Inge Zijdewind

List of Publications by Year
in descending order

79	2,914	136950 32	182427 51
papers	citations	h-index	g-index

79	79	79	2946
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Motor fatigue and cognitive task performance in humans. Journal of Physiology, 2002, 545, 313-319.	2.9	135
2	Disease-Induced Skeletal Muscle Atrophy and Fatigue. Medicine and Science in Sports and Exercise, 2016, 48, 2307-2319.	0.4	128
3	Corticospinal excitability during observation and imagery of simple and complex hand tasks: Implications for motor rehabilitation. Behavioural Brain Research, 2010, 213, 35-41.	2.2	118
4	Effects of motor fatigue on human brain activity, an fMRI study. NeuroImage, 2007, 35, 1438-1449.	4.2	110
5	Bilateral Interactions During Contractions of Intrinsic Hand Muscles. Journal of Neurophysiology, 2001, 85, 1907-1913.	1.8	108
6	Effects of imagery motor training on torque production of ankle plantar flexor muscles. Muscle and Nerve, 2003, 28, 168-173.	2.2	96
7	Relation between muscle and brain activity during isometric contractions of the first dorsal interosseus muscle. Human Brain Mapping, 2008, 29, 281-299.	3.6	83
8	Fatigue Perceived by Multiple Sclerosis Patients Is Associated With Muscle Fatigue. Neurorehabilitation and Neural Repair, 2012, 26, 48-57.	2.9	77
9	Voluntary activation and cortical activity during a sustained maximal contraction: An fMRI study. Human Brain Mapping, 2009, 30, 1014-1027.	3.6	75
10	Motor Unit Firing During and After Voluntary Contractions of Human Thenar Muscles Weakened by Spinal Cord Injury. Journal of Neurophysiology, 2003, 89, 2065-2071.	1.8	73
11	The effect of caffeine on cognitive task performance and motor fatigue. Psychopharmacology, 2005, 180, 539-547.	3.1	73
12	The origin of activity in the biceps brachii muscle during voluntary contractions of the contralateral elbow flexor muscles. Experimental Brain Research, 2006, 175, 526-535.	1.5	73
13	Muscle fatigue induced by stimulation with and without doublets. Muscle and Nerve, 2000, 23, 1348-1355.	2.2	69
14	Mechanisms underlying muscle fatigue differ between multiple sclerosis patients and controls: A combined electrophysiological and neuroimaging study. NeuroImage, 2012, 59, 3110-3118.	4.2	66
15	Influence of a voluntary fatigue test on the contralateral homologous muscle in humans?. Neuroscience Letters, 1998, 253, 41-44.	2.1	65
16	The Assessment of Motor Fatigability in Persons With Multiple Sclerosis: A Systematic Review. Neurorehabilitation and Neural Repair, 2017, 31, 413-431.	2.9	65
17	Direct and crossed effects of somatosensory stimulation on neuronal excitability and motor performance in humans. Neuroscience and Biobehavioral Reviews, 2014, 47, 22-35.	6.1	62
18	Fatigue of muscles weakened by death of motoneurons. Muscle and Nerve, 2006, 33, 21-41.	2.2	60

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19	Motor unit activation order during electrically evoked contractions of paralyzed or partially paralyzed muscles. Muscle and Nerve, 2002, 25, 797-804.	2.2	59
20	Contralateral muscle activity and fatigue in the human first dorsal interosseous muscle. Journal of Applied Physiology, 2008, 105, 70-82.	2.5	56
21	Surface EMG measurements during fMRI at 3T: Accurate EMG recordings after artifact correction. NeuroImage, 2005, 27, 240-246.	4.2	55
22	Spontaneous motor unit behavior in human thenar muscles after spinal cord injury. Muscle and Nerve, 2001, 24, 952-962.	2.2	52
23	Human spinal cord injury: motor unit properties and behaviour. Acta Physiologica, 2014, 210, 5-19.	3.8	51
24	Spatial differences in fatigueâ€associated electromyographic behaviour of the human first dorsal interosseus muscle.. Journal of Physiology, 1995, 483, 499-509.	2.9	50
25	Reduced cortical activity during maximal bilateral contractions of the index finger. NeuroImage, 2007, 35, 16-27.	4.2	48
26	Interaction between force production and cognitive performance in humans. Clinical Neurophysiology, 2006, 117, 660-667.	1.5	40
27	Mirror training to augment cross-education during resistance training: a hypothesis. Frontiers in Human Neuroscience, 2013, 7, 396.	2.0	40
28	Fatigue and Fatigability in Persons With Multiple Sclerosis. Exercise and Sport Sciences Reviews, 2016, 44, 123-128.	3.0	40
29	An anterior cruciate ligament injury does not affect the neuromuscular function of the non-injured leg except for dynamic balance and voluntary quadriceps activation. Knee Surgery, Sports Traumatology, Arthroscopy, 2017, 25, 172-183.	4.2	38
30	Electromyogram and force during stimulated fatigue tests of muscles in dominant and non-dominant hands. European Journal of Applied Physiology and Occupational Physiology, 1990, 60, 127-132.	1.2	36
31	Fatigue, Sleep Disturbances, and Their Influence on Quality of Life in Cervical Dystonia Patients. Movement Disorders Clinical Practice, 2017, 4, 517-523.	1.5	36
32	Index finger position and force of the human first dorsal interosseus and its ulnar nerve antagonist. Journal of Applied Physiology, 1994, 77, 987-997.	2.5	35
33	Pacing Strategy, Muscle Fatigue, and Technique in 1500-m Speed-Skating and Cycling Time Trials. International Journal of Sports Physiology and Performance, 2016, 11, 337-343.	2.3	34
34	Somatosensory electrical stimulation improves skill acquisition, consolidation, and transfer by increasing sensorimotor activity and connectivity. Journal of Neurophysiology, 2018, 120, 281-290.	1.8	31
35	Muscle Fatigability During a Sustained Index Finger Abduction and Depression Scores Are Associated With Perceived Fatigue in Patients With Relapsing-Remitting Multiple Sclerosis. Neurorehabilitation and Neural Repair, 2015, 29, 796-802.	2.9	30
36	Firing patterns of spontaneously active motor units in spinal cordâ€injured subjects. Journal of Physiology, 2012, 590, 1683-1697.	2.9	29

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37	Fatigue-associated changes in the electromyogram of the human first dorsal interosseous muscle. Muscle and Nerve, 1999, 22, 1432-1436.	2.2	28
38	Direct and crossed effects of somatosensory electrical stimulation on motor learning and neuronal plasticity in humans. European Journal of Applied Physiology, 2015, 115, 2505-2519.	2.5	28
39	Age-related changes in brain deactivation but not in activation after motor learning. NeuroImage, 2019, 186, 358-368.	4.2	28
40	Patterns of Pathological Firing in Human Motor Units. Advances in Experimental Medicine and Biology, 2002, 508, 237-244.	1.6	28
41	Reduced Dual-Task Performance in MS Patients Is Further Decreased by Muscle Fatigue. Neurorehabilitation and Neural Repair, 2015, 29, 424-435.	2.9	27
42	Reduced Voluntary Activation During Brief and Sustained Contractions of a Hand Muscle in Secondary-Progressive Multiple Sclerosis Patients. Neurorehabilitation and Neural Repair, 2016, 30, 307-316.	2.9	27
43	Neuronal mechanisms of motor learning and motor memory consolidation in healthy old adults. Age, 2015, 37, 9779.	3.0	25
44	Cross-education does not accelerate the rehabilitation of neuromuscular functions after ACL reconstruction: a randomized controlled clinical trial. European Journal of Applied Physiology, 2018, 118, 1609-1623.	2.5	25
45	Neurophysiological impairments in multiple sclerosisâ€"Central and peripheral motor pathways. Acta Neurologica Scandinavica, 2020, 142, 401-417.	2.1	25
46	Racing an Opponent: Alteration of Pacing, Performance, and Muscle-Force Decline but Not Rating of Perceived Exertion. International Journal of Sports Physiology and Performance, 2018, 13, 283-289.	2.3	24
47	Effects of experimentally induced fatigue on healthy older adultsâ€™ gait: A systematic review. PLoS ONE, 2019, 14, e0226939.	2.5	23
48	Fatigue associated EMG behavior of the first dorsal interosseous and adductor pollicis muscles in different groups of subjects. Muscle and Nerve, 1994, 17, 1044-1054.	2.2	22
49	Do Additional Inputs Change Maximal Voluntary Motor Unit Firing Rates After Spinal Cord Injury?. Neurorehabilitation and Neural Repair, 2012, 26, 58-67.	2.9	22
50	Inadvertent Contralateral Activity during a Sustained Unilateral Contraction Reflects the Direction of Target Movement. Journal of Neuroscience, 2009, 29, 6353-6357.	3.6	21
51	Increased reaction times and reduced response preparation already starts at middle age. Frontiers in Aging Neuroscience, 2014, 6, 79.	3.4	19
52	Weight dependent modulation of motor resonance induced by weight estimation during observation of partially occluded lifting actions. Neuropsychologia, 2015, 66, 237-245.	1.6	19
53	MR compatible strain gauge based force transducer. Journal of Neuroscience Methods, 2007, 164, 247-254.	2.5	18
54	Neuronal mechanisms of motor learning are age dependent. Neurobiology of Aging, 2016, 46, 149-159.	3.1	18

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55	Potentiating and fatiguing cortical reactions in a voluntary fatigue test of a human hand muscle. Experimental Brain Research, 2000, 130, 529-532.	1.5	16
56	Secondary sensory area SII is crucially involved in the preparation of familiar movements compared to movements never made before. Human Brain Mapping, 2011, 32, 564-579.	3.6	16
57	Motor Skill Acquisition and Retention after Somatosensory Electrical Stimulation in Healthy Humans. Frontiers in Human Neuroscience, 2016, 10, 115.	2.0	16
58	Age-specific modulation of intermuscular beta coherence during gait before and after experimentally induced fatigue. Scientific Reports, 2020, 10, 15854.	3.3	14
59	Cross-education does not improve early and late-phase rehabilitation outcomes after ACL reconstruction: a randomized controlled clinical trial. Knee Surgery, Sports Traumatology, Arthroscopy, 2019, 27, 478-490.	4.2	13
60	Increased blood pressure can reduce fatigue of thenar muscles paralyzed after spinal cord injury. Muscle and Nerve, 2004, 29, 575-584.	2.2	12
61	Motor unit firing rates during spasms in thenar muscles of spinal cord injured subjects. Frontiers in Human Neuroscience, 2014, 8, 922.	2.0	12
62	Minimal effects of age and prolonged physical and mental exercise on healthy adultsâ€™ gait. Gait and Posture, 2019, 74, 205-211.	1.4	12
63	Potentiating and fatiguing cortical reactions in a voluntary fatigue test of a human hand muscle. Experimental Brain Research, 2000, 130, 529-532.	1.5	9
64	Increased Bilateral Interactions in Middle-Aged Subjects. Frontiers in Aging Neuroscience, 2014, 6, 5.	3.4	9
65	Reduced voluntary drive during sustained but not during brief maximal voluntary contractions in the first dorsal interosseous weakened by spinal cord injury. Journal of Applied Physiology, 2015, 119, 1320-1329.	2.5	8
66	Knee jerk responses in infants at high risk for cerebral palsy: an observational EMG study. Pediatric Research, 2016, 80, 363-370.	2.3	8
67	Force decline after low and high intensity contractions in persons with multiple sclerosis. Clinical Neurophysiology, 2019, 130, 359-367.	1.5	8
68	Task-related variations in motoneuronal drive to a human intrinsic hand muscle. Neuroscience Letters, 1998, 242, 139-142.	2.1	7
69	Age- and Sex-Related Differences in Motor Performance During Sustained Maximal Voluntary Contraction of the First Dorsal Interosseous. Frontiers in Physiology, 2018, 9, 637.	2.8	7
70	A cross-sectional comparison of performance, neurophysiological and MRI outcomes of responders and non-responders to fampridine treatment in multiple sclerosis â€“ An explorative study. Journal of Clinical Neuroscience, 2020, 82, 179-185.	1.5	6
71	Fatigue following mild traumatic brain injury relates to visual processing and effort perception in the context of motor performance. NeuroImage: Clinical, 2021, 32, 102783.	2.7	5
72	Self-Reported Fatigue After Mild Traumatic Brain Injury Is Not Associated With Performance Fatigability During a Sustained Maximal Contraction. Frontiers in Physiology, 2018, 9, 1919.	2.8	4

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73	Editorial: Fatigability and Motor Performance in Special and Clinical Populations. Frontiers in Physiology, 2020, 11, 570861.	2.8	3
74	Older Compared With Younger Adults Performed 467 Fewer Sit-to-Stand Trials, Accompanied by Small Changes in Muscle Activation and Voluntary Force. Frontiers in Aging Neuroscience, 2021, 13, 679282.	3.4	3
75	Increased Ipsilateral M1 Activation after Incomplete Spinal Cord Injury Facilitates Motor Performance. Journal of Neurotrauma, 2021, 38, 2988-2998.	3.4	2
76	Voluntary suppression of associated activity decreases force steadiness in the active hand. European Journal of Neuroscience, 2021, 54, 5075-5091.	2.6	1
77	Muscle Fatigability After Hex-Bar Deadlift Exercise Performed With Fast or Slow Tempo. International Journal of Sports Physiology and Performance, 2021, 16, 117-123.	2.3	0
78	Brain Activity During Motor Fatigue and Cognitive Task Performance. Medicine and Science in Sports and Exercise, 2006, 38, S29.	0.4	0
79	Age-related Increase in Activation of Effort-related Brain Areas During a Sustained Fatiguing Contraction.. Medicine and Science in Sports and Exercise, 2015, 47, 320.	0.4	0