Toby MÃ¼ndel

List of Publications by Year
in descending order

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126 papers	2,675 citations	186209 28 h-index	214721 47 g-index
126 all docs	126 docs citations	126 times ranked	2495 citing authors

#	Article	IF	Citations
1	The independent roles of temperature and thermal perception in the control of human thermoregulatory behavior. Physiology and Behavior, 2011, 103, 217-224.	1.0	220
2	Mechanisms of nasal high flow on ventilation during wakefulness and sleep. Journal of Applied Physiology, 2013, 114, 1058-1065.	1.2	139
3	Skin temperature as a thermal controller of exercise intensity. European Journal of Applied Physiology, 2011, 111, 1631-1639.	1.2	138
4	Intermittent-Sprint Performance and Muscle Glycogen after 30 h of Sleep Deprivation. Medicine and Science in Sports and Exercise, 2011, 43, 1301-1311.	0.2	138
5	Human thermoregulatory behavior during rest and exercise â€" A prospective review. Physiology and Behavior, 2010, 99, 269-275.	1.0	119
6	Effect of New Zealand blueberry consumption on recovery from eccentric exercise-induced muscle damage. Journal of the International Society of Sports Nutrition, 2012, 9, 19.	1.7	112
7	The effects of swilling an l(â˜)-menthol solution during exercise in the heat. European Journal of Applied Physiology, 2010, 109, 59-65.	1.2	91
8	Drink temperature influences fluid intake and endurance capacity in men during exercise in a hot, dry environment. Experimental Physiology, 2006, 91, 925-933.	0.9	89
9	Carbohydrate supplementation improves moderate and high-intensity exercise in the heat. Pflugers Archiv European Journal of Physiology, 2003, 446, 211-219.	1.3	72
10	Influence of menstrual phase and arid vs. humid heat stress on autonomic and behavioural thermoregulation during exercise in trained but unacclimated women. Journal of Physiology, 2017, 595, 2823-2837.	1.3	70
11	The effects of face cooling during hyperthermic exercise in man: evidence for an integrated thermal, neuroendocrine and behavioural response. Experimental Physiology, 2007, 92, 187-195.	0.9	63
12	On exercise thermoregulation in females: interaction of endogenous and exogenous ovarian hormones. Journal of Physiology, 2019, 597, 71-88.	1.3	57
13	Acute alcohol consumption aggravates the decline in muscle performance following strenuous eccentric exercise. Journal of Science and Medicine in Sport, 2010, 13, 189-193.	0.6	53
14	Human temperature regulation when given the opportunity to behave. European Journal of Applied Physiology, 2013, 113, 1291-1301.	1.2	53
15	The effects of passive heating and head-cooling on perception of exercise in the heat. European Journal of Applied Physiology, 2008, 104, 281-288.	1.2	51
16	The effects of a systematic increase in relative humidity on thermoregulatory and circulatory responses during prolonged running exercise in the heat. Temperature, 2016, 3, 455-464.	1.6	49
17	Nicotine: Sporting Friend or Foe? A Review of Athlete Use, Performance Consequences and Other Considerations. Sports Medicine, 2017, 47, 2497-2506.	3.1	42
18	Pre-game hydration status, sweat loss, and fluid intake in elite Brazilian young male soccer players during competition. Journal of Sports Sciences, 2012, 30, 37-42.	1.0	41

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19	Post-exercise alcohol ingestion exacerbates eccentric-exercise induced losses in performance. European Journal of Applied Physiology, 2010, 108, 1009-1014.	1.2	38
20	The effects of face cooling on the prolactin response and subjective comfort during moderate passive heating in humans. Experimental Physiology, 2006, 91, 1007-1014.	0.9	36
21	Menthol as an Ergogenic Aid for the Tokyo 2021 Olympic Games: An Expert-Led Consensus Statement Using the Modified Delphi Method. Sports Medicine, 2020, 50, 1709-1727.	3.1	36
22	Fluid balance of elite Brazilian youth soccer players during consecutive days of training. Journal of Sports Sciences, 2011, 29, 725-732.	1.0	34
23	A comparison of rectal, oesophageal and gastroâ€intestinal tract temperatures during moderateâ€intensity cycling in temperate and hot conditions. Clinical Physiology and Functional Imaging, 2016, 36, 11-16.	0.5	34
24	Evidence for thermoregulatory behavior during self-paced exercise in the heat. Journal of Thermal Biology, 2011, 36, 390-396.	1.1	32
25	Exercise modality modulates body temperature regulation during exercise in uncompensable heat stress. European Journal of Applied Physiology, 2011, 111, 757-766.	1.2	32
26	Does Intermittent Pneumatic Leg Compression Enhance Muscle Recovery after Strenuous Eccentric Exercise?. International Journal of Sports Medicine, 2013, 34, 969-974.	0.8	32
27	Cerebral hemodynamics during graded Valsalva maneuvers. Frontiers in Physiology, 2014, 5, 349.	1.3	32
28	Effect of transdermal nicotine administration on exercise endurance in men. Experimental Physiology, 2006, 91, 705-713.	0.9	31
29	The effects of acute whole body vibration as a recovery modality following high-intensity interval training in well-trained, middle-aged runners. European Journal of Applied Physiology, 2009, 105, 421-428.	1.2	29
30	Mild dehydration modifies the cerebrovascular response to the cold pressor test. Experimental Physiology, 2016, 101, 135-142.	0.9	29
31	Exercise and heat stress: performance, fatigue and exhaustion--a hot topic. British Journal of Sports Medicine, 2011, 45, 3-5.	3.1	28
32	The effect of hypercapnia on static cerebral autoregulation. Physiological Reports, 2014, 2, e12059.	0.7	22
33	Postexercise orthostatic intolerance: influence of exercise intensity. Experimental Physiology, 2015, 100, 915-925.	0.9	22
34	A preliminary study on how hypohydration affects pain perception. Psychophysiology, 2016, 53, 605-610.	1.2	20
35	A low dose of alcohol does not impact skeletal muscle performance after exercise-induced muscle damage. European Journal of Applied Physiology, 2011, 111, 725-729.	1.2	19
36	Effects of hypoxia and hypercapnia on human HRV and respiratory sinus arrhythmia. Acta Physiologica Hungarica, 2014, 101, 263-272.	0.9	18

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37	Hemodynamic responses upon the initiation of thermoregulatory behavior in young healthy adults. Temperature, 2016, 3, 271-285.	1.6	18
38	A Randomised, Placebo-Controlled, Crossover Study Investigating the Effects of Nicotine Gum on Strength, Power and Anaerobic Performance in Nicotine-NaÃ¯ve, Active Males. Sports Medicine - Open, 2017, 3, 5.	1.3	18
39	Is peak oxygen uptake a determinant of moderate-duration self-paced exercise performance in the heat?. Applied Physiology, Nutrition and Metabolism, 2011, 36, 863-872.	0.9	17
40	The effects of acute alcohol consumption on recovery from a simulated rugby match. Journal of Sports Sciences, 2012, 30, 295-304.	1.0	17
41	The effects of vibration therapy on muscle force loss following eccentrically induced muscle damage. European Journal of Applied Physiology, 2012, 112, 1189-1194.	1.2	17
42	Head temperature modulates thermal behavior in the cold in humans. Temperature, 2016, 3, 298-306.	1.6	17
43	Ammonium Chloride Ingestion Attenuates Exercise-Induced mRNA Levels in Human Muscle. PLoS ONE, 2015, 10, e0141317.	1.1	17
44	The effects of acute alcohol consumption and eccentric muscle damage on neuromuscular function. Applied Physiology, Nutrition and Metabolism, 2012, 37, 63-71.	0.9	16
45	The cerebrovascular response to graded Valsalva maneuvers while standing. Physiological Reports, 2014, 2, e00233.	0.7	16
46	Hemodynamic Response to Upright Resistance Exercise. Medicine and Science in Sports and Exercise, 2014, 46, 479-487.	0.2	16
47	Preexercise urine specific gravity and fluid intake during one-hour running in a thermoneutral environment - a randomized cross-over study. Journal of Sports Science and Medicine, 2010, 9, 464-71.	0.7	16
48	Increasing Humidity Affects Thermoregulation During Low-Intensity Exercise in Women. Aviation, Space, and Environmental Medicine, 2014, 85, 905-911.	0.6	15
49	Effects of mild hypoxia in aviation on mood and complex cognition. Applied Ergonomics, 2016, 53, 357-363.	1.7	15
50	Peak cardiac power output in healthy, trained men. Clinical Physiology and Functional Imaging, 2010, 30, 480-484.	0.5	14
51	Could mild hypoxia impair pilot decision making in emergencies?. Work, 2012, 41, 198-203.	0.6	14
52	Effect of Mild Hypoxia on Working Memory, Complex Logical Reasoning, and Risk Judgment. The International Journal of Aviation Psychology, 2014, 24, 126-140.	0.7	14
53	Nasal high flow reduces minute ventilation during sleep through a decrease of carbon dioxide rebreathing. Journal of Applied Physiology, 2019, 126, 863-869.	1.2	14
54	The effect of seasonal acclimatization on whole body heat loss response during exercise in a hot humid environment with different air velocity. Journal of Applied Physiology, 2021, 131, 520-531.	1.2	13

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55	Cardiac Vagal Control and Respiratory Sinus Arrhythmia during Hypercapnia in Humans. Journal of Physiological Sciences, 2007, 57, 337-342.	0.9	12
56	Middle cerebral artery blood flow velocity in response to lower body positive pressure. Clinical Physiology and Functional Imaging, 2013, 33, 483-488.	0.5	12
57	Differences in dry-bulb temperature do not influence moderate-duration exercise performance in warm environments when vapor pressure is equivalent. European Journal of Applied Physiology, 2020, 120, 841-852.	1.2	12
58	Menstrual phase and ambient temperature do not influence iron regulation in the acute exercise period. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 320, R780-R790.	0.9	12
59	To drink or not to drink? Explaining "contradictory findings" in fluid replacement and exercise performance: evidence from a more valid model for real-life competition. British Journal of Sports Medicine, 2011, 45, 2-2.	3.1	11
60	The Effects of Carbohydrate Loading 48 Hours Before a Simulated Squash Match. International Journal of Sport Nutrition and Exercise Metabolism, 2014, 24, 157-165.	1.0	11
61	Head, Face and Neck Cooling as Per-cooling (Cooling During Exercise) Modalities to Improve Exercise Performance in the Heat: A Narrative Review and Practical Applications. Sports Medicine - Open, 2022, 8, 16.	1.3	11
62	Effect of Alcohol Consumption on Recovery From Eccentric Exercise Induced Muscle Damage in Females. International Journal of Sport Nutrition and Exercise Metabolism, 2017, 27, 115-121.	1.0	10
63	Sodium bicarbonate ingestion improves repeated high-intensity cycling performance in the heat. Temperature, 2018, 5, 343-347.	1.6	10
64	The Efficacy of Ingesting Water on Thermoregulatory Responses and Running Performance in a Warm-Humid Condition. Frontiers in Physiology, 2019, 10, 507.	1.3	10
65	The ergogenic potency of carbohydrate mouth rinse on endurance running performance of dehydrated athletes. European Journal of Applied Physiology, 2019, 119, 1711-1723.	1.2	9
66	Accuracy of Algorithm to Non-Invasively Predict Core Body Temperature Using the Kenzen Wearable Device. International Journal of Environmental Research and Public Health, 2021, 18, 13126.	1.2	9
67	Exercise Heat Stress and Metabolism. Medicine and Sport Science, 2008, 53, 121-129.	1.4	8
68	Commentaries on Point:Counterpoint: Investigators should/should not control for menstrual cycle phase when performing studies of vascular control. Journal of Applied Physiology, 2020, 129, 1122-1135.	1.2	8
69	Effects of Acute Interval Exercise on Arterial Stiffness and Cardiovascular Autonomic Regulatory Responses: A Narrative Review of Potential Impacts of Aging. Frontiers in Cardiovascular Medicine, 2022, 9, .	1.1	8
70	Six-week inspiratory resistance training ameliorates endurance performance but does not affect obesity-related metabolic biomarkers in obese adults: A randomized controlled trial. Respiratory Physiology and Neurobiology, 2020, 273, 103285.	0.7	7
71	Exercise, Heat Stress and the Interleukin-6 Response: Support for Temperature-Mediated Neuroendocrine Regulatory Mechanisms. Medicina Sportiva, 2010, 14, 96-102.	0.3	7
72	Cerebral autoregulation across the menstrual cycle in eumenorrheic women. Physiological Reports, 2022, 10, e15287.	0.7	7

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73	Autonomic cardiovascular response to acute hypoxia and passive head-up tilting in humans. European Journal of Applied Physiology, 2013, 113, 1731-1736.	1.2	6
74	A reliable preloaded cycling time trial for use in conditions of significant thermal stress. Scandinavian Journal of Medicine and Science in Sports, 2015, 25, 296-301.	1.3	6
75	The effect of pseudoephedrine on selfâ€paced endurance cycling performance. European Journal of Sport Science, 2010, 10, 53-58.	1.4	5
76	Nicotine Supplementation Does Not Influence Performance of a 1h Cycling Time-Trial in Trained Males. Frontiers in Physiology, 2019, 10, 292.	1.3	5
77	Pain Across the Menstrual Cycle: Considerations of Hydration. Frontiers in Physiology, 2020, 11, 585667.	1.3	5
78	Hypohydration but not menstrual phase influences pain perception in healthy women. Journal of Applied Physiology, 2022, 132, 611-621.	1.2	5
79	Human cardiac autonomic responses to head-up tilting during 72-h starvation. European Journal of Applied Physiology, 2012, 112, 2331-2339.	1.2	4
80	Physiologic and performance effects of sago supplementation before and during cycling in a warm-humid environment. Temperature, 2016, 3, 318-327.	1.6	4
81	Humid heat stress affects trained female athletes more than does their menstrual phase. Temperature, 2018, 5, 202-204.	1.6	4
82	Effects of periodic carbohydrate ingestion on endurance and cognitive performances during a 40-km cycling time-trial under normobaric hypoxia in well-trained triathletes. Journal of Sports Sciences, 2019, 37, 1805-1815.	1.0	4
83	Measurement error of self-paced exercise performance in athletic women is not affected by ovulatory status or ambient environment. Journal of Applied Physiology, 2021, 131, 1496-1504.	1.2	4
84	Sex differences in acute translational repressor 4E-BP1 activity and sprint performance in response to repeated-sprint exercise in team sport athletes. Journal of Science and Medicine in Sport, 2015, 18, 730-736.	0.6	3
85	Sago supplementation for exercise performed in a thermally stressful environment: Rationale, efficacy and opportunity. Temperature, 2016, 3, 384-393.	1.6	3
86	Nicotine and exercise performance: another tool in the arsenal or curse for anti-doping?. European Journal of Applied Physiology, 2018, 118, 679-680.	1.2	3
87	Autonomic and perceptual thermoregulatory responses to voluntarily engaging in a common thermoregulatory behaviour. Physiology and Behavior, 2020, 215, 112768.	1.0	3
88	Exercise Interventions to Improve Pelvic Floor Muscle Functioning in Older Women With Urinary Incontinence: A Systematic Review. Journal of Women's Health Physical Therapy, 2021, 45, 115-125.	0.5	3
89	A Sports Nutrition Perspective on the Impacts of Hypoxic High-Intensity Interval Training (HIIT) on Appetite Regulatory Mechanisms: A Narrative Review of the Current Evidence. International Journal of Environmental Research and Public Health, 2022, 19, 1736.	1.2	3
90	Indirect measures of human vagal withdrawal during head-up tilt with and without a respiratory acidosis. Journal of Physiological Sciences, 2009, 59, 31-36.	0.9	2

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91	Sago supplementation for recovery from cycling in a warm-humid environment and its influence on subsequent cycling physiology and performance. Temperature, 2016, 3, 444-454.	1.6	2
92	Tokyo-2020ne, Temperature and time for reflection. Temperature, 2020, 7, 109-110.	1.6	2
93	Comment on: â€œThe Effects of Menstrual Cycle Phase on Exercise Performance in Eumenorrheic Women: A Systematic Review and Meta-Analysisâ€• and â€œThe Effects of Oral Contraceptives on Exercise Performance in Women: A Systematic Review and Meta-analysisâ€•. Sports Medicine, 2021, 51, 1107-1109.	3.1	2
94	Mini-Trampoline Jumping as an Exercise Intervention in Postmenopausal Women to Improve Women Specific Health Risk Factors. International Journal of Preventive Medicine, 2021, 12, 10.	0.2	2
95	TRPA1 Channel Activation With Cinnamaldehyde Induces Cutaneous Vasodilation Through NOS, but Not COX and KCa Channel, Mechanisms in Humans. Journal of Cardiovascular Pharmacology, 2022, 79, 375-382.	0.8	2
96	Reply from Toby MÃ¼ndel. Experimental Physiology, 2007, 92, 469-469.	0.9	1
97	The Acute Effects Of Nasal High Flow On Respiratory Functions In Healthy Subjects: A Randomized Controlled Crossover Study. , 2012, , .		1
98	Hypohydration per se affects mood states and executive cognitive processing: results from a face-valid model for studying some consequences of 'voluntary dehydration'. Extreme Physiology and Medicine, 2015, 4, .	2.5	1
99	An anti-doping perspective on nicotine detection in the peri-exercise period in a cohort of trained male cyclists. Current Research in Physiology, 2020, 2, 30-33.	0.8	1
100	Thermoregulatory sweating and evaporative heat loss during exercise: is the whole greater than the sum of its parts?. Journal of Physiology, 2020, 598, 2535-2536.	1.3	1
101	Lower body positive pressure affects systemic but not cerebral haemodynamics during incremental hyperthermia. Clinical Physiology and Functional Imaging, 2021, 41, 226-233.	0.5	1
102	Amphetamine-Decreased Progesterone and Estradiol Release in Rat Granulosa Cells: The Regulatory Role of cAMP- and Ca2+-Mediated Signaling Pathways. Biomedicines, 2021, 9, 493.	1.4	1
103	Accuracy of a wearable device to nonâ€invasively predict continuous core body temperature. FASEB Journal, 2021, 35, .	0.2	1
104	Mini-Trampoline Jumping as an Exercise Intervention for Postmenopausal Women Who Experienced a Stroke. Journal of Women's Health Physical Therapy, 2021, Publish Ahead of Print, .	0.5	1
105	Metabolic Acidosis Reduces Exercise-induced Up-regulation Of PGC-1alpha mRNA. Medicine and Science in Sports and Exercise, 2008, 40, S33.	0.2	1
106	The Sustained Effect of Nasal Insufflations on Cardio-Respiratory, Metabolic and Performance Measures in Athletes Under Respiratory Stress. Medicina Sportiva, 2010, 14, 50-55.	0.3	1
107	Heat Acclimatization. , 2012, , 391-393.		1
108	Calciumâ€activated Chloride Channel TMEM16A/ANO1 Does Not Mediate the Regulation of Sweating and Cutaneous Vasodilation in Humans In Vivo. FASEB Journal, 2022, 36, .	0.2	1

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109	Do E2 and P4 contribute to the explained variance in core temperature response for trained women during exertional heat stress when metabolic rates are very high?. European Journal of Applied Physiology, 2022, 122, 2201-2212.	1.2	1
110	The Role Of Skin Temperature In The Control Of Exercise Behavior. Medicine and Science in Sports and Exercise, 2010, 42, 801.	0.2	0
111	"Bite-size Exercise" - Energy Expenditure During Accumulated Exercise Compared To One Bout Of Equivalent Total Duration.. Medicine and Science in Sports and Exercise, 2010, 42, 350-351.	0.2	0
112	Addicted To Winning: Can Nicotine Administration Improve 1-h Cycling Time-trial Performance?. Medicine and Science in Sports and Exercise, 2010, 42, 446.	0.2	0
113	Impact Of Acute Post-eccentric Exercise Alcohol Use On Neuromuscular Function. Medicine and Science in Sports and Exercise, 2011, 43, 36.	0.2	0
114	Fixed-intensity Vs Self-paced Exercise In The Heat. Medicine and Science in Sports and Exercise, 2011, 43, 124.	0.2	0
115	Environmental physiology research presented at ICEE2013. Extreme Physiology and Medicine, 2013, 2, 22.	2.5	0
116	Effects Of Increasing Ambient Humidity During Low-intensity Exercise In The Heat On Females. Medicine and Science in Sports and Exercise, 2014, 46, 185-186.	0.2	0
117	Summer heat stress and strain during outdoor running in Aotearoa New Zealand. Extreme Physiology and Medicine, 2015, 4, .	2.5	0
118	How hot is it Down Under?. Temperature, 2016, 3, 355-357.	1.6	0
119	Nasal High Flow Reduces Minute Ventilationduring Sleep Through a Decrease of Carbon Dioxide Re-Breathing. , 2019, , .		0
120	Breathing Pattern Affects the Deadspace Clearance During Nasal High Flow. , 2020, , .		0
121	TRPA1 channel activation with cinnamaldehyde induces cutaneous vasodilation through NOS, but not COX and KCa channel, mechanisms in human. FASEB Journal, 2021, 35, .	0.2	0
122	Heat Stress, Menstrual Cycle And Peri-Exercise Iron Regulation. Medicine and Science in Sports and Exercise, 2021, 53, 346-346.	0.2	0
123	Perturbations of Adjuvant Chemotherapy on Cardiovascular Responses and Exercise Tolerance in Patients with Early-Stage Breast Cancer. Biology, 2021, 10, 910.	1.3	0
124	Control of Skin Blood Flow at the Boundaries of the Thermal Comfort Zone. Medicine and Science in Sports and Exercise, 2016, 48, 809.	0.2	0
125	Fluid Balance is Unlikely Modified by the Menstrual Cycle when Ad Libitum Drinking is Permitted During Physical Work in the Heat. FASEB Journal, 2022, 36, .	0.2	0
126	TMEM16A blockers T16Ainhâ€A01 and benzbromarone do not modulate the regulation of sweating and cutaneous vasodilatation in humans in vivo. Experimental Physiology, 0, , .	0.9	0