

Jakob Lorentzen

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,305
citations

393982

19
h-index

360668

35
g-index

51
all docs

51
docs citations

51
times ranked

1273
citing authors

#	ARTICLE	IF	CITATIONS
1	Muscle Contractures in Adults With Cerebral Palsy Characterized by Combined Ultrasound-Derived Echo Intensity and Handheld Dynamometry Measures. <i>Ultrasound in Medicine and Biology</i> , 2022, , .	0.7	4
2	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.	1.2	2
3	Contribution of sensory feedback to soleus muscle activity during voluntary contraction in humans. <i>Journal of Neurophysiology</i> , 2022, 127, 1147-1158.	0.9	1
4	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.	2.0	1
5	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.	0.5	3
6	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.	0.8	3
7	Using both electromyography and movement disorder assessment improved the classification of children with dyskinetic cerebral palsy. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2021, , .	0.7	0
8	Factors correlated with running economy among elite middle- and long-distance runners. <i>Physiological Reports</i> , 2021, 9, e15076.	0.7	4
9	The effect of cathodal transspinal direct current stimulation on tibialis anterior stretch reflex components in humans. <i>Experimental Brain Research</i> , 2021, 240, 159.	0.7	5
10	Quantitative MRI and Clinical Assessment of Muscle Function in Adults With Cerebral Palsy. <i>Frontiers in Neurology</i> , 2021, 12, 771375.	1.1	3
11	Neuroplasticity at Home: Improving Home-Based Motor Learning Through Technological Solutions. A Review. <i>Frontiers in Rehabilitation Sciences</i> , 2021, 2, .	0.5	4
12	The benefits of strength training in cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2020, 62, 1232-1232.	1.1	1
13	Transcutaneous spinal direct current stimulation increases corticospinal transmission and enhances voluntary motor output in humans. <i>Physiological Reports</i> , 2020, 8, e14531.	0.7	12
14	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.	0.7	21
15	Wearable electromyography recordings during daily life activities in children with cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2020, 62, 714-722.	1.1	16
16	Gait training facilitates push-off and improves gait symmetry in children with cerebral palsy. <i>Human Movement Science</i> , 2020, 69, 102565.	0.6	10
17	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.	0.9	9
18	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.	0.7	5

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19	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). <i>Nutrients</i> , 2019, 11, 620.	1.7	13
20	Effects on Parental Stress of Early Home-Based CareToy Intervention in Low-Risk Preterm Infants. <i>Neural Plasticity</i> , 2019, 2019, 1-8.	1.0	17
21	Children with dyskinetic cerebral palsy are severely affected as compared to bilateral spastic cerebral palsy. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2019, 108, 1850-1856.	0.7	13
22	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.	1.2	9
23	Maturation of feedforward toe walking motor program is impaired in children with cerebral palsy. <i>Brain</i> , 2019, 142, 526-541.	3.7	17
24	Sustained involuntary muscle activity in cerebral palsy and stroke: same symptom, diverse mechanisms. <i>Brain Communications</i> , 2019, 1, fcz037.	1.5	10
25	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.	1.1	4
26	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.	1.1	68
27	Feedforward neural control of toe walking in humans. <i>Journal of Physiology</i> , 2018, 596, 2159-2172.	1.3	7
28	On Denny-Brown's "spastic dystonia" "What is it and what causes it?". <i>Clinical Neurophysiology</i> , 2018, 129, 89-94.	0.7	42
29	Spasticity in adults with cerebral palsy and multiple sclerosis measured by objective clinically applicable technique. <i>Clinical Neurophysiology</i> , 2018, 129, 2010-2021.	0.7	27
30	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.	0.9	20
31	Development and aging of human spinal cord circuitries. <i>Journal of Neurophysiology</i> , 2017, 118, 1133-1140.	0.9	25
32	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.	0.9	17
33	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.	0.8	27
34	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.	1.1	58
35	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.	0.9	26
36	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, 2749-2760.	1.0	28

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37	Muscle growth is reduced in 15-month-old children with cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2016, 58, 485-491.	1.1	108
38	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.	1.2	32
39	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, 2320-2329.	0.7	53
40	Science-Based Neurorehabilitation: Recommendations for Neurorehabilitation From Basic Science. <i>Journal of Motor Behavior</i> , 2015, 47, 7-17.	0.5	54
41	Twenty weeks of home-based interactive training of children with cerebral palsy improves functional abilities. <i>BMC Neurology</i> , 2015, 15, 75.	0.8	27
42	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.	0.7	25
43	Gait training reduces ankle joint stiffness and facilitates heel strike in children with Cerebral Palsy. <i>NeuroRehabilitation</i> , 2014, 35, 643-655.	0.5	37
44	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, 617-623.	1.1	88
45	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, 1978-1985.	0.9	7
46	Assessment of a portable device for the quantitative measurement of ankle joint stiffness in spastic individuals. <i>Clinical Neurophysiology</i> , 2012, 123, 1371-1382.	0.7	24
47	Distinguishing active from passive components of ankle plantar flexor stiffness in stroke, spinal cord injury and multiple sclerosis. <i>Clinical Neurophysiology</i> , 2010, 121, 1939-1951.	0.7	200
48	Post-activation depression of Soleus stretch reflexes in healthy and spastic humans. <i>Experimental Brain Research</i> , 2008, 185, 189-197.	0.7	118