Thomas J Hureau

List of Publications by Year
in descending order

46 papers	931 citations	516710 16 h-index	477307 29 g-index
46 all docs	46 docs citations	46 times ranked	822 citing authors

#	Article	IF	Citations
1	Energy Cost of Running in Well-Trained Athletes: Toward Slope-Dependent Factors. International Journal of Sports Physiology and Performance, 2022, 17, 423-431.	2.3	4
2	Impact of aging on the work of breathing during exercise in healthy men. Journal of Applied Physiology, 2022, 132, 689-698.	2.5	3
3	Chemotherapy impairs skeletal muscle mitochondrial homeostasis in early breast cancer patients. Journal of Cachexia, Sarcopenia and Muscle, 2022, 13, 1896-1907.	7.3	23
4	On the role of skeletal muscle acidosis and inorganic phosphates as determinants of central and peripheral fatigue: A ³¹Pâ€MRS study. Journal of Physiology, 2022, 600, 3069-3081.	2.9	23
5	Physiological factors determining downhill vs uphill running endurance performance. Journal of Science and Medicine in Sport, 2021, 24, 85-91.	1.3	18
6	Ascorbate attenuates cycling exercise-induced neuromuscular fatigue but fails to improve exertional dyspnea and exercise tolerance in COPD. Journal of Applied Physiology, 2021, 130, 69-79.	2.5	8
7	Heart failure with preserved ejection fraction diminishes peripheral hemodynamics and accelerates exercise-induced neuromuscular fatigue. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H338-H351.	3.2	13
8	High-intensity downhill running exacerbates heart rate and muscular fatigue in trail runners. Journal of Sports Sciences, 2021, 39, 815-825.	2.0	9
9	Small-Sided Games Are Not as Effective as Intermittent Running to Stimulate Aerobic Metabolism in Prepubertal Soccer Players. International Journal of Sports Physiology and Performance, 2021, 16, 273-279.	2.3	6
10	Identifying sex differences in neuromuscular fatigue: the challenge of normalizing exercise intensity and interpreting the results between populations. Journal of Physiology, 2021, 599, 2801-2802.	2.9	6
11	Skeletal Muscle Deconditioning in Breast Cancer Patients Undergoing Chemotherapy: Current Knowledge and Insights From Other Cancers. Frontiers in Cell and Developmental Biology, 2021, 9, 719643.	3.7	19
12	Acute high-intensity exercise and skeletal muscle mitochondrial respiratory function: role of metabolic perturbation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 321, R687-R698.	1.8	3
13	Recovery from Fatigue after Cycling Time Trials in Elite Endurance Athletes. Medicine and Science in Sports and Exercise, 2021, 53, 904-917.	0.4	15
14	On the implication of dietary nitrate supplementation for the hemodynamic and fatigue response to cycling exercise. Journal of Applied Physiology, 2021, 131, 1691-1700.	2.5	8
15	Similar Cardioventilatory but Greater Neuromuscular Stimuli With Interval Drop Jump Than With Interval Running. International Journal of Sports Physiology and Performance, 2020, 15, 330-339.	2.3	8
16	Centrallyâ€mediated regulation of peripheral fatigue during knee extensor exercise and consequences on the forceâ€duration relationship in older men. European Journal of Sport Science, 2020, 20, 641-649.	2.7	10
17	Trail Runners Cannot Reach VË™O2max during a Maximal Incremental Downhill Test. Medicine and Science in Sports and Exercise, 2020, 52, 1135-1143.	0.4	17
18	The relationship between Wâ€² and peripheral fatigue considered. Experimental Physiology, 2020, 105, 211-212.	2.0	3

#	Article	IF	Citations
19	Aging reduces the maximal level of peripheral fatigue tolerable and impairs exercise capacity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 319, R617-R625.	1.8	7
20	Evolution of Physical Status From Diagnosis to the End of First-Line Treatment in Breast, Lung, and Colorectal Cancer Patients: The PROTECT-01 Cohort Study Protocol. Frontiers in Oncology, 2020, 10, 1304.	2.8	5
21	The exercise pressor reflex and chemoreflex interaction: cardiovascular implications for the exercising human. Journal of Physiology, 2020, 598, 2311-2321.	2.9	29
22	Skeletal Muscle Mitochondrial Adaptations to Maximal Strength Training in Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 2269-2277.	3.6	10
23	Pharmacological attenuation of group III/IV muscle afferents improves endurance performance when oxygen delivery to locomotor muscles is preserved. Journal of Applied Physiology, 2019, 127, 1257-1266.	2.5	31
24	Commentaries on Viewpoint: Distinct modalities of eccentric exercise: different recipes, not the same dish. Journal of Applied Physiology, 2019, 127, 884-891.	2.5	10
25	Influence of group III/IV muscle afferents on small muscle mass exercise performance: a bioenergetics perspective. Journal of Physiology, 2018, 596, 2301-2314.	2.9	36
26	Identifying the role of group III/IV muscle afferents in the carotid baroreflex control of mean arterial pressure and heart rate during exercise. Journal of Physiology, 2018, 596, 1373-1384.	2.9	27
27	The â€˜sensory tolerance limitâ€™: A hypothetical construct determining exercise performance?. European Journal of Sport Science, 2018, 18, 13-24.	2.7	146
28	Response. Medicine and Science in Sports and Exercise, 2018, 50, 1719-1719.	0.4	1
29	Acute High-Intensity Exercise Impairs Skeletal Muscle Respiratory Capacity. Medicine and Science in Sports and Exercise, 2018, 50, 2409-2417.	0.4	34
30	Maximal strength training increases muscle force generating capacity and the anaerobic ATP synthesis flux without altering the cost of contraction in elderly. Experimental Gerontology, 2018, 111, 154-161.	2.8	20
31	Commentaries on Viewpoint: Resistance training and exercise tolerance during high-intensity exercise: moving beyond just running economy and muscle strength. Journal of Applied Physiology, 2018, 124, 529-535.	2.5	1
32	Impact of age on the development of fatigue during large and small muscle mass exercise. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R741-R750.	1.8	14
33	Impact of Aging on Inspiratory and Expiratory Work during Exercise. FASEB Journal, 2018, 32, 855.10.	0.5	0
34	Effect of Intra-Venous Antioxidant Infusion on the Development of Neuromuscular Fatigue During Whole Body Exercise in Hypertensive Middle-Age Individuals. Medicine and Science in Sports and Exercise, 2018, 50, 235.	0.4	0
35	Skeletal muscle bioenergetics during all-out exercise: mechanistic insight into the oxygen uptake slow component and neuromuscular fatigue. Journal of Applied Physiology, 2017, 122, 1208-1217.	2.5	50
36	Increased Fatigue Response to Augmented Deceptive Feedback during Cycling Time Trial. Medicine and Science in Sports and Exercise, 2017, 49, 1541-1551.	0.4	15

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37	Commentaries on Viewpoint: Could small-diameter muscle afferents be responsible for the ergogenic effect of limb ischemic preconditioning?. Journal of Applied Physiology, 2017, 122, 721-725.	2.5	5
38	Limitation of fatigue and performance during exercise: the brainâ€“muscle interaction. Experimental Physiology, 2017, 102, 3-4.	2.0	10
39	Bioenergetics and ATP Synthesis during Exercise. Medicine and Science in Sports and Exercise, 2017, 49, 2404-2413.	0.4	23
40	Effect Of Dietary Nitrate Supplementation On The Development Of Neuromuscular Fatigue During Whole Body Exercise. Medicine and Science in Sports and Exercise, 2017, 49, 1090-1091.	0.4	0
41	Skeletal Muscle Force Production and Bioenergetics During All-out Exercise. Medicine and Science in Sports and Exercise, 2017, 49, 903.	0.4	0
42	Peripheral and Central Fatigue Development during All-Out Repeated Cycling Sprints. Medicine and Science in Sports and Exercise, 2016, 48, 391-401.	0.4	58
43	Group III/IV muscle afferents limit the intramuscular metabolic perturbation during whole body exercise in humans. Journal of Physiology, 2016, 594, 5303-5315.	2.9	127
44	The mechanistic basis of the powerâ€“time relationship: potential role of the group III/IV muscle afferents. Journal of Physiology, 2016, 594, 7165-7166.	2.9	9
45	Ascorbate Attenuates the Development of Fatigue During Exercise in Patients with Chronic Obstructive Pulmonary Disease. Medicine and Science in Sports and Exercise, 2016, 48, 284.	0.4	0
46	Exercise performance is regulated during repeated sprints to limit the development of peripheral fatigue beyond a critical threshold. Experimental Physiology, 2014, 99, 951-963.	2.0	67