Romain Meeusen

List of Publications by Citations

192 papers	10,247 citations	54 h-index	97 g-index
200 ext. papers	12,137 ext. citations	4.2 avg, IF	6.33 L-index

#	Paper	IF	Citations
192	Prevention, diagnosis, and treatment of the overtraining syndrome: joint consensus statement of the European College of Sport Science and the American College of Sports Medicine. *Medicine and Science in Sports and Exercise*, **2013**, 45, 186-205	1.2	578
191	Neuroplasticity - exercise-induced response of peripheral brain-derived neurotrophic factor: a systematic review of experimental studies in human subjects. *Sports Medicine*, **2010**, 40, 765-801	10.6	503
190	How much is too much? (Part 1) International Olympic Committee consensus statement on load in sport and risk of injury. *British Journal of Sports Medicine*, **2016**, 50, 1030-41	10.3	434
189	Guidelines to classify subject groups in sport-science research. *International Journal of Sports Physiology and Performance*, **2013**, 8, 111-22	3.5	353
188	Exercise and brain neurotransmission. *Sports Medicine*, **1995**, 20, 160-88	10.6	287
187	The Effects of Mental Fatigue on Physical Performance: A Systematic Review. *Sports Medicine*, **2017** , 47, 1569-1588	10.6	281
186	Exposure to particulate matter in traffic: A comparison of cyclists and car passengers. *Atmospheric Environment*, **2010**, 44, 2263-2270	5.3	279
185	Central fatigue: the serotonin hypothesis and beyond. *Sports Medicine*, **2006**, 36, 881-909	10.6	252
184	IOC consensus statement: dietary supplements and the high-performance athlete. *British Journal of Sports Medicine*, **2018**, 52, 439-455	10.3	237
183	Prevention, diagnosis and treatment of the Overtraining Syndrome. *European Journal of Sport Science*, **2006**, 6, 1-14	3.9	232
182	Recovery and Performance in Sport: Consensus Statement. *International Journal of Sports Physiology and Performance*, **2018**, 13, 240-245	3.5	215
181	How much is too much? (Part 2) International Olympic Committee consensus statement on load in sport and risk of illness. *British Journal of Sports Medicine*, **2016**, 50, 1043-52	10.3	215
180	Neural Contributions to Muscle Fatigue: From the Brain to the Muscle and Back Again. *Medicine and Science in Sports and Exercise*, **2016**, 48, 2294-2306	1.2	211
179	Time course of performance changes and fatigue markers during intensified training in trained cyclists. *Journal of Applied Physiology*, **2002**, 93, 947-56	3.7	181
178	Prevention, diagnosis and treatment of the overtraining syndrome: Joint consensus statement of the European College of Sport Science (ECSS) and the American College of Sports Medicine (ACSM). *European Journal of Sport Science*, **2013**, 13, 1-24	3.9	163
177	IOC Consensus Statement: Dietary Supplements and the High-Performance Athlete. *International Journal of Sport Nutrition and Exercise Metabolism*, **2018**, 28, 104-125	4.4	159
176	Acute dopamine/noradrenaline reuptake inhibition enhances human exercise performance in warm, but not temperate conditions. *Journal of Physiology*, **2005**, 565, 873-83	3.9	154

175	Psychosocial and environmental factors associated with cycling for transport among a working population. *Health Education Research*, **2008**, 23, 697-708	1.8	145
174	Effects of tryptophan and/or acute running on extracellular 5-HT and 5-HIAA levels in the hippocampus of food-deprived rats. *Brain Research*, **1996**, 740, 245-52	3.7	118
173	Subclinical responses in healthy cyclists briefly exposed to traffic-related air pollution: an intervention study. *Environmental Health*, **2010**, 9, 64	6	110
172	Role of Ratings of Perceived Exertion during Self-Paced Exercise: What are We Actually Measuring?. *Sports Medicine*, **2015**, 45, 1235-1243	10.6	108
171	Neurophysiological determinants of theoretical concepts and mechanisms involved in pacing. *Sports Medicine*, **2013**, 43, 301-11	10.6	105
170	Exercise, nutrition and the brain. *Sports Medicine*, **2014**, 44 Suppl 1, S47-56	10.6	104
169	Hormonal responses in athletes: the use of a two bout exercise protocol to detect subtle differences in (over)training status. *European Journal of Applied Physiology*, **2004**, 91, 140-6	3.4	104
168	Strength training does not influence serum brain-derived neurotrophic factor. *European Journal of Applied Physiology*, **2010**, 110, 285-93	3.4	101
167	A prospective cohort study on minor accidents involving commuter cyclists in Belgium. *Accident Analysis and Prevention*, **2012**, 45, 683-93	6.1	100
166	Brain microdialysis in exercise research. *Sports Medicine*, **2001**, 31, 965-83	10.6	93
165	Brain-derived neurotrophic factor as a driving force behind neuroplasticity in neuropathic and central sensitization pain: a new therapeutic target?. *Expert Opinion on Therapeutic Targets*, **2015**, 19, 565-76	6.4	91
164	Type 1 diabetes-associated cognitive decline: a meta-analysis and update of the current literature. *Journal of Diabetes*, **2014**, 6, 499-513	3.8	90
163	Effects of different types of acute and chronic (training) exercise on glycaemic control in type 1 diabetes mellitus: a meta-analysis. *Sports Medicine*, **2012**, 42, 1059-80	10.6	90
162	Alterations in central fatigue by pharmacological manipulations of neurotransmitters in normal and high ambient temperature. *Sports Medicine*, **2010**, 40, 229-46	10.6	88
161	Active workstations to fight sedentary behaviour. *Sports Medicine*, **2014**, 44, 1261-73	10.6	87
160	Mapping bicycle use and the risk of accidents for commuters who cycle to work in Belgium. *Transport Policy*, **2009**, 16, 77-87	5.7	87
159	Exposure measurement in bicycle safety analysis: A review of the literature. *Accident Analysis and Prevention*, **2015**, 84, 9-19	6.1	82
158	Plasma adipokine and inflammatory marker concentrations are altered in obese, as opposed to non-obese, type 2 diabetes patients. *European Journal of Applied Physiology*, **2010**, 109, 397-404	3.4	80

157	Mental Fatigue Impairs Endurance Performance: A Physiological Explanation. *Sports Medicine*, **2018**, 48, 2041-2051	10.6	78
156	The impact of training modalities on the clinical benefits of exercise intervention in patients with cardiovascular disease risk or type 2 diabetes mellitus. *Sports Medicine*, **2010**, 40, 921-40	10.6	77
155	Influence of brain catecholamines on the development of fatigue in exercising rats in the heat. *Journal of Physiology*, **2008**, 586, 141-9	3.9	77
154	No exercise-induced increase in serum BDNF after cycling near a major traffic road. *Neuroscience Letters*, **2011**, 500, 129-32	3.3	74
153	Acute norepinephrine reuptake inhibition decreases performance in normal and high ambient temperature. *Journal of Applied Physiology*, **2008**, 105, 206-12	3.7	72
152	Effects of four recovery methods on repeated maximal rock climbing performance. *Medicine and Science in Sports and Exercise*, **2009**, 41, 1303-10	1.2	70
151	Prospective epidemiological study of basketball injuries during one competitive season: ankle sprains and overuse knee injuries. *Journal of Sports Science and Medicine*, **2007**, 6, 204-11	2.7	70
150	The influence of non-specific low back pain on pressure pain thresholds and disability. *European Journal of Pain*, **2005**, 9, 375-81	3.7	64
149	Exercise and the brain: insight in new therapeutic modalities. *Annals of Transplantation*, **2005**, 10, 49-51	1.4	64
148	Psychomotor speed: possibly a new marker for overtraining syndrome. *Sports Medicine*, **2006**, 36, 817-28	10.6	63
147	Exercise as a countermeasure to psycho-physiological deconditioning during long-term confinement. *Behavioural Brain Research*, **2010**, 211, 208-14	3.4	61
146	Diagnosing overtraining in athletes using the two-bout exercise protocol. *British Journal of Sports Medicine*, **2010**, 44, 642-8	10.3	61
145	Does robot-assisted gait rehabilitation improve balance in stroke patients? A systematic review. *Topics in Stroke Rehabilitation*, **2014**, 21, 87-100	2.6	60
144	Guidelines to Classify Female Subject Groups in Sport-Science Research. *International Journal of Sports Physiology and Performance*, **2016**, 11, 204-13	3.5	60
143	The effects of exercise training on fat-mass loss in obese patients during energy intake restriction. *Sports Medicine*, **2007**, 37, 31-46	10.6	59
142	Acute dopamine/norepinephrine reuptake inhibition increases brain and core temperature in rats. *Journal of Applied Physiology*, **2005**, 99, 1397-401	3.7	59
141	Inhibition of the preoptic area and anterior hypothalamus by tetrodotoxin alters thermoregulatory functions in exercising rats. *Journal of Applied Physiology*, **2005**, 98, 1458-62	3.7	56
140	Gymnastic injuries. *Sports Medicine*, **1992**, 13, 337-56	10.6	55

139	Time-Discrete Vibrotactile Feedback Contributes to Improved Gait Symmetry in Patients With Lower Limb Amputations: Case Series. *Physical Therapy*, **2017**, 97, 198-207	3.3	54
138	Clinical assessment of the scapula: a review of the literature. *British Journal of Sports Medicine*, **2014**, 48, 883-90	10.3	54
137	High intensity interval training modulates hippocampal oxidative stress, BDNF and inflammatory mediators in rats. *Physiology and Behavior*, **2018**, 184, 6-11	3.5	53
136	Effects of noradrenaline and dopamine on supraspinal fatigue in well-trained men. *Medicine and Science in Sports and Exercise*, **2012**, 44, 2299-308	1.2	53
135	Commuting by bike in Belgium, the costs of minor accidents. *Accident Analysis and Prevention*, **2010**, 42, 2149-57	6.1	53
134	Prediction of Functional Overreaching From Subjective Fatigue and Readiness to Train After Only 3 Days of Cycling. *International Journal of Sports Physiology and Performance*, **2017**, 12, S287-S294	3.5	51
133	Influence of climbing style on physiological responses during indoor rock climbing on routes with the same difficulty. *European Journal of Applied Physiology*, **2006**, 98, 489-96	3.4	51
132	Brain neurotransmitters in fatigue and overtraining. *Applied Physiology, Nutrition and Metabolism*, **2007**, 32, 857-64	3	50
131	The brain and fatigue: new opportunities for nutritional interventions?. *Journal of Sports Sciences*, **2006**, 24, 773-82	3.6	50
130	Long-term effect of rehabilitation in coronary artery disease patients: randomized clinical trial of the impact of exercise volume. *Clinical Rehabilitation*, **2010**, 24, 319-27	3.3	49
129	Effects of Intermittent Fasting, Caloric Restriction, and Ramadan Intermittent Fasting on Cognitive Performance at Rest and During Exercise in Adults. *Sports Medicine*, **2016**, 46, 35-47	10.6	48
128	Clinical assessment of scapular positioning in musicians: an intertester reliability study. *Journal of Athletic Training*, **2009**, 44, 519-26	4	48
127	No effect of a noradrenergic reuptake inhibitor on performance in trained cyclists. *Medicine and Science in Sports and Exercise*, **2002**, 34, 1189-93	1.2	45
126	Validity and reliability in a Flemish population of the WHO-MONICA Optional Study of Physical Activity Questionnaire. *Medicine and Science in Sports and Exercise*, **1998**, 30, 1071-5	1.2	45
125	A caffeine-maltodextrin mouth rinse counters mental fatigue. *Psychopharmacology*, **2018**, 235, 947-958	4.7	45
124	No effect of caffeine on exercise performance in high ambient temperature. *European Journal of Applied Physiology*, **2011**, 111, 3089-95	3.4	44
123	Efficacy of a sports specific balance training programme on the incidence of ankle sprains in basketball. *Journal of Sports Science and Medicine*, **2007**, 6, 212-9	2.7	44
122	The influence of exercise on prefrontal cortex activity and cognitive performance during a simulated space flight to Mars (MARS500). *Behavioural Brain Research*, **2013**, 236, 1-7	3.4	43

121	Caffeine, exercise and the brain. *Nestle Nutrition Institute Workshop Series*, **2013**, 76, 1-12	1.9	42
120	No influence of noradrenaline manipulation on acute exercise-induced increase of brain-derived neurotrophic factor. *Medicine and Science in Sports and Exercise*, **2008**, 40, 1990-6	1.2	42
119	Subclinical effects of aerobic training in urban environment. *Medicine and Science in Sports and Exercise*, **2013**, 45, 439-47	1.2	40
118	Influence of citalopram and environmental temperature on exercise-induced changes in BDNF. *Neuroscience Letters*, **2011**, 494, 150-4	3.3	40
117	Criteria-Based Return to Sport Decision-Making Following Lateral Ankle Sprain Injury: a Systematic Review and Narrative Synthesis. *Sports Medicine*, **2019**, 49, 601-619	10.6	38
116	Strength training reduces circulating interleukin-6 but not brain-derived neurotrophic factor in community-dwelling elderly individuals. *Age*, **2014**, 36, 9704		37
115	Performance and thermoregulatory effects of chronic bupropion administration in the heat. *European Journal of Applied Physiology*, **2009**, 105, 493-8	3.4	37
114	Changed gene expression in brains of mice exposed to traffic in a highway tunnel. *Inhalation Toxicology*, **2012**, 24, 676-86	2.7	36
113	Time trial performance in normal and high ambient temperature: is there a role for 5-HT?. *European Journal of Applied Physiology*, **2009**, 107, 119-26	3.4	35
112	Effects of Mental Fatigue on Endurance Performance in the Heat. *Medicine and Science in Sports and Exercise*, **2017**, 49, 1677-1687	1.2	34
111	Amino acids and the brain: do they play a role in "central fatigue"?. *International Journal of Sport Nutrition and Exercise Metabolism*, **2007**, 17 Suppl, S37-46	4.4	33
110	Psychophysiological response to cognitive workload during symmetrical, asymmetrical and dual-task walking. *Human Movement Science*, **2015**, 40, 248-63	2.4	32
109	Effect of acute endurance and resistance exercise on endocrine hormones directly related to lipolysis and skeletal muscle protein synthesis in adult individuals with obesity. *Sports Medicine*, **2012**, 42, 415-31	10.6	32
108	Chronic fatigue syndrome: exercise performance related to immune dysfunction. *Medicine and Science in Sports and Exercise*, **2005**, 37, 1647-54	1.2	32
107	Acute cocoa flavanol improves cerebral oxygenation without enhancing executive function at rest or after exercise. *Applied Physiology, Nutrition and Metabolism*, **2016**, 41, 1225-1232	3	32
106	Newspaper coverage of women@ sports during the 2000 Sydney Olympic Games: Belgium, Denmark, France, and Italy. *Research Quarterly for Exercise and Sport*, **2005**, 76, 212-23	1.9	31
105	Physical activity, air pollution and the brain. *Sports Medicine*, **2014**, 44, 1505-18	10.6	30
104	Human-Robot Interaction: Does Robotic Guidance Force Affect Gait-Related Brain Dynamics during Robot-Assisted Treadmill Walking?. *PLoS ONE*, **2015**, 10, e0140626	3.7	30

103	Fatigue: Is it all neurochemistry?. *European Journal of Sport Science*, **2018**, 18, 37-46	3.9	29
102	Influence of electrically assisted cycling on physiological parameters in untrained subjects. *European Journal of Sport Science*, **2013**, 13, 290-4	3.9	29
101	Can Creatine Combat the Mental Fatigue-associated Decrease in Visuomotor Skills?. *Medicine and Science in Sports and Exercise*, **2020**, 52, 120-130	1.2	29
100	Rehabilitation in cardiac patients:what do we know about training modalities?. *Sports Medicine*, **2005**, 35, 1063-84	10.6	28
99	Cocoa Flavanol Supplementation and Exercise: A Systematic Review. *Sports Medicine*, **2018**, 48, 867-892	10.6	26
98	Neurotrophins and cognitive functions in T1D compared with healthy controls: effects of a high-intensity exercise. *Applied Physiology, Nutrition and Metabolism*, **2015**, 40, 20-7	3	26
97	Aerobic and anaerobic profiles, heart rate and match analysis in older soccer players. *Ergonomics*, **2005**, 48, 1365-77	2.9	25
96	Nutritional Supplements and the Brain. *International Journal of Sport Nutrition and Exercise Metabolism*, **2018**, 28, 200-211	4.4	24
95	Does Acute Fatigue Negatively Affect Intrinsic Risk Factors of the Lower Extremity Injury Risk Profile? A Systematic and Critical Review. *Sports Medicine*, **2020**, 50, 767-784	10.6	24
94	Characteristics of bicycle crashes in an adolescent population in Flanders (Belgium). *Accident Analysis and Prevention*, **2016**, 97, 103-110	6.1	23
93	Cycling on a Bike Desk Positively Influences Cognitive Performance. *PLoS ONE*, **2016**, 11, e0165510	3.7	22
92	Sleep during an Antarctic summer expedition: new light on "polar insomnia". *Journal of Applied Physiology*, **2017**, 122, 788-794	3.7	21
91	Continuous monitoring of hypothalamic neurotransmitters and thermoregulatory responses in exercising rats. *Journal of Neuroscience Methods*, **2011**, 202, 119-23	3	21
90	Computerized spatial navigation training during 14 days of bed rest in healthy older adult men: Effect on gait performance. *Psychology and Aging*, **2015**, 30, 334-340	3.6	20
89	Acute cocoa Flavanols intake has minimal effects on exercise-induced oxidative stress and nitric oxide production in healthy cyclists: a randomized controlled trial. *Journal of the International Society of Sports Nutrition*, **2017**, 14, 28	4.5	20
88	Low agreement of ventilatory threshold between training modes in cardiac patients. *European Journal of Applied Physiology*, **2007**, 101, 547-54	3.4	20
87	Mental fatigue impairs visuomotor response time in badminton players and controls. *Psychology of Sport and Exercise*, **2019**, 45, 101579	4.2	19
86	Brain mapping after prolonged cycling and during recovery in the heat. *Journal of Applied Physiology*, **2013**, 115, 1324-31	3.7	19

85	Does a period of detraining cause a decrease in serum brain-derived neurotrophic factor?. *Neuroscience Letters*, **2010**, 486, 146-9	3.3	19
84	Importance of exercise training session duration in the rehabilitation of coronary artery disease patients. *European Journal of Cardiovascular Prevention and Rehabilitation*, **2008**, 15, 453-9		19
83	Noradrenaline Reuptake Inhibition Impairs Cortical Output and Limits Endurance Time. *Medicine and Science in Sports and Exercise*, **2016**, 48, 1014-23	1.2	18
82	Temporal and spatial organization of gait-related electrocortical potentials. *Neuroscience Letters*, **2015**, 599, 75-80	3.3	18
81	Serotonin release in the preoptic area and anterior hypothalamus is not involved in thermoregulation during low-intensity exercise in a warm environment. *Neuroscience Letters*, **2010**, 482, 7-11	3.3	18
80	Effect of five different recovery methods on repeated cycle performance. *Medicine and Science in Sports and Exercise*, **2011**, 43, 890-7	1.2	18
79	Aging effects on prefrontal cortex oxygenation in a posture-cognition dual-task: an fNIRS pilot study. *European Review of Aging and Physical Activity*, **2019**, 16, 2	6.5	17
78	Monitoring Physical and Cognitive Overload During a Training Camp in Professional Female Cyclists. *International Journal of Sports Physiology and Performance*, **2016**, 11, 933-939	3.5	17
77	Mental Fatigue and Sport-Specific Psychomotor Performance: A Systematic Review. *Sports Medicine* , **2021**, 51, 1527-1548	10.6	17
76	Exercise, fatigue, neurotransmission and the influence of the neuroendocrine axis. *Advances in Experimental Medicine and Biology*, **2003**, 527, 521-5	3.6	17
75	Bike Desks in the Office: Physical Health, Cognitive Function, Work Engagement, and Work Performance. *Journal of Occupational and Environmental Medicine*, **2016**, 58, 1257-1263	2	16
74	Coordination of soccer players during preseason training. *Journal of Strength and Conditioning Research*, **2011**, 25, 3059-69	3.2	16
73	Exercise in isolation--a countermeasure for electrocortical, mental and cognitive impairments. *PLoS ONE*, **2015**, 10, e0126356	3.7	16
72	Preparing for Mars: human sleep and performance during a 13 month stay in Antarctica. *Sleep*, **2019** , 42,	1.1	16
71	The influence of a mild thermal challenge and severe hypoxia on exercise performance and serum BDNF. *European Journal of Applied Physiology*, **2015**, 115, 2135-48	3.4	15
70	The Temporal Relationship Between Exercise, Recovery Processes, and Changes in Performance. *International Journal of Sports Physiology and Performance*, **2019**, 14, 1015-1021	3.5	14
69	Effect of Roptrotherapy on Pressure-Pain Thresholds in Patients with Subacute Nonspecific Low Back Pain. *Journal of Musculoskeletal Pain*, **2007**, 15, 41-53		13
68	No Effect of a Selective Serotonergic/Noradrenergic Reuptake Inhibitor on Endurance Performance. *European Journal of Sport Science*, **2002**, 2, 1-10	3.9	13

67	Social Processes: What Determines Industrial WorkersQntention to Use Exoskeletons?. *Human Factors*, **2020**, 62, 337-350	3.8	12
66	One-week cocoa flavanol intake increases prefrontal cortex oxygenation at rest and during moderate-intensity exercise in normoxia and hypoxia. *Journal of Applied Physiology*, **2018**, 125, 8-18	3.7	11
65	The efficacy of the Ankle Mimicking Prosthetic Foot prototype 4.0 during walking: Physiological determinants. *Prosthetics and Orthotics International*, **2018**, 42, 504-510	1.5	10
64	Can the Lamberts and Lambert Submaximal Cycle Test Reflect Overreaching in Professional Cyclists?. *International Journal of Sports Physiology and Performance*, **2018**, 13, 23-28	3.5	10
63	A pilot randomized placebo-controlled trial of roptrotherapy in patients with subacute non-specific low back pain. *Journal of Back and Musculoskeletal Rehabilitation*, **2006**, 19, 111-117	1.4	10
62	Does Mental Fatigue Negatively Affect Outcomes of Functional Performance Tests?. *Medicine and Science in Sports and Exercise*, **2020**, 52, 2002-2010	1.2	10
61	The Overtraining Syndrome in Soldiers: Insights from the Sports Domain. *Military Medicine*, **2019**, 184, e192-e200	1.3	10
60	Occupational exoskeletons: A roadmap toward large-scale adoption. Methodology and challenges of bringing exoskeletons to workplaces. *Wearable Technologies*, **2021**, 2,	4	10
59	Subjective thermal strain impairs endurance performance in a temperate environment. *Physiology and Behavior*, **2019**, 202, 36-44	3.5	9
58	Trunk muscle activity during walking in persons with multiple sclerosis: the influence of body weight support. *NeuroRehabilitation*, **2014**, 34, 323-35	2	9
57	Trunk kinematics during walking in persons with multiple sclerosis: the influence of body weight support. *NeuroRehabilitation*, **2014**, 34, 731-40	2	9
56	Return to sport decisions after an acute lateral ankle sprain injury: introducing the PAASS framework-an international multidisciplinary consensus. *British Journal of Sports Medicine*, **2021**, 55, 1270-1276	10.3	9
55	Prevalence and incidence of work-related musculoskeletal disorders in secondary industries of 21st century Europe: a systematic review and meta-analysis. *BMC Musculoskeletal Disorders*, **2021**, 22, 751	2.8	9
54	Bringing context to balance: development of a reactive balance test within the injury prevention and return to sport domain. *Archives of Physiotherapy*, **2019**, 9, 6	2.5	8
53	Aging and Strength Training Influence Knee Extensor Intermuscular Coherence During Low- and High-Force Isometric Contractions. *Frontiers in Physiology*, **2018**, 9, 1933	4.6	8
52	The importance of an exercise testing protocol for detecting changes of peak oxygen uptake in cardiac rehabilitation. *Archives of Physical Medicine and Rehabilitation*, **2007**, 88, 1716-9	2.8	8
51	Overtraining and the Central Nervous System **1999**, 187-202		8
50	Multi-dimensional flow cytometry analysis reveals increasing changes in the systemic neutrophil compartment during seven consecutive days of endurance exercise. *PLoS ONE*, **2018**, 13, e0206175	3.7	8

49	The effect of acute cocoa flavanol intake on the BOLD response and cognitive function in type 1 diabetes: a randomized, placebo-controlled, double-blinded cross-over pilot study. *Psychopharmacology*, **2019**, 236, 3421-3428	4.7	7
48	Guidelines and Recommendations to Investigate the Efficacy of a Lower-Limb Prosthetic Device: A Systematic Review. *IEEE Transactions on Medical Robotics and Bionics*, **2019**, 1, 279-296	3.1	7
47	Effects of Different Types of Acute and Chronic (Training) Exercise on Glycaemic Control in Type 1 Diabetes Mellitus **2012**, 42, 1059		7
46	Improving the Diagnosis of Nonfunctional Overreaching and Overtraining Syndrome. *Medicine and Science in Sports and Exercise*, **2019**, 51, 2524-2530	1.2	7
45	Repeated Sprints in Fasted State Impair Reaction Time Performance. *Journal of the American College of Nutrition*, **2017**, 36, 210-217	3.5	6
44	Endurance exercise-induced and mental fatigue and the brain. *Experimental Physiology*, **2021**, 106, 2294-2298	2.4	6
43	Effect of recovery interventions on cycling performance and pacing strategy in the heat. *International Journal of Sports Physiology and Performance*, **2014**, 9, 240-8	3.5	6
42	Caffeine, dopamine and thermoregulation. *European Journal of Applied Physiology*, **2012**, 112, 1979-80	3.4	6
41	Mental fatigue impairs clinician-friendly balance test performance and brain activity. *Translational Sports Medicine*, **2020**, 3, 616-625	1.3	5
40	Validation and reliability of the Dutch language version of the Modifiable Activity Questionnaire in healthy subjects. *Sport Sciences for Health*, **2013**, 9, 139-144	1.3	5
39	Hyperbaric Therapy in Chronic Fatigue Syndrome. *The Journal of Chronic Fatigue Syndrome: Multidisciplinary Innovations in Researchory and Clinical Practice*, **2003**, 11, 37-49		5
38	Short-term effects of differential learning and contextual interference in a goalkeeper-like task: Visuomotor response time and motor control. *European Journal of Sport Science*, **2020**, 20, 1061-1071	3.9	5
37	Repeated-sprints exercise in daylight fasting: carbohydrate mouth rinsing does not affect sprint and reaction time performance. *Biology of Sport*, **2018**, 35, 237-244	4.3	5
36	NeuroExercise: The Effect of a 12-Month Exercise Intervention on Cognition in Mild Cognitive Impairment-A Multicenter Randomized Controlled Trial. *Frontiers in Aging Neuroscience*, **2020**, 12, 621947	5.3	5
35	Cognitive performance and brain dynamics during walking with a novel bionic foot: A pilot study. *PLoS ONE*, **2019**, 14, e0214711	3.7	4
34	Acute Effect of Noradrenergic Modulation on Motor Output Adjustment in Men. *Medicine and Science in Sports and Exercise*, **2018**, 50, 1579-1587	1.2	4
33	eAMI: a qualitative quantification of periodic breathing based on amplitude of oscillations. *Sleep*, **2015**, 38, 381-9	1.1	4
32	Overtraining Syndrome (OTS) and Relative Energy Deficiency in Sport (RED-S): Shared Pathways, Symptoms and Complexities. *Sports Medicine*, **2021**, 51, 2251-2280	10.6	4

31	The Overtraining Syndrome: Diagnosis and Management138-159		3
30	The Overtraining Syndrome Facts & fiction. *European Journal of Sport Science*, **2006**, 6, 263-263	3.9	3
29	Brain microdialysis and its application for the study of neurotransmitter release during exercise. *International Journal of Sport and Exercise Psychology*, **2005**, 3, 263-284	2.5	3
28	Exercise during Short-Term and Long-Term Continuous Exposure to Hypoxia Exacerbates Sleep-Related Periodic Breathing. *Sleep*, **2016**, 39, 773-83	1.1	3
27	Submaximal heart rate seems inadequate to prescribe and monitor intensified training. *European Journal of Sport Science*, **2019**, 19, 1082-1091	3.9	3
26	Indoor aerobic exercise reduces exposure to pollution, improves cognitive function, and enhances BDNF levels in the elderly. *Air Quality, Atmosphere and Health*,1	5.6	3
25	Benchmarking occupational exoskeletons: An evidence mapping systematic review. *Applied Ergonomics*, **2022**, 98, 103582	4.2	3
24	Changes in Choice Reaction Time During and After 8 Days Exhaustive Cycling Are Not Related to Changes in Physical Performance. *International Journal of Sports Physiology and Performance*, **2018**, 13, 428-433	3.5	2
23	Evaluation of critical swimming velocity in young amateur swimmers. *Sport Sciences for Health*, **2012**, 7, 87-91	1.3	2
22	Hormonal Responses to a High-Intensity Training Period in Army Recruits. *Medicine and Science in Sports and Exercise*, **2004**, 36, S295-S296	1.2	2
21	Association between Functional Performance and Return to Performance in High-Impact Sports after Lower Extremity Injury: A Systematic Review. *Journal of Sports Science and Medicine*, **2020**, 19, 564-576	2.7	2
20	Prefrontal Cortex Oxygenation During Endurance Performance: A Systematic Review of Functional Near-Infrared Spectroscopy Studies. *Frontiers in Physiology*, **2021**, 12, 761232	4.6	2
19	Design and Evaluation of a Passive Cable-driven Occupational Shoulder Exoskeleton.. *IEEE Transactions on Medical Robotics and Bionics*, **2021**, 1-1	3.1	2
18	The Monoaminergic System in Animal Models of Exercise **2012**, 59-76		2
17	How to Tackle Mental Fatigue: A Systematic Review of Potential Countermeasures and Their Underlying Mechanisms.. *Sports Medicine*, **2022**, 1	10.6	2
16	Test-retest, intra- and inter-rater reliability of the reactive balance test in healthy recreational athletes. *Physical Therapy in Sport*, **2020**, 46, 47-53	3	1
15	Combination of Aerobic Training and Cocoa Flavanols as Effective Therapies to Reduce Metabolic and Inflammatory Disruptions in Insulin-Resistant Rats: The Exercise, Cocoa, and Diabetes Study. *International Journal of Sport Nutrition and Exercise Metabolism*, **2021**, 1-13	4.4	1
14	The interaction of acute physical fatigue with three traditional functional performance tests and the reactive balance test. *Physical Therapy in Sport*, **2021**, 49, 188-195	3	1

13	The Thermoregulatory and Thermal Responses of Individuals With a Spinal Cord Injury During Exercise, Acclimation and by Using Cooling Strategies-A Systematic Review. *Frontiers in Physiology*, **2021**, 12, 636997	4.6	0
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11	Evaluation of an articulated passive ankle-foot prosthesis.. *BioMedical Engineering OnLine*, **2022**, 21, 28	4.1	0
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