

Jean-François Toussaint

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

4,417
citations

126907

33
h-index

106344

65
g-index

87
all docs

87
docs citations

87
times ranked

4910
citing authors

#	ARTICLE	IF	CITATIONS
1	Does maternity during sports career jeopardize future athletic success in elite marathon runners?. European Journal of Sport Science, 2023, 23, 896-903.	2.7	3
2	Is the visual impairment origin a performance factor? Analysis of international-level para swimmers and para athletes. Journal of Sports Sciences, 2022, 40, 489-497.	2.0	8
3	Is physical fitness associated with the type of attended school? A cross-sectional analysis among adolescents. Journal of Sports Medicine and Physical Fitness, 2022, 62, .	0.7	4
4	Comment on: "Potential long-term health problems associated with ultra-endurance running: a narrative review". Sports Medicine, 2022, 52, 955.	6.5	2
5	Exercise Dose Equalization in High-Intensity Interval Training: A Scoping Review. International Journal of Environmental Research and Public Health, 2022, 19, 4980.	2.6	4
6	Echocardiographic Assessment of Left Ventricular Function 10 Years after the Ultra-Endurance Running Event Eco-Trail de Paris® 2011. International Journal of Environmental Research and Public Health, 2022, 19, 8268.	2.6	0
7	High hopes: lower risk of death due to mental disorders and self-harm in a century-long US Olympian cohort compared with the general population. British Journal of Sports Medicine, 2021, 55, 900-905.	6.7	9
8	Female and male US Olympic athletes live 5 years longer than their general population counterparts: a study of 8124 former US Olympians. British Journal of Sports Medicine, 2021, 55, 206-212.	6.7	26
9	The Effects of Menstrual Cycle Phase on Elite Athlete Performance: A Critical and Systematic Review. Frontiers in Physiology, 2021, 12, 654585.	2.8	45
10	COVID-19-Related National Re-confinement: Recommendations From the National French Observatory for Physical Activity and Sedentary Behaviors (ONAPS). Journal of Physical Activity and Health, 2021, 18, 474-476.	2.0	4
11	Heads-Up: Risk-Specific Neurodegenerative Mortality and Years-Saved Analysis on the US Olympian Cohort. Frontiers in Physiology, 2021, 12, 705616.	2.8	1
12	Covid-19 Mortality: A Matter of Vulnerability Among Nations Facing Limited Margins of Adaptation. Frontiers in Public Health, 2020, 8, 604339.	2.7	55
13	Does an Optimal Relationship Between Injury Risk and Workload Represented by the "Sweet Spot" Really Exist? An Example From Elite French Soccer Players and Pentathletes. Frontiers in Physiology, 2020, 11, 1034.	2.8	7
14	Training load quantification of high intensity exercises: Discrepancies between original and alternative methods. PLoS ONE, 2020, 15, e0237027.	2.5	5
15	Body and Boat: Significance of Morphology on Elite Rowing Performance. Frontiers in Sports and Active Living, 2020, 2, 597676.	1.8	5
16	Involvement in Multiple Race Events Among International Para and Non-disabled Swimmers. Frontiers in Sports and Active Living, 2020, 2, 608777.	1.8	2
17	Quantifying Collective Performance in Rugby Union. Frontiers in Sports and Active Living, 2019, 1, 44.	1.8	1
18	An integrative modeling approach to the age-performance relationship in mammals at the cellular scale. Scientific Reports, 2019, 9, 418.	3.3	28

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19	Age-Related Changes in Para and Wheelchair Racing Athlete's Performances. <i>Frontiers in Physiology</i> , 2019, 10, 256.	2.8	9
20	Bayesian approach to quantify morphological impact on performance in international elite freestyle swimming. <i>BMJ Open Sport and Exercise Medicine</i> , 2019, 5, e000543.	2.9	6
21	Robust Exponential Decreasing Index (REDI): adaptive and robust method for computing cumulated workload. <i>BMJ Open Sport and Exercise Medicine</i> , 2019, 5, e000573.	2.9	7
22	The age-performance relationship in the general population and strategies to delay age related decline in performance. <i>Archives of Public Health</i> , 2019, 77, 51.	2.4	22
23	Age-Related Upper Limits in Physical Performances. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 591-599.	3.6	10
24	A Medal in the Olympics Runs in the Family: A Cohort Study of Performance Heritability in the Games History. <i>Frontiers in Physiology</i> , 2018, 9, 1313.	2.8	12
25	The heart of the matter: years-saved from cardiovascular and cancer deaths in an elite athlete cohort with over a century of follow-up. <i>European Journal of Epidemiology</i> , 2018, 33, 531-543.	5.7	32
26	Understanding how outcomes are measured in workplace physical activity interventions: a scoping review. <i>BMC Public Health</i> , 2018, 18, 1064.	2.9	14
27	Phase I Randomized Study of a Tetravalent Dengue Purified Inactivated Vaccine in Healthy Adults from Puerto Rico. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018, 98, 1435-1443.	1.4	31
28	Age-Related Changes in Locomotor Performance Reveal a Similar Pattern for <i>Caenorhabditis elegans</i> , <i>Mus domesticus</i> , <i>Canis familiaris</i> , <i>Equus caballus</i> , and <i>Homo sapiens</i> . <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, glw136.	3.6	26
29	Collective effectiveness in the XV de France: selections and time matter. <i>European Journal of Sport Science</i> , 2017, 17, 656-664.	2.7	4
30	A Mouse Model of Cardiomyopathy Induced by Mutations in the Hemochromatosis HFE Gene. <i>Canadian Journal of Cardiology</i> , 2017, 33, 904-910.	1.7	4
31	Are We Reaching the Limits of <i>Homo sapiens</i> ?. <i>Frontiers in Physiology</i> , 2017, 8, 812.	2.8	52
32	Phase 1 Randomized Study of a Tetravalent Dengue Purified Inactivated Vaccine in Healthy Adults in the United States. <i>American Journal of Tropical Medicine and Hygiene</i> , 2017, 96, 1325-1337.	1.4	50
33	Return to Sport Among French Alpine Skiers After an Anterior Cruciate Ligament Rupture. <i>American Journal of Sports Medicine</i> , 2016, 44, 324-330.	4.2	34
34	Learning From Leaders: Life-span Trends in Olympians and Supercentenarians. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 944-949.	3.6	27
35	Medical Reasons Behind Player Departures From Male and Female Professional Tennis Competitions. <i>American Journal of Sports Medicine</i> , 2015, 43, 34-40.	4.2	29
36	An Adjuvanted, Tetravalent Dengue Virus Purified Inactivated Vaccine Candidate Induces Long-Lasting and Protective Antibody Responses Against Dengue Challenge in Rhesus Macaques. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 92, 698-708.	1.4	51

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37	Has Athletic Performance Reached its Peak?. Sports Medicine, 2015, 45, 1263-1271.	6.5	63
38	A Phase II, Randomized, Safety and Immunogenicity Trial of a Re-Derived, Live-Attenuated Dengue Virus Vaccine in Healthy Children and Adults Living in Puerto Rico. American Journal of Tropical Medicine and Hygiene, 2015, 93, 441-453.	1.4	32
39	Mortality in Female and Male French Olympians. American Journal of Sports Medicine, 2015, 43, 1505-1512.	4.2	38
40	Eighty percent of French sport winners in Olympic, World and Europeans competitions have mutations in the hemochromatosis HFE gene. Biochimie, 2015, 119, 1-5.	2.6	28
41	BMI, a Performance Parameter for Speed Improvement. PLoS ONE, 2014, 9, e90183.	2.5	61
42	Marathon progress: demography, morphology and environment. Journal of Sports Sciences, 2014, 32, 524-532.	2.0	37
43	Safety and Immunogenicity of a Rederived, Live-Attenuated Dengue Virus Vaccine in Healthy Adults Living in Thailand: A Randomized Trial. American Journal of Tropical Medicine and Hygiene, 2014, 91, 119-128.	1.4	38
44	Secular trend: morphology and performance. Journal of Sports Sciences, 2014, 32, 1146-1154.	2.0	34
45	Row for Your Life: A Century of Mortality Follow-Up of French Olympic Rowers. PLoS ONE, 2014, 9, e113362.	2.5	27
46	No effect of weight cycling on the post-career BMI of weight class elite athletes. BMC Public Health, 2013, 13, 510.	2.9	24
47	A Phase II, Randomized, Safety and Immunogenicity Study of a Re-Derived, Live-Attenuated Dengue Virus Vaccine in Healthy Adults. American Journal of Tropical Medicine and Hygiene, 2013, 88, 73-88.	1.4	86
48	Mortality of French participants in the Tour de France (1947-2012). European Heart Journal, 2013, 34, 3145-3150.	2.2	137
49	Environment and Scheduling Effects on Sprint and Middle Distance Running Performances. PLoS ONE, 2013, 8, e79548.	2.5	12
50	Relationships Between Recent Intraplaque Hemorrhage and Stroke Risk Factors in Patients With Carotid Stenosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 492-499.	2.4	52
51	How they won Rugby World Cup through height, mass and collective experience. British Journal of Sports Medicine, 2012, 46, 580-584.	6.7	69
52	Exponential growth combined with exponential decline explains lifetime performance evolution in individual and human species. Age, 2012, 34, 1001-1009.	3.0	108
53	Impact of Environmental Parameters on Marathon Running Performance. PLoS ONE, 2012, 7, e37407.	2.5	143
54	Une limite aux Évolutions de l'homme?, 2012, , 21-28.		0

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55	Improving health through policies that promote active travel: A review of evidence to support integrated health impact assessment. <i>Environment International</i> , 2011, 37, 766-777.	10.0	452
56	Sports-Related Sudden Death in the General Population. <i>Circulation</i> , 2011, 124, 672-681.	1.6	420
57	Success and Decline. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 2148-2154.	0.4	28
58	Psychological Balance in High Level Athletes: Gender-Based Differences and Sport-Specific Patterns. <i>PLoS ONE</i> , 2011, 6, e19007.	2.5	325
59	Technology & swimming: 3 steps beyond physiology. <i>Materials Today</i> , 2010, 13, 46-51.	14.2	40
60	Athlete Atypicity on the Edge of Human Achievement: Performances Stagnate after the Last Peak, in 1988. <i>PLoS ONE</i> , 2010, 5, e8800.	2.5	46
61	Tour de France, Giro, Vuelta, and classic European races show a unique progression of road cycling speed in the last 20 years. <i>Journal of Sports Sciences</i> , 2010, 28, 789-796.	2.0	35
62	Women and Men in Sport Performance: The Gender Gap has not Evolved since 1983. <i>Journal of Sports Science and Medicine</i> , 2010, 9, 214-23.	1.6	89
63	Success in Developing Regions: World Records Evolution through a Geopolitical Prism. <i>PLoS ONE</i> , 2009, 4, e7573.	2.5	16
64	High-Resolution MR Imaging of the Cervical Arterial Wall: What the Radiologist Needs to Know. <i>Radiographics</i> , 2009, 29, 1413-1431.	3.3	73
65	Tyrosine polyethylene glycol (PEG)-micelle magnetic resonance contrast agent for the detection of lipid rich areas in atherosclerotic plaque. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 1195-1201.	3.0	33
66	Vaccination of calves using the BRSV nucleocapsid protein in a DNA prime-boost strategy stimulates cell-mediated immunity and protects the lungs against BRSV replication and pathology. <i>Vaccine</i> , 2008, 26, 4840-4848.	3.8	19
67	From Oxford to Hawaii Ecophysiological Barriers Limit Human Progression in Ten Sport Monuments. <i>PLoS ONE</i> , 2008, 3, e3653.	2.5	28
68	The Citius End: World Records Progression Announces the Completion of a Brief Ultra-Physiological Quest. <i>PLoS ONE</i> , 2008, 3, e1552.	2.5	79
69	DNA Immunization with Plasmids Encoding Fusion and Nucleocapsid Proteins of Bovine Respiratory Syncytial Virus Induces a Strong Cell-Mediated Immunity and Protects Calves against Challenge. <i>Journal of Virology</i> , 2007, 81, 6879-6889.	3.4	20
70	Reproducibility of High-Resolution MRI for the Identification and the Quantification of Carotid Atherosclerotic Plaque Components. <i>Stroke</i> , 2007, 38, 1812-1819.	2.0	114
71	Gated blood pool tomoscintigraphy with 4-dimensional optical flow motion analysis quantifies left ventricular mechanical activation and synchronization. <i>Journal of Nuclear Cardiology</i> , 2006, 13, 811-820.	2.1	3
72	Identification of interleukin-2 for imaging atherosclerotic inflammation. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2006, 33, 111-116.	6.4	8

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73	Determinants of Mortality in Patients Undergoing Cardiac Resynchronization Therapy: Baseline Clinical, Echocardiographic, and Angioscintigraphic Evaluation Prior to Resynchronization. PACE - Pacing and Clinical Electrophysiology, 2005, 28, 1260-1270.	1.2	25
74	Chronic Thrombus Detection With In Vivo Magnetic Resonance Imaging and a Fibrin-Targeted Contrast Agent. Circulation, 2005, 112, 1594-1600.	1.6	150
75	Fibrin-targeted contrast agent for improvement of in vivo acute thrombus detection with magnetic resonance imaging. Atherosclerosis, 2005, 182, 79-85.	0.8	72
76	Lipid-Rich Atherosclerotic Plaques Detected by Gadofluorine-Enhanced In Vivo Magnetic Resonance Imaging. Circulation, 2004, 109, 2890-2896.	1.6	198
77	Basal Asynchrony and Resynchronization with Biventricular Pacing Predict Long-Term Improvement of LV Function in Heart Failure Patients. PACE - Pacing and Clinical Electrophysiology, 2003, 26, 1815-1823.	1.2	46
78	Ventricular Coupling of Electrical and Mechanical Dyssynchronization in Heart Failure Patients. PACE - Pacing and Clinical Electrophysiology, 2002, 25, 178-182.	1.2	14
79	NMR sequences for biochemical analysis and imaging of vascular diseases. , 2001, 17, 187-194.		4
80	Biventricular Pacing in Severe Heart Failure Patients Reverses Electromechanical Dyssynchronization from Apex to Base. PACE - Pacing and Clinical Electrophysiology, 2000, 23, 1731-1734.	1.2	34
81	Characterization of atherosclerotic plaque components by high resolution quantitative MR and US imaging. Journal of Magnetic Resonance Imaging, 1998, 8, 622-629.	3.4	30
82	Atherosclerotic plaque assessment by NMR. Magnetic Resonance Materials in Physics, Biology, and Medicine, 1998, 6, 135-136.	2.0	6
83	Behavior of Atherosclerotic Plaque Components After in Vitro Angioplasty and Atherectomy Studied by High Field MR Imaging. Magnetic Resonance Imaging, 1998, 16, 175-183.	1.8	26
84	Interrelationship of oxidative metabolism and local perfusion demonstrated by NMR in human skeletal muscle. Journal of Applied Physiology, 1996, 81, 2221-2228.	2.5	29
85	Perfusion changes in human skeletal muscle during reactive hyperemia measured by echo-planar imaging. Magnetic Resonance in Medicine, 1996, 35, 62-69.	3.0	78
86	T ₂ -Weighted Contrast for NMR Characterization of Human Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 1995, 15, 1533-1542.	2.4	198
87	Regional specificity of peak hyperemic responses in patients with congestive heart failure: Correlation with peak aerobic capacity. Journal of the American College of Cardiology, 1993, 22, 1399-1402.	2.8	61