Hideaki Onishi

List of Publications by Year
in descending order

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119	1,349	394421	501196
papers	citations	19	28
		h-index	g-index

120	120	120	1260
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rating of perceived exertion on resistance training in elderly subjects. Expert Review of Cardiovascular Therapy, 2019, 17, 135-142.	1.5	63
2	Corticomotor excitability induced by anodal transcranial direct current stimulation with and without non-exhaustive movement. Brain Research, 2013, 1529, 83-91.	2.2	57
3	Effect of noisy galvanic vestibular stimulation on center of pressure sway of static standing posture. Brain Stimulation, 2018, 11, 85-93.	1.6	53
4	Effect of Transcranial Static Magnetic Field Stimulation Over theÂSensorimotor Cortex on Somatosensory Evoked Potentials inÂHumans. Brain Stimulation, 2014, 7, 836-840.	1.6	52
5	Neuromagnetic activation following active and passive finger movements. Brain and Behavior, 2013, 3, 178-192.	2.2	49
6	Transcranial Alternating Current Stimulation With Gamma Oscillations Over the Primary Motor Cortex and Cerebellar Hemisphere Improved Visuomotor Performance. Frontiers in Behavioral Neuroscience, 2018, 12, 132.	2.0	42
7	Structure of the Achilles tendon at the insertion on the calcaneal tuberosity. Journal of Anatomy, 2016, 229, 610-614.	1.5	40
8	Neuromagnetic activation of primary and secondary somatosensory cortex following tactile-on and tactile-off stimulation. Clinical Neurophysiology, 2010, 121, 588-593.	1.5	39
9	Morphological features of the anterior talofibular ligament by the number of fiber bundles. Annals of Anatomy, 2018, 216, 69-74.	1.9	39
10	Gamma tACS over M1 and cerebellar hemisphere improves motor performance in a phase-specific manner. Neuroscience Letters, 2019, 694, 64-68.	2.1	36
11	Non-invasive modulation of somatosensory evoked potentials by the application of static magnetic fields over the primary and supplementary motor cortices. Scientific Reports, 2016, 6, 34509.	3.3	35
12	Acute Low-Intensity Aerobic Exercise Modulates Intracortical Inhibitory and Excitatory Circuits in an Exercised and a Non-exercised Muscle in the Primary Motor Cortex. Frontiers in Physiology, 2019, 10, 1361.	2.8	27
13	Anatomical study of toe flexion by flexor hallucis longus. Annals of Anatomy, 2016, 204, 80-85.	1.9	26
14	Skill-Specific Changes in Somatosensory Nogo Potentials in Baseball Players. PLoS ONE, 2015, 10, e0142581.	2.5	26
15	Comparison of transcranial electrical stimulation regimens for effects on inhibitory circuit activity in primary somatosensory cortex and tactile spatial discrimination performance. Behavioural Brain Research, 2019, 375, 112168.	2.2	25
16	Depression of corticomotor excitability after muscle fatigue induced by electrical stimulation and voluntary contraction. Frontiers in Human Neuroscience, 2015, 9, 363.	2.0	24
17	Modulation of Cortical Inhibitory Circuits after Cathodal Transcranial Direct Current Stimulation over the Primary Motor Cortex. Frontiers in Human Neuroscience, 2016, 10, 30.	2.0	23
18	The effect of anodal transcranial direct current stimulation over the primary motor or somatosensory cortices on somatosensory evoked magnetic fields. Clinical Neurophysiology, 2015, 126, 60-67.	1.5	22

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19	Transcranial Static Magnetic Field Stimulation over the Primary Motor Cortex Induces Plastic Changes in Cortical Nociceptive Processing. Frontiers in Human Neuroscience, 2018, 12, 63.	2.0	22
20	Effect of the number of pins and inter-pin distance on somatosensory evoked magnetic fields following mechanical tactile stimulation. Brain Research, 2013, 1535, 78-88.	2.2	19
21	Motor Cortex-Evoked Activity in Reciprocal Muscles Is Modulated by Reward Probability. PLoS ONE, 2014, 9, e90773.	2.5	19
22	Effect of Transcranial Direct Current Stimulation over the Primary Motor Cortex on Cerebral Blood Flow: A Time Course Study Using Near-infrared Spectroscopy. Advances in Experimental Medicine and Biology, 2016, 876, 335-341.	1.6	19
23	Presence and Absence of Muscle Contraction Elicited by Peripheral Nerve Electrical Stimulation Differentially Modulate Primary Motor Cortex Excitability. Frontiers in Human Neuroscience, 2017, 11, 146.	2.0	18
24	The effect of transcranial random noise stimulation on corticospinal excitability and motor performance. Neuroscience Letters, 2019, 705, 138-142.	2.1	17
25	The effects on calcaneofibular ligament function of differences in the angle of the calcaneofibular ligament with respect to the long axis of the fibula: a simulation study. Journal of Foot and Ankle Research, 2017, 10, 60.	1.9	16
26	Changes in Cerebral Oxyhaemoglobin Levels During and After a Single 20-Minute Bout of Moderate-Intensity Cycling. Advances in Experimental Medicine and Biology, 2018, 1072, 127-131.	1.6	16
27	Regulation of primary motor cortex excitability by repetitive passive finger movement frequency. Neuroscience, 2017, 357, 232-240.	2.3	15
28	Sensorimotor Modulation Differs with Load Type during Constant Finger Force or Position. PLoS ONE, 2014, 9, e108058.	2.5	14
29	The effect of gamma tACS over the M1 region and cerebellar hemisphere does not depend on current intensity. Journal of Clinical Neuroscience, 2019, 65, 54-58.	1.5	14
30	Electrical Stimulation of Denervated Rat Skeletal Muscle Retards Capillary and Muscle Loss in Early Stages of Disuse Atrophy. BioMed Research International, 2017, 2017, 1-8.	1.9	13
31	10â€‰Hz transcranial alternating current stimulation over posterior parietal cortex facilitates tactile temporal order judgment. Behavioural Brain Research, 2019, 368, 111899.	2.2	13
32	Establishment of optimal two-point discrimination test method and consideration of reproducibility. Neuroscience Letters, 2020, 714, 134525.	2.1	13
33	No relation between afferent facilitation induced by digital nerve stimulation and the latency of cutaneomuscular reflexes and somatosensory evoked magnetic fields. Frontiers in Human Neuroscience, 2014, 8, 1023.	2.0	12
34	Whole-hand water flow stimulation increases motor cortical excitability: a study of transcranial magnetic stimulation and movement-related cortical potentials. Journal of Neurophysiology, 2015, 113, 822-833.	1.8	12
35	Do Differences in Levels, Types, and Duration of Muscle Contraction Have an Effect on the Degree of Post-exercise Depression?. Frontiers in Human Neuroscience, 2016, 10, 159.	2.0	12
36	Changes in Oxyhemoglobin Concentration in the Prefrontal Cortex and Primary Motor Cortex During Low- and Moderate-Intensity Exercise on a Cycle Ergometer. Advances in Experimental Medicine and Biology, 2017, 977, 241-247.	1.6	12

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37	Effects on motor learning of transcranial alternating current stimulation applied over the primary motor cortex and cerebellar hemisphere. Journal of Clinical Neuroscience, 2020, 78, 296-300.	1.5	12
38	Influence of Brain-Derived Neurotrophic Factor Genotype on Short-Latency Afferent Inhibition and Motor Cortex Metabolites. Brain Sciences, 2021, 11, 395.	2.3	12
39	Effect of muscle contraction strength on gating of somatosensory magnetic fields. Experimental Brain Research, 2016, 234, 3389-3398.	1.5	11
40	Inhibitory Mechanisms in Primary Somatosensory Cortex Mediate the Effects of Peripheral Electrical Stimulation on Tactile Spatial Discrimination. Neuroscience, 2018, 384, 262-274.	2.3	11
41	The modulatory effect of electrical stimulation on the excitability of the corticospinal tract varies according to the type of muscle contraction being performed. Frontiers in Human Neuroscience, 2014, 8, 835.	2.0	10
42	Changes in Cortical Oxyhaemoglobin Signal During Low-Intensity Cycle Ergometer Activity: A Near-Infrared Spectroscopy Study. Advances in Experimental Medicine and Biology, 2016, 876, 79-85.	1.6	10
43	Modulation of Corticospinal Excitability Depends on the Pattern of Mechanical Tactile Stimulation. Neural Plasticity, 2018, 2018, 1-9.	2.2	10
44	Low-Frequency Electrical Stimulation of Denervated Skeletal Muscle Retards Muscle and Trabecular Bone Loss in Aged Rats. International Journal of Medical Sciences, 2019, 16, 822-830.	2.5	10
45	Correlation Between the Cerebral Oxyhaemoglobin Signal and Physiological Signals During Cycling Exercise: A Near-Infrared Spectroscopy Study. Advances in Experimental Medicine and Biology, 2016, 923, 159-166.	1.6	9
46	Electrical Stimulation of Denervated Rat Skeletal Muscle Ameliorates Bone Fragility and Muscle Loss in Early-Stage Disuse Musculoskeletal Atrophy. Calcified Tissue International, 2017, 100, 420-430.	3.1	9
47	Face scale rating of perceived exertion during cardiopulmonary exercise test. BMJ Open Sport and Exercise Medicine, 2018, 4, e000474.	2.9	9
48	Repetitive Passive Finger Movement Modulates Primary Somatosensory Cortex Excitability. Frontiers in Human Neuroscience, 2018, 12, 332.	2.0	9
49	The effects of mechanical tactile stimulation on corticospinal excitability and motor function depend on pin protrusion patterns. Scientific Reports, 2019, 9, 16677.	3.3	9
50	Effects of Reciprocal Ia Inhibition on Contraction Intensity of Co-contraction. Frontiers in Human Neuroscience, 2018, 12, 527.	2.0	9
51	Modality-specific improvements in sensory processing among baseball players. Scientific Reports, 2021, 11, 2248.	3.3	9
52	Effect of Valsalva Maneuver-Induced Hemodynamic Changes on Brain Near-Infrared Spectroscopy Measurements. Advances in Experimental Medicine and Biology, 2013, 789, 97-103.	1.6	9
53	Inhibitory effect of intensity and interstimulus interval of conditioning stimuli on somatosensory evoked magnetic fields. European Journal of Neuroscience, 2016, 44, 2104-2113.	2.6	8
54	Modulation of inhibitory function in the primary somatosensory cortex and temporal discrimination threshold induced by acute aerobic exercise. Behavioural Brain Research, 2020, 377, 112253.	2.2	8

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55	Activation of the Supplementary Motor Areas Enhances Spinal Reciprocal Inhibition in Healthy Individuals. Brain Sciences, 2020, 10, 587.	2.3	8
56	The after-effect of noisy galvanic vestibular stimulation on postural control in young people: A randomized controlled trial. Neuroscience Letters, 2020, 729, 135009.	2.1	8
57	Gamma-transcranial alternating current stimulation on the cerebellum and supplementary motor area improves bimanual motor skill. Behavioural Brain Research, 2022, 424, 113805.	2.2	8
58	Cortical excitability following passive movement. Physical Therapy Research, 2018, 21, 23-32.	0.9	7
59	Changes in the Prefrontal Cortex Oxygenation Levels During Cycling in the Supine and Upright Positions. Advances in Experimental Medicine and Biology, 2018, 1072, 133-137.	1.6	7
60	Somatosensory Inputs Induced by Passive Movement Facilitate Primary Motor Cortex Excitability Depending on the Interstimulus Interval, Movement Velocity, and Joint Angle. Neuroscience, 2018, 386, 194-204.	2.3	7
61	The Relationship between Stretching Intensity and Changes in Passive Properties of Gastrocnemius Muscle-Tendon Unit after Static Stretching. Sports, 2020, 8, 140.	1.7	7
62	Post-exercise cortical depression following repetitive passive finger movement. Neuroscience Letters, 2017, 656, 89-93.	2.1	6
63	Variability and Reliability of Paired-Pulse Depression and Cortical Oscillation Induced by Median Nerve Stimulation. Brain Topography, 2018, 31, 780-794.	1.8	6
64	Assessment of the Mini-Balance Evaluation Systems Test, Timed Up and Go test, and body sway test between cancer survivors and healthy participants. Clinical Biomechanics, 2019, 69, 28-33.	1.2	6
65	Repetitive Passive Movement Modulates Corticospinal Excitability: Effect of Movement and Rest Cycles and Subject Attention. Frontiers in Behavioral Neuroscience, 2019, 13, 38.	2.0	6
66	Induction of cortical plasticity for reciprocal muscles by paired associative stimulation. Brain and Behavior, 2014, 4, 822-832.	2.2	5
67	Timeâ€Dependent Changes in the Structure of Calcified Fibrocartilage in the Rat Achilles Tendonâ€“Bone Interface With Sciatic Denervation. Anatomical Record, 2017, 300, 2166-2174.	1.4	5
68	Cortical Oxyhemoglobin Elevation Persists After Moderate-Intensity Cycling Exercise: A Near-Infrared Spectroscopy Study. Advances in Experimental Medicine and Biology, 2017, 977, 261-268.	1.6	5
69	Spinal reciprocal inhibition in the co-contraction of the lower leg depends on muscle activity ratio. Experimental Brain Research, 2019, 237, 1469-1478.	1.5	5
70	Effects of repetitive passive movement on ankle joint on spinal reciprocal inhibition. Experimental Brain Research, 2019, 237, 3409-3417.	1.5	5
71	Priming Effects of Water Immersion on Paired Associative Stimulation-Induced Neural Plasticity in the Primary Motor Cortex. International Journal of Environmental Research and Public Health, 2020, 17, 215.	2.6	5
72	Effects of stimulating the supplementary motor area with a transcranial alternating current for bimanual movement performance. Behavioural Brain Research, 2020, 393, 112801.	2.2	5

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73	Elite competitive swimmers exhibit higher motor cortical inhibition and superior sensorimotor skills in a water environment. Behavioural Brain Research, 2020, 395, 112835.	2.2	5
74	Relationship between balance function and QOL in cancer survivors and healthy subjects. Medicine (United States), 2021, 100, e27822.	1.0	5
75	Effect of Transcranial Electrical Stimulation over the Posterior Parietal Cortex on Tactile Spatial Discrimination Performance. Neuroscience, 2022, 494, 94-103.	2.3	5
76	Whole-Body Water Flow Stimulation to the Lower Limbs Modulates Excitability of Primary Motor Cortical Regions Innervating the Hands: A Transcranial Magnetic Stimulation Study. PLoS ONE, 2014, 9, e102472.	2.5	4
77	Transcranial static magnetic field stimulation - new non-invasive brain stimulation tool. The Journal of Physical Fitness and Sports Medicine, 2016, 5, 205-211.	0.3	4
78	Effect of Range and Angular Velocity of Passive Movement on Somatosensory Evoked Magnetic Fields. Brain Topography, 2016, 29, 693-703.	1.8	4
79	Corticospinal excitability following repetitive voluntary movement. Journal of Clinical Neuroscience, 2018, 57, 93-98.	1.5	4
80	The effect of combined transcranial direct current stimulation and peripheral nerve electrical stimulation on corticospinal excitability. PLoS ONE, 2019, 14, e0214592.	2.5	4
81	Noisy galvanic vestibular stimulation effect on center of pressure sway during one-legged standing. Journal of Clinical Neuroscience, 2020, 82, 173-178.	1.5	4
82	Enhancement of spinal reciprocal inhibition depends on the movement speed and range of repetitive passive movement. European Journal of Neuroscience, 2020, 52, 3929-3943.	2.6	4
83	Effect of Repetitive Passive Movement Before Motor Skill Training on Corticospinal Excitability and Motor Learning Depend on BDNF Polymorphisms. Frontiers in Human Neuroscience, 2021, 15, 621358.	2.0	4
84	Effects of Clenching Strength on Exercise Performance: Verification Using Spinal Function Assessments. Sports Health, 2022, 14, 404-414.	2.7	4
85	Effects of Streptomycin Administration on Increases in Skeletal Muscle Fiber Permeability and Size Following Eccentric Muscle Contractions. Anatomical Record, 2018, 301, 1096-1102.	1.4	3
86	OUP accepted manuscript. Cerebral Cortex, 2021, , .	2.9	3
87	Region-Specific Effects of 10-Hz Transcranial Alternate Current Stimulation Over the Left Posterior Parietal Cortex and Primary Somatosensory Area on Tactile Two-Point Discrimination Threshold. Frontiers in Neuroscience, 2021, 15, 576526.	2.8	3
88	Contribution of the brain-derived neurotrophic factor and neurometabolites to the motor performance. Behavioural Brain Research, 2021, 412, 113433.	2.2	3
89	Auditory changeâ€related cortical response is associated with hypervigilance to pain in healthy volunteers. European Journal of Pain, 2022, 26, 349-355.	2.8	3
90	Effects of transcranial random noise stimulation timing on corticospinal excitability and motor function. Behavioural Brain Research, 2021, 414, 113479.	2.2	3

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91	Effect of Exercise Duration on Post-Exercise Persistence of Oxyhemoglobin Changes in the Premotor Cortex: A Near-Infrared Spectroscopy Study in Moderate-Intensity Cycling Exercise. Advances in Experimental Medicine and Biology, 2020, 1232, 193-199.	1.6	3
92	Face Pain Scale and Borg Scale compared to physiological parameters during cardiopulmonary exercise testing. Journal of Sports Medicine and Physical Fitness, 2021, 61, 1464-1468.	0.7	3
93	Cortical signature related to psychometric properties of pain vigilance in healthy individuals: A voxel-based morphometric study. Neuroscience Letters, 2022, 772, 136445.	2.1	3
94	Electromyography Analysis of Shoulder Joint Muscles in Standing with Three Ambulatory Aids. Journal of Physical Therapy Science, 2007, 19, 117-123.	0.6	2
95	Regional Changes in Cerebral Oxygenation During Repeated Passive Movement Measured by Functional Near-infrared Spectroscopy. Frontiers in Human Neuroscience, 2015, 9, 641.	2.0	2
96	Bone loss due to disuse and electrical muscle stimulation. The Journal of Physical Fitness and Sports Medicine, 2016, 5, 267-273.	0.3	2
97	Time course of bilateral corticospinal tract excitability in the motor-learning process. Neuroscience Letters, 2019, 711, 134410.	2.1	2
98	Change-Driven M100 Component in the Bilateral Secondary Somatosensory Cortex: A Magnetoencephalographic Study. Brain Topography, 2019, 32, 435-444.	1.8	2
99	The Repetitive Mechanical Tactile Stimulus Intervention Effects Depend on Input Methods. Frontiers in Neuroscience, 2020, 14, 393.	2.8	2
100	Relationship Between the Borg Scale Rating of Perceived Exertion and Leg-Muscle Deoxygenation During Incremental Exercise in Healthy Adults. Advances in Experimental Medicine and Biology, 2021, 1269, 95-99.	1.6	2
101	The intervention of mechanical tactile stimulation modulates somatosensory evoked magnetic fields and cortical oscillations. European Journal of Neuroscience, 2021, 53, 3433-3446.	2.6	2
102	Do Brain-Derived Neurotrophic Factor Genetic Polymorphisms Modulate the Efficacy of Motor Cortex Plasticity Induced by Non-invasive Brain Stimulation? A Systematic Review. Frontiers in Human Neuroscience, 2021, 15, 742373.	2.0	2
103	Sleep affects the motor memory of basketball shooting skills in young amateurs. Journal of Clinical Neuroscience, 2022, 96, 187-193.	1.5	2
104	Effect of brain-derived neurotrophic factor gene polymorphisms on motor performance and motor learning: A systematic review and meta-analysis. Behavioural Brain Research, 2022, 420, 113712.	2.2	2
105	Transcranial direct current stimulation and transcranial random noise stimulation over the cerebellum differentially affect the cerebellum and primary motor cortex pathway. Journal of Clinical Neuroscience, 2022, 100, 59-65.	1.5	2
106	OUP accepted manuscript. Cerebral Cortex, 2022, , .	2.9	2
107	Time Course of Change in Movement Structure During Learning of Goal-Directed Movement. Journal of Medical and Biological Engineering, 2015, 35, 113-124.	1.8	1
108	Difference in Cortical Relay Time Between Intrinsic Muscles of Dominant and Nondominant Hands. Journal of Motor Behavior, 2017, 49, 467-475.	0.9	1

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109	Timing of Modulation of Corticospinal Excitability by Heartbeat Differs with Interoceptive Accuracy. Neuroscience, 2020, 433, 156-162.	2.3	1
110	Changes in the Laterality of Oxygenation in the Prefrontal Cortex and Premotor Area During a 20-Min Moderate-Intensity Cycling Exercise. Advances in Experimental Medicine and Biology, 2021, 1269, 113-117.	1.6	1
111	Grating orientation task trial numbers for short- and long-term tactile discrimination learning. Journal of Clinical Neuroscience, 2021, 93, 195-199.	1.5	1
112	Therapeutic benefits of noninvasive somatosensory cortex stimulation on cortical plasticity and somatosensory function: A systematic review. European Journal of Neuroscience, 2022, 56, 4669-4698.	2.6	1
113	Effect of Locomotor Respiratory Coupling Induced by Cortical Oxygenated Hemoglobin Levels During Cycle Ergometer Exercise of Light Intensity. Advances in Experimental Medicine and Biology, 2016, 923, 167-172.	1.6	0
114	Articular chondrocyte alignment in the rat after surgically induced osteoarthritis. Journal of Physical Therapy Science, 2017, 29, 598-604.	0.6	0
115	Corticospinal excitability of untrained side depends on the type of motor task and degree of improvement in motor function. Brain and Cognition, 2021, 148, 105691.	1.8	0
116	Influence of stress relaxation and load during static stretching on the range of motion and muscleâ€“tendon passive stiffness. Sport Sciences for Health, 2021, 17, 953-959.	1.3	0
117	The effect of taping on pain-related somatosensory evoked potentials (pSEPs). Japanese Journal of Physical Fitness and Sports Medicine, 2016, 65, 393-400.	0.0	0
118	Cortical magnetic activation following voluntary movement and several types of somatosensory stimulation. The Journal of Physical Fitness and Sports Medicine, 2016, 5, 275-286.	0.3	0
119	The Number or Type of Stimuli Used for Somatosensory Stimulation Affected the Modulation of Corticospinal Excitability. Brain Sciences, 2021, 11, 1494.	2.3	0