StÃ©phane Baudry

List of Publications by Year
in descending order

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Version: 2024-02-01

58	2,314	218381	223531
papers	citations	26 h-index	46 g-index

59	59	59	2356
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of tendon vibration and age on force reproduction task performed with wrist flexors. Experimental Brain Research, 2022, 240, 941-951.	0.7	4
2	Effects of postactivation potentiation on mechanical output and muscle architecture during electrically induced contractions in plantar flexors. Journal of Applied Physiology, 2022, 132, 1213-1222.	1.2	2
3	Editorial: Neuromechanics in Movement and Disease With Physiological and Pathophysiological Implications: From Fundamental Experiments to Bio-Inspired Technologies. Frontiers in Physiology, 2022, 13, 895968.	1.3	0
4	Application of ultrasound for muscle assessment in sarcopenia: 2020 SARCUS update. European Geriatric Medicine, 2021, 12, 45-59.	1.2	123
5	Forearm muscles fatigue induced by repetitive braking on a motorcycle is best discriminated by specific kinetic parameters. PLoS ONE, 2021, 16, e0246242.	1.1	3
6	Changes in corticospinal excitability during the preparation phase of ballistic and ramp contractions. Journal of Physiology, 2021, 599, 1551-1566.	1.3	7
7	Postural Control Disturbances Induced by Virtual Reality in Stroke Patients. Applied Sciences (Switzerland), 2021, 11, 1510.	1.3	3
8	Passive torque influences the Hoffmann reflex pathway during the loading and unloading phases of plantar flexor muscles stretching. Physiological Reports, 2021, 9, e14834.	0.7	1
9	Muscle Fatigue When Riding a Motorcycle: A Case Study. International Journal of Environmental Research and Public Health, 2021, 18, 7738.	1.2	1
10	Aftereffects of prolonged Achilles tendon vibration on postural control are reduced in older adults. Experimental Gerontology, 2020, 131, 110822.	1.2	7
11	Comparison of Plyometric Training With Two Different Jumping Techniques on Achilles Tendon Properties and Jump Performances. Journal of Strength and Conditioning Research, 2020, 34, 1503-1510.	1.0	18
12	Muscle fatigability measured with Pneumatic and Hydraulic handgrip systems are not interchangeable. Experimental Gerontology, 2020, 136, 110950.	1.2	3
13	Vibrationâ€induced depression in spinal loop excitability revisited. Journal of Physiology, 2019, 597, 5179-5193.	1.3	34
14	Relations between Eye Movement, Postural Sway and Cognitive Involvement in Unprecise and Precise Visual Tasks. Neuroscience, 2019, 416, 177-189.	1.1	13
15	Age-related changes in leg proprioception: implications for postural control. Journal of Neurophysiology, 2019, 122, 525-538.	0.9	124
16	Efficacy of a new strength training design: the 3/7 method. European Journal of Applied Physiology, 2019, 119, 1093-1104.	1.2	14
17	Interaction between eye and body movements to perform visual tasks in upright stance. Human Movement Science, 2019, 68, 102541.	0.6	7
18	The SARCUS project: evidence-based muscle assessment through ultrasound. European Geriatric Medicine, 2019, 10, 157-158.	1.2	13

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19	Anodal transcranial direct current stimulation does not influence the neural adjustments associated with fatiguing contractions in a hand muscle. European Journal of Applied Physiology, 2019, 119, 597-609.	1.2	10
20	Modulation of the Hoffmann reflex in soleus and medial gastrocnemius during stair ascent and descent in young and older adults. Gait and Posture, 2019, 68, 115-121.	0.6	3
21	Influence of working memory and executive function on stair ascent and descent in young and older adults. Experimental Gerontology, 2018, 106, 74-79.	1.2	13
22	Neural Correlates to the Increase in Maximal Force after Dexamethasone Administration. Medicine and Science in Sports and Exercise, 2018, 50, 218-224.	0.2	2
23	Application of ultrasound for muscle assessment in sarcopenia: towards standardized measurements. European Geriatric Medicine, 2018, 9, 739-757.	1.2	122
24	Spinal and corticospinal pathways are differently modulated when standing at the bottom and the top of a three-step staircase in young and older adults. European Journal of Applied Physiology, 2017, 117, 1165-1174.	1.2	7
25	Functional Synergy Between Postural and Visual Behaviors When Performing a Difficult Precise Visual Task in Upright Stance. Cognitive Science, 2017, 41, 1675-1693.	0.8	25
26	Young, Healthy Subjects Can Reduce the Activity of Calf Muscles When Provided with EMG Biofeedback in Upright Stance. Frontiers in Physiology, 2016, 7, 158.	1.3	10
27	Fatigue-induced adjustment in antagonist coactivation by old adults during a steadiness task. Journal of Applied Physiology, 2016, 120, 1039-1046.	1.2	14
28	Active vision task and postural control in healthy, young adults: Synergy and probably not duality. Gait and Posture, 2016, 48, 57-63.	0.6	38
29	A functional synergistic model to explain postural control during precise visual tasks. Gait and Posture, 2016, 50, 120-125.	0.6	29
30	Comparison of muscle activity and tissue oxygenation during strength training protocols that differ by their organisation, rest interval between sets, and volume. European Journal of Applied Physiology, 2016, 116, 1795-1806.	1.2	12
31	Leucine-enriched protein supplementation does not influence neuromuscular adaptations in response to a 6-month strength training programme in older adults. Experimental Gerontology, 2016, 82, 58-66.	1.2	14
32	Aging Changes the Contribution of Spinal and Corticospinal Pathways to Control Balance. Exercise and Sport Sciences Reviews, 2016, 44, 104-109.	1.6	43
33	Intracortical inhibition in the soleus muscle is reduced during the control of upright standing in both young and old adults. European Journal of Applied Physiology, 2016, 116, 959-967.	1.2	25
34	Postural challenge affects motor cortical activity in young and old adults. Experimental Gerontology, 2016, 73, 78-85.	1.2	29
35	M-wave potentiation after voluntary contractions of different durations and intensities in the tibialis anterior. Journal of Applied Physiology, 2015, 118, 953-964.	1.2	22
36	Influence of age and posture on spinal and corticospinal excitability. Experimental Gerontology, 2015, 69, 62-69.	1.2	49

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37	Effects of short-term training combining strength and balance exercises on maximal strength and upright standing steadiness in elderly adults. Experimental Gerontology, 2015, 61, 38-46.	1.2	47
38	Aging causes a reorganization of cortical and spinal control of posture. Frontiers in Aging Neuroscience, 2014, 6, 28.	1.7	145
39	Age-related decrease in motor cortical inhibition during standing under different sensory conditions. Frontiers in Aging Neuroscience, 2014, 6, 126.	1.7	52
40	Effects of Short-Term Dexamethasone Administration on Corticospinal Excitability. Medicine and Science in Sports and Exercise, 2014, 46, 695-701.	0.2	12
41	Cognitive demand does not influence the responsiveness of homonymous Ia afferents pathway during postural dual task in young and elderly adults. European Journal of Applied Physiology, 2014, 114, 295-303.	1.2	7
42	The neural control of coactivation during fatiguing contractions revisited. Journal of Electromyography and Kinesiology, 2014, 24, 780-788.	0.7	37
43	Insights into the neural control of eccentric contractions. Journal of Applied Physiology, 2014, 116, 1418-1425.	1.2	95
44	Maximal discharge rate of motor units determines the maximal rate of force development during ballistic contractions in human. Frontiers in Human Neuroscience, 2014, 8, 234.	1.0	73
45	Effects of load magnitude on muscular activity and tissue oxygenation during repeated elbow flexions until failure. European Journal of Applied Physiology, 2013, 113, 1895-1904.	1.2	13
46	Age-related changes in the behavior of the muscle-tendon unit of the gastrocnemius medialis during upright stance. Journal of Applied Physiology, 2012, 112, 296-304.	1.2	46
47	Ageâ€related influence of vision and proprioception on Ia presynaptic inhibition in soleus muscle during upright stance. Journal of Physiology, 2012, 590, 5541-5554.	1.3	76
48	Task- and time-dependent modulation of Ia presynaptic inhibition during fatiguing contractions performed by humans. Journal of Neurophysiology, 2011, 106, 265-273.	0.9	37
49	Presynaptic Modulation of Ia Afferents in Young and Old Adults When Performing Force and Position Control. Journal of Neurophysiology, 2010, 103, 623-631.	0.9	75
50	Influence of load type on presynaptic modulation of Ia afferent input onto two synergist muscles. Experimental Brain Research, 2009, 199, 83-88.	0.7	27
51	Heteronymous reflex responses in a hand muscle when maintaining constant finger force or position at different contraction intensities. Clinical Neurophysiology, 2009, 120, 210-217.	0.7	23
52	Load Type Influences Motor Unit Recruitment in Biceps Brachii During a Sustained Contraction. Journal of Neurophysiology, 2009, 102, 1725-1735.	0.9	42
53	Postactivation potentiation of short tetanic contractions is differently influenced by stimulation frequency in young and elderly adults. European Journal of Applied Physiology, 2008, 103, 449-459.	1.2	20
54	Age-related decline in rate of torque development is accompanied by lower maximal motor unit discharge frequency during fast contractions. Journal of Applied Physiology, 2008, 104, 739-746.	1.2	254

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55	Postactivation potentiation in a human muscle: effect on the rate of torque development of tetanic and voluntary isometric contractions. Journal of Applied Physiology, 2007, 102, 1394-1401.	1.2	99
56	Age-related fatigability of the ankle dorsiflexor muscles during concentric and eccentric contractions. European Journal of Applied Physiology, 2007, 100, 515-525.	1.2	126
57	Aging does not affect voluntary activation of the ankle dorsiflexors during isometric, concentric, and eccentric contractions. Journal of Applied Physiology, 2005, 99, 31-38.	1.2	93
58	Postactivation potentiation in human muscle is not related to the type of maximal conditioning contraction. Muscle and Nerve, 2004, 30, 328-336.	1.0	66