John E Misiaszek

List of Publications by Year
in descending order

54 papers	1,889 citations	218677 26 h-index	254184 43 g-index
55 all docs	55 docs citations	55 times ranked	1416 citing authors

#	Article	IF	Citations
1	Coupling of single cutaneous afferents in the hand with ankle muscles, and their response to rapid light touch displacements. Journal of Neurophysiology, 2022, 127, 1040-1053.	1.8	1
2	Self-directed rehabilitation training intensity thresholds for efficient recovery of skilled forelimb function in rats with cervical spinal cord injury. Experimental Neurology, 2021, 339, 113543.	4.1	21
3	Influence of a light touch reference on cutaneous reflexes from the hand during standing. Experimental Brain Research, 2021, 239, 787-796.	1.5	1
4	Lung volume recruitment improves volitional airway clearance in amyotrophic lateral sclerosis. Muscle and Nerve, 2021, 64, 676-682.	2.2	4
5	Influence of Pairing Startling Acoustic Stimuli with Postural Responses Induced by Light Touch Displacement. Applied Sciences (Switzerland), 2020, 10, 382.	2.5	2
6	Retraining walking over ground in a powered exoskeleton after spinal cord injury: a prospective cohort study to examine functional gains and neuroplasticity. Journal of NeuroEngineering and Rehabilitation, 2019, 16, 145.	4.6	36
7	The effect of light touch on standing sway when the stability of the external touch reference becomes unreliable. Experimental Brain Research, 2019, 237, 663-672.	1.5	4
8	Activation of ankle muscles following rapid displacement of a light touch contact during treadmill walking. Experimental Brain Research, 2018, 236, 563-576.	1.5	2
9	Balance reactions to light touch displacements when standing on foam. Neuroscience Letters, 2017, 639, 13-17.	2.1	8
10	Automatic postural responses following rapid displacement of a light touch contact during standing. Neuroscience, 2016, 316, 1-12.	2.3	15
11	The amplitude of interlimb cutaneous reflexes in the leg is influenced by fingertip touch and vision during treadmill locomotion. Experimental Brain Research, 2015, 233, 1773-1782.	1.5	10
12	Balance-corrective responses to unexpected perturbations at the arms during treadmill walking. Journal of Neurophysiology, 2014, 112, 1790-1800.	1.8	8
13	The effect of light touch on the amplitude of cutaneous reflexes in the arms during treadmill walking. Experimental Brain Research, 2014, 232, 2967-2976.	1.5	7
14	The contribution of light touch sensory cues to corrective reactions during treadmill locomotion. Experimental Brain Research, 2013, 226, 575-584.	1.5	19
15	The effects of lung volume recruitment on coughing and pulmonary function in patients with ALS. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2013, 14, 111-115.	1.7	30
16	Effects of ankle extensor muscle afferent inputs on hip abductor and adductor activity in the decerebrate walking cat. Journal of Neurophysiology, 2012, 108, 3034-3042.	1.8	3
17	Compensatory balance reactions during forward and backward walking on a treadmill. Gait and Posture, 2012, 35, 681-684.	1.4	6
18	Effects of weighted vests on classroom behavior for children with autism and cognitive impairments. Research in Autism Spectrum Disorders, 2011, 5, 495-505.	1.5	27

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19	Weighted Vests, Stereotyped Behaviors and Arousal in Children with Autism. Journal of Autism and Developmental Disorders, 2011, 41, 805-814.	2.7	44
20	Contribution of Hindpaw Cutaneous Inputs to the Control of Lateral Stability During Walking in the Cat. Journal of Neurophysiology, 2009, 102, 1711-1724.	1.8	31
21	Whole-Body Responses: Neural Control and Implications for Rehabilitation and Fall Prevention. Neuroscientist, 2009, 15, 36-46.	3.5	57
22	Training of Walking Skills Overground and on the Treadmill: Case Series on Individuals With Incomplete Spinal Cord Injury. Physical Therapy, 2009, 89, 601-611.	2.4	81
23	Reflex pathways connect receptors in the human lower leg to the erector spinae muscles of the lower back. Experimental Brain Research, 2009, 196, 217-227.	1.5	14
24	Adaptation of Cutaneous Stumble Correction When Tripping Is Part of the Locomotor Environment. Journal of Neurophysiology, 2008, 99, 2789-2797.	1.8	23
25	Phase-specific modulation of the soleus H-reflex as a function of threat to stability during walking. Experimental Brain Research, 2007, 181, 665-672.	1.5	17
26	Task specific adaptations in rat locomotion: Runway versus horizontal ladder. Behavioural Brain Research, 2006, 168, 272-279.	2.2	45
27	Context-Dependent Modulation of Interlimb Cutaneous Reflexes in Arm Muscles as a Function of Stability Threat During Walking. Journal of Neurophysiology, 2006, 96, 3096-3103.	1.8	32
28	Control of Frontal Plane Motion of the Hindlimbs in the Unrestrained Walking Cat. Journal of Neurophysiology, 2006, 96, 1816-1828.	1.8	20
29	Neural Control of Walking Balance. Exercise and Sport Sciences Reviews, 2006, 34, 128-134.	3.0	39
30	Adaptations in the Walking Pattern of Spinal Cord Injured Rats. Journal of Neurotrauma, 2006, 23, 897-907.	3.4	35
31	Postural uncertainty leads to dynamic control of cutaneous reflexes from the foot during human walking. Brain Research, 2005, 1062, 48-62.	2.2	55
32	Restricting arm use enhances compensatory reactions of leg muscles during walking. Experimental Brain Research, 2005, 161, 474-485.	1.5	30
33	Walking delays anticipatory postural adjustments but not reaction times in a choice reaction task. Experimental Brain Research, 2005, 163, 440-444.	1.5	4
34	Functional electrical stimulation using microstimulators to correct foot drop: a case study. Canadian Journal of Physiology and Pharmacology, 2004, 82, 784-792.	1.4	40
35	Early activation of arm and leg muscles following pulls to the waist during walking. Experimental Brain Research, 2003, 151, 318-329.	1.5	48
36	The H-reflex as a tool in neurophysiology: Its limitations and uses in understanding nervous system function. Muscle and Nerve, 2003, 28, 144-160.	2.2	289

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37	Vibration-induced inhibition of the early components of the tibial nerve somatosensory evoked potential is mediated at a spinal synapse. Clinical Neurophysiology, 2001, 112, 324-329.	1.5	4
38	Functional role of muscle reflexes for force generation in the decerebrate walking cat. Journal of Physiology, 2000, 525, 781-791.	2.9	78
39	Use-dependent gain change in the reflex contribution to extensor activity in walking cats. Brain Research, 2000, 883, 131-134.	2.2	31
40	Early corrective reactions of the leg to perturbations at the torso during walking in humans. Experimental Brain Research, 2000, 131, 511-523.	1.5	32
41	Crossed inhibition of the soleus H reflex during passive pedalling movement. Brain Research, 1998, 779, 280-284.	2.2	44
42	Movement-induced modulation of soleus H reflexes with altered length of biarticular muscles. Brain Research, 1998, 795, 25-36.	2.2	25
43	SENSORI-SENSORY AFFERENT CONDITIONING WITH LEG MOVEMENT: GAIN CONTROL IN SPINAL REFLEX AND ASCENDING PATHS. Progress in Neurobiology, 1997, 51, 393-421.	5.7	226
44	Stretch of Quadriceps Inhibits the Soleus H Reflex During Locomotion in Decerebrate Cats. Journal of Neurophysiology, 1997, 78, 2975-2984.	1.8	31
45	Modulation of H reflexes in human tibialis anterior muscle with passive movement. Brain Research, 1997, 766, 236-239.	2.2	15
46	Movement-induced gain modulation of somatosensory potentials and soleus H-reflexes evoked from the leg I. Kinaesthetic task demands. Experimental Brain Research, 1997, 115, 147-155.	1.5	59
47	Movement-induced gain modulation of somatosensory potentials and soleus H-reflexes evoked from the leg II. Correlation with rate of stretch of extensor muscles of the leg. Experimental Brain Research, 1997, 115, 156-164.	1.5	22
48	H-reflex modulation during reverse passive pedalling. Journal of Electromyography and Kinesiology, 1996, 6, 111-116.	1.7	2
49	The relationship between the kinematics of passive movement, the stretch of extensor muscles of the leg and the change induced in the gain of the soleus H reflex in humans. Brain Research, 1995, 672, 89-96.	2.2	63
50	Long-lasting inhibition of the human soleus H reflex pathway after passive movement. Brain Research, 1995, 677, 69-81.	2.2	38
51	Mechanisms within the human spinal cord suppress fast reflexes to control the movement of the legs. Brain Research, 1995, 679, 255-260.	2.2	27
52	Long-lasting conditioning of the human soleus H reflex following quadriceps tendon tap. Brain Research, 1995, 681, 197-200.	2.2	28
53	Movement-induced depression of soleus H reflexes is consistent in humans over the range of excitatory afferents involved. Brain Research, 1995, 702, 271-274.	2.2	14
54	Locomotor-Like Rotation of Either Hip or Knee Inhibits Soleus H Reflexes in Humans. Somatosensory & Motor Research, 1993, 10, 357-364.	0.9	41