Marco Schieppati

List of Publications by Year
in descending order

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180	10,242	26630 56	39675 94
papers	citations	h-index	g-index

186	186	186	5690
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Hoffmann reflex: A means of assessing spinal reflex excitability and its descending control in man. Progress in Neurobiology, 1987, 28, 345-376.	5.7	540
2	Selective recruitment of highâ€threshold human motor units during voluntary isotonic lengthening of active muscles.. Journal of Physiology, 1989, 409, 451-471.	2.9	490
3	Can Muscle Stiffness Alone Stabilize Upright Standing?. Journal of Neurophysiology, 1999, 82, 1622-1626.	1.8	376
4	FREE AND SUPPORTED STANCE IN PARKINSON'S DISEASE: THE EFFECT OF POSTURE AND 'POSTURAL SET' ON LEG MUSCLE RESPONSES TO PERTURBATION, AND ITS RELATION TO THE SEVERITY OF THE DISEASE. Brain, 1991, 114, 1227-1244.	7.6	254
5	Human walking along a curved path. I. Body trajectory, segment orientation and the effect of vision. European Journal of Neuroscience, 2003, 18, 177-190.	2.6	238
6	Fatigue effects on body balance. Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control, 1997, 105, 309-320.	1.4	232
7	The limits of equilibrium in young and elderly normal subjects and in parkinsonians. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1994, 93, 286-298.	2.0	220
8	Shift of activity from slow to fast muscle during voluntary lengthening contractions of the triceps surae muscles in humans.. Journal of Physiology, 1988, 395, 363-381.	2.9	202
9	Human walking along a curved path. II. Gait features and EMG patterns. European Journal of Neuroscience, 2003, 18, 191-205.	2.6	158
10	Interhemispheric transfer of voluntary motor commands in man. Electroencephalography and Clinical Neurophysiology, 1984, 57, 441-447.	0.3	149
11	Postural adjustments associated with voluntary contraction of leg muscles in standing man. Experimental Brain Research, 1988, 69, 469-80.	1.5	146
12	Neck muscle fatigue affects postural control in man. Neuroscience, 2003, 121, 277-285.	2.3	137
13	Imagined and actual arm movements have similar durations when performed under different conditions of direction and mass. Experimental Brain Research, 2002, 143, 447-452.	1.5	136
14	Reflex excitability of human soleus motoneurones during voluntary shortening or lengthening contractions.. Journal of Physiology, 1987, 390, 271-284.	2.9	135
15	Medium-Latency Stretch Reflexes of Foot and Leg Muscles Analysed by Cooling the Lower Limb in Standing Humans. Journal of Physiology, 1997, 503, 691-698.	2.9	134
16	Tuning of a Basic Coordination Pattern Constructs Straight-Ahead and Curved Walking in Humans. Journal of Neurophysiology, 2004, 91, 1524-1535.	1.8	134
17	Balance control in peripheral neuropathy: Are patients equally unstable under static and dynamic conditions?. Gait and Posture, 2006, 23, 364-373.	1.4	127
18	The excitability of the human motor cortex increases during execution and mental imagination of sequential but not repetitive finger movements. Experimental Brain Research, 1996, 111, 465-72.	1.5	124

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19	Human stance stability improves with the repetition of the task: effect of foot position and visual condition. Neuroscience Letters, 1997, 228, 75-78.	2.1	117
20	Electrical and mechanical H_{max}-to-M_{max}ratio in power- and endurance-trained athletes. Journal of Applied Physiology, 2001, 90, 3-9.	2.5	116
21	Does order and timing in performance of imagined and actual movements affect the motor imagery process? The duration of walking and writing task. Behavioural Brain Research, 2002, 134, 209-215.	2.2	116
22	Neck Muscle Vibration and Spatial Orientation During Stepping in Place in Humans. Journal of Neurophysiology, 2002, 88, 2232-2241.	1.8	115
23	Effects of leg muscle tendon vibration on group Ia and group II reflex responses to stance perturbation in humans. Journal of Physiology, 2003, 550, 617-630.	2.9	114
24	Natural cutaneous stimulation induces late and long-lasting facilitation of extensor motoneurons in the cat. Brain Research, 1984, 293, 259-267.	2.2	110
25	Response of arm flexor muscles to magnetic and electrical brain stimulation during shortening and lengthening tasks in man.. Journal of Physiology, 1994, 481, 499-507.	2.9	110
26	RESPONSES OF LEG MUSCLES IN HUMANS DISPLACED WHILE STANDING. Brain, 1990, 113, 65-84.	7.6	109
27	From activity to rest: gating of excitatory autogenetic afferences from the relaxing muscle in man. Experimental Brain Research, 1984, 56, 448-57.	1.5	105
28	Standing on a continuously moving platform: is body inertia counteracted or exploited?. Experimental Brain Research, 1999, 124, 331-341.	1.5	99
29	Early and late stretch responses of human foot muscles induced by perturbation of stance. Experimental Brain Research, 1990, 105, 411-22.	1.5	97
30	Selective depression of mediumâ€latency leg and foot muscle responses to stretch by an alpha 2â€agonist in humans.. Journal of Physiology, 1995, 484, 803-809.	2.9	97
31	Equilibrium during static and dynamic tasks in blind subjects: no evidence of cross-modal plasticity. Brain, 2007, 130, 2097-2107.	7.6	96
32	Trajectories of arm pointing movements on the sagittal plane vary with both direction and speed. Experimental Brain Research, 2003, 148, 498-503.	1.5	95
33	Time course of stabilometric changes after a strenuous treadmill exercise. Archives of Physical Medicine and Rehabilitation, 1998, 79, 920-924.	0.9	93
34	Subjective perception of body sway. Journal of Neurology, Neurosurgery and Psychiatry, 1999, 66, 313-322.	1.9	92
35	Changes in Postural Control in Hemiplegic Patients After Stroke Performing a Dual Task. Archives of Physical Medicine and Rehabilitation, 2007, 88, 1009-1015.	0.9	88
36	Neck Proprioception Shapes Body Orientation and Perception of Motion. Frontiers in Human Neuroscience, 2014, 8, 895.	2.0	88

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37	Stance- and Locomotion-Dependent Processing of Vibration-Induced Proprioceptive Inflow From Multiple Muscles in Humans. Journal of Neurophysiology, 2007, 97, 772-779.	1.8	87
38	Comparison of intracortical inhibition and facilitation in distal and proximal arm muscles in humans. Journal of Physiology, 1999, 514, 895-903.	2.9	85
39	Loss of large-diameter spindle afferent fibres is not detrimental to the control of body sway during upright stance: evidence from neuropathy. Experimental Brain Research, 2000, 135, 155-162.	1.5	82
40	Group II spindle fibres and afferent control of stance. Clues from diabetic neuropathy. Clinical Neurophysiology, 2004, 115, 779-789.	1.5	81
41	Neck muscle vibration disrupts steering of locomotion. Journal of Applied Physiology, 2001, 91, 581-588.	2.5	80
42	Intracortical inhibition and facilitation are abnormal in Huntington's disease: a paired magnetic stimulation study. Neuroscience Letters, 1997, 228, 87-90.	2.1	79
43	Selective facilitation of responses to cortical stimulation of proximal and distal arm muscles by precision tasks in man.. Journal of Physiology, 1996, 491, 551-562.	2.9	78
44	Coordinated modulation of locomotor muscle synergies constructs straight-ahead and curvilinear walking in humans. Experimental Brain Research, 2006, 170, 320-335.	1.5	78
45	The Functional Role of the Triceps Surae Muscle during Human Locomotion. PLoS ONE, 2013, 8, e52943.	2.5	78
46	Balance in Parkinson's disease under static and dynamic conditions. Movement Disorders, 2006, 21, 1515-1520.	3.9	77
47	Stabilometry is a predictor of gait performance in chronic hemiparetic stroke patients. Gait and Posture, 2009, 30, 5-10.	1.4	77
48	Different activations of the soleus and gastrocnemii muscles in response to various types of stance perturbation in man. Experimental Brain Research, 1990, 80, 323-32.	1.5	74
49	Comparison of Cawthorne-Cooksey exercises and sinusoidal support surface translations to improve balance in patients with unilateral vestibular deficit11No commercial party having a direct financial interest in the results of the research supporting this article has or will confer a benefit upon the author(s) or upon any organization with which the author(s) is/are associated.. Archives of Physical Medicine and Rehabilitation, 2003, 84, 1173-1184.	0.9	74
50	Influence of aging on leg muscle reflex responses to stance perturbation. Archives of Physical Medicine and Rehabilitation, 1995, 76, 158-165.	0.9	68
51	Medium-latency response to muscle stretch in human lower limb: estimation of conduction velocity of group II fibres and central delay. Neuroscience Letters, 1998, 249, 29-32.	2.1	67
52	Stance control is not affected by paresis and reflex hyperexcitability: the case of spastic patients. Journal of Neurology, Neurosurgery and Psychiatry, 2001, 70, 635-643.	1.9	67
53	Short-latency cortical potentials evoked by tactile air-jet stimulation of body and face in man. Electroencephalography and Clinical Neurophysiology, 1984, 58, 418-425.	0.3	63
54	Leg muscle activity during tandem stance and the control of body balance in the frontal plane. Clinical Neurophysiology, 2013, 124, 1175-1186.	1.5	63

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55	Variability in a dynamic postural task attests ample flexibility in balance control mechanisms. Experimental Brain Research, 2002, 144, 200-210.	1.5	62
56	Head stabilization on a continuously oscillating platform: the effect of a proprioceptive disturbance on the balancing strategy. Experimental Brain Research, 2005, 165, 261-272.	1.5	61
57	Engagement of the Rat Hindlimb Motor Cortex across Natural Locomotor Behaviors. Journal of Neuroscience, 2016, 36, 10440-10455.	3.6	60
58	Protective effects of glutathione on cisplatin neurotoxicity in rats. International Journal of Radiation Oncology Biology Physics, 1994, 29, 771-776.	0.8	58
59	Chapter 43 Group II Spindle Afferent Fibers in Humans: their Possible Role in the Reflex Control of Stance. Progress in Brain Research, 1999, 123, 461-472.	1.4	57
60	Postural coordination in elderly subjects standing on a periodically moving platform. Archives of Physical Medicine and Rehabilitation, 2000, 81, 1217-1223.	0.9	57
61	Neck proprioception and spatial orientation in cervical dystonia. Brain, 2004, 127, 2764-2778.	7.6	57
62	Balance control in Sensory Neuron Disease. Clinical Neurophysiology, 2007, 118, 538-550.	1.5	57
63	Neck muscle fatigue and postural control in patients with whiplash injury. Clinical Neurophysiology, 2006, 117, 610-622.	1.5	56
64	Convergence of Ia fibres from synergistic and antagonistic muscles onto interneurones inhibitory to soleus in humans.. Journal of Physiology, 1990, 431, 365-377.	2.9	52
65	Time course of â€˜setâ€™â€related changes in muscle responses to stance perturbation in humans.. Journal of Physiology, 1995, 487, 787-796.	2.9	51
66	Continuous, bilateral Achillesâ€™ tendon vibration is not detrimental to human walk. Brain Research Bulletin, 2001, 55, 107-115.	3.0	51
67	Alternate rhythmic vibratory stimulation of trunk muscles affects walking cadence and velocity in Parkinsonâ€™s disease. Clinical Neurophysiology, 2010, 121, 240-247.	1.5	51
68	Task-dependent effects evoked by foot muscle afferents on leg muscle activity in humans. Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control, 1996, 101, 339-348.	1.4	50
69	By counteracting gravity, triceps surae sets both kinematics and kinetics of gait. Physiological Reports, 2014, 2, e00229.	1.7	50
70	Balance Rehabilitation by Moving Platform and Exercises in Patients With Neuropathy or Vestibular Deficit. Archives of Physical Medicine and Rehabilitation, 2010, 91, 1869-1877.	0.9	49
71	Short-latency inhibition of soleus motoneurones by impulses in Ia afferents from the gastrocnemius muscle in humans.. Journal of Physiology, 1989, 416, 469-484.	2.9	48
72	The control of equilibrium in Parkinson's disease patients: Delayed adaptation of balancing strategy to shifts in sensory set during a dynamic task. Brain Research Bulletin, 2007, 74, 258-270.	3.0	48

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73	The Neuro-Mechanical Processes That Underlie Goal-Directed Medio-Lateral APA during Gait Initiation. Frontiers in Human Neuroscience, 2016, 10, 445.	2.0	48
74	Tuning of Muscle Synergies During Walking Along Rectilinear and Curvilinear Trajectories in Humans. Annals of Biomedical Engineering, 2017, 45, 1204-1218.	2.5	47
75	Adaptation to continuous perturbation of balance: Progressive reduction of postural muscle activity with invariant or increasing oscillations of the center of mass depending on perturbation frequency and vision conditions. Human Movement Science, 2011, 30, 262-278.	1.4	46
76	Sensorimotor integration during stance: Processing time of active or passive addition or withdrawal of visual or haptic information. Neuroscience, 2012, 212, 59-76.	2.3	46
77	The posture-related interaction between Ia-afferent and descending input on the spinal reflex excitability in humans. Neuroscience Letters, 2006, 397, 301-306.	2.1	45
78	Instrumental or Physical-Exercise Rehabilitation of Balance Improves Both Balance and Gait in Parkinsonâ€™s Disease. Neural Plasticity, 2018, 2018, 1-17.	2.2	45
79	Different effect of height on latency of leg and foot short- and medium-latency EMG responses to perturbation of stance in humans. Neuroscience Letters, 1996, 206, 89-92.	2.1	43
80	Botulinum toxin in post-stroke patients: stiffness modifications and clinical implications. Journal of Neurology, 2004, 251, 189-196.	3.6	43
81	Unilateral displacement of lower limb evokes bilateral EMG responses in leg and foot muscles in standing humans. Experimental Brain Research, 1996, 109, 83-91.	1.5	42
82	Reflex contribution of spindle group Ia and II afferent input to leg muscle spasticity as revealed by tendon vibration in hemiparesis. Clinical Neurophysiology, 2005, 116, 1370-1381.	1.5	42
83	Patterns of activity of perioral facial muscles during mastication in man. Experimental Brain Research, 1989, 77, 103-112.	1.5	41
84	Interaction between vision and neck proprioception in the control of stance. Neuroscience, 2009, 164, 1601-1608.	2.3	41
85	Test-retest reliability of an insole plantar pressure system to assess gait along linear and curved trajectories. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 95.	4.6	40
86	Sensori-motor integration during stance: Time adaptation of control mechanisms on adding or removing vision. Human Movement Science, 2011, 30, 172-189.	1.4	39
87	Lack of On-Going Adaptations in the Soleus Muscle Activity During Walking in Patients Affected by Large-Fiber Neuropathy. Journal of Neurophysiology, 2005, 93, 3075-3085.	1.8	37
88	Trunk muscle proprioceptive input assists steering of locomotion. Neuroscience Letters, 2005, 384, 127-132.	2.1	37
89	Walking along circular trajectories in Parkinson's disease. Movement Disorders, 2009, 24, 598-604.	3.9	37
90	Influences of transcutaneous electrical stimulation of cutaneous and mixed nerves on subcortical and cortical somatosensory evoked potentials. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1989, 74, 24-35.	2.0	35

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91	Role of SEP in identifying patients requiring temporary shunt during carotid endarterectomy. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1992, 84, 426-432.	2.0	35
92	Neck muscle fatigue and spatial orientation during stepping in place in humans. Journal of Applied Physiology, 2005, 99, 141-153.	2.5	35
93	Muscle relaxation in Parkinson's disease: A reaction time study. Movement Disorders, 1996, 11, 411-420.	3.9	33
94	Time to reconfigure balancing behaviour in man: changing visual condition while riding a continuously moving platform. Experimental Brain Research, 2007, 178, 18-36.	1.5	33
95	Prolonged asymmetric vestibular stimulation induces opposite, longâ€term effects on selfâ€motion perception and ocular responses. Journal of Physiology, 2013, 591, 1907-1920.	2.9	33
96	Gait abnormalities of COPD are not directly related to respiratory function. Gait and Posture, 2017, 58, 352-357.	1.4	33
97	Graded changes in balancing behavior as a function of visual acuity. Neuroscience, 2008, 153, 1079-1091.	2.3	31
98	Stance ataxia and delayed leg muscle responses to postural perturbations in cervical spondylotic myelopathy. Journal of Rehabilitation Medicine, 2008, 40, 539-547.	1.1	31
99	Long-lasting effects of neck muscle vibration and contraction on self-motion perception of vestibular origin. Clinical Neurophysiology, 2015, 126, 1886-1900.	1.5	31
100	Body Sway Increases After Functional Inactivation of the Cerebellar Vermis by cTBS. Cerebellum, 2017, 16, 1-14.	2.5	31
101	Excitability of reciprocal and recurrent inhibitory pathways after voluntary muscle relaxation in man. Experimental Brain Research, 1985, 59, 249-56.	1.5	30
102	The postural disorientation induced by neck muscle vibration subsides on lightly touching a stationary surface or aiming at it. Neuroscience, 2006, 143, 1095-1103.	2.3	30
103	Walking Along Curved Trajectories. Changes With Age and Parkinson's Disease. Hints to Rehabilitation. Frontiers in Neurology, 2019, 10, 532.	2.4	30
104	Effects of stimulus intensity, cervical cord tractotomies and cerebellectomy on somatosensory evoked potentials from skin and muscle afferents of cat hind limb. Electroencephalography and Clinical Neurophysiology, 1981, 51, 363-372.	0.3	29
105	Activation of the neck muscles from the ipsi- or contralateral hemisphere during voluntary head movements in humans. A reaction-time study. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1992, 85, 183-189.	2.0	29
106	Alternate trains of postural muscle vibration promote cyclic body displacement in standing parkinsonian patients. Movement Disorders, 2008, 23, 2186-2193.	3.9	29
107	Self-motion perception and vestibulo-ocular reflex during whole body yaw rotation in standing subjects: The role of head position and neck proprioception. Human Movement Science, 2011, 30, 314-332.	1.4	28
108	Inhibition of jaw-closing muscle activity by tactile air-jet stimulation of peri- and intra-oral sites in man. Archives of Oral Biology, 1986, 31, 273-278.	1.8	27

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109	Recurrent and reciprocal inhibition of the human monosynaptic reflex shows opposite changes following intravenous administration of acetylcarnitine. Acta Physiologica Scandinavica, 1991, 143, 27-32.	2.2	26
110	Inhibitory effect of the Jendrassik maneuver on the stretch reflex. Neuroscience, 2008, 156, 607-617.	2.3	26
111	Effect of fatigue on the precision of a whole-body pointing task. Neuroscience, 2006, 139, 909-920.	2.3	25
112	Quiet stance control is affected by prior treadmill but not overground locomotion. European Journal of Applied Physiology, 2007, 100, 331-339.	2.5	25
113	The shortening reaction of forearm muscles: the influence of central set. Clinical Neurophysiology, 2001, 112, 884-894.	1.5	24
114	Time-interval for integration of stabilizing haptic and visual information in subjects balancing under static and dynamic conditions. Frontiers in Systems Neuroscience, 2014, 8, 190.	2.5	24
115	Cognitive performance during gait is worsened by overground but enhanced by treadmill walking. Gait and Posture, 2020, 76, 182-187.	1.4	24
116	The generation of centripetal force when walking in a circle: insight from the distribution of ground reaction forces recorded by plantar insoles. Journal of NeuroEngineering and Rehabilitation, 2015, 12, 4.	4.6	23
117	Responsiveness and minimal clinically important difference of the Mini-BESTest in patients with Parkinsonâ€™s disease. Gait and Posture, 2020, 80, 14-19.	1.4	23
118	Voluntary muscle release is not accompanied by H-reflex inhibition in patients with upper moto neuron lesions. Neuroscience Letters, 1985, 61, 177-181.	2.1	22
119	Postural responses to continuous unilateral neck muscle vibration in standing patients with cervical dystonia. Movement Disorders, 2007, 22, 498-503.	3.9	22
120	Curved walking in hemiparetic patients. Journal of Rehabilitation Medicine, 2010, 42, 858-865.	1.1	22
121	Rapid processing of haptic cues for postural control in blind subjects. Clinical Neurophysiology, 2014, 125, 1427-1439.	1.5	22
122	Processing time of addition or withdrawal of single or combined balance-stabilizing haptic and visual information. Journal of Neurophysiology, 2015, 114, 3097-3110.	1.8	22
123	Intensive cycle ergometer training improves gait speed and endurance in patients with Parkinsonâ€™s disease: A comparison with treadmill training. Restorative Neurology and Neuroscience, 2015, 34, 125-138.	0.7	21
124	Abnormal gait pattern emerges during curved trajectories in high-functioning Parkinsonian patients walking in line at normal speed. PLoS ONE, 2018, 13, e0197264.	2.5	21
125	Central and peripheral coordination in movement sequences. Psychological Research, 1993, 55, 124-130.	1.7	19
126	Short-latency neck muscle responses to vertical body tilt in normal subjects and in patients with spasmodic torticollis. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1994, 93, 265-275.	2.0	19

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127	Basal forebrain and hypothalamic influences upon brain stem neurons. Brain Research, 1976, 107, 487-497.	2.2	18
128	Afferent control of walking: Are there distinct deficits associated to loss of fibres of different diameter?. Clinical Neurophysiology, 2014, 125, 327-335.	1.5	18
129	Calibration of the Leg Muscle Responses Elicited by Predictable Perturbations of Stance and the Effect of Vision. Frontiers in Human Neuroscience, 2016, 10, 419.	2.0	18
130	Subjective stability perception is related to postural anxiety in older subjects. Gait and Posture, 2019, 68, 538-544.	1.4	17
131	Specific Posture-Stabilising Effects of Vision and Touch Are Revealed by Distinct Changes of Body Oscillation Frequencies. Frontiers in Neurology, 2021, 12, 756984.	2.4	16
132	The relative contribution to the plantar-flexor torque of the soleus motor units activated by the H reflex and M response in humans. Neuroscience Letters, 2000, 288, 127-130.	2.1	15
133	Effects of balance and gait rehabilitation in cerebellar disease of vascular or degenerative origin. Restorative Neurology and Neuroscience, 2014, 32, 233-245.	0.7	15
134	Enhancement of recurrent inhibition by intravenous administration of L-acetylcarnitine in spastic patients.. Journal of Neurology, Neurosurgery and Psychiatry, 1990, 53, 321-326.	1.9	13
135	Effects of deep barbiturate coma on acute spinal cord injury in the cat. World Neurosurgery, 1984, 21, 405-413.	1.3	12
136	Post-effect of forward and backward locomotion on body orientation in space during quiet stance. European Journal of Applied Physiology, 2009, 105, 297-307.	2.5	12
137	Body sway adaptation to addition but not withdrawal of stabilizing visual information is delayed by a concurrent cognitive task. Journal of Neurophysiology, 2017, 117, 777-785.	1.8	12
138	Postsynaptic changes in sensorimotor cortical neurons during brain stem reticular activation. Brain Research, 1979, 163, 156-160.	2.2	11
139	Human Balance in Response to Continuous, Predictable Translations of the Support Base: Integration of Sensory Information, Adaptation to Perturbations, and the Effect of Age, Neuropathy and Parkinsonâ€™s Disease. Applied Sciences (Switzerland), 2019, 9, 5310.	2.5	11
140	Cutaneous and muscular afferents from the foot and sensory fusion processing: Physiology and pathology in neuropathies. Journal of the Peripheral Nervous System, 2021, 26, 17-34.	3.1	11
141	Long-latency, nonreciprocal reflex responses of antagonistic hind limb muscles after cutaneous nerve stimulation in the cat. Experimental Neurology, 1982, 76, 58-71.	4.1	10
142	Spinal and supraspinal stretch responses of postural muscles in early Parkinsonian patients. Experimental Neurology, 2012, 237, 407-417.	4.1	10
143	Analogy, explanation, and proof. Frontiers in Human Neuroscience, 2014, 8, 867.	2.0	10
144	Hypothalamic and amygdaloid influences upon sensorimotor cortical neurons. Brain Research, 1978, 158, 223-228.	2.2	9

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145	Influences of locus ceruleus, raphe dorsalis, and periaqueductal gray matter on somatosensory-recipient thalamic nuclei. Experimental Neurology, 1983, 82, 698-705.	4.1	9
146	Concurrent changes in shortening reaction latency and reaction time of forearm muscles in post-stroke patients. Neurological Sciences, 2006, 26, 402-410.	1.9	9
147	Haptic Cues for Balance: Use of a Cane Provides Immediate Body Stabilization. Frontiers in Neuroscience, 2017, 11, 705.	2.8	9
148	Vision Does Not Necessarily Stabilize the Head in Space During Continuous Postural Perturbations. Frontiers in Neurology, 2019, 10, 748.	2.4	9
149	Effects of thoracic dorsal rhizotomy or vagotomy on inspiratory muscle activity at various levels of chemical drive. Respiration Physiology, 1982, 50, 221-238.	2.7	8
150	Simulation of post-tetanic potentiation and fatigue in muscle using a visco-elastic model. Biological Cybernetics, 1982, 44, 129-133.	1.3	8
151	The complex role of spindle afferent input, as evidenced by the study of posture control in normal subjects and patients. Neurological Sciences, 2001, 22, S15-S20.	1.9	8
152	Curved Walking Rehabilitation with a Rotating Treadmill in Patients with Parkinsonâ€™s Disease: A Proof of Concept. Frontiers in Neurology, 2017, 8, 53.	2.4	8
153	Adaptation of balancing behaviour during continuous perturbations of stance. Supra-postural visual tasks and platform translation frequency modulate adaptation rate. PLoS ONE, 2020, 15, e0236702.	2.5	8
154	Effect of Age, Chronic Diseases and Parkinsonism on Postural Control. , 1993, , 355-373.		8
155	A pathophysiological model of gait captures the details of the impairment of pace/rhythm, variability and asymmetry in Parkinsonian patients at distinct stages of the disease. Scientific Reports, 2021, 11, 21143.	3.3	7
156	Stepping in Place While Voluntarily Turning Around Produces a Long-Lasting Posteffect Consisting in Inadvertent Turning While Stepping Eyes Closed. Neural Plasticity, 2016, 2016, 1-14.	2.2	6
157	Balance in Blind Subjects: Cane and Fingertip Touch Induce Similar Extent and Promptness of Stance Stabilization. Frontiers in Neuroscience, 2018, 12, 639.	2.8	6
158	Balance Adaptation While Standing on a Compliant Base Depends on the Current Sensory Condition in Healthy Young Adults. Frontiers in Human Neuroscience, 2022, 16, 839799.	2.0	6
159	Spinal pathways mediating somatosensory evoked potentials from cutaneous and muscle nerves in the cat. Acta Neurochirurgica, 1980, 52, 99-104.	1.7	5
160	The limits of equilibrium in young and elderly normal subjects and in parkinsonians. Electroencephalography and Clinical Neurophysiology, 1994, 93, 286-298.	0.3	5
161	A Simple Method for Measuring the Changeable Mechanical Action of Unloader Knee Braces for Osteoarthritis. Irbm, 2018, 39, 136-142.	5.6	4
162	Basic Spatiotemporal Gait Variables of Young and Older Healthy Volunteers Walking Along a Novel Figure-of-8 Path. Frontiers in Neurology, 2021, 12, 698160.	2.4	4

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163	Potentiation of muscle strength by focal vibratory stimulation on quadriceps femoris. Giornale Italiano Di Medicina Del Lavoro Ed Ergonomia, 2018, 40, 90-96.	0.3	4
164	Changes in the pause in muscle spindle discharge during a sequence of twitches. Experimental Neurology, 1978, 60, 201-212.	4.1	3
165	RÃ©manence de lâ€™effet vibratoire durant la marche humaine. SociÃ©tÃ© De Biologie Journal, 2001, 195, 443-446.	0.3	3
166	A new hip-knee-ankle-foot sling: Kinematic comparison with a traditional ankle-foot orthosis. Journal of Rehabilitation Research and Development, 2004, 41, 707.	1.6	3
167	Podokinetic After-Rotation Is Transiently Enhanced or Reversed by Unilateral Axial Muscle Proprioceptive Stimulation. Neural Plasticity, 2019, 2019, 1-11.	2.2	3
168	Preferential Activation of the Sternocleidomastoid Muscles by the Ipsilateral Motor Cortex during Voluntary Rapid Head Rotations in Humans. , 1992, , 597-600.		3
169	Tonic contraction of calf muscles by non-tetanic stimulation of popliteal nerve in man. Electroencephalography and Clinical Neurophysiology, 1974, 37, 299-300.	0.3	2
170	Mesencephalic and bulbar reticular formation influences on somatosensory transmission through the thalamus. Electroencephalography and Clinical Neurophysiology, 1982, 53, 338-342.	0.3	2
171	Mesencephalic and Bulbar Reticular Influences on Somatosensory Cortical Neurons: Short- and Long-Latency Effects. Sleep, 1983, 6, 186-195.	1.1	2
172	Balance in patients with Marfan syndrome. Translational Science of Rare Diseases, 2018, 3, 145-156.	1.5	2
173	Incongruity of Geometric and Spectral Markers in the Assessment of Body Sway. Frontiers in Neurology, 0, 13, .	2.4	2
174	Physiologically versus electrically evoked somatosensory cortical potentials. Electroencephalography and Clinical Neurophysiology, 1983, 56, S73-S74.	0.3	1
175	Changes in the Normal Pattern of H-Reflex Inhibition During Muscle Release in ALS. , 1987, 209, 155-158.		1
176	Reflex excitability of motoneurones during and after release of voluntary muscle contraction in man. Electroencephalography and Clinical Neurophysiology, 1983, 56, S167-S168.	0.3	0
177	Muscle release is not accompanied by H-reflex inhibition in spastic patients. Electroencephalography and Clinical Neurophysiology, 1985, 61, S208.	0.3	0
178	Reply to Commentary by Miguel FernÃ¡ndez-del-Olmo on â€œIntensive cycle ergometer training improves gait speed and endurance in patients with Parkinsonâ€™s disease: A comparison with treadmill trainingâ€• by Arcolin et al., 2016. Restorative Neurology and Neuroscience, 2016, 34, 693-695.	0.7	0
179	Post-Effect on the Centre of Feet Pressure during Stance by Continuous Asymmetric Mediolateral Translations of a Supporting Platformâ€”A Preliminary Study in Healthy Young Adults. Applied Sciences (Switzerland), 2020, 10, 5969.	2.5	0
180	Do Secondary Spindle Afferent Fibres Play a Role in the Late Response to Stretch of Leg Muscles in Humans?. , 1995, , 529-532.		0