Franck Brocherie

List of Publications by Year
in descending order

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95 papers	1,890 citations	257357 24 h-index	302012 39 g-index
96 all docs	96 docs citations	96 times ranked	1398 citing authors

#	Article	IF	Citations
1	Asymmetries during repeated treadmill sprints in elite female Rugby Sevens players. Sports Biomechanics, 2023, 22, 863-873.	0.8	11
2	Effects of repeated-sprint training in hypoxia induced by voluntary hypoventilation on performance during ice hockey off-season. International Journal of Sports Science and Coaching, 2023, 18, 446-452.	0.7	1
3	Reliability of the force-velocity-power variables during ice hockey sprint acceleration. Sports Biomechanics, 2022, 21, 56-70.	0.8	18
4	Ice Hockey Forward Skating Force-Velocity Profiling Using Single Unloaded vs. Multiple Loaded Methods. Journal of Strength and Conditioning Research, 2022, 36, 3229-3233.	1.0	3
5	Effects of a 14-Day High-Intensity Shock Microcycle in High-Level Ice Hockey Players' Fitness. Journal of Strength and Conditioning Research, 2022, 36, 2247-2252.	1.0	4
6	International matches elicit stable mechanical workload in high-level female ice hockey. Biology of Sport, 2022, 39, 857-864.	1.7	4
7	Motor Simulation as an Adjunct to Patient Recovery Process Following Intensive Care Unit Admission. Frontiers in Medicine, 2022, 9, 868514.	1.2	0
8	Commentaries on Viewpoint: Consider iron status when making sex comparisons in human physiology. Journal of Applied Physiology, 2022, 132, 703-709.	1.2	1
9	Multi-hosting UEFA European Football Championship: fair enough between participating teams?. Science and Medicine in Football, 2022, , 1-6.	1.0	0
10	Faster early rate of force development in warmer muscle: an in vivo exploration of fascicle dynamics and muscle-tendon mechanical properties. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2022, 323, R123-R132.	0.9	3
11	How does playing position affect fatigueâ€induced changes in highâ€intensity locomotor and microâ€movements patterns during professional rugby union games?. European Journal of Sport Science, 2021, 21, 1364-1374.	1.4	6
12	Mechanical determinants of forward skating sprint inferred from offâ€•and onâ€ice forceâ€velocity evaluations in elite female ice hockey players. European Journal of Sport Science, 2021, 21, 192-203.	1.4	11
13	Central and peripheral muscle fatigue following repeatedâ€sprint running in moderate and severe hypoxia. Experimental Physiology, 2021, 106, 126-138.	0.9	12
14	Concomitant aerobic- and hypertrophy-related skeletal muscle cell signaling following blood flow-restricted walking. Science and Sports, 2021, 36, e51-e58.	0.2	11
15	Hyperthermia reduces electromechanical delay via accelerated electrochemical processes. Journal of Applied Physiology, 2021, 130, 290-297.	1.2	3
16	Do twelve normobaric hypoxic exposures indeed provoke relevant acclimatization for high-altitude workers?. International Journal of Biometeorology, 2021, 65, 637-638.	1.3	1
17	Effect of heat pre-conditioning on recovery following exercise-induced muscle damage. Current Research in Physiology, 2021, 4, 155-162.	0.8	6
18	Truncated Estimation of Skating Force-Velocity Profiling When Using High-Speed Video-Based Methods Compared to Radar-Derived Processing. Frontiers in Bioengineering and Biotechnology, 2021, 9, 661744.	2.0	1

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19	Comparing Hypoxic and Heat Stressors: More Challenging Than it Seems. Exercise and Sport Sciences Reviews, 2021, 49, 223-224.	1.6	0
20	Under the Hood: Skeletal Muscle Determinants of Endurance Performance. Frontiers in Sports and Active Living, 2021, 3, 719434.	0.9	28
21	Altitude and COVIDâ€19: Friend or foe? A narrative review. Physiological Reports, 2021, 8, e14615.	0.7	35
22	Editorial: From Physiological Adaptations to Endurance Performance: It Is Time to Bridge the Gap. Frontiers in Sports and Active Living, 2021, 3, 775654.	0.9	0
23	Olympic Sports Scienceâ€"Bibliometric Analysis of All Summer and Winter Olympic Sports Research. Frontiers in Sports and Active Living, 2021, 3, 772140.	0.9	16
24	High-intensity Activity in European vs. National Rugby Union Games in the best 2014â€"2015 Team. International Journal of Sports Medicine, 2021, 42, 529-536.	0.8	1
25	Three weeks of a home-based â€œsleep low-train lowâ€•intervention improves functional threshold power in trained cyclists: A feasibility study. PLoS ONE, 2021, 16, e0260959.	1.1	4
26	Exercise-Based Injury Prevention in High-Level and Professional Athletes: Narrative Review and Proposed Standard Operating Procedure for Future Lockdown-Like Contexts After COVID-19. Frontiers in Sports and Active Living, 2021, 3, 745765.	0.9	4
27	Running mechanics and leg muscle activity patterns during early and late acceleration phases of repeated treadmill sprints in male recreational athletes. European Journal of Applied Physiology, 2020, 120, 2785-2796.	1.2	7
28	Combining Blood Flow Restriction Training With Heat To Maximize Hypertrophy And Strength In Rugby Players. Medicine and Science in Sports and Exercise, 2020, 52, 845-845.	0.2	0
29	Editorial: Elevating Sport Performance to New Heights With Innovative â€˜Live Low â€“ Train Highâ€™ Altitude Training. Frontiers in Sports and Active Living, 2020, 2, 108.	0.9	3
30	On the Use of the Repeated-Sprint Training in Hypoxia in Tennis. Frontiers in Physiology, 2020, 11, 588821.	1.3	10
31	Hypoxic exercise as an effective nonpharmacological therapeutic intervention. Experimental and Molecular Medicine, 2020, 52, 529-530.	3.2	10
32	Hypoxic Training Is Beneficial in Elite Athletes. Medicine and Science in Sports and Exercise, 2020, 52, 515-518.	0.2	42
33	Effectiveness of the hypoxic exercise test to predict altitude illness and performance at moderate altitude in highâ€level swimmers. Physiological Reports, 2020, 8, e14390.	0.7	8
34	An Updated Panorama of â€œLiving Low-Training Highâ€•Altitude/Hypoxic Methods. Frontiers in Sports and Active Living, 2020, 2, 26.	0.9	43
35	All Alone We Go Faster, Together We Go Further: The Necessary Evolution of Professional and Elite Sporting Environment to Bridge the Gap Between Research and Practice. Frontiers in Sports and Active Living, 2020, 2, 631147.	0.9	8
36	Influence of environmental factors on Olympic cross-country mountain bike performance. Temperature, 2020, 7, 149-156.	1.6	4

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37	Influence of Altitude on Elite Biathlon Performances. High Altitude Medicine and Biology, 2019, 20, 312-317.	0.5	3
38	Effect of a 16-Day Altitude Training Camp on 3,000-m Steeplechase Running Energetics and Biomechanics: A Case Study. Frontiers in Sports and Active Living, 2019, 1, 63.	0.9	1
39	Comparison of Game Movement Positional Profiles Between Professional Club and Senior International Rugby Union Players. International Journal of Sports Medicine, 2019, 40, 385-389.	0.8	15
40	Upperâ€body repeatedâ€sprint training in hypoxia in international rugby union players. European Journal of Sport Science, 2019, 19, 1175-1183.	1.4	9
41	Translating Science Into Practice: The Perspective of the Doha 2019 IAAF World Championships in the Heat. Frontiers in Sports and Active Living, 2019, 1, 39.	0.9	23
42	Wales Anaerobic Test. Journal of Strength and Conditioning Research, 2019, Publish Ahead of Print, .	1.0	3
43	Repeated-Sprint Training in Hypoxia in International Rugby Union Players. International Journal of Sports Physiology and Performance, 2019, 14, 850-854.	1.1	21
44	Is live highâ€“train low altitude training relevant for elite athletes? Flawed analysis from inaccurate data. British Journal of Sports Medicine, 2019, 53, 923-925.	3.1	27
45	Repeated sprint training in hypoxia â€“ an innovative method. Deutsche Zeitschrift Fur Sportmedizin, 2019, 2019, 115-122.	0.2	43
46	Repeated maximalâ€intensity hypoxic exercise superimposed to hypoxic residence boosts skeletal muscle transcriptional responses in elite teamâ€sport athletes. Acta Physiologica, 2018, 222, e12851.	1.8	44
47	Do male athletes with already high initial haemoglobin mass benefit from â€˜live highâ€“train lowâ€™ altitude training?. Experimental Physiology, 2018, 103, 68-76.	0.9	18
48	Effects of Repeated-Sprint Training in Hypoxia on Tennis-Specific Performance in Well-Trained Players. Sports Medicine International Open, 2018, 02, E123-E132.	0.3	18
49	Updated analysis of changes in locomotor activities across periods in an international ice hockey game. Biology of Sport, 2018, 35, 261-267.	1.7	35
50	â€œLive High-Train Lowâ€•Paradigm: Moving the Debate Forward. Exercise and Sport Sciences Reviews, 2018, 46, 271-271.	1.6	0
51	Effect of Prior Fatiguing Sport-Specific Exercise on Field Hockey Passing Ability. International Journal of Sports Physiology and Performance, 2018, 13, 1324-1330.	1.1	3
52	Shock microcycle of repeated-sprint training in hypoxia and tennis performance: Case study in a rookie professional player. International Journal of Sports Science and Coaching, 2018, 13, 723-728.	0.7	10
53	Adaptations in muscle oxidative capacity, fiber size, and oxygen supply capacity after repeated-sprint training in hypoxia combined with chronic hypoxic exposure. Journal of Applied Physiology, 2018, 124, 1403-1412.	1.2	25
54	Altitudeâ€induced responses observed in the control group. Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 2243-2243.	1.3	2

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55	Is Plantar Loading Altered During Repeated Sprints on Artificial Turf in International Football Players?. Journal of Sports Science and Medicine, 2018, 17, 359-365.	0.7	2
56	Mechanical alterations during interval-training treadmill runs in high-level male team-sport players. Journal of Science and Medicine in Sport, 2017, 20, 87-91.	0.6	15
57	Commentaries on Viewpoint: Human skeletal muscle wasting in hypoxia: a matter of hypoxic dose?. Journal of Applied Physiology, 2017, 122, 409-411.	1.2	5
58	Lower limb mechanical asymmetry during repeated treadmill sprints. Human Movement Science, 2017, 52, 203-214.	0.6	39
59	Effects of Repeated-Sprint Training in Hypoxia on Sea-Level Performance: A Meta-Analysis. Sports Medicine, 2017, 47, 1651-1660.	3.1	128
60	Effects of Altitude/Hypoxia on Single- and Multiple-Sprint Performance: A Comprehensive Review. Sports Medicine, 2017, 47, 1931-1949.	3.1	105
61	Kinetic Sprint Asymmetries on a non-motorised Treadmill in Rugby Union Athletes. International Journal of Sports Medicine, 2017, 38, 1017-1022.	0.8	20
62	Hypoxic dose, intensity distribution, and fatigue monitoring are paramount for â€œlive high-train lowâ€• effectiveness. European Journal of Applied Physiology, 2017, 117, 2119-2120.	1.2	7
63	Clarification on altitude training. Experimental Physiology, 2017, 102, 130-131.	0.9	9
64	Psychophysiological Responses to Repeated-Sprint Training in Normobaric Hypoxia and Normoxia. International Journal of Sports Physiology and Performance, 2017, 12, 115-123.	1.1	22
65	Mechanical Alterations Associated with Repeated Treadmill Sprinting under Heat Stress. PLoS ONE, 2017, 12, e0170679.	1.1	11
66	Does "Live High-Train Low (and High)" Hypoxic Training Alter Running Mechanics In Elite Team-sport Players?. Journal of Sports Science and Medicine, 2017, 16, 328-332.	0.7	1
67	High Altitude Increases Alteration in Maximal Torque but Not in Rapid Torque Development in Knee Extensors after Repeated Treadmill Sprinting. Frontiers in Physiology, 2016, 7, 97.	1.3	9
68	Therapeutic Use of Exercising in Hypoxia: Promises and Limitations. Frontiers in Physiology, 2016, 7, 224.	1.3	98
69	Mechanical Alterations to Repeated Treadmill Sprints in Normobaric Hypoxia. Medicine and Science in Sports and Exercise, 2016, 48, 1570-1579.	0.2	28
70	Commentaries on Viewpoint: Time for a new metric for hypoxic dose?Commentaries on Viewpoint: Time for a new metric for hypoxic dose?Commentaries on Viewpoint: Time for a new metric for hypoxic dose?Commentaries on Viewpoint: Time for a new metric for hypoxic dose?Commentaries on Viewpoint: Time for a new metric for hypoxic dose?Commentaries on Viewpoint: Time for a new metric for hypoxic dose?. Journal of Applied Physiology, 2016, 121, 356-358.	1.2	29
71	Intrasession and Intersession Reliability of Running Mechanics During Treadmill Sprints. International Journal of Sports Physiology and Performance, 2016, 11, 432-439.	1.1	19
72	Does altitude level of a prior timeâ€trial modify subsequent exercise performance in hypoxia and associated neuromuscular responses?. Physiological Reports, 2016, 4, e12804.	0.7	2

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73	Changes in running mechanics over 100-m, 200-m and 400-m treadmill sprints. Journal of Biomechanics, 2016, 49, 1490-1497.	0.9	27
74	Running mechanical alterations during repeated treadmill sprints in hotversushypoxic environments. A pilot study. Journal of Sports Sciences, 2016, 34, 1190-1198.	1.0	15
75	Altitud y deportes de equipo: mÃ©todos tradicionales desafiados por un entrenamiento innovador y especÃfico en hipoxia.]Altitude and team sports: traditional methods challenged by innovative sport-specific training in hypoxia].. RICYDE Revista Internacional De Ciencias Del Deporte, 2016, 12, 338-358.	0.1	2
76	Comparison of Four Sections for Analyzing Running Mechanics Alterations During Repeated Treadmill Sprints. Journal of Applied Biomechanics, 2015, 31, 389-395.	0.3	24
77	High-Intensity Intermittent Training in Hypoxia. Journal of Strength and Conditioning Research, 2015, 29, 226-237.	1.0	66
78	Influence of Weather, Rank, and Home Advantage on Football Outcomes in the Gulf Region. Medicine and Science in Sports and Exercise, 2015, 47, 401-410.	0.2	19
79	â€œLive Highâ€“Train Low and Highâ€•Hypoxic Training Improves Team-Sport Performance. Medicine and Science in Sports and Exercise, 2015, 47, 2140-2149.	0.2	89
80	Emerging Environmental and Weather Challenges in Outdoor Sports. Climate, 2015, 3, 492-521.	1.2	44
81	Association of Hematological Variables with Team-Sport Specific Fitness Performance. PLoS ONE, 2015, 10, e0144446.	1.1	24
82	Can analysis of performance and neuromuscular recoveries from repeated sprints shed more light on its fatigue-causing mechanisms?. Frontiers in Physiology, 2015, 6, 5.	1.3	6
83	Neuro-mechanical determinants of repeated treadmill sprints - Usefulness of an â€œhypoxic to normoxic recoveryâ€•approach. Frontiers in Physiology, 2015, 6, 260.	1.3	22
84	Is the Wet-Bulb Globe Temperature (WBGT) Index Relevant for Exercise in the Heat?. Sports Medicine, 2015, 45, 1619-1621.	3.1	40
85	Neuro-mechanical and metabolic adjustments to the repeated anaerobic sprint test in professional football players. European Journal of Applied Physiology, 2015, 115, 891-903.	1.2	58
86	Outdoor exercise performance in ambient heat: Time to overcome challenging factors?. International Journal of Hyperthermia, 2014, 30, 547-549.	1.1	11
87	Relationships between anthropometric measures and athletic performance, with special reference to repeated-sprint ability, in the Qatar national soccer team. Journal of Sports Sciences, 2014, 32, 1243-1254.	1.0	70
88	Hypoxic training and team sports: a challenge to traditional methods?. British Journal of Sports Medicine, 2013, 47, i6-i7.	3.1	57
89	On the use of mobile inflatable hypoxic marquees for sport-specific altitude training in team sports. British Journal of Sports Medicine, 2013, 47, i121-i123.	3.1	20
90	Running Mechanics And Spring-Mass Behaviour During Treadmill Repeated Sprints Are Different In Hypoxia And In Normoxia. , 2013, , .		0

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91	Relationships between anthropometric factors and repeated-sprint ability in the Qatar national soccer team. Qatar Foundation Annual Research Forum Proceedings, 2012, , BMPS11.	0.0	0
92	Repeated sprinting on natural grass impairs vertical stiffness but does not alter plantar loading in soccer players. European Journal of Applied Physiology, 2011, 111, 2547-2555.	1.2	44
93	Yo-Yo Intermittent Recovery Test Performance in Soccer Players. Medicine and Science in Sports and Exercise, 2010, 42, 833.	0.2	0
94	Repeated sprinting on natural grass impairs vertical stiffness but doesn't alter plantar loading in Qatari soccer players. Qatar Foundation Annual Research Forum Proceedings, 2010, , BMP25.	0.0	0
95	Electrostimulation Training Effects on the Physical Performance of Ice Hockey Players. Medicine and Science in Sports and Exercise, 2005, 37, 455-460.	0.2	83