Hiroki Obata

List of Publications by Year
in descending order

26	264	933447 10	996975 15
papers	citations	h-index	g-index

26	26	26	316
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modulation between bilateral legs and within unilateral muscle synergists of postural muscle activity changes with development and aging. Experimental Brain Research, 2014, 232, 1-11.	1.5	27
2	Neural effects of muscle stretching on the spinal reflexes in multiple lower-limb muscles. PLoS ONE, 2017, 12, e0180275.	2.5	26
3	Age-related changes of the stretch reflex excitability in human ankle muscles. Journal of Electromyography and Kinesiology, 2010, 20, 55-60.	1.7	20
4	Short-term inhibition of spinal reflexes in multiple lower limb muscles after neuromuscular electrical stimulation of ankle plantar flexors. Experimental Brain Research, 2019, 237, 467-476.	1.5	20
5	Baseball pitching accuracy: an examination of various parameters when evaluating pitch locations. Sports Biomechanics, 2017, 16, 399-410.	1.6	16
6	Corticospinal Excitability Is Modulated as a Function of Postural Perturbation Predictability. Frontiers in Human Neuroscience, 2018, 12, 68.	2.0	15
7	The Effects of Temporal and Spatial Predictions on Stretch Reflexes of Ankle Flexor and Extensor Muscles While Standing. PLoS ONE, 2016, 11, e0158721.	2.5	13
8	Posture-related modulation of cortical excitability in the tibialis anterior muscle in humans. Brain Research, 2014, 1577, 29-35.	2.2	12
9	Mode-dependent control of human walking and running as revealed by split-belt locomotor adaptation. Journal of Experimental Biology, 2015, 218, 3192-8.	1.7	12
10	Influence of motor imagery on spinal reflex excitability of multiple muscles. Neuroscience Letters, 2018, 668, 55-59.	2.1	12
11	Repeatability of spinal reflexes of lower limb muscles evoked by transcutaneous spinal cord stimulation. PLoS ONE, 2019, 14, e0214818.	2.5	11
12	Aging effects on posture-related modulation of stretch reflex excitability in the ankle muscles in humans. Journal of Electromyography and Kinesiology, 2012, 22, 31-36.	1.7	10
13	Effects of breathing movement on the reduction of postural sway during postural-cognitive dual tasking. PLoS ONE, 2018, 13, e0197385.	2.5	10
14	Shortâ€term effect of electrical nerve stimulation on spinal reciprocal inhibition during robotâ€assisted passive stepping in humans. European Journal of Neuroscience, 2015, 42, 2283-2288.	2.6	9
15	Short-term effects of electrical nerve stimulation on spinal reciprocal inhibition depend on gait phase during passive stepping. Journal of Electromyography and Kinesiology, 2018, 38, 151-154.	1.7	7
16	Remarkable hand grip steadiness in individuals with complete spinal cord injury. Experimental Brain Research, 2019, 237, 3175-3183.	1.5	7
17	Presetting of the Corticospinal Excitability in the Tibialis Anterior Muscle in Relation to Prediction of the Magnitude and Direction of Postural Perturbations. Frontiers in Human Neuroscience, 2019, 13, 4.	2.0	6
18	Neural control of human gait and posture. The Journal of Physical Fitness and Sports Medicine, 2012, 1, 263-269.	0.3	5

#	Article	IF	Citations
19	Corticospinal Excitability of the Ankle Extensor Muscles Is Enhanced in Ballet Dancers. Medical Problems of Performing Artists, 2014, 29, 144-149.	0.4	5
20	Velocity-dependent transfer of adaptation in human running as revealed by split-belt treadmill adaptation. Experimental Brain Research, 2018, 236, 1019-1029.	1.5	5
21	Effect of Paired Associative Stimulation on Corticomotor Excitability in Chronic Smokers. Brain Sciences, 2019, 9, 62.	2.3	5
22	Effects on Postural Kinematics of Performing a Cognitive Task During Upright Standing. Perceptual and Motor Skills, 2020, 127, 639-650.	1.3	3
23	Effects of Aquatic Pole Walking on the Reduction of Spastic Hypertonia in a Patient with Hemiplegia: A Case Study. International Journal of Physical Medicine & Rehabilitation, 2017, 05, .	0.5	3
24	Unique controlling mechanisms underlying walking with two handheld poles in contrast to those of conventional walking as revealed by split-belt locomotor adaptation. Experimental Brain Research, 2019, 237, 1699-1707.	1.5	2
25	Effect of Long-Term Classical Ballet Dance Training on Postactivation Depression of the Soleus Hoffmann-Reflex. Motor Control, 2022, 26, 169-180.	0.6	2
26	Spatiotemporal characteristics of locomotor adaptation of walking with two handheld poles. Experimental Brain Research, 2020, 238, 2973-2982.	1.5	1