Jens B Nielsen

List of Publications by Year
in descending order

241 papers	14,306 citations	17405 63 h-index	24915 109 g-index
242 all docs	242 docs citations	242 times ranked	8515 citing authors

#	Article	IF	Citations
1	Sensitivity of monosynaptic test reflexes to facilitation and inhibition as a function of the test reflex size: a study in man and the cat. Experimental Brain Research, 1990, 81, 35-45.	0.7	467
2	Motor skill training induces changes in the excitability of the leg cortical area in healthy humans. Experimental Brain Research, 2004, 159, 197-205.	0.7	396
3	On the mechanism of the post-activation depression of the H-reflex in human subjects. Experimental Brain Research, 1996, 108, 450-62.	0.7	385
4	The effects of cardiovascular exercise on human memory: A review with meta-analysis. Neuroscience and Biobehavioral Reviews, 2013, 37, 1645-1666.	2.9	342
5	The spinal pathophysiology of spasticity ? from a basic science point of view. Acta Physiologica, 2007, 189, 171-180.	1.8	328
6	Motor skill training and strength training are associated with different plastic changes in the central nervous system. Journal of Applied Physiology, 2005, 99, 1558-1568.	1.2	322
7	The motor cortex drives the muscles during walking in human subjects. Journal of Physiology, 2012, 590, 2443-2452.	1.3	282
8	Reciprocal Ia inhibition between ankle flexors and extensors in man.. Journal of Physiology, 1987, 389, 163-185.	1.3	273
9	Methodological implications of the post activation depression of the soleus H-reflex in man. Experimental Brain Research, 1989, 78, 28-32.	0.7	273
10	Acute exercise improves motor memory: Exploring potential biomarkers. Neurobiology of Learning and Memory, 2014, 116, 46-58.	1.0	261
11	Spasticity-assessment: a review. Spinal Cord, 2006, 44, 708-722.	0.9	259
12	Major role for sensory feedback in soleus EMG activity in the stance phase of walking in man. Journal of Physiology, 2000, 523, 817-827.	1.3	257
13	How we Walk: Central Control of Muscle Activity during Human Walking. Neuroscientist, 2003, 9, 195-204.	2.6	229
14	Taskâ€related changes in the effect of magnetic brain stimulation on spinal neurones in man.. Journal of Physiology, 1993, 471, 223-243.	1.3	210
15	Suppression of EMG activity by transcranial magnetic stimulation in human subjects during walking. Journal of Physiology, 2001, 537, 651-656.	1.3	210
16	A Single Bout of Exercise Improves Motor Memory. PLoS ONE, 2012, 7, e44594.	1.1	206
17	The regulation of presynaptic inhibition during coâ€contraction of antagonistic muscles in man.. Journal of Physiology, 1993, 464, 575-593.	1.3	201
18	Distinguishing active from passive components of ankle plantar flexor stiffness in stroke, spinal cord injury and multiple sclerosis. Clinical Neurophysiology, 2010, 121, 1939-1951.	0.7	200

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19	Premotor cortex modulates somatosensory cortex during voluntary movements without proprioceptive feedback. Nature Neuroscience, 2007, 10, 417-419.	7.1	195
20	Is presynaptic inhibition distributed to corticospinal fibres in man?. Journal of Physiology, 1994, 477, 47-58.	1.3	191
21	Group II muscle afferents probably contribute to the medium latency soleus stretch reflex during walking in humans. Journal of Physiology, 2001, 534, 925-933.	1.3	190
22	Appearance of reciprocal facilitation of ankle extensors from ankle flexors in patients with stroke or spinal cord injury. Brain, 2003, 126, 495-507.	3.7	188
23	Modulation of presynaptic inhibition and disynaptic reciprocal Ia inhibition during voluntary movement in spasticity. Brain, 2001, 124, 826-837.	3.7	183
24	The regulation of disynaptic reciprocal Ia inhibition during coâ€contraction of antagonistic muscles in man.. Journal of Physiology, 1992, 456, 373-391.	1.3	179
25	Comparing Whole-Genome Sequencing with Sanger Sequencing for spa Typing of Methicillin-Resistant Staphylococcus aureus. Journal of Clinical Microbiology, 2014, 52, 4305-4308.	1.8	179
26	Cerebral activation during bicycle movements in man. Experimental Brain Research, 2000, 135, 66-72.	0.7	177
27	Spinal mechanisms in man contributing to reciprocal inhibition during voluntary dorsiflexion of the foot.. Journal of Physiology, 1989, 416, 255-272.	1.3	169
28	Investigating human motor control by transcranial magnetic stimulation. Experimental Brain Research, 2003, 152, 1-16.	0.7	166
29	Variable amplification of synaptic input to cat spinal motoneurones by dendritic persistent inward current. Journal of Physiology, 2003, 552, 945-952.	1.3	149
30	Sensitivity of H-Reflexes and Stretch Reflexes to Presynaptic Inhibition in Humans. Journal of Neurophysiology, 1998, 80, 610-620.	0.9	146
31	Changes in corticospinal drive to spinal motoneurones following visuo-motor skill learning in humans. Journal of Physiology, 2006, 573, 843-855.	1.3	133
32	Spinal control of locomotion ? from cat to man. Acta Physiologica, 2007, 189, 111-121.	1.8	123
33	Central control of disynaptic reciprocal inhibition in humans. Acta Physiologica Scandinavica, 1994, 152, 351-363.	2.3	122
34	Afferent feedback in the control of human gait. Journal of Electromyography and Kinesiology, 2002, 12, 213-217.	0.7	119
35	Post-activation depression of Soleus stretch reflexes in healthy and spastic humans. Experimental Brain Research, 2008, 185, 189-197.	0.7	118
36	Early identification and intervention in cerebral palsy. Developmental Medicine and Child Neurology, 2015, 57, 29-36.	1.1	116

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37	Reduction of Common Synaptic Drive to Ankle Dorsiflexor Motoneurons During Walking in Patients With Spinal Cord Lesion. Journal of Neurophysiology, 2005, 94, 934-942.	0.9	113
38	Muscle growth is reduced in 15â€monthâ€old children with cerebral palsy. Developmental Medicine and Child Neurology, 2016, 58, 485-491.	1.1	108
39	Transcranial magnetic stimulation and stretch reflexes in the tibialis anterior muscle during human walking. Journal of Physiology, 2001, 531, 545-557.	1.3	107
40	Functional Coupling of Motor Units Is Modulated During Walking in Human Subjects. Journal of Neurophysiology, 2003, 89, 960-968.	0.9	104
41	Segmental reflexes and ankle joint stiffness during co-contraction of antagonistic ankle muscles in man. Experimental Brain Research, 1994, 102, 350-8.	0.7	103
42	Positive force feedback in human walking. Journal of Physiology, 2007, 581, 99-105.	1.3	102
43	Impaired Transmission in the Corticospinal Tract and Gait Disability in Spinal Cord Injured Persons. Journal of Neurophysiology, 2010, 104, 1167-1176.	0.9	96
44	Evidence for transcortical reflex pathways in the lower limb of man. Progress in Neurobiology, 2000, 62, 251-272.	2.8	88
45	Central nervous adaptations following 1 wk of wrist and hand immobilization. Journal of Applied Physiology, 2008, 105, 139-151.	1.2	88
46	Passive muscle properties are altered in children with cerebral palsy before the age of 3Âyears and are difficult to distinguish clinically from spasticity. Developmental Medicine and Child Neurology, 2013, 55, 617-623.	1.1	88
47	H-reflexes are less depressed following muscle stretch in spastic spinal cord injured patients than in healthy subjects. Experimental Brain Research, 1993, 97, 173-6.	0.7	84
48	Immobilization induces changes in presynaptic control of group Ia afferents in healthy humans. Journal of Physiology, 2008, 586, 4121-4135.	1.3	80
49	H-reflexes and F-responses are not equally sensitive to changes in motoneuronal excitability. Muscle and Nerve, 1995, 18, 1471-1474.	1.0	79
50	The olympic brain. Does corticospinal plasticity play a role in acquisition of skills required for highâ€performance sports?. Journal of Physiology, 2008, 586, 65-70.	1.3	78
51	Involvement of the corticospinal tract in the control of human gait. Progress in Brain Research, 2011, 192, 181-197.	0.9	76
52	Gait training facilitates central drive to ankle dorsiflexors in children with cerebral palsy. Brain, 2015, 138, 589-603.	3.7	74
53	Sensorimotor integration at spinal level as a basis for muscle coordination during voluntary movement in humans. Journal of Applied Physiology, 2004, 96, 1961-1967.	1.2	73
54	Cerebral activation is correlated to regional atrophy of the spinal cord and functional motor disability in spinal cord injured individuals. NeuroImage, 2011, 54, 1254-1261.	2.1	73

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55	Independent spinal cord atrophy measures correlate to motor and sensory deficits in individuals with spinal cord injury. Spinal Cord, 2011, 49, 70-75.	0.9	73
56	Evidence suggesting that a transcortical reflex pathway contributes to cutaneous reflexes in the tibialis anterior muscle during walking in man. Experimental Brain Research, 1999, 124, 59-68.	0.7	72
57	Presynaptic control of group Ia afferents in relation to acquisition of a visuo-motor skill in healthy humans. Journal of Physiology, 2005, 568, 343-354.	1.3	72
58	The effect of transcranial magnetic stimulation and peripheral nerve stimulation on corticomuscular coherence in humans. Journal of Physiology, 2004, 561, 295-306.	1.3	71
59	Individualized, home-based interactive training of cerebral palsy children delivered through the Internet. BMC Neurology, 2011, 11, 32.	0.8	69
60	Impaired muscle growth precedes development of increased stiffness of the triceps surae musculotendinous unit in children with cerebral palsy. Developmental Medicine and Child Neurology, 2018, 60, 672-679.	1.1	68
61	Task-Specific Depression of the Soleus H-Reflex After Cocontraction Training of Antagonistic Ankle Muscles. Journal of Neurophysiology, 2007, 98, 3677-3687.	0.9	67
62	Corticospinal contribution to arm muscle activity during human walking. Journal of Physiology, 2010, 588, 967-979.	1.3	67
63	Synchronization of Lower Limb Motor Unit Activity During Walking in Human Subjects. Journal of Neurophysiology, 2001, 86, 1266-1276.	0.9	66
64	Childhood development of common drive to a human leg muscle during ankle dorsiflexion and gait. Journal of Physiology, 2010, 588, 4387-4400.	1.3	65
65	Ankle extensor proprioceptors contribute to the enhancement of the soleus EMG during the stance phase of human walking. Canadian Journal of Physiology and Pharmacology, 2004, 82, 610-616.	0.7	64
66	Reduction of common motoneuronal drive on the affected side during walking in hemiplegic stroke patients. Clinical Neurophysiology, 2008, 119, 2813-2818.	0.7	64
67	Central control of reciprocal inhibition during fictive dorsiflexion in man. Experimental Brain Research, 1995, 104, 99-106.	0.7	62
68	Increased central facilitation of antagonist reciprocal inhibition at the onset of dorsiflexion following explosive strength training. Journal of Applied Physiology, 2008, 105, 915-922.	1.2	62
69	Contribution of afferent feedback and descending drive to human hopping. Journal of Physiology, 2010, 588, 799-807.	1.3	62
70	MECP2 mutations in Danish patients with Rett syndrome: High frequency of mutations but no consistent correlations with clinical severity or with the X chromosome inactivation pattern. European Journal of Human Genetics, 2001, 9, 178-184.	1.4	61
71	Intrinsic properties of lumbar motor neurones in the adult G127insTGGG superoxide dismutaseâ€1 mutant mouse in vivo: evidence for increased persistent inward currents. Acta Physiologica, 2010, 200, 361-376.	1.8	60
72	The neurophysiology of deforming spastic paresis: A revised taxonomy. Annals of Physical and Rehabilitation Medicine, 2019, 62, 426-430.	1.1	60

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73	Intrinsic Properties of Mouse Lumbar Motoneurons Revealed by Intracellular Recording In Vivo. Journal of Neurophysiology, 2010, 103, 2599-2610.	0.9	59
74	Reciprocal Ia inhibition contributes to motoneuronal hyperpolarisation during the inactive phase of locomotion and scratching in the cat. Journal of Physiology, 2011, 589, 119-134.	1.3	59
75	Evaluation of reciprocal inhibition of the soleus H-reflex during tonic plantar flexion in man. Journal of Neuroscience Methods, 1998, 84, 1-8.	1.3	58
76	Motoneuronal drive during human walking. Brain Research Reviews, 2002, 40, 192-201.	9.1	58
77	A randomized clinical trial in preterm infants on the effects of a home-based early intervention with the 'CareToy System'. PLoS ONE, 2017, 12, e0173521.	1.1	58
78	Short-term adaptations in spinal cord circuits evoked by repetitive transcranial magnetic stimulation: possible underlying mechanisms. Experimental Brain Research, 2005, 162, 202-212.	0.7	57
79	Sensory feedback to ankle plantar flexors is not exaggerated during gait in spastic hemiplegic children with cerebral palsy. Journal of Neurophysiology, 2014, 111, 746-754.	0.9	57
80	Human Spinal Motor Control. Annual Review of Neuroscience, 2016, 39, 81-101.	5.0	57
81	Gating of somatosensory evoked potentials during voluntary movement of the lower limb in man. Experimental Brain Research, 1998, 120, 143-152.	0.7	56
82	Load Rather Than Length Sensitive Feedback Contributes to Soleus Muscle Activity During Human Treadmill Walking. Journal of Neurophysiology, 2010, 103, 2747-2756.	0.9	56
83	Injection of high dose botulinum-toxin A leads to impaired skeletal muscle function and damage of the fibrilar and non-fibrilar structures. Scientific Reports, 2017, 7, 14746.	1.6	55
84	Science-Based Neurorehabilitation: Recommendations for Neurorehabilitation From Basic Science. Journal of Motor Behavior, 2015, 47, 7-17.	0.5	54
85	Differential changes in corticospinal and Ia input to tibialis anterior and soleus motor neurones during voluntary contraction in man. Acta Physiologica Scandinavica, 2000, 170, 65-76.	2.3	53
86	Modulation of Transmission in the Corticospinal and Group Ia Afferent Pathways to Soleus Motoneurons During Bicycling. Journal of Neurophysiology, 2003, 89, 304-314.	0.9	53
87	Impaired gait function in adults with cerebral palsy is associated with reduced rapid force generation and increased passive stiffness. Clinical Neurophysiology, 2015, 126, 2320-2329.	0.7	53
88	Coupling of antagonistic ankle muscles during co-contraction in humans. Experimental Brain Research, 2002, 146, 282-292.	0.7	51
89	Aging increases the susceptibility to motor memory interference and reduces off-line gains in motor skill learning. Neurobiology of Aging, 2014, 35, 1892-1900.	1.5	51
90	New perspectives on the development of muscle contractures following central motor lesions. Journal of Physiology, 2017, 595, 1027-1038.	1.3	48

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91	Cortical involvement in anticipatory postural reactions in man. Experimental Brain Research, 2009, 193, 161-171.	0.7	45
92	Fictive locomotion in the adult decerebrate and spinal mouseâ€‚in vivo. Journal of Physiology, 2012, 590, 289-300.	1.3	44
93	Assessment of transmission in specific descending pathways in relation to gait and balance following spinal cord injury. Progress in Brain Research, 2015, 218, 79-101.	0.9	43
94	Withinâ€‚step modulation of leg muscle activity by afferent feedback in human walking. Journal of Physiology, 2008, 586, 4643-4648.	1.3	42
95	On Denny-Brownâ€™s â€˜spastic dystoniaâ€™ â€“ What is it and what causes it?. Clinical Neurophysiology, 2018, 129, 89-94.	0.7	42
96	Evaluation of transcranial magnetic stimulation for investigating transmission in descending motor tracts in the rat. European Journal of Neuroscience, 2007, 25, 805-814.	1.2	41
97	Corticospinal control of normal and visually guided gait in healthy older and younger adults. Neurobiology of Aging, 2019, 78, 29-41.	1.5	41
98	Stretch Reflex Regulation in Healthy Subjects and Patients with Spasticity. Neuromodulation, 2005, 8, 49-57.	0.4	40
99	Action-blindsight in healthy subjects after transcranial magnetic stimulation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1353-1357.	3.3	40
100	Failure of normal development of central drive to ankle dorsiflexors relates to gait deficits in children with cerebral palsy. Journal of Neurophysiology, 2013, 109, 625-639.	0.9	38
101	Interference in Ballistic Motor Learning: Specificity and Role of Sensory Error Signals. PLoS ONE, 2011, 6, e17451.	1.1	38
102	Single-Trial Multiwavelet Coherence in Application to Neurophysiological Time Series. IEEE Transactions on Biomedical Engineering, 2007, 54, 854-862.	2.5	37
103	Gait training reduces ankle joint stiffness and facilitates heel strike in children with Cerebral Palsy. NeuroRehabilitation, 2014, 35, 643-655.	0.5	37
104	Modulation of nonâ€‚monosynaptic excitation from ankle dorsiflexor afferents to quadriceps motoneurones during human walking. Journal of Physiology, 2002, 538, 647-657.	1.3	36
105	Sudden Drop in Ground Support Produces Force-Related Unload Response in Human Overground Walking. Journal of Neurophysiology, 2009, 101, 1705-1712.	0.9	36
106	Cerebral functional anatomy of voluntary contractions of ankle muscles in man. Journal of Physiology, 2001, 535, 397-406.	1.3	35
107	Interaction Between Peripheral Afferent Activity and Presynaptic Inhibition of Ia Afferents in the Cat. Journal of Neurophysiology, 2002, 88, 1664-1674.	0.9	35
108	Watching Your Foot Move–An fMRI Study of Visuomotor Interactions during Foot Movement. Cerebral Cortex, 2007, 17, 1906-1917.	1.6	35

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109	Corticospinal inhibition of transmission in propriospinalâ€like neurones during human walking. European Journal of Neuroscience, 2008, 28, 1351-1361.	1.2	35
110	Rapid changes in corticospinal excitability during force field adaptation of human walking. Experimental Brain Research, 2012, 217, 99-115.	0.7	35
111	Antispastic effect of penile vibration in men with spinal cord lesion11No commercial party having a direct financial interest in the results of the research supporting this article has or will confer a benefit on the author(s) or on any organization with which the author(s) is/are associated.. Archives of Physical Medicine and Rehabilitation, 2004, 85, 919-924.	0.5	34
112	Voluntary activation of ankle muscles is accompanied by subcortical facilitation of their antagonists. Journal of Physiology, 2010, 588, 2391-2402.	1.3	34
113	Changes in intracortical excitability induced by stimulation of wrist afferents in man. Journal of Physiology, 2001, 534, 891-902.	1.3	33
114	Reciprocal inhibition and corticospinal transmission in the arm and leg in patients with autosomal dominant pure spastic paraparesis (ADPSP). Brain, 2004, 127, 2693-2702.	3.7	33
115	The suppression of the long-latency stretch reflex in the human tibialis anterior muscle by transcranial magnetic stimulation. Experimental Brain Research, 2004, 157, 403-406.	0.7	33
116	Changes in corticospinal drive to spinal motoneurones following tablet-based practice of manual dexterity. Physiological Reports, 2016, 4, e12684.	0.7	33
117	A critical period of corticomuscular and EMGâ€“EMG coherence detection in healthy infants aged 9â€“25Âweeks. Journal of Physiology, 2017, 595, 2699-2713.	1.3	33
118	Increased central common drive to ankle plantar flexor and dorsiflexor muscles during visually guided gait. Physiological Reports, 2018, 6, e13598.	0.7	33
119	A pilot study on early home-based intervention through an intelligent baby gym (CareToy) in preterm infants. Research in Developmental Disabilities, 2016, 53-54, 32-42.	1.2	32
120	Twenty weeks of computer-training improves sense of agency in children with spastic cerebral palsy. Research in Developmental Disabilities, 2012, 33, 1227-1234.	1.2	31
121	Acute Exercise Improves Motor Memory Consolidation in Preadolescent Children. Frontiers in Human Neuroscience, 2017, 11, 182.	1.0	31
122	Changes in Reciprocal Inhibition Across the Ankle Joint With Changes in External Load and Pedaling Rate During Bicycling. Journal of Neurophysiology, 2003, 90, 3168-3177.	0.9	30
123	Tibialis anterior stretch reflex in early stance is suppressed by repetitive transcranial magnetic stimulation. Journal of Physiology, 2009, 587, 1669-1676.	1.3	30
124	Oscillatory Corticospinal Activity during Static Contraction of Ankle Muscles Is Reduced in Healthy Old versus Young Adults. Neural Plasticity, 2018, 2018, 1-13.	1.0	30
125	Corticomuscular coherence in the acute and subacute phase after stroke. Clinical Neurophysiology, 2017, 128, 2217-2226.	0.7	29
126	Using Corticomuscular and Intermuscular Coherence to Assess Cortical Contribution to Ankle Plantar Flexor Activity During Gait. Journal of Motor Behavior, 2019, 51, 668-680.	0.5	29

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127	Explosive Resistance Training Increases Rate of Force Development in Ankle Dorsiflexors and Gait Function in Adults With Cerebral Palsy. Journal of Strength and Conditioning Research, 2016, 30, 2749-2760.	1.0	28
128	Modulation of frontoâ€parietal connections during the rubber hand illusion. European Journal of Neuroscience, 2017, 45, 964-974.	1.2	28
129	Progressive practice promotes motor learning and repeated transient increases in corticospinal excitability across multiple days. Brain Stimulation, 2018, 11, 346-357.	0.7	28
130	Modulation of recurrent inhibition from knee extensors to ankle motoneurones during human walking. Journal of Physiology, 2008, 586, 5931-5946.	1.3	27
131	Twenty weeks of home-based interactive training of children with cerebral palsy improves functional abilities. BMC Neurology, 2015, 15, 75.	0.8	27
132	To be active through indoor-climbing: an exploratory feasibility study in a group of children with cerebral palsy and typically developing children. BMC Neurology, 2017, 17, 112.	0.8	27
133	Organization of common synaptic drive to motoneurones during fictive locomotion in the spinal cat. Journal of Physiology, 2005, 569, 291-304.	1.3	26
134	Botulinum toxin injection causes hyper-reflexia and increased muscle stiffness of the triceps surae muscle in the rat. Journal of Neurophysiology, 2016, 116, 2615-2623.	0.9	26
135	Home-based, early intervention with mechatronic toys for preterm infants at risk of neurodevelopmental disorders (CARETOY): a RCT protocol. BMC Pediatrics, 2014, 14, 268.	0.7	25
136	Development and aging of human spinal cord circuitries. Journal of Neurophysiology, 2017, 118, 1133-1140.	0.9	25
137	Distribution of collateral fibers in the monkey cervical spinal cord detected with diffusion-weighted magnetic resonance imaging. NeuroImage, 2011, 56, 923-929.	2.1	24
138	Assessment of a portable device for the quantitative measurement of ankle joint stiffness in spastic individuals. Clinical Neurophysiology, 2012, 123, 1371-1382.	0.7	24
139	10 Hz rTMS over right parietal cortex alters sense of agency during self-controlled movements. Frontiers in Human Neuroscience, 2014, 8, 471.	1.0	24
140	Soleus H-reflex excitability during pedaling post-stroke. Experimental Brain Research, 2008, 188, 465-474.	0.7	23
141	Enhanced spinal excitation from ankle flexors to knee extensors during walking in stroke patients. Clinical Neurophysiology, 2010, 121, 930-938.	0.7	23
142	Interlimb communication to the knee flexors during walking in humans. Journal of Physiology, 2013, 591, 4921-4935.	1.3	23
143	Reflex Excitation of Muscles During Human Walking. Advances in Experimental Medicine and Biology, 2002, , 369-375.	0.8	22
144	Central common drive to antagonistic ankle muscles in relation to short-term cocontraction training in nondancers and professional ballet dancers. Journal of Applied Physiology, 2013, 115, 1075-1081.	1.2	21

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145	Long-term motor skill training with individually adjusted progressive difficulty enhances learning and promotes corticospinal plasticity. Scientific Reports, 2020, 10, 15588.	1.6	21
146	Spastic movement disorder: should we forget hyperexcitable stretch reflexes and start talking about inappropriate prediction of sensory consequences of movement?. Experimental Brain Research, 2020, 238, 1627-1636.	0.7	21
147	Modulation of heteronymous reflexes from ankle dorsiflexors to hamstring muscles during human walking. Experimental Brain Research, 2002, 142, 402-408.	0.7	20
148	Reduced reciprocal inhibition is seen only in spastic limbs in patients with neurolathyrism. Experimental Brain Research, 2007, 181, 193-197.	0.7	20
149	Treadmill training with an incline reduces ankle joint stiffness and improves active range of movement during gait in adults with cerebral palsy. Disability and Rehabilitation, 2017, 39, 987-993.	0.9	20
150	Illusory Sensation of Movement Induced by Repetitive Transcranial Magnetic Stimulation. PLoS ONE, 2010, 5, e13301.	1.1	20
151	Cortical excitability and motor task in man: an investigation of the wrist extensor motor area. Experimental Brain Research, 2002, 143, 431-439.	0.7	19
152	Cutaneous mechanisms of isometric ankle force control. Experimental Brain Research, 2013, 228, 377-384.	0.7	19
153	Repetitive Activation of the Corticospinal Pathway by Means of rTMS may Reduce the Efficiency of Corticomotoneuronal Synapses. Cerebral Cortex, 2015, 25, 1629-1637.	1.6	19
154	The effect of penile vibratory stimulation on male fertility potential, spasticity and neurogenic detrusor overactivity in spinal cord lesioned individuals. Acta Neurochirurgica Supplementum, 2005, 93, 159-163.	0.5	19
155	The effect of baclofen and diazepam on motor skill acquisition in healthy subjects. Experimental Brain Research, 2011, 213, 465-474.	0.7	18
156	Recruitment gain of spinal motor neuron pools in cat and human. Experimental Brain Research, 2019, 237, 2897-2909.	0.7	18
157	Contribution of sensory feedback to plantar flexor muscle activation during push-off in adults with cerebral palsy. Journal of Neurophysiology, 2017, 118, 3165-3174.	0.9	17
158	Effects on Parental Stress of Early Home-Based CareToy Intervention in Low-Risk Preterm Infants. Neural Plasticity, 2019, 2019, 1-8.	1.0	17
159	Maturation of feedforward toe walking motor program is impaired in children with cerebral palsy. Brain, 2019, 142, 526-541.	3.7	17
160	The development of functional and directed corticomuscular connectivity during tonic ankle muscle contraction across childhood and adolescence. NeuroImage, 2019, 191, 350-360.	2.1	17
161	Spinal inhibition of descending command to soleus motoneurons is removed prior to dorsiflexion. Journal of Physiology, 2011, 589, 5819-5831.	1.3	16
162	Longâ€term progressive motor skill training enhances corticospinal excitability for the ipsilateral hemisphere and motor performance of the untrained hand. European Journal of Neuroscience, 2017, 45, 1490-1500.	1.2	16

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163	Wearable electromyography recordings during daily life activities in children with cerebral palsy. Developmental Medicine and Child Neurology, 2020, 62, 714-722.	1.1	16
164	Comments. , 1996, 19, 1347-1348.		15
165	Functional implications of corticospinal tract impairment on gait after spinal cord injury. Spinal Cord, 2013, 51, 852-856.	0.9	15
166	Convergence of ipsi- and contralateral muscle afferents on common interneurons mediating reciprocal inhibition of ankle plantarflexors in humans. Experimental Brain Research, 2017, 235, 1555-1564.	0.7	14
167	Corticospinal transmission to leg motoneurones in human subjects with deficient glycinergic inhibition. Journal of Physiology, 2002, 544, 631-640.	1.3	13
168	Altered sense of Agency in children with spastic cerebral palsy. BMC Neurology, 2011, 11, 150.	0.8	13
169	Sense of agency is related to gamma band coupling in an inferior parietal-preSMA circuitry. Frontiers in Human Neuroscience, 2014, 8, 510.	1.0	13
170	Disruption of Locomotor Adaptation with Repetitive Transcranial Magnetic Stimulation Over the Motor Cortex. Cerebral Cortex, 2015, 25, 1981-1986.	1.6	13
171	Systemic inflammatory markers in individuals with cerebral palsy. European Journal of Inflammation, 2019, 17, 205873921882347.	0.2	13
172	Suboptimal Nutrition and Low Physical Activity Are Observed Together with Reduced Plasma Brain-Derived Neurotrophic Factor (BDNF) Concentration in Children with Severe Cerebral Palsy (CP). Nutrients, 2019, 11, 620.	1.7	13
173	Task-and Phase-related Changes in Cortico-muscular Coherence. Keio Journal of Medicine, 2008, 57, 50-56.	0.5	13
174	Speed-related spinal excitation from ankle dorsiflexors to knee extensors during human walking. Experimental Brain Research, 2008, 188, 101-110.	0.7	12
175	Fast diffusion tensor imaging and tractography of the whole cervical spinal cord using point spread function corrected echo planar imaging. Magnetic Resonance in Medicine, 2013, 69, 144-149.	1.9	12
176	Error signals driving locomotor adaptation: cutaneous feedback from the foot is used to adapt movement during perturbed walking. Journal of Physiology, 2016, 594, 5673-5684.	1.3	12
177	Locomotor sequence learning in visually guided walking. Journal of Neurophysiology, 2016, 115, 2014-2020.	0.9	12
178	How plastic are human spinal cord motor circuitries?. Experimental Brain Research, 2017, 235, 3243-3249.	0.7	12
179	Transcutaneous spinal direct current stimulation increases corticospinal transmission and enhances voluntary motor output in humans. Physiological Reports, 2020, 8, e14531.	0.7	12
180	Mutational and phenotypical spectrum of phenylalanine hydroxylase deficiency in Denmark. Clinical Genetics, 2016, 90, 247-251.	1.0	11

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