

Jens B Nielsen

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Corticomuscular coherence is reduced in relation to dorsiflexion fatigability to the same extent in adults with cerebral palsy as in neurologically intact adults.. <i>European Journal of Applied Physiology</i> , 2022 , 1	3.4	1
232	Sense of agency as synecdoche: Multiple neurobiological mechanisms may underlie the phenomenon summarized as sense of agency.. <i>Consciousness and Cognition</i> , 2022 , 101, 103307	2.6	0
231	The effect of cathodal transspinal direct current stimulation on tibialis anterior stretch reflex components in humans. <i>Experimental Brain Research</i> , 2021 , 240, 159	2.3	1
230	Quantitative MRI and Clinical Assessment of Muscle Function in Adults With Cerebral Palsy. <i>Frontiers in Neurology</i> , 2021 , 12, 771375	4.1	0
229	Increased Ankle Plantar Flexor Stiffness Is Associated With Reduced Mechanical Response to Stretch in Adults With CP. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 604071	5.8	0
228	Nonsurgical Treatment Options for Muscle Contractures in Individuals With Neurologic Disorders: A Systematic Review With Meta-Analysis. <i>Archives of Rehabilitation Research and Clinical Translation</i> , 2021 , 3, 100104	1.3	
227	Motor-learning based activities may improve functional ability in adults with severe cerebral palsy: A controlled pilot study. <i>NeuroRehabilitation</i> , 2021 , 48, 273-283	2	0
226	Copenhagen Neuroplastic TRaining Against Contractures in Toddlers (CONTRACT): protocol of an open-label randomised clinical trial with blinded assessment for prevention of contractures in infants with high risk of cerebral palsy. <i>BMJ Open</i> , 2021 , 11, e044674	3	1
225	Gene expressions in cerebral palsy subjects reveal structural and functional changes in the gastrocnemius muscle that are closely associated with passive muscle stiffness. <i>Cell and Tissue Research</i> , 2021 , 384, 513-526	4.2	2
224	Cerebral Palsy and Stroke Early and Late Brain Lesion Present Differences in Systemic Biomarkers and Gene Expression Related to Muscle Contractures. <i>World Journal of Neuroscience</i> , 2021 , 11, 34-47	0.4	1
223	Sleep Pattern and Night-Time Muscle Activity in Children With Cerebral Palsy Compared to Typically Developing Peers. <i>Journal of Sleep Medicine</i> , 2021 , 18, 106-116	0.5	
222	Parent-Infant Interactions Among Infants With High Risk of Cerebral Palsy: A Protocol for an Observational Study of Infant and Parental Factors for Dyadic Reciprocity. <i>Frontiers in Psychiatry</i> , 2021 , 12, 736676	5	
221	A simple, clinically applicable motor learning protocol to increase push-off during gait: A proof-of-concept. <i>PLoS ONE</i> , 2021 , 16, e0245523	3.7	2
220	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
219	Wearable electromyography recordings during daily life activities in children with cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2020 , 62, 714-722	3.3	9
218	Gait training facilitates push-off and improves gait symmetry in children with cerebral palsy. <i>Human Movement Science</i> , 2020 , 69, 102565	2.4	4
217	Bilateral and asymmetrical contributions of passive and active ankle plantar flexors stiffness to spasticity in humans with spinal cord injury. <i>Journal of Neurophysiology</i> , 2020 , 124, 973-984	3.2	1

216	Directed connectivity between primary and premotor areas underlying ankle force control in young and older adults. <i>NeuroImage</i> , 2020 , 218, 116982	7.9	5
215	Transcranial Alternating Current Stimulation of the Primary Motor Cortex after Skill Acquisition Improves Motor Memory Retention in Humans: A Double-Blinded Sham-Controlled Study. <i>Cerebral Cortex Communications</i> , 2020 , 1, tgaa047	1.9	1
214	The benefits of strength training in cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2020 , 62, 1232	3.3	
213	Immobilization leads to reduced stretch reflexes but increased central reflex gain in the rat. <i>Journal of Neurophysiology</i> , 2020 , 124, 985-993	3.2	1
212	Long-term motor skill training with individually adjusted progressive difficulty enhances learning and promotes corticospinal plasticity. <i>Scientific Reports</i> , 2020 , 10, 15588	4.9	5
211	Transcutaneous spinal direct current stimulation increases corticospinal transmission and enhances voluntary motor output in humans. <i>Physiological Reports</i> , 2020 , 8, e14531	2.6	4
210	Recruitment gain of spinal motor neuron pools in cat and human. <i>Experimental Brain Research</i> , 2019 , 237, 2897-2909	2.3	6
209	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
208	Systemic inflammatory markers in individuals with cerebral palsy. <i>European Journal of Inflammation</i> , 2019 , 17, 205873921882347	0.3	5
207	Contribution of corticospinal drive to ankle plantar flexor muscle activation during gait in adults with cerebral palsy. <i>Experimental Brain Research</i> , 2019 , 237, 1457-1467	2.3	2
206	Suboptimal Nutrition and Low Physical Activity Are Observed Together with Reduced Plasma (BDNF) Concentration in Children with Severe Cerebral Palsy (CP). <i>Nutrients</i> , 2019 , 11,	6.7	5
205	Effects on Parental Stress of Early Home-Based CareToy Intervention in Low-Risk Preterm Infants. <i>Neural Plasticity</i> , 2019 , 2019, 7517351	3.3	8
204	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
203	Characterization of torque generating properties of ankle plantar flexor muscles in ambulant adults with cerebral palsy. <i>European Journal of Applied Physiology</i> , 2019 , 119, 1127-1136	3.4	6
202	Maturation of feedforward toe walking motor program is impaired in children with cerebral palsy. <i>Brain</i> , 2019 , 142, 526-541	11.2	9
201	Are sensorimotor experiences the key for successful early intervention in infants with congenital brain lesion?. <i>Research in Social and Administrative Pharmacy</i> , 2019 , 54, 133-139	2.9	4
200	The development of functional and directed corticomuscular connectivity during tonic ankle muscle contraction across childhood and adolescence. <i>NeuroImage</i> , 2019 , 191, 350-360	7.9	9
199	Sustained involuntary muscle activity in cerebral palsy and stroke: same symptom, diverse mechanisms. <i>Brain Communications</i> , 2019 , 1, fcz037	4.5	4

198	Sequence variants in muscle tissue-related genes may determine the severity of muscle contractures in cerebral palsy. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2019 , 180, 12-24	3.5	3
197	Chemical denervation using botulinum toxin increases Akt expression and reduces submaximal insulin-stimulated glucose transport in mouse muscle. <i>Cellular Signalling</i> , 2019 , 53, 224-233	4.9	3
196	The neurophysiology of deforming spastic paresis: A revised taxonomy. <i>Annals of Physical and Rehabilitation Medicine</i> , 2019 , 62, 426-430	3.8	30
195	Modulation of task-related cortical connectivity in the acute and subacute phase after stroke. <i>European Journal of Neuroscience</i> , 2018 , 47, 1024-1032	3.5	7
194	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
193	Assessment of intersegmental coordination of rats during walking at different speeds - Application of continuous relative phase. <i>Journal of Biomechanics</i> , 2018 , 73, 168-176	2.9	3
192	Feedforward neural control of toe walking in humans. <i>Journal of Physiology</i> , 2018 , 596, 2159-2172	3.9	3
191	Variable impact of tizanidine on the medium latency reflex of upper and lower limbs. <i>Experimental Brain Research</i> , 2018 , 236, 665-677	2.3	5
190	Characterization of corticospinal activation of finger motor neurons during precision and power grip in humans. <i>Experimental Brain Research</i> , 2018 , 236, 745-753	2.3	1
189	Day-to-day reliability of gait characteristics in rats. <i>Journal of Biomechanics</i> , 2018 , 72, 247-251	2.9	3
188	Microvascularization is not a limiting factor for exercise in adults with cerebral palsy. <i>Journal of Applied Physiology</i> , 2018 , 125, 536-544	3.7	5
187	Functional Problems in Spastic Patients Are Not Caused by Spasticity but by Disordered Motor Control 2018 , 59-78		
186	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
185	On Denny-Brown's 'spastic dystonia': What is it and what causes it?. <i>Clinical Neurophysiology</i> , 2018 , 129, 89-94	4.3	27
184	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
183	Impaired Ability to Suppress Excitability of Antagonist Motoneurons at Onset of Dorsiflexion in Adults with Cerebral Palsy. <i>Neural Plasticity</i> , 2018 , 2018, 1265143	3.3	2
182	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
181	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

180	Convergence of ipsi- and contralateral muscle afferents on common interneurons mediating reciprocal inhibition of ankle plantarflexors in humans. <i>Experimental Brain Research</i> , 2017 , 235, 1555-1564	2.3	8
179	Modulation of fronto-parietal connections during the rubber hand illusion. <i>European Journal of Neuroscience</i> , 2017 , 45, 964-974	3.5	21
178	Development and aging of human spinal cord circuitries. <i>Journal of Neurophysiology</i> , 2017 , 118, 1133-1140	3.2	14
177	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
176	Corticomuscular coherence in the acute and subacute phase after stroke. <i>Clinical Neurophysiology</i> , 2017 , 128, 2217-2226	4.3	20
175	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
174	Muscle disuse caused by botulinum toxin injection leads to increased central gain of the stretch reflex in the rat. <i>Journal of Neurophysiology</i> , 2017 , 118, 1962-1969	3.2	9
173	How plastic are human spinal cord motor circuitries?. <i>Experimental Brain Research</i> , 2017 , 235, 3243-3249	2.3	9
172	Non-invasive Assessment of Changes in Corticomotoneuronal Transmission in Humans. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	3
171	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
170	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
169	Supplementation of docosahexaenoic acid (DHA), vitamin D and uridine in combination with six weeks of cognitive and motor training in prepubescent children: a pilot study. <i>BMC Nutrition</i> , 2017 , 3, 37	2.5	1
168	New perspectives on the development of muscle contractures following central motor lesions. <i>Journal of Physiology</i> , 2017 , 595, 1027-1038	3.9	37
167	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
166	Acute Exercise Improves Motor Memory Consolidation in Preadolescent Children. <i>Frontiers in Human Neuroscience</i> , 2017 , 11, 182	3.3	19
165	A randomized clinical trial in preterm infants on the effects of a home-based early intervention with the VCareToy System. <i>PLoS ONE</i> , 2017 , 12, e0173521	3.7	34
164	Error signals driving locomotor adaptation: cutaneous feedback from the foot is used to adapt movement during perturbed walking. <i>Journal of Physiology</i> , 2016 , 594, 5673-84	3.9	9
163	Locomotor sequence learning in visually guided walking. <i>Journal of Neurophysiology</i> , 2016 , 115, 2014-2032	3.2	9

162	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
161	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
160	Mutational and phenotypical spectrum of phenylalanine hydroxylase deficiency in Denmark. <i>Clinical Genetics</i> , 2016 , 90, 247-51	4	9
159	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
158	Human Spinal Motor Control. <i>Annual Review of Neuroscience</i> , 2016 , 39, 81-101	17	34
157	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	20
156	Changes in corticospinal drive to spinal motoneurons following tablet-based practice of manual dexterity. <i>Physiological Reports</i> , 2016 , 4, e12684	2.6	23
155	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
154	Early identification and intervention in cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2015 , 57, 29-36	3.3	88
153	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
152	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
151	Interlimb communication following unexpected changes in treadmill velocity during human walking. <i>Journal of Neurophysiology</i> , 2015 , 113, 3151-8	3.2	6
150	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
149	Disruption of Locomotor Adaptation with Repetitive Transcranial Magnetic Stimulation Over the Motor Cortex. <i>Cerebral Cortex</i> , 2015 , 25, 1981-6	5.1	11
148	Gait training facilitates central drive to ankle dorsiflexors in children with cerebral palsy. <i>Brain</i> , 2015 , 138, 589-603	11.2	61
147	Science-based neurorehabilitation: recommendations for neurorehabilitation from basic science. <i>Journal of Motor Behavior</i> , 2015 , 47, 7-17	1.4	36
146	Model-Based Motion Tracking of Infants. <i>Lecture Notes in Computer Science</i> , 2015 , 673-685	0.9	7
145	Using Motion Tracking to Detect Spontaneous Movements in Infants. <i>Lecture Notes in Computer Science</i> , 2015 , 410-417	0.9	5

144	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
143	Acute exercise improves motor memory: exploring potential biomarkers. <i>Neurobiology of Learning and Memory</i> , 2014 , 116, 46-58	3.1	193
142	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
141	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
140	Interactive technologies for diagnosis and treatment in infants with cerebral palsy 2014 , 323-327		
139	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
138	Sense of agency is related to gamma band coupling in an inferior parietal-preSMA circuitry. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 510	3.3	9
137	Botulinum neurotoxin treatment for spasticity: the role of electromyography guidance. <i>Journal of Rehabilitation Medicine</i> , 2014 , 46, 715-6	3.4	
136	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
135	Gait training reduces ankle joint stiffness and facilitates heel strike in children with Cerebral Palsy. <i>NeuroRehabilitation</i> , 2014 , 35, 643-55	2	30
134	Body Part Tracking of Infants 2014 ,		8
133	Functionality of the Contralateral Biceps Femoris Reflex Response during Human Walking. <i>Biosystems and Biorobotics</i> , 2014 , 765-773	0.2	1
132	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
131	Cutaneous mechanisms of isometric ankle force control. <i>Experimental Brain Research</i> , 2013 , 228, 377-84	2.3	14
130	Seeing or moving in parallel: the premotor cortex does both during bimanual coordination, while the cerebellum monitors the behavioral instability of symmetric movements. <i>Experimental Brain Research</i> , 2013 , 230, 101-15	2.3	2
129	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
128	Functional implications of corticospinal tract impairment on gait after spinal cord injury. <i>Spinal Cord</i> , 2013 , 51, 852-6	2.7	11
127	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

126	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
125	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}		20
124	Interlimb communication to the knee flexors during walking in humans. <i>Journal of Physiology</i> , 2013 , 591, 4921-35	3.9	22
123	Rapid changes in corticospinal excitability during force field adaptation of human walking. <i>Experimental Brain Research</i> , 2012 , 217, 99-115	2.3	32
122	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
121	Neural tension technique is no different from random passive movements in reducing spasticity in patients with traumatic brain injury. <i>Disability and Rehabilitation</i> , 2012 , 34, 1978-85	2.4	5
120	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
119	The motor cortex drives the muscles during walking in human subjects. <i>Journal of Physiology</i> , 2012 , 590, 2443-52	3.9	211
118	Subconscious visual cues during movement execution allow correct online choice reactions. <i>PLoS ONE</i> , 2012 , 7, e44496	3.7	
117	A single bout of exercise improves motor memory. <i>PLoS ONE</i> , 2012 , 7, e44594	3.7	160
116	Fictive locomotion in the adult decerebrate and spinal mouse in vivo. <i>Journal of Physiology</i> , 2012 , 590, 289-300	3.9	29
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	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
113	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
112	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
111	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
110	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
109	Altered sense of Agency in children with spastic cerebral palsy. <i>BMC Neurology</i> , 2011 , 11, 150	3.1	12

108	Individualized, home-based interactive training of cerebral palsy children delivered through the Internet. <i>BMC Neurology</i> , 2011 , 11, 32	3.1	52
107	Involvement of the corticospinal tract in the control of human gait. <i>Progress in Brain Research</i> , 2011 , 192, 181-97	2.9	59
106	Interference in ballistic motor learning: specificity and role of sensory error signals. <i>PLoS ONE</i> , 2011 , 6, e17451	3.7	31
105	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
104	Mind the body in the brain. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2010 , 20, 709-10	4.6	
103	Contribution of afferent feedback and descending drive to human hopping. <i>Journal of Physiology</i> , 2010 , 588, 799-807	3.9	54
102	Corticospinal contribution to arm muscle activity during human walking. <i>Journal of Physiology</i> , 2010 , 588, 967-79	3.9	63
101	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
100	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
99	Intrinsic properties of mouse lumbar motoneurons revealed by intracellular recording in vivo. <i>Journal of Neurophysiology</i> , 2010 , 103, 2599-610	3.2	51
98	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
97	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
96	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
95	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
94	Illusory sensation of movement induced by repetitive transcranial magnetic stimulation. <i>PLoS ONE</i> , 2010 , 5, e13301	3.7	16
93	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
92	Cortical involvement in anticipatory postural reactions in man. <i>Experimental Brain Research</i> , 2009 , 193, 161-71	2.3	38
91	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

90	Optimal spectral tracking--with application to speed dependent neural modulation of tibialis anterior during human treadmill walking. <i>Journal of Neuroscience Methods</i> , 2009 , 177, 334-47	3	6
89	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
88	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
87	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
86	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
85	Corticospinal inhibition of transmission in propriospinal-like neurones during human walking. <i>European Journal of Neuroscience</i> , 2008 , 28, 1351-61	3.5	33
84	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
83	Central nervous adaptations following 1 wk of wrist and hand immobilization. <i>Journal of Applied Physiology</i> , 2008 , 105, 139-51	3.7	72
82	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
81	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
80	Post-activation depression of soleus stretch reflexes in healthy and spastic humans. <i>Experimental Brain Research</i> , 2008 , 185, 189-97	2.3	100
79	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
78	Soleus H-reflex excitability during pedaling post-stroke. <i>Experimental Brain Research</i> , 2008 , 188, 465-74	2.3	23
77	Task-and phase-related changes in cortico-muscular coherence. <i>Keio Journal of Medicine</i> , 2008 , 57, 50-6	1.6	13
76	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
75	Positive force feedback in human walking. <i>Journal of Physiology</i> , 2007 , 581, 99-105	3.9	81
74	Premotor cortex modulates somatosensory cortex during voluntary movements without proprioceptive feedback. <i>Nature Neuroscience</i> , 2007 , 10, 417-9	25.5	170
73	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

72	Spinal control of locomotion--from cat to man. <i>Acta Physiologica</i> , 2007 , 189, 111-21	5.6	105
71	The spinal pathophysiology of spasticity--from a basic science point of view. <i>Acta Physiologica</i> , 2007 , 189, 171-80	5.6	271
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