

Igor B Mekjavic

List of Publications by Year in descending order

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272
papers

5,324
citations

109264

35
h-index

143943

57
g-index

275
all docs

275
docs citations

275
times ranked

4059
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of esophageal probe insertion length based on standing and sitting height. <i>Journal of Applied Physiology</i> , 1990, 69, 376-379.	1.2	216
2	Effect of 5 weeks horizontal bed rest on human muscle thickness and architecture of weight bearing and non-weight bearing muscles. <i>European Journal of Applied Physiology</i> , 2008, 104, 401-407.	1.2	171
3	Whole muscle contractile parameters and thickness loss during 35-day bed rest. <i>European Journal of Applied Physiology</i> , 2008, 104, 409-414.	1.2	160
4	Contribution of thermal and nonthermal factors to the regulation of body temperature in humans. <i>Journal of Applied Physiology</i> , 2006, 100, 2065-2072.	1.2	145
5	Positive energy balance is associated with accelerated muscle atrophy and increased erythrocyte glutathione turnover during 5 wk of bed rest. <i>American Journal of Clinical Nutrition</i> , 2008, 88, 950-958.	2.2	129
6	Hip, thigh and calf muscle atrophy and bone loss after 5-week bedrest inactivity. <i>European Journal of Applied Physiology</i> , 2007, 99, 283-289.	1.2	128
7	Validation of the Fiala multi-node thermophysiological model for UTCI application. <i>International Journal of Biometeorology</i> , 2012, 56, 443-460.	1.3	123
8	Noninvasive Estimation of Myosin Heavy Chain Composition in Human Skeletal Muscle. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 1619-1625.	0.2	112
9	Bone loss in the lower leg during 35 days of bed rest is predominantly from the cortical compartment. <i>Bone</i> , 2009, 44, 612-618.	1.4	91
10	Treatment of mild immersion hypothermia by direct body-to-body contact. <i>Journal of Applied Physiology</i> , 1994, 76, 2373-2379.	1.2	85
11	Core temperature "null zone". <i>Journal of Applied Physiology</i> , 1991, 71, 1289-1295.	1.2	80
12	Sweat secretion from the torso during passively-induced and exercise-related hyperthermia. <i>European Journal of Applied Physiology</i> , 2008, 104, 265-270.	1.2	77
13	Local differences in sweat secretion from the head during rest and exercise in the heat. <i>European Journal of Applied Physiology</i> , 2008, 104, 257-264.	1.2	70
14	New Onset of Constipation during Long-Term Physical Inactivity: A Proof-of-Concept Study on the Immobility-Induced Bowel Changes. <i>PLoS ONE</i> , 2013, 8, e72608.	1.1	64
15	Passive temperature lability in the elderly. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1996, 73, 278-286.	1.2	63
16	Effect of body temperature on cold induced vasodilation. <i>European Journal of Applied Physiology</i> , 2008, 104, 491-499.	1.2	58
17	Training effects during repeated therapy sessions of balance training using visual feedback. <i>Archives of Physical Medicine and Rehabilitation</i> , 1992, 73, 738-44.	0.5	55
18	Effect of hypoglycemia on thermoregulatory responses. <i>Journal of Applied Physiology</i> , 1996, 80, 1021-1032.	1.2	53

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19	Estimation of regional cutaneous cold sensitivity by analysis of the gasping response. <i>Journal of Applied Physiology</i> , 1991, 71, 1933-1940.	1.2	50
20	Inhibition of shivering in man by thermal stimulation of the facial area. <i>Acta Physiologica Scandinavica</i> , 1985, 125, 633-637.	2.3	49
21	The time course of ammonia and lactate accumulation in blood during bicycle exercise. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1983, 51, 195-202.	1.2	48
22	Gender differences in physiological reactions to thermal stress. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1995, 71, 95-101.	1.2	45
23	Cutaneous thermal thresholds—the reproducibility of their measurements and the effect of gender. <i>Journal of Thermal Biology</i> , 2003, 28, 341-346.	1.1	45
24	Cold-induced vasodilatation is not homogenous or generalizable across the hand and feet. <i>European Journal of Applied Physiology</i> , 2007, 99, 701-705.	1.2	45
25	Sweat Secretion from Palmar and Dorsal Surfaces of the Hands During Passive and Active Heating. <i>Aviation, Space, and Environmental Medicine</i> , 2008, 79, 1034-1040.	0.6	42
26	The effect of hot days on occupational heat stress in the manufacturing industry: implications for workers' well-being and productivity. <i>International Journal of Biometeorology</i> , 2018, 62, 1251-1264.	1.3	42
27	The trainability and contralateral response of cold-induced vasodilatation in the fingers following repeated cold exposure. <i>European Journal of Applied Physiology</i> , 2008, 104, 193-199.	1.2	41
28	Effect of occluded venous return on core temperature during cold water immersion. <i>Journal of Applied Physiology</i> , 1988, 65, 2709-2713.	1.2	40
29	Permanence of the habituation of the initial responses to cold-water immersion in humans. <i>European Journal of Applied Physiology</i> , 2000, 83, 17-21.	1.2	40
30	Effects of motion sickness on thermoregulatory responses in a thermoneutral air environment. <i>European Journal of Applied Physiology</i> , 2012, 112, 1717-1723.	1.2	39
31	Expression changes in human skeletal muscle miRNAs following 10 days of bed rest in young healthy males. <i>Acta Physiologica</i> , 2014, 210, 655-666.	1.8	38
32	Occupational heat strain in outdoor workers: A comprehensive review and meta-analysis. <i>Temperature</i> , 2022, 9, 67-102.	1.6	38
33	Motion sickness potentiates core cooling during immersion in humans. <i>Journal of Physiology</i> , 2001, 535, 619-623.	1.3	37
34	Separate and combined effects of 21-day bed rest and hypoxic confinement on body composition. <i>European Journal of Applied Physiology</i> , 2014, 114, 2411-2425.	1.2	37
35	Moderate Exercise Blunts Oxidative Stress Induced by Normobaric Hypoxic Confinement. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 33-41.	0.2	37
36	Separate and combined effects of a 10-d exposure to hypoxia and inactivity on oxidative function in vivo and mitochondrial respiration ex vivo in humans. <i>Journal of Applied Physiology</i> , 2016, 121, 154-163.	1.2	37

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37	Hyperbaric oxygen therapy does not affect recovery from delayed onset muscle soreness. <i>Medicine and Science in Sports and Exercise</i> , 2000, 32, 558-563.	0.2	36
38	PlanHab [*] : hypoxia does not worsen the impairment of skeletal muscle oxidative function induced by bed rest alone. <i>Journal of Physiology</i> , 2018, 596, 3341-3355.	1.3	36
39	The sweating foot: local differences in sweat secretion during exercise-induced hyperthermia. <i>Aviation, Space, and Environmental Medicine</i> , 2006, 77, 1020-7.	0.6	36
40	Habituation of the metabolic and ventilatory responses to cold-water immersion in humans. <i>Journal of Thermal Biology</i> , 2013, 38, 24-31.	1.1	35
41	The Effect of 30% Nitrous Oxide on Thermoregulatory Responses in Humans during Hypothermia. <i>Anesthesiology</i> , 1992, 76, 550-559.	1.3	34
42	Enhancement of the finger cold-induced vasodilation response with exercise training. <i>European Journal of Applied Physiology</i> , 2010, 109, 133-140.	1.2	34
43	Effects of prolonged hypoxia and bed rest on appetite and appetite-related hormones. <i>Appetite</i> , 2016, 107, 28-37.	1.8	34
44	Temperature dependence of habituation of the initial responses to cold-water immersion. <i>European Journal of Applied Physiology</i> , 1998, 78, 253-257.	1.2	33
45	Effects of inactivity on human muscle glutathione synthesis by a double-tracer and single-biopsy approach. <i>Journal of Physiology</i> , 2010, 588, 5089-5104.	1.3	33
46	On the combined effects of normobaric hypoxia and bed rest upon bone and mineral metabolism: Results from the PlanHab study. <i>Bone</i> , 2016, 91, 130-138.	1.4	33
47	Hypoxia and Inactivity Related Physiological Changes (Constipation, Inflammation) Are Not Reflected at the Level of Gut Metabolites and Butyrate Producing Microbial Community: The PlanHab Study. <i>Frontiers in Physiology</i> , 2017, 8, 250.	1.3	32
48	Hypoxia Aggravates Inactivity-Related Muscle Wasting. <i>Frontiers in Physiology</i> , 2018, 9, 494.	1.3	32
49	Effect of a Simulated Heat Wave on Physiological Strain and Labour Productivity. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3011.	1.2	32
50	Exercise Training during Normobaric Hypoxic Confinement Does Not Alter Hormonal Appetite Regulation. <i>PLoS ONE</i> , 2014, 9, e98874.	1.1	31
51	PlanHab (Planetary Habitat Simulation): the combined and separate effects of 21 days bed rest and hypoxic confinement on human skeletal muscle miRNA expression. <i>Physiological Reports</i> , 2016, 4, e12753.	0.7	31
52	The Effect of Normobaric Hypoxic Confinement on Metabolism, Gut Hormones, and Body Composition. <i>Frontiers in Physiology</i> , 2016, 7, 202.	1.3	30
53	The increased oxygen uptake upon immersion. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1989, 58, 556-562.	1.2	29
54	Hypoxia increases the cutaneous threshold for the sensation of cold. <i>European Journal of Applied Physiology</i> , 2004, 92, 62-68.	1.2	29

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55	Motion sickness increases the risk of accidental hypothermia. <i>European Journal of Applied Physiology</i> , 2006, 98, 48-55.	1.2	29
56	Acute Effects of Normobaric Hypoxia on Hand-Temperature Responses During and After Local Cold Stress. <i>High Altitude Medicine and Biology</i> , 2014, 15, 183-191.	0.5	29
57	Respiratory drive during sudden cold water immersion. <i>Respiration Physiology</i> , 1987, 70, 121-130.	2.8	27
58	Core threshold temperatures for sweating. <i>Canadian Journal of Physiology and Pharmacology</i> , 1989, 67, 1038-1044.	0.7	27
59	Substrate utilisation during exercise and shivering. <i>European Journal of Applied Physiology</i> , 1997, 76, 103-108.	1.2	27
60	PlanHab: the combined and separate effects of 16 days of bed rest and normobaric hypoxic confinement on circulating lipids and indices of insulin sensitivity in healthy men. <i>Journal of Applied Physiology</i> , 2016, 120, 947-955.	1.2	27
61	Sterilization of polypropylene membranes of facepiece respirators by ionizing radiation. <i>Journal of Membrane Science</i> , 2021, 619, 118756.	4.1	27
62	Human temperature regulation during narcosis induced by inhalation of 30% nitrous oxide. <i>Journal of Applied Physiology</i> , 1992, 73, 2246-2254.	1.2	26
63	Forearm finger skin temperature gradient as an index of cutaneous perfusion during steady-state exercise. <i>Clinical Physiology and Functional Imaging</i> , 2013, 33, 400-404.	0.5	26
64	Characteristics of the carotid baroreflex in man during normal and flow-restricted exercise. <i>Acta Physiologica Scandinavica</i> , 1992, 144, 325-331.	2.3	25
65	Ischaemia in working muscles potentiates the exercise-induced sweating response in man. <i>Acta Physiologica Scandinavica</i> , 2004, 181, 305-311.	2.3	25
66	Cold-induced vasodilatation in the foot is not homogenous or trainable over repeated cold exposure. <i>European Journal of Applied Physiology</i> , 2007, 102, 73-78.	1.2	25
67	Intestinal Metagenomes and Metabolomes in Healthy Young Males: Inactivity and Hypoxia Generated Negative Physiological Symptoms Precede Microbial Dysbiosis. <i>Frontiers in Physiology</i> , 2018, 9, 198.	1.3	25
68	The effect of hyperbaric oxygen treatment on early regeneration of sensory axons after nerve crush in the rat. <i>Journal of the Peripheral Nervous System</i> , 2002, 7, 141-148.	1.4	24
69	Regional thermal comfort zone in males and females. <i>Physiology and Behavior</i> , 2016, 161, 123-129.	1.0	24
70	A Model of Shivering Thermogenesis Based on the Neurophysiology of Thermoreception. <i>IEEE Transactions on Biomedical Engineering</i> , 1985, BME-32, 407-417.	2.5	23
71	Enhancement of cold-induced vasodilatation following acclimatization to altitude. <i>European Journal of Applied Physiology</i> , 2008, 104, 201-206.	1.2	23
72	Interaction between Indoor Occupational Heat Stress and Environmental Temperature Elevations during Heat Waves. <i>Weather, Climate, and Society</i> , 2019, 11, 755-762.	0.5	23

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73	Hyperbaric Oxygenation, Plasma Exchange, and Hemodialysis for Treatment of Acute Liver Failure in a 3-year-old Child. <i>Artificial Organs</i> , 1998, 22, 952-957.	1.0	22
74	The effect of exercise-induced elevation in core temperature on cold-induced vasodilatation response in toes. <i>European Journal of Applied Physiology</i> , 2009, 106, 457-464.	1.2	22
75	Whole body and regional body composition changes following 10-day hypoxic confinement and unloading inactivity. <i>Applied Physiology, Nutrition and Metabolism</i> , 2014, 39, 386-395.	0.9	22
76	Determination of clothing microenvironment volume. <i>Ergonomics</i> , 1987, 30, 1043-1052.	1.1	21
77	Pressure-distension relationship in arteries and arterioles in response to 5 wk of horizontal bedrest. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H1296-H1302.	1.5	21
78	Hand temperature responses to local cooling after a 10-day confinement to normobaric hypoxia with and without exercise. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015, 25, 650-660.	1.3	21
79	Indicators to assess physiological heat strain – Part 3: Multi-country field evaluation and consensus recommendations. <i>Temperature</i> , 2022, 9, 274-291.	1.6	21
80	Increased distensibility in dependent veins following prolonged bedrest. <i>European Journal of Applied Physiology</i> , 2009, 106, 547-554.	1.2	20
81	G tolerance vis-à-vis pressure-distension and pressure-flow relationships of leg arteries. <i>European Journal of Applied Physiology</i> , 2012, 112, 3619-3627.	1.2	20
82	Circadian rhythm of peripheral perfusion during 10-day hypoxic confinement and bed rest. <i>European Journal of Applied Physiology</i> , 2014, 114, 2093-2104.	1.2	20
83	Hypoxia and inactivity related physiological changes precede or take place in absence of significant rearrangements in bacterial community structure: The PlanHab randomized trial pilot study. <i>PLoS ONE</i> , 2017, 12, e0188556.	1.1	20
84	The influence of acute and 23 days of intermittent hypoxic exposures on the exercise-induced forehead sweating response. <i>European Journal of Applied Physiology</i> , 2007, 99, 557-566.	1.2	19
85	Respiratory muscle endurance training: effect on normoxic and hypoxic exercise performance. <i>European Journal of Applied Physiology</i> , 2010, 108, 759-769.	1.2	19
86	PlanHab: hypoxia exaggerates the bed-rest-induced reduction in peak oxygen uptake during upright cycle ergometry. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H453-H464.	1.5	19
87	Heat acclimation does not affect maximal aerobic power in thermoneutral normoxic or hypoxic conditions. <i>Experimental Physiology</i> , 2019, 104, 345-358.	0.9	19
88	MEF2 as upstream regulator of the transcriptome signature in human skeletal muscle during unloading. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 315, R799-R809.	0.9	19
89	Shivering thermogenesis during acute hypercapnia. <i>Canadian Journal of Physiology and Pharmacology</i> , 1994, 72, 238-242.	0.7	18
90	Thermoregulatory responses of circum-pubertal children. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1996, 74, 404-410.	1.2	18

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91	Human temperature regulation during cycling with moderate leg ischaemia. <i>European Journal of Applied Physiology</i> , 2005, 95, 213-220.	1.2	18
92	Normoxic and Hypoxic Performance Following 4 Weeks of Normobaric Hypoxic Training. <i>Aviation, Space, and Environmental Medicine</i> , 2010, 81, 387-393.	0.6	18
93	Muscle and cerebral oxygenation during exercise performance after short-term respiratory work. <i>Respiratory Physiology and Neurobiology</i> , 2011, 175, 247-254.	0.7	18
94	Cold-induced vasodilatation response in the fingers at 4 different water temperatures. <i>Applied Physiology, Nutrition and Metabolism</i> , 2013, 38, 14-20.	0.9	18
95	Hypoxia Exacerbates Negative Emotional State during Inactivity: The Effect of 21 Days Hypoxic Bed Rest and Confinement. <i>Frontiers in Physiology</i> , 2018, 9, 26.	1.3	18
96	The LunHab project: Muscle and bone alterations in male participants following a 10-day lunar habitat simulation. <i>Experimental Physiology</i> , 2019, 104, 1250-1261.	0.9	18
97	Acute normobaric hyperoxia transiently attenuates plasma erythropoietin concentration in healthy males: evidence against the "normobaric oxygen paradox" theory. <i>Acta Physiologica</i> , 2011, 202, 91-98.	1.8	17
98	The separate and combined effects of hypoxia and sustained recumbency/inactivity on sleep architecture. <i>European Journal of Applied Physiology</i> , 2014, 114, 1973-1981.	1.2	17
99	Effects of normobaric hypoxic bed rest on the thermal comfort zone. <i>Journal of Thermal Biology</i> , 2015, 49-50, 39-46.	1.1	17
100	FemHab: The effects of bed rest and hypoxia on oxidative stress in healthy women. <i>Journal of Applied Physiology</i> , 2016, 120, 930-938.	1.2	17
101	Inhalation rewarming from hypothermia: an evaluation in -20 degrees C simulated field conditions. <i>Aviation, Space, and Environmental Medicine</i> , 1995, 66, 424-9.	0.6	17
102	Human temperature regulation during subanesthetic levels of nitrous oxide-induced narcosis. <i>Journal of Applied Physiology</i> , 1995, 78, 2301-2308.	1.2	16
103	Human thermoregulatory function during exercise and immersion after 35 days of horizontal bed-rest and recovery. <i>European Journal of Applied Physiology</i> , 2005, 95, 163-171.	1.2	16
104	A model-based approach to the evaluation of flame-protective garments. <i>ISA Transactions</i> , 2008, 47, 198-210.	3.1	16
105	Psychological strain: Examining the effect of hypoxic bedrest and confinement. <i>Physiology and Behavior</i> , 2015, 139, 497-504.	1.0	16
106	Strategies for increasing evaporative cooling during simulated desert patrol mission. <i>Ergonomics</i> , 2016, 59, 298-309.	1.1	16
107	Properties of laminated silica aerogel fibrous matting composites for footwear applications. <i>Textile Research Journal</i> , 2016, 86, 1063-1073.	1.1	16
108	Effect of age and training schedules on balance improvement exercises using visual biofeedback. <i>The Journal of Otolaryngology</i> , 1995, 24, 221-9.	0.6	16

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109	The influence of apparel on aerodynamic drag in running. The Annals of Physiological Anthropology, 1987, 6, 133-143.	0.1	15
110	Nitrogen narcosis attenuates shivering thermogenesis. Journal of Applied Physiology, 1995, 78, 2241-2244.	1.2	15
111	Effects of physical fitness on relaxed G-tolerance and the exercise pressor response. European Journal of Applied Physiology, 2013, 113, 2749-2759.	1.2	15
112	Finger and Toe Temperature Responses to Cold After Freezing Cold Injury in Elite Alpinists. Wilderness and Environmental Medicine, 2015, 26, 295-304.	0.4	15
113	Bed Rest and Hypoxic Exposure Affect Sleep Architecture and Breathing Stability. Frontiers in Physiology, 2017, 8, 410.	1.3	15
114	Short intermittent hypoxic exposures augment ventilation but do not alter regional cerebral and muscle oxygenation during hypoxic exercise. Respiratory Physiology and Neurobiology, 2012, 181, 132-142.	0.7	14
115	Blood pressure regulation V: in vivo mechanical properties of precapillary vessels as affected by long-term pressure loading and unloading. European Journal of Applied Physiology, 2014, 114, 499-509.	1.2	14
116	Effect of acute hypercapnia during 10-day hypoxic bed rest on posterior eye structures. Journal of Applied Physiology, 2016, 120, 1241-1248.	1.2	14
117	PlanHab study: assessment of psycho-neuroendocrine function in male subjects during 21 days of normobaric hypoxia and bed rest. Stress, 2017, 20, 131-139.	0.8	14
118	No association between hand and foot temperature responses during local cold stress and rewarming. European Journal of Applied Physiology, 2017, 117, 1141-1153.	1.2	14
119	Thermal comfort zone of the hands, feet and head in males and females. Physiology and Behavior, 2017, 179, 427-433.	1.0	14
120	The Effect of Low Ambient Relative Humidity on Physical Performance and Perceptual Responses during Load Carriage. Frontiers in Physiology, 2017, 8, 451.	1.3	14
121	The effect of thermal transience on the perception of thermal comfort. Physiology and Behavior, 2019, 210, 112623.	1.0	14
122	Effects of blood volume distribution on the characteristics of the carotid baroreflex in humans at rest and during exercise. Acta Physiologica Scandinavica, 1994, 150, 89-94.	2.3	13
123	Histaminergic and cholinergic neuron systems in the impairment of human thermoregulation during motion sickness. Brain Research Bulletin, 2010, 82, 193-200.	1.4	13
124	Carbon monoxide exposure during exercise performance: muscle and cerebral oxygenation. Acta Physiologica, 2012, 204, 544-554.	1.8	13
125	Acute short-term hyperoxia followed by mild hypoxia does not increase EPO production: resolving the "normobaric oxygen paradox". European Journal of Applied Physiology, 2012, 112, 1059-1065.	1.2	13
126	PlanHab: Hypoxia counteracts the erythropoietin suppression, but seems to exaggerate the plasma volume reduction induced by 3 weeks of bed rest. Physiological Reports, 2016, 4, e12760.	0.7	13

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127	PlanHab Study: Consequences of combined normobaric hypoxia and bed rest on adenosine kinetics. <i>Scientific Reports</i> , 2018, 8, 1762.	1.6	13
128	Exercise cardiorespiratory and thermoregulatory responses in normoxic, hypoxic, and hot environment following 10-day continuous hypoxic exposure. <i>Journal of Applied Physiology</i> , 2018, 125, 1284-1295.	1.2	13
129	Relationship between physique and rectal temperature cooling rate. <i>Undersea Biomedical Research</i> , 1992, 19, 121-30.	0.1	13
130	Temperature and humidity within the clothing microenvironment. <i>Aviation, Space, and Environmental Medicine</i> , 1992, 63, 186-92.	0.6	13
131	Autonomic nervous control of heart rate during blood-flow restricted exercise in man. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1993, 66, 202-206.	1.2	12
132	Moderate hypoxia does not affect the zone of thermal comfort in humans. <i>European Journal of Applied Physiology</i> , 2005, 93, 708-713.	1.2	12
133	The Effect of a Sleep Highâ€‘Train Low Regimen on the Finger Cold-Induced Vasodilation Response. <i>High Altitude Medicine and Biology</i> , 2012, 13, 32-39.	0.5	12
134	Separate and Combined Effects of Hypoxia and Horizontal Bed Rest on Retinal Blood Vessel Diameters. , 2016, 57, 4927.		12
135	The Effect of Bed Rest and Hypoxic Environment on Postural Balance and Trunk Automatic (Re)Actions in Young Healthy Males. <i>Frontiers in Physiology</i> , 2018, 9, 27.	1.3	12
136	Interactions of mild hypothermia and hypoxia on finger vasoreactivity to local cold stress. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 317, R418-R431.	0.9	12
137	Myths and methodologies: Degrees of freedom â€‘ limitations of infrared thermographic screening for Covidâ€‘19 and other infections. <i>Experimental Physiology</i> , 2022, 107, 733-742.	0.9	12
138	Effect of hypoxia on preferred hand temperature. <i>Aviation, Space, and Environmental Medicine</i> , 2003, 74, 522-6.	0.6	12
139	Motion sickness decreases arterial pressure and therefore acceleration tolerance. <i>Aviation, Space, and Environmental Medicine</i> , 2005, 76, 541-6.	0.6	12
140	Intermittent Normobaric Hypoxic Exposures at Rest: Effects on Performance in Normoxia and Hypoxia. <i>Aviation, Space, and Environmental Medicine</i> , 2012, 83, 942-950.	0.6	11
141	Effects of Hypoxia and Bed Rest on Markers of Cardiometabolic Risk: Compensatory Changes in Circulating TRAIL and Glutathione Redox Capacity. <i>Frontiers in Physiology</i> , 2018, 9, 1000.	1.3	11
142	No ergogenic effects of a 10-day combined heat and hypoxic acclimation on aerobic performance in normoxic thermoneutral or hot conditions. <i>European Journal of Applied Physiology</i> , 2019, 119, 2513-2527.	1.2	11
143	Greater maintenance of bone mineral content in male than female athletes and in sprinting and jumping than endurance athletes: a longitudinal study of bone strength in elite masters athletes. <i>Archives of Osteoporosis</i> , 2020, 15, 87.	1.0	11
144	Hypercapnia augments resistive exerciseâ€‘induced elevations in intraocular pressure in older individuals. <i>Experimental Physiology</i> , 2020, 105, 641-651.	0.9	11

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145	Dynamic moisture permeation through clothing. <i>Aviation, Space, and Environmental Medicine</i> , 1988, 59, 49-53.	0.6	11
146	Determining the rate of body heat storage by incorporating body composition. <i>Aviation, Space, and Environmental Medicine</i> , 1987, 58, 301-7.	0.6	11
147	Effect of reduced atmospheric pressure on patients with fluctuating hearing loss due to Ménière's disease. <i>The Journal of Otolaryngology</i> , 1984, 13, 76-82.	0.6	11
148	Indicators to assess physiological heat strain – Part 2: Delphi exercise. <i>Temperature</i> , 0, , 1-11.	1.6	11
149	The pattern of breathing during hypoxic exercise. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1987, 56, 619-622.	1.2	10
150	Effect of 21 days of horizontal bed rest on behavioural thermoregulation. <i>European Journal of Applied Physiology</i> , 2010, 108, 281-288.	1.2	10
151	Inhalation of warm and cold air does not influence brain stem or core temperature in normothermic humans. <i>Journal of Applied Physiology</i> , 2002, 93, 65-69.	1.2	9
152	Effects of Prolonged Immobilization on Sequential Changes in Mineral and Bone Disease Parameters. <i>American Journal of Kidney Diseases</i> , 2013, 61, 845-847.	2.1	9
153	Mount Everest and Makalu Cold Injury Amputation: 40 Years On. <i>High Altitude Medicine and Biology</i> , 2014, 15, 78-83.	0.5	9
154	Exercise during Short-Term and Long-Term Continuous Exposure to Hypoxia Exacerbates Sleep-Related Periodic Breathing. <i>Sleep</i> , 2016, 39, 773-783.	0.6	9
155	Severe hypoxia during incremental exercise to exhaustion provokes negative post-exercise affects. <i>Physiology and Behavior</i> , 2016, 156, 171-176.	1.0	9
156	Cold Susceptibility of Digit Stumps Resulting from Amputation After Freezing Cold Injury in Elite Alpinists. <i>High Altitude Medicine and Biology</i> , 2018, 19, 185-192.	0.5	9
157	Systems View of Deconditioning During Spaceflight Simulation in the PlanHab Project: The Departure of Urine 1 H-NMR Metabolomes From Healthy State in Young Males Subjected to Bedrest Inactivity and Hypoxia. <i>Frontiers in Physiology</i> , 2020, 11, 532271.	1.3	9
158	Cooling efficiency of vests with different cooling concepts over 8-hour trials. <i>Ergonomics</i> , 2021, 64, 625-639.	1.1	9
159	Effect of core cooling on short and long latency reflex responses. <i>Brain Research</i> , 1983, 264, 320-322.	1.1	8
160	Ventilation index of helicopter pilot suits. <i>Ergonomics</i> , 1987, 30, 1053-1061.	1.1	8
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