

Guillaume Millet

List of Publications by Citations

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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.

261
papers

6,549
citations

44
h-index

68
g-index

286
ext. papers

7,689
ext. citations

3.3
avg, IF

6.13
L-index

#	Paper	IF	Citations
261	Alterations of neuromuscular function after prolonged running, cycling and skiing exercises. <i>Sports Medicine</i> , 2004 , 34, 105-16	10.6	233
260	Neuromuscular fatigue during a long-duration cycling exercise. <i>Journal of Applied Physiology</i> , 2002 , 92, 1487-93	3.7	170
259	Neuromuscular consequences of an extreme mountain ultra-marathon. <i>PLoS ONE</i> , 2011 , 6, e17059	3.7	154
258	Alterations of neuromuscular function after an ultramarathon. <i>Journal of Applied Physiology</i> , 2002 , 92, 486-92	3.7	138
257	Mechanisms contributing to knee extensor strength loss after prolonged running exercise. <i>Journal of Applied Physiology</i> , 2003 , 94, 193-8	3.7	128
256	Can neuromuscular fatigue explain running strategies and performance in ultra-marathons?: the flush model. <i>Sports Medicine</i> , 2011 , 41, 489-506	10.6	125
255	The development of peripheral fatigue and short-term recovery during self-paced high-intensity exercise. <i>Journal of Physiology</i> , 2013 , 591, 1339-46	3.9	122
254	Central and peripheral contributions to neuromuscular fatigue induced by a 24-h treadmill run. <i>Journal of Applied Physiology</i> , 2010 , 108, 1224-33	3.7	114
253	Comparison of electrical and magnetic stimulations to assess quadriceps muscle function. <i>Journal of Applied Physiology</i> , 2009 , 106, 701-10	3.7	110
252	Biomechanics and Physiology of Uphill and Downhill Running. <i>Sports Medicine</i> , 2017 , 47, 615-629	10.6	108
251	Time course of neuromuscular alterations during a prolonged running exercise. <i>Medicine and Science in Sports and Exercise</i> , 2004 , 36, 1347-56	1.2	108
250	Modulation of autophagy and ubiquitin-proteasome pathways during ultra-endurance running. <i>Journal of Applied Physiology</i> , 2012 , 112, 1529-37	3.7	106
249	Is the VO ₂ slow component dependent on progressive recruitment of fast-twitch fibers in trained runners?. <i>Journal of Applied Physiology</i> , 2001 , 90, 2212-20	3.7	103
248	Electrical stimulation for testing neuromuscular function: from sport to pathology. <i>European Journal of Applied Physiology</i> , 2011 , 111, 2489-500	3.4	97
247	Energy cost and running mechanics during a treadmill run to voluntary exhaustion in humans. <i>European Journal of Applied Physiology</i> , 1998 , 77, 479-85	3.4	93
246	Assessment of low-frequency fatigue with two methods of electrical stimulation. <i>Journal of Applied Physiology</i> , 2004 , 97, 1923-9	3.7	87
245	Alterations of Neuromuscular Function after the World's Most Challenging Mountain Ultra-Marathon. <i>PLoS ONE</i> , 2013 , 8, e65596	3.7	84

244	Changes in running mechanics and spring-mass behavior induced by a mountain ultra-marathon race. <i>Journal of Biomechanics</i> , 2011 , 44, 1104-7	2.9	83
243	Stimulation of the motor cortex and corticospinal tract to assess human muscle fatigue. <i>Neuroscience</i> , 2013 , 231, 384-99	3.9	81
242	Central and peripheral fatigue kinetics during exhaustive constant-load cycling. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2012 , 22, 381-91	4.6	79
241	Impact reduction during running: efficiency of simple acute interventions in recreational runners. <i>European Journal of Applied Physiology</i> , 2013 , 113, 599-609	3.4	78
240	Benefits of Sleep Extension on Sustained Attention and Sleep Pressure Before and During Total Sleep Deprivation and Recovery. <i>Sleep</i> , 2015 , 38, 1935-43	1.1	77
239	Changes in running kinematics, kinetics, and spring-mass behavior over a 24-h run. <i>Medicine and Science in Sports and Exercise</i> , 2011 , 43, 829-36	1.2	73
238	Cerebral perturbations during exercise in hypoxia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012 , 302, R903-16	3.2	71
237	Ultramarathon is an outstanding model for the study of adaptive responses to extreme load and stress. <i>BMC Medicine</i> , 2012 , 10, 77	11.4	68
236	Does central fatigue explain reduced cycling after complete sleep deprivation?. <i>Medicine and Science in Sports and Exercise</i> , 2013 , 45, 2243-53	1.2	67
235	Dynamics of corticospinal changes during and after high-intensity quadriceps exercise. <i>Experimental Physiology</i> , 2014 , 99, 1053-64	2.4	65
234	Central fatigue assessed by transcranial magnetic stimulation in ultratrail running. <i>Medicine and Science in Sports and Exercise</i> , 2014 , 46, 1166-75	1.2	63
233	Effect of cycling cadence on contractile and neural properties of knee extensors. <i>Medicine and Science in Sports and Exercise</i> , 2001 , 33, 1882-8	1.2	62
232	Effects of recovery modes after knee extensor muscles eccentric contractions. <i>Medicine and Science in Sports and Exercise</i> , 2004 , 36, 1907-15	1.2	60
231	Resting and active motor thresholds versus stimulus-response curves to determine transcranial magnetic stimulation intensity in quadriceps femoris. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014 , 11, 40	5.3	57
230	Severe hypoxia affects exercise performance independently of afferent feedback and peripheral fatigue. <i>Journal of Applied Physiology</i> , 2012 , 112, 1335-44	3.7	57
229	Fatigue and recovery after high-intensity exercise. Part II: Recovery interventions. <i>International Journal of Sports Medicine</i> , 2004 , 25, 509-15	3.6	57
228	Physiological and biological factors associated with a 24 h treadmill ultra-marathon performance. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2011 , 21, 54-61	4.6	55
227	Characterization of the mechanical properties of backpacks and their influence on the energetics of walking. <i>Journal of Biomechanics</i> , 2009 , 42, 125-30	2.9	55

226	Exercise performance is regulated during repeated sprints to limit the development of peripheral fatigue beyond a critical threshold. <i>Experimental Physiology</i> , 2014 , 99, 951-63	2.4	54
225	Fatigue associated with prolonged graded running. <i>European Journal of Applied Physiology</i> , 2016 , 116, 1859-73	3.4	53
224	Sacrificing economy to improve running performance--a reality in the ultramarathon?. <i>Journal of Applied Physiology</i> , 2012 , 113, 507-9	3.7	52
223	Poling forces during roller skiing: effects of technique and speed. <i>Medicine and Science in Sports and Exercise</i> , 1998 , 30, 1645-53	1.2	52
222	Acute and chronic neuromuscular adaptations to local vibration training. <i>European Journal of Applied Physiology</i> , 2017 , 117, 1939-1964	3.4	51
221	Are Females More Resistant to Extreme Neuromuscular Fatigue?. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 1372-82	1.2	48
220	Hemolysis induced by an extreme mountain ultra-marathon is not associated with a decrease in total red blood cell volume. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2014 , 24, 18-27	4.6	45
219	Reliability of near-infrared spectroscopy for measuring biceps brachii oxygenation during sustained and repeated isometric contractions. <i>Journal of Biomedical Optics</i> , 2010 , 15, 017008	3.5	45
218	Simplified deceleration method for assessment of resistive forces in cycling. <i>Medicine and Science in Sports and Exercise</i> , 1999 , 31, 1441-7	1.2	45
217	Changes in voluntary activation assessed by transcranial magnetic stimulation during prolonged cycling exercise. <i>PLoS ONE</i> , 2014 , 9, e89157	3.7	43
216	Benefits of interval-training on fatigue and functional capacities in Charcot-Marie-Tooth disease. <i>Muscle and Nerve</i> , 2008 , 37, 601-10	3.4	42
215	Alterations in running economy and mechanics after maximal cycling in triathletes: influence of performance level. <i>International Journal of Sports Medicine</i> , 2000 , 21, 127-32	3.6	42
214	An Innovative Ergometer to Measure Neuromuscular Fatigue Immediately after Cycling. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 375-387	1.2	41
213	A simple field method to identify foot strike pattern during running. <i>Journal of Biomechanics</i> , 2014 , 47, 1588-93	2.9	41
212	Fatigue and recovery after high-intensity exercise part I: neuromuscular fatigue. <i>International Journal of Sports Medicine</i> , 2004 , 25, 450-6	3.6	41
211	The effect of muscle fatigue on stimulus intensity requirements for central and peripheral fatigue quantification. <i>European Journal of Applied Physiology</i> , 2014 , 114, 205-15	3.4	40
210	Running from Paris to Beijing: biomechanical and physiological consequences. <i>European Journal of Applied Physiology</i> , 2009 , 107, 731-8	3.4	40
209	Neuromuscular fatigue during exercise: Methodological considerations, etiology and potential role in chronic fatigue. <i>Neurophysiologie Clinique</i> , 2017 , 47, 95-110	2.7	39

208	Influence of ultra-long-term fatigue on the oxygen cost of two types of locomotion. <i>European Journal of Applied Physiology</i> , 2000 , 83, 376-80	3.4	38
207	Mechanisms of Fatigue and Recovery in Upper versus Lower Limbs in Men. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 334-343	1.2	35
206	Changes in running mechanics and spring-mass behaviour induced by a 5-hour hilly running bout. <i>Journal of Sports Sciences</i> , 2013 , 31, 299-304	3.6	35
205	Time-dependent effect of acute hypoxia on corticospinal excitability in healthy humans. <i>Journal of Neurophysiology</i> , 2012 , 108, 1270-7	3.2	34
204	Quadriceps function assessment using an incremental test and magnetic neurostimulation: a reliability study. <i>Journal of Electromyography and Kinesiology</i> , 2013 , 23, 649-58	2.5	33
203	Neuromuscular fatigue and exercise capacity in fibromyalgia syndrome. <i>Arthritis Care and Research</i> , 2013 , 65, 432-40	4.7	33
202	Central Regulation and Neuromuscular Fatigue during Exercise of Different Durations. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 1024-32	1.2	33
201	Running Mechanics During the World's Most Challenging Mountain Ultramarathon. <i>International Journal of Sports Physiology and Performance</i> , 2016 , 11, 608-14	3.5	33
200	Cortical voluntary activation testing methodology impacts central fatigue. <i>European Journal of Applied Physiology</i> , 2017 , 117, 1845-1857	3.4	32
199	Assessment of wheelchair drag resistance using a coasting deceleration technique. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2003 , 82, 880-9; quiz 890-2	2.6	32
198	Potential interests and limits of magnetic and electrical stimulation techniques to assess neuromuscular fatigue. <i>Neuromuscular Disorders</i> , 2012 , 22 Suppl 3, S181-6	2.9	31
197	Comparison of neuromuscular adjustments associated with sustained isometric contractions of four different muscle groups. <i>Journal of Applied Physiology</i> , 2013 , 114, 1426-34	3.7	31
196	Alteration of neuromuscular function after a prolonged road cycling race. <i>International Journal of Sports Medicine</i> , 2003 , 24, 190-4	3.6	31
195	Neuromuscular fatigue after a ski skating marathon. <i>Applied Physiology, Nutrition, and Metabolism</i> , 2003 , 28, 434-45		31
194	Safety and efficacy of a 6-month home-based exercise program in patients with facioscapulohumeral muscular dystrophy: A randomized controlled trial. <i>Medicine (United States)</i> , 2016 , 95, e4497	1.8	30
193	Changes in the energy cost of running during a 24-h treadmill exercise. <i>Medicine and Science in Sports and Exercise</i> , 2013 , 45, 1807-13	1.2	30
192	Poling forces during roller skiing: effects of grade. <i>Medicine and Science in Sports and Exercise</i> , 1998 , 30, 1637-44	1.2	30
191	Comments on Point:Counterpoint: Hypobaric hypoxia induces/does not induce different responses from normobaric hypoxia. <i>Journal of Applied Physiology</i> , 2012 , 112, 1788-94	3.7	29

190	Effect of Sleep Extension on the Subsequent Testosterone, Cortisol and Prolactin Responses to Total Sleep Deprivation and Recovery. <i>Journal of Neuroendocrinology</i> , 2016 , 28, 12346	3.8	29
189	Effect of acute hypoxia on central fatigue during repeated isometric leg contractions. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2009 , 19, 695-702	4.6	28
188	Sleep Extension before Sleep Loss: Effects on Performance and Neuromuscular Function. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 1595-603	1.2	28
187	Exercise, sleep and cancer-related fatigue: Are they related?. <i>Neurophysiologie Clinique</i> , 2017 , 47, 111-122.7		27
186	Comparison in muscle damage between maximal voluntary and electrically evoked isometric contractions of the elbow flexors. <i>European Journal of Applied Physiology</i> , 2012 , 112, 429-38	3.4	27
185	Effect of the Fatigue Induced by a 110-km Ultramarathon on Tibial Impact Acceleration and Lower Leg Kinematics. <i>PLoS ONE</i> , 2016 , 11, e0151687	3.7	27
184	Does the Running Economy Really Increase after Ultra-Marathons?. <i>Frontiers in Physiology</i> , 2017 , 8, 783	4.6	26
183	Effects of hiking pole inertia on energy and muscular costs during uphill walking. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, 1117-25	1.2	26
182	Does the mechanical work in running change during the VO ₂ slow component?. <i>Medicine and Science in Sports and Exercise</i> , 2003 , 35, 50-7	1.2	26
181	Effect of pedalling rates on physiological response during endurance cycling. <i>European Journal of Applied Physiology</i> , 2001 , 85, 392-5	3.4	26
180	Foot strike pattern differently affects the axial and transverse components of shock acceleration and attenuation in downhill trail running. <i>Journal of Biomechanics</i> , 2016 , 49, 1765-1771	2.9	26
179	Acute and delayed peripheral and central neuromuscular alterations induced by a short and intense downhill trail run. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2016 , 26, 1321-1333	4.6	25
178	Joint kinematics and ground reaction forces in overground versus treadmill graded running. <i>Gait and Posture</i> , 2018 , 63, 109-113	2.6	25
177	Fatigue induced by a cross-country skiing KO sprint. <i>Medicine and Science in Sports and Exercise</i> , 2006 , 38, 2144-50	1.2	25
176	Stretch-shortening cycle in roller ski skating: effects of technique. <i>International Journal of Sports Medicine</i> , 1998 , 19, 513-20	3.6	24
175	Knee extensors neuromuscular fatigue changes the corticospinal pathway excitability in biceps brachii muscle. <i>Neuroscience</i> , 2017 , 340, 477-486	3.9	23
174	Effects of a 5-h hilly running on ankle plantar and dorsal flexor force and fatigability. <i>European Journal of Applied Physiology</i> , 2012 , 112, 2645-52	3.4	23
173	Biceps brachii muscle oxygenation in electrical muscle stimulation. <i>Clinical Physiology and Functional Imaging</i> , 2010 , 30, 360-368	2.4	23

172	The relationship between oxygen uptake kinetics and neuromuscular fatigue in high-intensity cycling exercise. <i>European Journal of Applied Physiology</i> , 2017 , 117, 969-978	3.4	22
171	Aspects of respiratory muscle fatigue in a mountain ultramarathon race. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 519-27	1.2	22
170	High-intensity sprint fatigue does not alter constant-submaximal velocity running mechanics and spring-mass behavior. <i>European Journal of Applied Physiology</i> , 2012 , 112, 1419-28	3.4	22
169	Muscle, prefrontal, and motor cortex oxygenation profiles during prolonged fatiguing exercise. <i>Advances in Experimental Medicine and Biology</i> , 2013 , 789, 149-155	3.6	22
168	Effects of extreme-duration heavy load carriage on neuromuscular function and locomotion: a military-based study. <i>PLoS ONE</i> , 2012 , 7, e43586	3.7	22
167	Neuromuscular differences between endurance-trained, power-trained, and sedentary subjects. <i>Journal of Strength and Conditioning Research</i> , 2003 , 17, 514-21	3.2	22
166	Pacing Strategy During 24-Hour Ultramarathon-Distance Running. <i>International Journal of Sports Physiology and Performance</i> , 2017 , 12, 590-596	3.5	21
165	Quadriceps Muscles O Extraction and EMG Breakpoints during a Ramp Incremental Test. <i>Frontiers in Physiology</i> , 2017 , 8, 686	4.6	21
164	Comparison between maximal lengthening and shortening contractions for biceps brachii muscle oxygenation and hemodynamics. <i>Journal of Applied Physiology</i> , 2010 , 109, 710-20	3.7	21
163	Relationships between aerobic energy cost, performance and kinematic parameters in roller ski skating. <i>International Journal of Sports Medicine</i> , 2002 , 23, 191-5	3.6	21
162	The repeated-bout effect: influence on biceps brachii oxygenation and myoelectrical activity. <i>Journal of Applied Physiology</i> , 2011 , 110, 1390-9	3.7	20
161	Cyclostationary modeling of ground reaction force signals. <i>Signal Processing</i> , 2010 , 90, 1146-1152	4.4	20
160	Do Sex Differences in Physiology Confer a Female Advantage in Ultra-Endurance Sport?. <i>Sports Medicine</i> , 2021 , 51, 895-915	10.6	20
159	Six Sessions of Sprint Interval Training Improves Running Performance in Trained Athletes. <i>Journal of Strength and Conditioning Research</i> , 2018 , 32, 617-623	3.2	19
158	Vibration-induced depression in spinal loop excitability revisited. <i>Journal of Physiology</i> , 2019 , 597, 5179-5193	3.9	19
157	Assesment of quadriceps strength, endurance and fatigue in FSHD and CMT: benefits and limits of femoral nerve magnetic stimulation. <i>Clinical Neurophysiology</i> , 2014 , 125, 396-405	4.3	19
156	Fat tissue alters quadriceps response to femoral nerve magnetic stimulation. <i>Clinical Neurophysiology</i> , 2011 , 122, 842-7	4.3	19
155	Effect of rolling resistance on poling forces and metabolic demands of roller skiing. <i>Medicine and Science in Sports and Exercise</i> , 1998 , 30, 755-62	1.2	19

154	Etiology of Neuromuscular Fatigue After Repeated Sprints Depends on Exercise Modality. <i>International Journal of Sports Physiology and Performance</i> , 2017 , 12, 878-885	3.5	18
153	Neuromuscular Fatigue during Prolonged Exercise in Hypoxia. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 430-439	1.2	18
152	Effects of the foot strike pattern on muscle activity and neuromuscular fatigue in downhill trail running. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2017 , 27, 809-819	4.6	17
151	Eight weeks of local vibration training increases dorsiflexor muscle cortical voluntary activation. <i>Journal of Applied Physiology</i> , 2017 , 122, 1504-1515	3.7	17
150	The role of the nervous system in neuromuscular fatigue induced by ultra-endurance exercise. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018 , 43, 1151-1157	3	17
149	Tailored exercise interventions to reduce fatigue in cancer survivors: study protocol of a randomized controlled trial. <i>BMC Cancer</i> , 2018 , 18, 757	4.8	17
148	Fatigue after short (100-m), medium (200-m) and long (400-m) treadmill sprints. <i>European Journal of Applied Physiology</i> , 2012 , 112, 1027-36	3.4	17
147	Myocardial damages and left and right ventricular strains after an extreme mountain ultra-long duration exercise. <i>International Journal of Cardiology</i> , 2013 , 165, 391-2	3.2	17
146	Cerebral volumetric changes induced by prolonged hypoxic exposure and whole-body exercise. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014 , 34, 1802-9	7.3	17
145	The effect of hypoxemia and exercise on acute mountain sickness symptoms. <i>Journal of Applied Physiology</i> , 2013 , 114, 180-5	3.7	17
144	The Dynamics of Speed Selection and Psycho-Physiological Load during a Mountain Ultramarathon. <i>PLoS ONE</i> , 2015 , 10, e0145482	3.7	17
143	Quantification of Neuromuscular Fatigue: What Do We Do Wrong and Why?. <i>Sports Medicine</i> , 2020 , 50, 439-447	10.6	17
142	Exercise and colorectal cancer: a systematic review and meta-analysis of exercise safety, feasibility and effectiveness. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2020 , 17, 122	8.4	17
141	Original Research: Central and peripheral quadriceps fatigue in young and middle-aged untrained and endurance-trained men: A comparative study. <i>Experimental Biology and Medicine</i> , 2016 , 241, 1844-52	2.7	16
140	An Acute Exposure to Muscle Vibration Decreases Knee Extensors Force Production and Modulates Associated Central Nervous System Excitability. <i>Frontiers in Human Neuroscience</i> , 2017 , 11, 519	3.3	16
139	CO2 Clamping, Peripheral and Central Fatigue during Hypoxic Knee Extensions in Men. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 2513-24	1.2	16
138	Contraction velocity influence the magnitude and etiology of neuromuscular fatigue during repeated maximal contractions. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015 , 25, e432-44	4.6	16
137	Cycle rate variations in roller ski skating: effects on oxygen uptake and poling forces. <i>International Journal of Sports Medicine</i> , 1998 , 19, 521-5	3.6	16

136	Transcranial magnetic stimulation intensity affects exercise-induced changes in corticomotoneuronal excitability and inhibition and voluntary activation. <i>Neuroscience</i> , 2016 , 314, 125-33 ⁹	3.9	15
135	Calf Compression Sleeves Change Biomechanics but Not Performance and Physiological Responses in Trail Running. <i>Frontiers in Physiology</i> , 2017 , 8, 247	4.6	15
134	Tissue deoxygenation kinetics induced by prolonged hypoxic exposure in healthy humans at rest. <i>Journal of Biomedical Optics</i> , 2013 , 18, 095002	3.5	15
133	Effects of two types of fatigue on the VO ₂ slow component. <i>International Journal of Sports Medicine</i> , 2006 , 27, 475-82	3.6	15
132	Sleep habits and strategies of ultramarathon runners. <i>PLoS ONE</i> , 2018 , 13, e0194705	3.7	15
131	Exercise preferences and associations between fitness parameters, physical activity, and quality of life in high-grade glioma patients. <i>Supportive Care in Cancer</i> , 2017 , 25, 1237-1246	3.9	14
130	Achilles tendon vibration-induced changes in plantar flexor corticospinal excitability. <i>Experimental Brain Research</i> , 2015 , 233, 441-8	2.3	14
129	The effect of rolling massage on the excitability of the corticospinal pathway. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018 , 43, 317-323	3	14
128	Influence of shoes increasing dorsiflexion and decreasing metatarsus flexion on lower limb muscular activity during fitness exercises, walking, and running. <i>Journal of Strength and Conditioning Research</i> , 2008 , 22, 966-73	3.2	14
127	Reliability of single- and paired-pulse transcranial magnetic stimulation for the assessment of knee extensor muscle function. <i>Journal of the Neurological Sciences</i> , 2017 , 375, 442-449	3.2	13
126	Cycling performed on an innovative ergometer at different intensities-durations in men: neuromuscular fatigue and recovery kinetics. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019 , 44, 1320-1328	3	13
125	Comparison between electrically evoked and voluntary isometric contractions for biceps brachii muscle oxidative metabolism using near-infrared spectroscopy. <i>European Journal of Applied Physiology</i> , 2009 , 107, 235-41	3.4	13
124	Effects of pre-induced fatigue vs. concurrent pain on exercise tolerance, neuromuscular performance and corticospinal responses of locomotor muscles. <i>Journal of Physiology</i> , 2020 , 598, 285-302 ⁹	3.9	13
123	Fatigue and Recovery after Single-Stage versus Multistage Ultramarathon Running. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 1691-1698	1.2	13
122	Fatigue and recovery measured with dynamic properties versus isometric force: effects of exercise intensity. <i>Journal of Experimental Biology</i> , 2019 , 222,	3	12
121	The role of engineering in fatigue reduction during human locomotion – a review. <i>Sports Engineering</i> , 2006 , 9, 209-220	1.4	12
120	Decrease in oxygen uptake at the end of a high-intensity submaximal running in humans. <i>International Journal of Sports Medicine</i> , 2002 , 23, 298-304	3.6	12
119	Isometric versus Dynamic Measurements of Fatigue: Does Age Matter? A Meta-analysis. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 2132-2144	1.2	12

118	Characterization of performance fatigability during a self-paced exercise. <i>Journal of Applied Physiology</i> , 2019 , 127, 838-846	3.7	11
117	Modulation of soleus corticospinal excitability during Achilles tendon vibration. <i>Experimental Brain Research</i> , 2015 , 233, 2655-62	2.3	11
116	Changes in running pattern due to fatigue and cognitive load in orienteering. <i>Journal of Sports Sciences</i> , 2010 , 28, 153-60	3.6	11
115	Effects of coil characteristics for femoral nerve magnetic stimulation. <i>Muscle and Nerve</i> , 2010 , 41, 406-9	3.4	11
114	Why does knee extensor muscles torque decrease after eccentric-type exercise?. <i>Journal of Sports Medicine and Physical Fitness</i> , 2005 , 45, 143-51	1.4	11
113	Faster V O kinetics after priming exercises of different duration but same fatigue. <i>Journal of Sports Sciences</i> , 2018 , 36, 1095-1102	3.6	10
112	Effects of high-altitude exposure on supraspinal fatigue and corticospinal excitability and inhibition. <i>European Journal of Applied Physiology</i> , 2017 , 117, 1747-1761	3.4	10
111	Effect of different approaches to target force on transcranial magnetic stimulation responses. <i>Muscle and Nerve</i> , 2013 , 48, 430-2	3.4	10
110	Effects of muscular biopsy on the mechanics of running. <i>European Journal of Applied Physiology</i> , 2009 , 105, 185-90	3.4	10
109	Neural adaptations in quadriceps muscle after 4 weeks of local vibration training in young versus older subjects. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018 , 43, 427-436	3	10
108	Biomechanics of graded running: Part II-Joint kinematics and kinetics. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020 , 30, 1642-1654	4.6	9
107	Improving Perception and Understanding of Nanoscale Phenomena Using Haptics and Visual Analogy. <i>Lecture Notes in Computer Science</i> , 2008 , 847-856	0.9	9
106	Changes in tibialis anterior corticospinal properties after acute prolonged muscle vibration. <i>European Journal of Applied Physiology</i> , 2016 , 116, 1197-205	3.4	9
105	Comparison of electrical nerve stimulation, electrical muscle stimulation and magnetic nerve stimulation to assess the neuromuscular function of the plantar flexor muscles. <i>European Journal of Applied Physiology</i> , 2015 , 115, 1429-39	3.4	8
104	Mechanisms of neuromuscular fatigue and recovery in unilateral versus bilateral maximal voluntary contractions. <i>Journal of Applied Physiology</i> , 2020 , 128, 785-794	3.7	8
103	Post-exertional Malaise in People With Chronic Cancer-Related Fatigue. <i>Journal of Pain and Symptom Management</i> , 2020 , 60, 407-416	4.8	8
102	A 12-Week Pilot Exercise Program for Inactive Adults With Celiac Disease: Study Protocol. <i>Global Advances in Health and Medicine</i> , 2019 , 8, 2164956119853777	1.9	8
101	Blood cardiac biomarkers responses are associated with 24 h ultramarathon performance. <i>Heliyon</i> , 2019 , 5, e01913	3.6	8

100	External loading does not change energy cost and mechanics of rollerski skating. <i>European Journal of Applied Physiology</i> , 1998 , 78, 276-82	3.4	8
99	Neuromuscular Fatigue of Cycling Exercise in Hypoxia. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 1888-1899	1.2	8
98	Influence of shoe drop on running kinematics and kinetics in female runners. <i>European Journal of Sport Science</i> , 2019 , 19, 1320-1327	3.9	7
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