_5-Pp_7.	0.1	0
48	The Combined Effects of Pedaling Exercise and Therapeutic Electrical Stimulation on Gait Performance in Stroke Patients: A Pilot Study. Journal of the Japanese Physical Therapy Association, 2014, 17, 55-55.	0.1	0
49	Skin Extensibility around Surgical Wounds after Total Knee Arthroplasty. Journal of the Japanese Physical Therapy Association, 2015, 18, 47-47.	0.1	0
50	Relationship between spinal reflexes and leg motor function in sub-acute and chronic stroke patients. Clinical Neurophysiology, 2022, 138, 74-83.	0.7	0
51	Theta Burst Stimulationï¼ˆTBSï¼‰. The Japanese Journal of Rehabilitation Medicine, 2022, 59, 496-502.	0.0	0