

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	Hypohydration but not menstrual phase influences pain perception in healthy women. <i>Journal of Applied Physiology</i> , 2022, 132, 611-621.	1.2	5
2	Head, Face and Neck Cooling as Pre-cooling (Cooling During Exercise) Modalities to Improve Exercise Performance in the Heat: A Narrative Review and Practical Applications. <i>Sports Medicine - Open</i> , 2022, 8, 16.	1.3	11
3	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. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1736.	1.2	3
4	TRPA1 Channel Activation With Cinnamaldehyde Induces Cutaneous Vasodilation Through NOS, but Not COX and KCa Channel, Mechanisms in Humans. <i>Journal of Cardiovascular Pharmacology</i> , 2022, 79, 375-382.	0.8	2
5	Effects of Acute Interval Exercise on Arterial Stiffness and Cardiovascular Autonomic Regulatory Responses: A Narrative Review of Potential Impacts of Aging. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, .	1.1	8
6	Calcium-activated Chloride Channel TMEM16A/ANO1 Does Not Mediate the Regulation of Sweating and Cutaneous Vasodilation in Humans In Vivo. <i>FASEB Journal</i> , 2022, 36, .	0.2	1
7	Cerebral autoregulation across the menstrual cycle in eumenorrheic women. <i>Physiological Reports</i> , 2022, 10, e15287.	0.7	7
8	Fluid Balance is Unlikely Modified by the Menstrual Cycle when Ad Libitum Drinking is Permitted During Physical Work in the Heat. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
9	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?. <i>European Journal of Applied Physiology</i> , 2022, 122, 2201-2212.	1.2	1
10	Lower body positive pressure affects systemic but not cerebral haemodynamics during incremental hyperthermia. <i>Clinical Physiology and Functional Imaging</i> , 2021, 41, 226-233.	0.5	1
11	Comment on: "The Effects of Menstrual Cycle Phase on Exercise Performance in Eumenorrheic Women: A Systematic Review and Meta-Analysis" and "The Effects of Oral Contraceptives on Exercise Performance in Women: A Systematic Review and Meta-analysis". <i>Sports Medicine</i> , 2021, 51, 1107-1109.	3.1	2
12	Mini-Trampoline Jumping as an Exercise Intervention in Postmenopausal Women to Improve Women Specific Health Risk Factors. <i>International Journal of Preventive Medicine</i> , 2021, 12, 10.	0.2	2
13	Menstrual phase and ambient temperature do not influence iron regulation in the acute exercise period. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R780-R790.	0.9	12
14	Amphetamine-Decreased Progesterone and Estradiol Release in Rat Granulosa Cells: The Regulatory Role of cAMP- and Ca ²⁺ -Mediated Signaling Pathways. <i>Biomedicines</i> , 2021, 9, 493.	1.4	1
15	Accuracy of a wearable device to non-invasively predict continuous core body temperature. <i>FASEB Journal</i> , 2021, 35, .	0.2	1
16	TRPA1 channel activation with cinnamaldehyde induces cutaneous vasodilation through NOS, but not COX and KCa channel, mechanisms in human. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
17	Exercise Interventions to Improve Pelvic Floor Muscle Functioning in Older Women With Urinary Incontinence: A Systematic Review. <i>Journal of Women's Health Physical Therapy</i> , 2021, 45, 115-125.	0.5	3
18	Mini-Trampoline Jumping as an Exercise Intervention for Postmenopausal Women Who Experienced a Stroke. <i>Journal of Women's Health Physical Therapy</i> , 2021, Publish Ahead of Print, .	0.5	1

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19	The effect of seasonal acclimatization on whole body heat loss response during exercise in a hot humid environment with different air velocity. <i>Journal of Applied Physiology</i> , 2021, 131, 520-531.	1.2	13
20	Heat Stress, Menstrual Cycle And Peri-Exercise Iron Regulation. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 346-346.	0.2	0
21	Perturbations of Adjuvant Chemotherapy on Cardiovascular Responses and Exercise Tolerance in Patients with Early-Stage Breast Cancer. <i>Biology</i> , 2021, 10, 910.	1.3	0
22	Measurement error of self-paced exercise performance in athletic women is not affected by ovulatory status or ambient environment. <i>Journal of Applied Physiology</i> , 2021, 131, 1496-1504.	1.2	4
23	Accuracy of Algorithm to Non-Invasively Predict Core Body Temperature Using the Kenzen Wearable Device. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 13126.	1.2	9
24	Six-week inspiratory resistance training ameliorates endurance performance but does not affect obesity-related metabolic biomarkers in obese adults: A randomized controlled trial. <i>Respiratory Physiology and Neurobiology</i> , 2020, 273, 103285.	0.7	7
25	Autonomic and perceptual thermoregulatory responses to voluntarily engaging in a common thermoregulatory behaviour. <i>Physiology and Behavior</i> , 2020, 215, 112768.	1.0	3
26	Tokyo-2020One, <i>Temperature</i> and time for reflection. <i>Temperature</i> , 2020, 7, 109-110.	1.6	2
27	Pain Across the Menstrual Cycle: Considerations of Hydration. <i>Frontiers in Physiology</i> , 2020, 11, 585667.	1.3	5
28	Commentaries on Point:Counterpoint: Investigators should/should not control for menstrual cycle phase when performing studies of vascular control. <i>Journal of Applied Physiology</i> , 2020, 129, 1122-1135.	1.2	8
29	Breathing Pattern Affects the Deadspace Clearance During Nasal High Flow. , 2020, , .		0
30	An anti-doping perspective on nicotine detection in the peri-exercise period in a cohort of trained male cyclists. <i>Current Research in Physiology</i> , 2020, 2, 30-33.	0.8	1
31	Thermoregulatory sweating and evaporative heat loss during exercise: is the whole greater than the sum of its parts?. <i>Journal of Physiology</i> , 2020, 598, 2535-2536.	1.3	1
32	Menthol as an Ergogenic Aid for the Tokyo 2021 Olympic Games: An Expert-Led Consensus Statement Using the Modified Delphi Method. <i>Sports Medicine</i> , 2020, 50, 1709-1727.	3.1	36
33	Differences in dry-bulb temperature do not influence moderate-duration exercise performance in warm environments when vapor pressure is equivalent. <i>European Journal of Applied Physiology</i> , 2020, 120, 841-852.	1.2	12
34	The Efficacy of Ingesting Water on Thermoregulatory Responses and Running Performance in a Warm-Humid Condition. <i>Frontiers in Physiology</i> , 2019, 10, 507.	1.3	10
35	The ergogenic potency of carbohydrate mouth rinse on endurance running performance of dehydrated athletes. <i>European Journal of Applied Physiology</i> , 2019, 119, 1711-1723.	1.2	9
36	Effects of periodic carbohydrate ingestion on endurance and cognitive performances during a 40-km cycling time-trial under normobaric hypoxia in well-trained triathletes. <i>Journal of Sports Sciences</i> , 2019, 37, 1805-1815.	1.0	4

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37	Nicotine Supplementation Does Not Influence Performance of a 1h Cycling Time-Trial in Trained Males. <i>Frontiers in Physiology</i> , 2019, 10, 292.	1.3	5
38	Nasal high flow reduces minute ventilation during sleep through a decrease of carbon dioxide rebreathing. <i>Journal of Applied Physiology</i> , 2019, 126, 863-869.	1.2	14
39	Nasal High Flow Reduces Minute Ventilation during Sleep Through a Decrease of Carbon Dioxide Re-Breathing. , 2019, , .		0
40	On exercise thermoregulation in females: interaction of endogenous and exogenous ovarian hormones. <i>Journal of Physiology</i> , 2019, 597, 71-88.	1.3	57
41	Nicotine and exercise performance: another tool in the arsenal or curse for anti-doping?. <i>European Journal of Applied Physiology</i> , 2018, 118, 679-680.	1.2	3
42	Sodium bicarbonate ingestion improves repeated high-intensity cycling performance in the heat. <i>Temperature</i> , 2018, 5, 343-347.	1.6	10
43	Humid heat stress affects trained female athletes more than does their menstrual phase. <i>Temperature</i> , 2018, 5, 202-204.	1.6	4
44	A Randomised, Placebo-Controlled, Crossover Study Investigating the Effects of Nicotine Gum on Strength, Power and Anaerobic Performance in Nicotine-Naïve, Active Males. <i>Sports Medicine - Open</i> , 2017, 3, 5.	1.3	18
45	Influence of menstrual phase and arid vs humid heat stress on autonomic and behavioural thermoregulation during exercise in trained but unacclimated women. <i>Journal of Physiology</i> , 2017, 595, 2823-2837.	1.3	70
46	Nicotine: Sporting Friend or Foe? A Review of Athlete Use, Performance Consequences and Other Considerations. <i>Sports Medicine</i> , 2017, 47, 2497-2506.	3.1	42
47	Effect of Alcohol Consumption on Recovery From Eccentric Exercise Induced Muscle Damage in Females. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2017, 27, 115-121.	1.0	10
48	A preliminary study on how hypohydration affects pain perception. <i>Psychophysiology</i> , 2016, 53, 605-610.	1.2	20
49	Mild dehydration modifies the cerebrovascular response to the cold pressor test. <i>Experimental Physiology</i> , 2016, 101, 135-142.	0.9	29
50	Hemodynamic responses upon the initiation of thermoregulatory behavior in young healthy adults. <i>Temperature</i> , 2016, 3, 271-285.	1.6	18
51	A comparison of rectal, oesophageal and gastrointestinal tract temperatures during moderate intensity cycling in temperate and hot conditions. <i>Clinical Physiology and Functional Imaging</i> , 2016, 36, 11-16.	0.5	34
52	Sago supplementation for exercise performed in a thermally stressful environment: Rationale, efficacy and opportunity. <i>Temperature</i> , 2016, 3, 384-393.	1.6	3
53	How hot is it Down Under?. <i>Temperature</i> , 2016, 3, 355-357.	1.6	0
54	Sago supplementation for recovery from cycling in a warm-humid environment and its influence on subsequent cycling physiology and performance. <i>Temperature</i> , 2016, 3, 444-454.	1.6	2

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55	The effects of a systematic increase in relative humidity on thermoregulatory and circulatory responses during prolonged running exercise in the heat. <i>Temperature</i> , 2016, 3, 455-464.	1.6	49
56	Physiologic and performance effects of sago supplementation before and during cycling in a warm-humid environment. <i>Temperature</i> , 2016, 3, 318-327.	1.6	4
57	Head temperature modulates thermal behavior in the cold in humans. <i>Temperature</i> , 2016, 3, 298-306.	1.6	17
58	Effects of mild hypoxia in aviation on mood and complex cognition. <i>Applied Ergonomics</i> , 2016, 53, 357-363.	1.7	15
59	Control of Skin Blood Flow at the Boundaries of the Thermal Comfort Zone. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 809.	0.2	0
60	Summer heat stress and strain during outdoor running in Aotearoa New Zealand. <i>Extreme Physiology and Medicine</i> , 2015, 4, .	2.5	0
61	Postexercise orthostatic intolerance: influence of exercise intensity. <i>Experimental Physiology</i> , 2015, 100, 915-925.	0.9	22
62	Hypohydration per se affects mood states and executive cognitive processing: results from a face-valid model for studying some consequences of 'voluntary dehydration'. <i>Extreme Physiology and Medicine</i> , 2015, 4, .	2.5	1
63	Sex differences in acute translational repressor 4E-BP1 activity and sprint performance in response to repeated-sprint exercise in team sport athletes. <i>Journal of Science and Medicine in Sport</i> , 2015, 18, 730-736.	0.6	3
64	A reliable preloaded cycling time trial for use in conditions of significant thermal stress. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015, 25, 296-301.	1.3	6
65	Ammonium Chloride Ingestion Attenuates Exercise-Induced mRNA Levels in Human Muscle. <i>PLoS ONE</i> , 2015, 10, e0141317.	1.1	17
66	The Effects of Carbohydrate Loading 48 Hours Before a Simulated Squash Match. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2014, 24, 157-165.	1.0	11
67	Cerebral hemodynamics during graded Valsalva maneuvers. <i>Frontiers in Physiology</i> , 2014, 5, 349.	1.3	32
68	The effect of hypercapnia on static cerebral autoregulation. <i>Physiological Reports</i> , 2014, 2, e12059.	0.7	22
69	The cerebrovascular response to graded Valsalva maneuvers while standing. <i>Physiological Reports</i> , 2014, 2, e00233.	0.7	16
70	Hemodynamic Response to Upright Resistance Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 479-487.	0.2	16
71	Effect of Mild Hypoxia on Working Memory, Complex Logical Reasoning, and Risk Judgment. <i>The International Journal of Aviation Psychology</i> , 2014, 24, 126-140.	0.7	14
72	Effects of hypoxia and hypercapnia on human HRV and respiratory sinus arrhythmia. <i>Acta Physiologica Hungarica</i> , 2014, 101, 263-272.	0.9	18

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73	Increasing Humidity Affects Thermoregulation During Low-Intensity Exercise in Women. <i>Aviation, Space, and Environmental Medicine</i> , 2014, 85, 905-911.	0.6	15
74	Effects Of Increasing Ambient Humidity During Low-intensity Exercise In The Heat On Females. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 185-186.	0.2	0
75	Environmental physiology research presented at ICEE2013. <i>Extreme Physiology and Medicine</i> , 2013, 2, 22.	2.5	0
76	Autonomic cardiovascular response to acute hypoxia and passive head-up tilting in humans. <i>European Journal of Applied Physiology</i> , 2013, 113, 1731-1736.	1.2	6
77	Human temperature regulation when given the opportunity to behave. <i>European Journal of Applied Physiology</i> , 2013, 113, 1291-1301.	1.2	53
78	Middle cerebral artery blood flow velocity in response to lower body positive pressure. <i>Clinical Physiology and Functional Imaging</i> , 2013, 33, 483-488.	0.5	12
79	Mechanisms of nasal high flow on ventilation during wakefulness and sleep. <i>Journal of Applied Physiology</i> , 2013, 114, 1058-1065.	1.2	139
80	Does Intermittent Pneumatic Leg Compression Enhance Muscle Recovery after Strenuous Eccentric Exercise?. <i>International Journal of Sports Medicine</i> , 2013, 34, 969-974.	0.8	32
81	The Acute Effects Of Nasal High Flow On Respiratory Functions In Healthy Subjects: A Randomized Controlled Crossover Study. , 2012, , .		1
82	The effects of acute alcohol consumption and eccentric muscle damage on neuromuscular function. <i>Applied Physiology, Nutrition and Metabolism</i> , 2012, 37, 63-71.	0.9	16
83	Effect of New Zealand blueberry consumption on recovery from eccentric exercise-induced muscle damage. <i>Journal of the International Society of Sports Nutrition</i> , 2012, 9, 19.	1.7	112
84	Pre-game hydration status, sweat loss, and fluid intake in elite Brazilian young male soccer players during competition. <i>Journal of Sports Sciences</i> , 2012, 30, 37-42.	1.0	41
85	The effects of acute alcohol consumption on recovery from a simulated rugby match. <i>Journal of Sports Sciences</i> , 2012, 30, 295-304.	1.0	17
86	Could mild hypoxia impair pilot decision making in emergencies?. <i>Work</i> , 2012, 41, 198-203.	0.6	14
87	The effects of vibration therapy on muscle force loss following eccentrically induced muscle damage. <i>European Journal of Applied Physiology</i> , 2012, 112, 1189-1194.	1.2	17
88	Human cardiac autonomic responses to head-up tilting during 72-h starvation. <i>European Journal of Applied Physiology</i> , 2012, 112, 2331-2339.	1.2	4
89	Heat Acclimatization. , 2012, , 391-393.		1
90	Is peak oxygen uptake a determinant of moderate-duration self-paced exercise performance in the heat?. <i>Applied Physiology, Nutrition and Metabolism</i> , 2011, 36, 863-872.	0.9	17

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91	Exercise and heat stress: performance, fatigue and exhaustion--a hot topic. <i>British Journal of Sports Medicine</i> , 2011, 45, 3-5.	3.1	28
92	The independent roles of temperature and thermal perception in the control of human thermoregulatory behavior. <i>Physiology and Behavior</i> , 2011, 103, 217-224.	1.0	220
93	Fluid balance of elite Brazilian youth soccer players during consecutive days of training. <i>Journal of Sports Sciences</i> , 2011, 29, 725-732.	1.0	34
94	Evidence for thermoregulatory behavior during self-paced exercise in the heat. <i>Journal of Thermal Biology</i> , 2011, 36, 390-396.	1.1	32
95	Impact Of Acute Post-eccentric Exercise Alcohol Use On Neuromuscular Function. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 36.	0.2	0
96	Fixed-intensity Vs Self-paced Exercise In The Heat. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 124.	0.2	0
97	A low dose of alcohol does not impact skeletal muscle performance after exercise-induced muscle damage. <i>European Journal of Applied Physiology</i> , 2011, 111, 725-729.	1.2	19
98	Exercise modality modulates body temperature regulation during exercise in uncompensable heat stress. <i>European Journal of Applied Physiology</i> , 2011, 111, 757-766.	1.2	32
99	Skin temperature as a thermal controller of exercise intensity. <i>European Journal of Applied Physiology</i> , 2011, 111, 1631-1639.	1.2	138
100	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. <i>British Journal of Sports Medicine</i> , 2011, 45, 2-2.	3.1	11
101	Intermittent-Sprint Performance and Muscle Glycogen after 30 h of Sleep Deprivation. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 1301-1311.	0.2	138
102	The Role Of Skin Temperature In The Control Of Exercise Behavior. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 801.	0.2	0
103	"Bite-size Exercise" - Energy Expenditure During Accumulated Exercise Compared To One Bout Of Equivalent Total Duration.. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 350-351.	0.2	0
104	Addicted To Winning: Can Nicotine Administration Improve 1-h Cycling Time-trial Performance?. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 446.	0.2	0
105	The effects of swilling an l(ã~)-menthol solution during exercise in the heat. <i>European Journal of Applied Physiology</i> , 2010, 109, 59-65.	1.2	91
106	Post-exercise alcohol ingestion exacerbates eccentric-exercise induced losses in performance. <i>European Journal of Applied Physiology</i> , 2010, 108, 1009-1014.	1.2	38
107	Acute alcohol consumption aggravates the decline in muscle performance following strenuous eccentric exercise. <i>Journal of Science and Medicine in Sport</i> , 2010, 13, 189-193.	0.6	53
108	Peak cardiac power output in healthy, trained men. <i>Clinical Physiology and Functional Imaging</i> , 2010, 30, 480-484.	0.5	14

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109	The effect of pseudoephedrine on self-paced endurance cycling performance. <i>European Journal of Sport Science</i> , 2010, 10, 53-58.	1.4	5
110	Human thermoregulatory behavior during rest and exercise – A prospective review. <i>Physiology and Behavior</i> , 2010, 99, 269-275.	1.0	119
111	The Sustained Effect of Nasal Insufflations on Cardio-Respiratory, Metabolic and Performance Measures in Athletes Under Respiratory Stress. <i>Medicina Sportiva</i> , 2010, 14, 50-55.	0.3	1
112	Exercise, Heat Stress and the Interleukin-6 Response: Support for Temperature-Mediated Neuroendocrine Regulatory Mechanisms. <i>Medicina Sportiva</i> , 2010, 14, 96-102.	0.3	7
113	Preexercise urine specific gravity and fluid intake during one-hour running in a thermoneutral environment - a randomized cross-over study. <i>Journal of Sports Science and Medicine</i> , 2010, 9, 464-71.	0.7	16
114	The effects of acute whole body vibration as a recovery modality following high-intensity interval training in well-trained, middle-aged runners. <i>European Journal of Applied Physiology</i> , 2009, 105, 421-428.	1.2	29
115	Indirect measures of human vagal withdrawal during head-up tilt with and without a respiratory acidosis. <i>Journal of Physiological Sciences</i> , 2009, 59, 31-36.	0.9	2
116	The effects of passive heating and head-cooling on perception of exercise in the heat. <i>European Journal of Applied Physiology</i> , 2008, 104, 281-288.	1.2	51
117	Exercise Heat Stress and Metabolism. <i>Medicine and Sport Science</i> , 2008, 53, 121-129.	1.4	8
118	Metabolic Acidosis Reduces Exercise-induced Up-regulation Of PGC-1alpha mRNA. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, S33.	0.2	1
119	Cardiac Vagal Control and Respiratory Sinus Arrhythmia during Hypercapnia in Humans. <i>Journal of Physiological Sciences</i> , 2007, 57, 337-342.	0.9	12
120	The effects of face cooling during hyperthermic exercise in man: evidence for an integrated thermal, neuroendocrine and behavioural response. <i>Experimental Physiology</i> , 2007, 92, 187-195.	0.9	63
121	Reply from Toby MÅ¼ndel. <i>Experimental Physiology</i> , 2007, 92, 469-469.	0.9	1
122	Effect of transdermal nicotine administration on exercise endurance in men. <i>Experimental Physiology</i> , 2006, 91, 705-713.	0.9	31
123	Drink temperature influences fluid intake and endurance capacity in men during exercise in a hot, dry environment. <i>Experimental Physiology</i> , 2006, 91, 925-933.	0.9	89
124	The effects of face cooling on the prolactin response and subjective comfort during moderate passive heating in humans. <i>Experimental Physiology</i> , 2006, 91, 1007-1014.	0.9	36
125	Carbohydrate supplementation improves moderate and high-intensity exercise in the heat. <i>Pflugers Archiv European Journal of Physiology</i> , 2003, 446, 211-219.	1.3	72
126	TMEM16A blockers T16AinhÅ01 and benzbramarone do not modulate the regulation of sweating and cutaneous vasodilatation in humans in vivo. <i>Experimental Physiology</i> , 0, , .	0.9	0