

Jens B Nielsen

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233
papers

11,581
citations

58
h-index

100
g-index

242
ext. papers

12,986
ext. citations

3.7
avg, IF

6.44
L-index

#	Paper	IF	Citations
233	Sensitivity of monosynaptic test reflexes to facilitation and inhibition as a function of the test reflex size: a study in man and the cat. <i>Experimental Brain Research</i> , 1990 , 81, 35-45	2.3	405
232	Motor skill training induces changes in the excitability of the leg cortical area in healthy humans. <i>Experimental Brain Research</i> , 2004 , 159, 197-205	2.3	353
231	On the mechanism of the post-activation depression of the H-reflex in human subjects. <i>Experimental Brain Research</i> , 1996 , 108, 450-62	2.3	325
230	The spinal pathophysiology of spasticity--from a basic science point of view. <i>Acta Physiologica</i> , 2007 , 189, 171-80	5.6	271
229	Motor skill training and strength training are associated with different plastic changes in the central nervous system. <i>Journal of Applied Physiology</i> , 2005 , 99, 1558-68	3.7	266
228	The effects of cardiovascular exercise on human memory: a review with meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2013 , 37, 1645-66	9	258
227	Methodological implications of the post activation depression of the soleus H-reflex in man. <i>Experimental Brain Research</i> , 1989 , 78, 28-32	2.3	236
226	Reciprocal Ia inhibition between ankle flexors and extensors in man. <i>Journal of Physiology</i> , 1987 , 389, 163-85	3.9	231
225	Major role for sensory feedback in soleus EMG activity in the stance phase of walking in man. <i>Journal of Physiology</i> , 2000 , 523 Pt 3, 817-27	3.9	229
224	The motor cortex drives the muscles during walking in human subjects. <i>Journal of Physiology</i> , 2012 , 590, 2443-52	3.9	211
223	Spasticity-assessment: a review. <i>Spinal Cord</i> , 2006 , 44, 708-22	2.7	198
222	Acute exercise improves motor memory: exploring potential biomarkers. <i>Neurobiology of Learning and Memory</i> , 2014 , 116, 46-58	3.1	193
221	Suppression of EMG activity by transcranial magnetic stimulation in human subjects during walking. <i>Journal of Physiology</i> , 2001 , 537, 651-6	3.9	189
220	How we walk: central control of muscle activity during human walking. <i>Neuroscientist</i> , 2003 , 9, 195-204	7.6	182
219	Task-related changes in the effect of magnetic brain stimulation on spinal neurones in man. <i>Journal of Physiology</i> , 1993 , 471, 223-43	3.9	177
218	Premotor cortex modulates somatosensory cortex during voluntary movements without proprioceptive feedback. <i>Nature Neuroscience</i> , 2007 , 10, 417-9	25.5	170
217	Group II muscle afferents probably contribute to the medium latency soleus stretch reflex during walking in humans. <i>Journal of Physiology</i> , 2001 , 534, 925-33	3.9	169

216	The regulation of presynaptic inhibition during co-contraction of antagonistic muscles in man. <i>Journal of Physiology</i> , 1993 , 464, 575-93	3.9	166
215	Is presynaptic inhibition distributed to corticospinal fibres in man?. <i>Journal of Physiology</i> , 1994 , 477, 47-58	3.9	166
214	A single bout of exercise improves motor memory. <i>PLoS ONE</i> , 2012 , 7, e44594	3.7	160
213	Appearance of reciprocal facilitation of ankle extensors from ankle flexors in patients with stroke or spinal cord injury. <i>Brain</i> , 2003 , 126, 495-507	11.2	156
212	Modulation of presynaptic inhibition and disynaptic reciprocal Ia inhibition during voluntary movement in spasticity. <i>Brain</i> , 2001 , 124, 826-37	11.2	155
211	Cerebral activation during bicycle movements in man. <i>Experimental Brain Research</i> , 2000 , 135, 66-72	2.3	155
210	Investigating human motor control by transcranial magnetic stimulation. <i>Experimental Brain Research</i> , 2003 , 152, 1-16	2.3	148
209	Spinal mechanisms in man contributing to reciprocal inhibition during voluntary dorsiflexion of the foot. <i>Journal of Physiology</i> , 1989 , 416, 255-72	3.9	148
208	The regulation of disynaptic reciprocal Ia inhibition during co-contraction of antagonistic muscles in man. <i>Journal of Physiology</i> , 1992 , 456, 373-91	3.9	141
207	Distinguishing active from passive components of ankle plantar flexor stiffness in stroke, spinal cord injury and multiple sclerosis. <i>Clinical Neurophysiology</i> , 2010 , 121, 1939-51	4.3	134
206	Sensitivity of H-reflexes and stretch reflexes to presynaptic inhibition in humans. <i>Journal of Neurophysiology</i> , 1998 , 80, 610-20	3.2	132
205	Variable amplification of synaptic input to cat spinal motoneurons by dendritic persistent inward current. <i>Journal of Physiology</i> , 2003 , 552, 945-52	3.9	118
204	Changes in corticospinal drive to spinal motoneurons following visuo-motor skill learning in humans. <i>Journal of Physiology</i> , 2006 , 573, 843-55	3.9	108
203	Central control of disynaptic reciprocal inhibition in humans. <i>Acta Physiologica Scandinavica</i> , 1994 , 152, 351-63		108
202	Spinal control of locomotion--from cat to man. <i>Acta Physiologica</i> , 2007 , 189, 111-21	5.6	105
201	Afferent feedback in the control of human gait. <i>Journal of Electromyography and Kinesiology</i> , 2002 , 12, 213-7	2.5	103
200	Comparing whole-genome sequencing with Sanger sequencing for spa typing of methicillin-resistant <i>Staphylococcus aureus</i> . <i>Journal of Clinical Microbiology</i> , 2014 , 52, 4305-8	9.7	100
199	Post-activation depression of soleus stretch reflexes in healthy and spastic humans. <i>Experimental Brain Research</i> , 2008 , 185, 189-97	2.3	100

198	Transcranial magnetic stimulation and stretch reflexes in the tibialis anterior muscle during human walking. <i>Journal of Physiology</i> , 2001 , 531, 545-57	3.9	96
197	Reduction of common synaptic drive to ankle dorsiflexor motoneurons during walking in patients with spinal cord lesion. <i>Journal of Neurophysiology</i> , 2005 , 94, 934-42	3.2	92
196	Functional coupling of motor units is modulated during walking in human subjects. <i>Journal of Neurophysiology</i> , 2003 , 89, 960-8	3.2	91
195	Early identification and intervention in cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2015 , 57, 29-36	3.3	88
194	Segmental reflexes and ankle joint stiffness during co-contraction of antagonistic ankle muscles in man. <i>Experimental Brain Research</i> , 1994 , 102, 350-8	2.3	85
193	Positive force feedback in human walking. <i>Journal of Physiology</i> , 2007 , 581, 99-105	3.9	81
192	Evidence for transcortical reflex pathways in the lower limb of man. <i>Progress in Neurobiology</i> , 2000 , 62, 251-72	10.9	80
191	Muscle growth is reduced in 15-month-old children with cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2016 , 58, 485-91	3.3	76
190	Impaired transmission in the corticospinal tract and gait disability in spinal cord injured persons. <i>Journal of Neurophysiology</i> , 2010 , 104, 1167-76	3.2	76
189	H-reflexes and F-responses are not equally sensitive to changes in motoneuronal excitability. <i>Muscle and Nerve</i> , 1995 , 18, 1471-4	3.4	74
188	H-reflexes are less depressed following muscle stretch in spastic spinal cord injured patients than in healthy subjects. <i>Experimental Brain Research</i> , 1993 , 97, 173-6	2.3	74
187	Passive muscle properties are altered in children with cerebral palsy before the age of 3 years and are difficult to distinguish clinically from spasticity. <i>Developmental Medicine and Child Neurology</i> , 2013 , 55, 617-23	3.3	73
186	Central nervous adaptations following 1 wk of wrist and hand immobilization. <i>Journal of Applied Physiology</i> , 2008 , 105, 139-51	3.7	72
185	Immobilization induces changes in presynaptic control of group Ia afferents in healthy humans. <i>Journal of Physiology</i> , 2008 , 586, 4121-35	3.9	70
184	Evidence suggesting that a transcortical reflex pathway contributes to cutaneous reflexes in the tibialis anterior muscle during walking in man. <i>Experimental Brain Research</i> , 1999 , 124, 59-68	2.3	68
183	Independent spinal cord atrophy measures correlate to motor and sensory deficits in individuals with spinal cord injury. <i>Spinal Cord</i> , 2011 , 49, 70-5	2.7	67
182	The Olympic brain. Does corticospinal plasticity play a role in acquisition of skills required for high-performance sports?. <i>Journal of Physiology</i> , 2008 , 586, 65-70	3.9	64
181	Corticospinal contribution to arm muscle activity during human walking. <i>Journal of Physiology</i> , 2010 , 588, 967-79	3.9	63

180	Gait training facilitates central drive to ankle dorsiflexors in children with cerebral palsy. <i>Brain</i> , 2015 , 138, 589-603	11.2	61
179	Cerebral activation is correlated to regional atrophy of the spinal cord and functional motor disability in spinal cord injured individuals. <i>NeuroImage</i> , 2011 , 54, 1254-61	7.9	61
178	Sensorimotor integration at spinal level as a basis for muscle coordination during voluntary movement in humans. <i>Journal of Applied Physiology</i> , 2004 , 96, 1961-7	3.7	61
177	Involvement of the corticospinal tract in the control of human gait. <i>Progress in Brain Research</i> , 2011 , 192, 181-97	2.9	59
176	The effect of transcranial magnetic stimulation and peripheral nerve stimulation on corticomuscular coherence in humans. <i>Journal of Physiology</i> , 2004 , 561, 295-306	3.9	59
175	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. <i>European Journal of Human Genetics</i> , 2001 , 9, 178-84	5.3	57
174	Synchronization of lower limb motor unit activity during walking in human subjects. <i>Journal of Neurophysiology</i> , 2001 , 86, 1266-76	3.2	57
173	Ankle extensor proprioceptors contribute to the enhancement of the soleus EMG during the stance phase of human walking. <i>Canadian Journal of Physiology and Pharmacology</i> , 2004 , 82, 610-6	2.4	56
172	Contribution of afferent feedback and descending drive to human hopping. <i>Journal of Physiology</i> , 2010 , 588, 799-807	3.9	54
171	Childhood development of common drive to a human leg muscle during ankle dorsiflexion and gait. <i>Journal of Physiology</i> , 2010 , 588, 4387-400	3.9	54
170	Increased central facilitation of antagonist reciprocal inhibition at the onset of dorsiflexion following explosive strength training. <i>Journal of Applied Physiology</i> , 2008 , 105, 915-22	3.7	54
169	Presynaptic control of group Ia afferents in relation to acquisition of a visuo-motor skill in healthy humans. <i>Journal of Physiology</i> , 2005 , 568, 343-54	3.9	54
168	Task-specific depression of the soleus H-reflex after cocontraction training of antagonistic ankle muscles. <i>Journal of Neurophysiology</i> , 2007 , 98, 3677-87	3.2	53
167	Reciprocal Ia inhibition contributes to motoneuronal hyperpolarisation during the inactive phase of locomotion and scratching in the cat. <i>Journal of Physiology</i> , 2011 , 589, 119-34	3.9	52
166	Individualized, home-based interactive training of cerebral palsy children delivered through the Internet. <i>BMC Neurology</i> , 2011 , 11, 32	3.1	52
165	Intrinsic properties of lumbar motor neurones in the adult G127insTGGG superoxide dismutase-1 mutant mouse in vivo: evidence for increased persistent inward currents. <i>Acta Physiologica</i> , 2010 , 200, 361-76	5.6	51
164	Intrinsic properties of mouse lumbar motoneurons revealed by intracellular recording in vivo. <i>Journal of Neurophysiology</i> , 2010 , 103, 2599-610	3.2	51
163	Reduction of common motoneuronal drive on the affected side during walking in hemiplegic stroke patients. <i>Clinical Neurophysiology</i> , 2008 , 119, 2813-8	4.3	51

162	Central control of reciprocal inhibition during fictive dorsiflexion in man. <i>Experimental Brain Research</i> , 1995 , 104, 99-106	2.3	51
161	Evaluation of reciprocal inhibition of the soleus H-reflex during tonic plantar flexion in man. <i>Journal of Neuroscience Methods</i> , 1998 , 84, 1-8	3	50
160	Motoneuronal drive during human walking. <i>Brain Research Reviews</i> , 2002 , 40, 192-201		50
159	Load rather than length sensitive feedback contributes to soleus muscle activity during human treadmill walking. <i>Journal of Neurophysiology</i> , 2010 , 103, 2747-56	3.2	49
158	Modulation of transmission in the corticospinal and group Ia afferent pathways to soleus motoneurons during bicycling. <i>Journal of Neurophysiology</i> , 2003 , 89, 304-14	3.2	49
157	Short-term adaptations in spinal cord circuits evoked by repetitive transcranial magnetic stimulation: possible underlying mechanisms. <i>Experimental Brain Research</i> , 2005 , 162, 202-12	2.3	48
156	Gating of somatosensory evoked potentials during voluntary movement of the lower limb in man. <i>Experimental Brain Research</i> , 1998 , 120, 143-52	2.3	47
155	Impaired muscle growth precedes development of increased stiffness of the triceps surae musculotendinous unit in children with cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2018 , 60, 672-679	3.3	46
154	Impaired gait function in adults with cerebral palsy is associated with reduced rapid force generation and increased passive stiffness. <i>Clinical Neurophysiology</i> , 2015 , 126, 2320-9	4.3	44
153	Coupling of antagonistic ankle muscles during co-contraction in humans. <i>Experimental Brain Research</i> , 2002 , 146, 282-92	2.3	44
152	Differential changes in corticospinal and Ia input to tibialis anterior and soleus motor neurones during voluntary contraction in man. <i>Acta Physiologica Scandinavica</i> , 2000 , 170, 65-76		44
151	Sensory feedback to ankle plantar flexors is not exaggerated during gait in spastic hemiplegic children with cerebral palsy. <i>Journal of Neurophysiology</i> , 2014 , 111, 746-54	3.2	43
150	Aging increases the susceptibility to motor memory interference and reduces off-line gains in motor skill learning. <i>Neurobiology of Aging</i> , 2014 , 35, 1892-900	5.6	42
149	Cortical involvement in anticipatory postural reactions in man. <i>Experimental Brain Research</i> , 2009 , 193, 161-71	2.3	38
148	New perspectives on the development of muscle contractures following central motor lesions. <i>Journal of Physiology</i> , 2017 , 595, 1027-1038	3.9	37
147	Science-based neurorehabilitation: recommendations for neurorehabilitation from basic science. <i>Journal of Motor Behavior</i> , 2015 , 47, 7-17	1.4	36
146	Within-step modulation of leg muscle activity by afferent feedback in human walking. <i>Journal of Physiology</i> , 2008 , 586, 4643-8	3.9	36
145	Interaction between peripheral afferent activity and presynaptic inhibition of Ia afferents in the cat. <i>Journal of Neurophysiology</i> , 2002 , 88, 1664-74	3.2	35

144	Action-blindsight in healthy subjects after transcranial magnetic stimulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 1353-7	11.5	34
143	Evaluation of transcranial magnetic stimulation for investigating transmission in descending motor tracts in the rat. <i>European Journal of Neuroscience</i> , 2007 , 25, 805-14	3.5	34
142	Stretch reflex regulation in healthy subjects and patients with spasticity. <i>Neuromodulation</i> , 2005 , 8, 49-53.1	5.1	34
141	A randomized clinical trial in preterm infants on the effects of a home-based early intervention with the CareToy System. <i>PLoS ONE</i> , 2017 , 12, e0173521	3.7	34
140	Human Spinal Motor Control. <i>Annual Review of Neuroscience</i> , 2016 , 39, 81-101	17	34
139	Corticospinal inhibition of transmission in propriospinal-like neurones during human walking. <i>European Journal of Neuroscience</i> , 2008 , 28, 1351-61	3.5	33
138	Modulation of non-monosynaptic excitation from ankle dorsiflexor afferents to quadriceps motoneurons during human walking. <i>Journal of Physiology</i> , 2002 , 538, 647-57	3.9	33
137	Assessment of transmission in specific descending pathways in relation to gait and balance following spinal cord injury. <i>Progress in Brain Research</i> , 2015 , 218, 79-101	2.9	32
136	Rapid changes in corticospinal excitability during force field adaptation of human walking. <i>Experimental Brain Research</i> , 2012 , 217, 99-115	2.3	32
135	Failure of normal development of central drive to ankle dorsiflexors relates to gait deficits in children with cerebral palsy. <i>Journal of Neurophysiology</i> , 2013 , 109, 625-39	3.2	32
134	Voluntary activation of ankle muscles is accompanied by subcortical facilitation of their antagonists. <i>Journal of Physiology</i> , 2010 , 588, 2391-402	3.9	32
133	Single-trial multiwavelet coherence in application to neurophysiological time series. <i>IEEE Transactions on Biomedical Engineering</i> , 2007 , 54, 854-62	5	31
132	Interference in ballistic motor learning: specificity and role of sensory error signals. <i>PLoS ONE</i> , 2011 , 6, e17451	3.7	31
131	Gait training reduces ankle joint stiffness and facilitates heel strike in children with Cerebral Palsy. <i>NeuroRehabilitation</i> , 2014 , 35, 643-55	2	30
130	Cerebral functional anatomy of voluntary contractions of ankle muscles in man. <i>Journal of Physiology</i> , 2001 , 535, 397-406	3.9	30
129	The neurophysiology of deforming spastic paresis: A revised taxonomy. <i>Annals of Physical and Rehabilitation Medicine</i> , 2019 , 62, 426-430	3.8	30
128	Fictive locomotion in the adult decerebrate and spinal mouse in vivo. <i>Journal of Physiology</i> , 2012 , 590, 289-300	3.9	29
127	The suppression of the long-latency stretch reflex in the human tibialis anterior muscle by transcranial magnetic stimulation. <i>Experimental Brain Research</i> , 2004 , 157, 403-6	2.3	29

126	Injection of high dose botulinum-toxin A leads to impaired skeletal muscle function and damage of the fibrillar and non-fibrillar structures. <i>Scientific Reports</i> , 2017 , 7, 14746	4.9	28
125	Sudden drop in ground support produces force-related unload response in human overground walking. <i>Journal of Neurophysiology</i> , 2009 , 101, 1705-12	3.2	28
124	Changes in reciprocal inhibition across the ankle joint with changes in external load and pedaling rate during bicycling. <i>Journal of Neurophysiology</i> , 2003 , 90, 3168-77	3.2	28
123	Antispastic effect of penile vibration in men with spinal cord lesion. <i>Archives of Physical Medicine and Rehabilitation</i> , 2004 , 85, 919-24	2.8	28
122	Changes in intracortical excitability induced by stimulation of wrist afferents in man. <i>Journal of Physiology</i> , 2001 , 534, 891-902	3.9	28
121	Watching your foot move--an fMRI study of visuomotor interactions during foot movement. <i>Cerebral Cortex</i> , 2007 , 17, 1906-17	5.1	27
120	On Denny-Brown's spastic dystonia- What is it and what causes it?. <i>Clinical Neurophysiology</i> , 2018 , 129, 89-94	4.3	27
119	Twenty weeks of computer-training improves sense of agency in children with spastic cerebral palsy. <i>Research in Developmental Disabilities</i> , 2012 , 33, 1227-34	2.7	26
118	Modulation of recurrent inhibition from knee extensors to ankle motoneurons during human walking. <i>Journal of Physiology</i> , 2008 , 586, 5931-46	3.9	25
117	Reciprocal inhibition and corticospinal transmission in the arm and leg in patients with autosomal dominant pure spastic paraparesis (ADPSP). <i>Brain</i> , 2004 , 127, 2693-702	11.2	24
116	A pilot study on early home-based intervention through an intelligent baby gym (CareToy) in preterm infants. <i>Research in Developmental Disabilities</i> , 2016 , 53-54, 32-42	2.7	23
115	Distribution of collateral fibers in the monkey cervical spinal cord detected with diffusion-weighted magnetic resonance imaging. <i>NeuroImage</i> , 2011 , 56, 923-9	7.9	23
114	Soleus H-reflex excitability during pedaling post-stroke. <i>Experimental Brain Research</i> , 2008 , 188, 465-74	2.3	23
113	Changes in corticospinal drive to spinal motoneurons following tablet-based practice of manual dexterity. <i>Physiological Reports</i> , 2016 , 4, e12684	2.6	23
112	Interlimb communication to the knee flexors during walking in humans. <i>Journal of Physiology</i> , 2013 , 591, 4921-35	3.9	22
111	Enhanced spinal excitation from ankle flexors to knee extensors during walking in stroke patients. <i>Clinical Neurophysiology</i> , 2010 , 121, 930-8	4.3	22
110	Tibialis anterior stretch reflex in early stance is suppressed by repetitive transcranial magnetic stimulation. <i>Journal of Physiology</i> , 2009 , 587, 1669-76	3.9	22
109	Organization of common synaptic drive to motoneurons during fictive locomotion in the spinal cat. <i>Journal of Physiology</i> , 2005 , 569, 291-304	3.9	22

108	Increased central common drive to ankle plantar flexor and dorsiflexor muscles during visually guided gait. <i>Physiological Reports</i> , 2018 , 6, e13598	2.6	22
107	Modulation of fronto-parietal connections during the rubber hand illusion. <i>European Journal of Neuroscience</i> , 2017 , 45, 964-974	3.5	21
106	Corticospinal control of normal and visually guided gait in healthy older and younger adults. <i>Neurobiology of Aging</i> , 2019 , 78, 29-41	5.6	21
105	Twenty weeks of home-based interactive training of children with cerebral palsy improves functional abilities. <i>BMC Neurology</i> , 2015 , 15, 75	3.1	21
104	A critical period of corticomuscular and EMG-EMG coherence detection in healthy infants aged 9-25 weeks. <i>Journal of Physiology</i> , 2017 , 595, 2699-2713	3.9	20
103	Corticomuscular coherence in the acute and subacute phase after stroke. <i>Clinical Neurophysiology</i> , 2017 , 128, 2217-2226	4.3	20
102	Home-based, early intervention with mechatronic toys for preterm infants at risk of neurodevelopmental disorders (CARETOY): a RCT protocol. <i>BMC Pediatrics</i> , 2014 , 14, 268	2.6	20
101	Central common drive to antagonistic ankle muscles in relation to short-term cocontraction training in nondancers and professional ballet dancers. <i>Journal of Applied Physiology</i> , 2013 , 115, 1075-81 ^{3.7}	3.7	20
100	Modulation of heteronymous reflexes from ankle dorsiflexors to hamstring muscles during human walking. <i>Experimental Brain Research</i> , 2002 , 142, 402-8	2.3	20
99	Botulinum toxin injection causes hyper-reflexia and increased muscle stiffness of the triceps surae muscle in the rat. <i>Journal of Neurophysiology</i> , 2016 , 116, 2615-2623	3.2	20
98	Explosive Resistance Training Increases Rate of Force Development in Ankle Dorsiflexors and Gait Function in Adults With Cerebral Palsy. <i>Journal of Strength and Conditioning Research</i> , 2016 , 30, 2749-60 ^{3.2}	3.2	20
97	Oscillatory Corticospinal Activity during Static Contraction of Ankle Muscles Is Reduced in Healthy Old versus Young Adults. <i>Neural Plasticity</i> , 2018 , 2018, 3432649	3.3	20
96	Reflex Excitation of Muscles During Human Walking. <i>Advances in Experimental Medicine and Biology</i> , 2002 , 369-375	3.6	20
95	Acute Exercise Improves Motor Memory Consolidation in Preadolescent Children. <i>Frontiers in Human Neuroscience</i> , 2017 , 11, 182	3.3	19
94	Repetitive activation of the corticospinal pathway by means of rTMS may reduce the efficiency of corticomotoneuronal synapses. <i>Cerebral Cortex</i> , 2015 , 25, 1629-37	5.1	18
93	To be active through indoor-climbing: an exploratory feasibility study in a group of children with cerebral palsy and typically developing children. <i>BMC Neurology</i> , 2017 , 17, 112	3.1	18
92	The effect of baclofen and diazepam on motor skill acquisition in healthy subjects. <i>Experimental Brain Research</i> , 2011 , 213, 465-74	2.3	18
91	Assessment of a portable device for the quantitative measurement of ankle joint stiffness in spastic individuals. <i>Clinical Neurophysiology</i> , 2012 , 123, 1371-82	4.3	17

90	Progressive practice promotes motor learning and repeated transient increases in corticospinal excitability across multiple days. <i>Brain Stimulation</i> , 2018 , 11, 346-357	5.1	17
89	The effect of penile vibratory stimulation on male fertility potential, spasticity and neurogenic detrusor overactivity in spinal cord lesioned individuals. <i>Acta Neurochirurgica Supplementum</i> , 2005 , 93, 159-63	1.7	17
88	10 Hz rTMS over right parietal cortex alters sense of agency during self-controlled movements. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 471	3.3	16
87	Spinal inhibition of descending command to soleus motoneurons is removed prior to dorsiflexion. <i>Journal of Physiology</i> , 2011 , 589, 5819-31	3.9	16
86	Reduced reciprocal inhibition is seen only in spastic limbs in patients with neurolathyrism. <i>Experimental Brain Research</i> , 2007 , 181, 193-7	2.3	16
85	Cortical excitability and motor task in man: an investigation of the wrist extensor motor area. <i>Experimental Brain Research</i> , 2002 , 143, 431-9	2.3	16
84	Illusory sensation of movement induced by repetitive transcranial magnetic stimulation. <i>PLoS ONE</i> , 2010 , 5, e13301	3.7	16
83	Treadmill training with an incline reduces ankle joint stiffness and improves active range of movement during gait in adults with cerebral palsy. <i>Disability and Rehabilitation</i> , 2017 , 39, 987-993	2.4	15
82	Using Corticomuscular and Intermuscular Coherence to Assess Cortical Contribution to Ankle Plantar Flexor Activity During Gait. <i>Journal of Motor Behavior</i> , 2019 , 51, 668-680	1.4	15
81	Development and aging of human spinal cord circuitries. <i>Journal of Neurophysiology</i> , 2017 , 118, 1133-1140	3.2	14
80	Cutaneous mechanisms of isometric ankle force control. <i>Experimental Brain Research</i> , 2013 , 228, 377-84	2.3	14
79	Contribution of sensory feedback to plantar flexor muscle activation during push-off in adults with cerebral palsy. <i>Journal of Neurophysiology</i> , 2017 , 118, 3165-3174	3.2	13
78	Comments: methodological problems of comparing F responses and H reflexes. <i>Muscle and Nerve</i> , 1996 , 19, 1347-8	3.4	13
77	Task-and phase-related changes in cortico-muscular coherence. <i>Keio Journal of Medicine</i> , 2008 , 57, 50-6	1.6	13
76	Long-term progressive motor skill training enhances corticospinal excitability for the ipsilateral hemisphere and motor performance of the untrained hand. <i>European Journal of Neuroscience</i> , 2017 , 45, 1490-1500	3.5	12
75	Altered sense of Agency in children with spastic cerebral palsy. <i>BMC Neurology</i> , 2011 , 11, 150	3.1	12
74	Fast diffusion tensor imaging and tractography of the whole cervical spinal cord using point spread function corrected echo planar imaging. <i>Magnetic Resonance in Medicine</i> , 2013 , 69, 144-9	4.4	11
73	Functional implications of corticospinal tract impairment on gait after spinal cord injury. <i>Spinal Cord</i> , 2013 , 51, 852-6	2.7	11

72	Disruption of Locomotor Adaptation with Repetitive Transcranial Magnetic Stimulation Over the Motor Cortex. <i>Cerebral Cortex</i> , 2015 , 25, 1981-6	5.1	11
71	Speed-related spinal excitation from ankle dorsiflexors to knee extensors during human walking. <i>Experimental Brain Research</i> , 2008 , 188, 101-10	2.3	11
70	Corticospinal transmission to leg motoneurons in human subjects with deficient glycinergic inhibition. <i>Journal of Physiology</i> , 2002 , 544, 631-40	3.9	11
69	Spastic movement disorder: should we forget hyperexcitable stretch reflexes and start talking about inappropriate prediction of sensory consequences of movement?. <i>Experimental Brain Research</i> , 2020 , 238, 1627-1636	2.3	10
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