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## A NEW WEIGHTING SYSTEM FOR MEAN SURFACE TEMPERATURE OF THE HUMAN BODY

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| 1391 | Skin temperature, thermal comfort, sweating, clothing and activity of men sledging in Antarctica. <i>Journal of Physiology</i> , <b>1966</b> , 186, 201-15 | 3.9 | 17        |
| 1390 | Comparison of Effects of Propofol and Isosorbide Dinitrate during Rewarming on Cardiopulmonary Bypass. <b>2016</b> , 32, 806-10                            |     |           |
| 1389 | How well does man thermoregulate during sleep?. <b>1974</b> , 30, 1279-81  |     | 61        |
| 1388 | The effect of Adrenoceptor blockade on body temperature and plasma renin activity in heat-exposed man. <b>1974</b> , 1, 307-12                             |     | 13        |
| 1387 | Control of heat balance during arterial surgery. <b>1975</b> , 3, 118-21   |     | 3         |
| 1386 | Heat balance during surgery involving body cavities. <b>1975</b> , 3, 114-7  |     | 11        |
| 1385 | Cold-adaptive modifications in man induced by repeated short-term cold-exposures and during a 10-day and-night cold-exposure. <b>1976</b> , 363, 125-33    |     | 64        |
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| 1383 | A simple device for measuring mean skin temperature. <b>1978</b> , 2, 244-6  |     | 2         |
| 1382 | Redistribution of body heat during anaesthesia. A comparison of halothane, fentanyl and epidural anaesthesia. <b>1979</b> , 34, 758-64                     |     | 71        |
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| 1380 | Hypoglycaemia, hypothermia and shivering in man. <b>1981</b> , 61, 463-9   |     | 73        |
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| 1377 | Haemodynamic changes during graded exercise in patients with diabetic autonomic neuropathy. <b>1982</b> , 22, 318-23                                       |     | 56        |
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| 1375 | Blood volume and protein responses to skin cooling and warming during cycling exercise. <b>1983</b> , 50, 195-206  |     | 7         |

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| 1369 | Measurement of mean skin temperature of clothed persons in cool environments. <b>1984</b> , 53, 231-6   |     | 55 |
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| 1359 | Thermal balance during transurethral resection of the prostate. A comparison of general anaesthesia and epidural analgesia. <b>1985</b> , 29, 743-9                         |     | 16 |
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| 1340 | Heating efficacy of external heat supply during and after open-heart surgery with hypothermia. <b>1987</b> , 31, 73-80   |     | 25 |
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| 1338 | Postoperative ventilatory and circulatory effects of heating after aortocoronary bypass surgery. Postoperative external heat supply. <b>1987</b> , 31, 532-42  |     | 22 |
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| 1335 | An on-line microcomputer program for the monitoring of physiological variables during rest and exercise. <b>1988</b> , 18, 17-24   |     | 10 |
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| 1332 | Thermoregulatory adjustments during continuous heat exposure. <b>1988</b> , 57, 499-506  |     | 8  |
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| 1079 | Effects of partial humid heat exposure during different segments of sleep on human sleep stages and body temperature. <b>2005</b> , 83, 759-65   |     | 30  |
| 1078 | Astreinte physiologique des sapeurs pompiers lors de l'approche d'un feu. <b>2005</b> , 20, 289-292  |     | 1   |
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| 1064 | Aerobic influence on neuromuscular function and tolerance during passive hyperthermia. <i>Medicine and Science in Sports and Exercise</i> , <b>2006</b> , 38, 1754-61                              | 1.2 | 17  |
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| 1057 | The effects of solar radiation on thermal comfort. <b>2007</b> , 51, 233-50  |     | 99  |
| 1056 | Body cooling attenuates the decrease in maximal oxygen uptake associated with cardiovascular drift during heat stress. <i>European Journal of Applied Physiology</i> , <b>2006</b> , 98, 97-104    | 3.4 | 27  |
| 1055 | Acute heat exposure increases high-intensity performance during sprint cycle exercise. <i>European Journal of Applied Physiology</i> , <b>2007</b> , 99, 87-93                                     | 3.4 | 12  |
| 1054 | Effect of partial body cooling on thermophysiological responses during cycling work in a hot environment. <i>Journal of Thermal Biology</i> , <b>2006</b> , 31, 194-207                            | 2.9 | 9   |
| 1053 | The combined effects of hydration and exercise heat stress on choice reaction time. <b>2006</b> , 9, 157-64  |     | 33  |
| 1052 | Impaired skin blood flow response to environmental heating in chronic heart failure. <b>2006</b> , 27, 338-43  |     | 61  |
| 1051 | Influence of body heat content on hand function during prolonged cold exposures. <i>Journal of Applied Physiology</i> , <b>2006</b> , 101, 802-8   | 3.7 | 29  |

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| 1050 | Air temperature and physiological and subjective responses during competitive singles tennis. <b>2007</b> , 41, 773-8   |     | 31 |
| 1049 | Preexercise sodium loading aids fluid balance and endurance for women exercising in the heat. <i>Journal of Applied Physiology</i> , <b>2007</b> , 103, 534-41  | 3.7 | 49 |
| 1048 | A three-compartment thermometry model for the improved estimation of changes in body heat content. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2007</b> , 292, R167-75 | 3.2 | 57 |
| 1047 | Effect of heat acclimation on heat shock protein 72 and interleukin-10 in humans. <i>Journal of Applied Physiology</i> , <b>2007</b> , 103, 1196-204  | 3.7 | 68 |
| 1046 | Skin-surface cooling elicits peripheral and visceral vasoconstriction in humans. <i>Journal of Applied Physiology</i> , <b>2007</b> , 103, 1257-62  | 3.7 | 89 |
| 1045 | Rehydration with fluid of varying tonicities: effects on fluid regulatory hormones and exercise performance in the heat. <i>Journal of Applied Physiology</i> , <b>2007</b> , 102, 1899-905                               | 3.7 | 30 |
| 1044 | Gastric emptying of fluids during variable-intensity running in the heat. <b>2007</b> , 17, 270-83  |     | 12 |
| 1043 | Creatine and glycerol hyperhydration in trained subjects before exercise in the heat. <b>2007</b> , 17, 70-91   |     | 25 |
| 1042 | Influence of hydration status on thermoregulation and cycling hill climbing. <i>Medicine and Science in Sports and Exercise</i> , <b>2007</b> , 39, 323-9   | 1.2 | 44 |
| 1041 | Separate and combined effects of airflow and rehydration during exercise in the heat. <i>Medicine and Science in Sports and Exercise</i> , <b>2007</b> , 39, 1720-6   | 1.2 | 19 |
| 1040 | The influence of drink temperature on thermoregulatory responses during prolonged exercise in a moderate environment. <b>2007</b> , 25, 975-85  |     | 47 |
| 1039 | Mild body cooling impairs attention via distraction from skin cooling. <i>Ergonomics</i> , <b>2007</b> , 50, 275-88   | 2.9 | 15 |
| 1038 | Heat exposure control using non-refrigerated water in Brazilian steel factory workers. <b>2007</b> , 45, 100-6  |     | 4  |
| 1037 | Preoperative warming combined with intraoperative skin-surface warming does not avoid hypothermia caused by spinal anesthesia in patients with midazolam premedication. <b>2007</b> , 125, 144-9                          |     | 14 |
| 1036 | Human physiological and heat shock protein 72 adaptations during the initial phase of humid-heat acclimation. <i>Journal of Thermal Biology</i> , <b>2007</b> , 32, 341-348   | 2.9 | 25 |
| 1035 | Validation of an individualised model of human thermoregulation for predicting responses to cold air. <b>2007</b> , 51, 169-79  |     | 37 |
| 1034 | Hyperthermic-induced hyperventilation and associated respiratory alkalosis in humans. <i>European Journal of Applied Physiology</i> , <b>2007</b> , 100, 63-9   | 3.4 | 18 |
| 1033 | Effects of pre-cooling procedures on intermittent-sprint exercise performance in warm conditions. <i>European Journal of Applied Physiology</i> , <b>2007</b> , 100, 727-35   | 3.4 | 80 |

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| 1032 | Evaluation of the limits to accurate sweat loss prediction during prolonged exercise. <i>European Journal of Applied Physiology</i> , <b>2007</b> , 101, 215-24  | 3-4 | 37  |
| 1031 | Quantification of the decay and re-induction of heat acclimation in dry-heat following 12 and 26 days without exposure to heat stress. <i>European Journal of Applied Physiology</i> , <b>2007</b> , 102, 57-66                            | 3-4 | 75  |
| 1030 | A fuzzy neural network model for predicting clothing thermal comfort. <b>2007</b> , 53, 1840-1846  |     | 36  |
| 1029 | Effects of airflow on body temperatures and sleep stages in a warm humid climate. <b>2008</b> , 52, 261-70   |     | 38  |
| 1028 | Impact of a protective vest and spacer garment on exercise-heat strain. <i>European Journal of Applied Physiology</i> , <b>2008</b> , 102, 577-83  | 3-4 | 40  |
| 1027 | The role of muscle pump in the development of cardiovascular drift. <i>European Journal of Applied Physiology</i> , <b>2008</b> , 103, 99-107  | 3-4 | 9   |
| 1026 | Efficacy of body ventilation system for reducing strain in warm and hot climates. <i>European Journal of Applied Physiology</i> , <b>2008</b> , 103, 307-14  | 3-4 | 82  |
| 1025 | Hypoxia induces no change in cutaneous thresholds for warmth and cold sensation. <i>European Journal of Applied Physiology</i> , <b>2008</b> , 104, 375-81   | 3-4 | 7   |
| 1024 | The rate of muscle temperature increase during acute whole-body vibration exercise. <i>European Journal of Applied Physiology</i> , <b>2008</b> , 103, 441-8   | 3-4 | 124 |
| 1023 | The rate of increase in rating of perceived exertion predicts the duration of exercise to fatigue at a fixed power output in different environmental conditions. <i>European Journal of Applied Physiology</i> , <b>2008</b> , 103, 569-77 | 3-4 | 154 |
| 1022 | Effect of body temperature on cold induced vasodilation. <i>European Journal of Applied Physiology</i> , <b>2008</b> , 104, 491-9  | 3-4 | 49  |
| 1021 | A comparison of the effects of milk and a carbohydrate-electrolyte drink on the restoration of fluid balance and exercise capacity in a hot, humid environment. <i>European Journal of Applied Physiology</i> , <b>2008</b> , 104, 633-42  | 3-4 | 68  |
| 1020 | The effect of the rate of heat storage on serum heat shock protein 72 in humans. <i>European Journal of Applied Physiology</i> , <b>2008</b> , 104, 965-72   | 3-4 | 14  |
| 1019 | Effect of increased plasma osmolality on cold-induced thirst attenuation. <i>European Journal of Applied Physiology</i> , <b>2008</b> , 104, 1013-9  | 3-4 | 3   |
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| 1017 | Heat strain at the critical WBGT and the effects of gender, clothing and metabolic rate. <b>2008</b> , 38, 640-644   |     | 27  |
| 1016 | The influence of ethnicity on thermoregulation after acute cold exposure. <b>2008</b> , 19, 238-44   |     | 13  |
| 1015 | Postexercise reduction in lung diffusion capacity is not attenuated by skin cooling. <b>2008</b> , 28, 403-8   |     |     |

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| 1014 | Double blind carbohydrate ingestion does not improve exercise duration in warm humid conditions. <b>2008</b> , 11, 72-9                          |     | 9  |
| 1013 | Effects of milk ingestion on prolonged exercise capacity in young, healthy men. <b>2008</b> , 24, 340-7  |     | 16 |
| 1012 | Hydration effects on cognitive performance during military tasks in temperate and cold environments. <b>2008</b> , 93, 748-56                    |     | 60 |
| 1011 | Differences in wearer response to garments for outdoor activity. <i>Ergonomics</i> , <b>2008</b> , 51, 492-510                                   | 2.9 | 29 |
| 1010 | Effect of cold water immersion on repeat cycling performance and thermoregulation in the heat. <b>2008</b> , 26, 431-40                          |     | 99 |
| 1009 | The effects of solar radiation and black body re-radiation on thermal comfort. <i>Ergonomics</i> , <b>2008</b> , 51, 476-91                      |     | 13 |
| 1008 | Practical precooling: effect on cycling time trial performance in warm conditions. <b>2008</b> , 26, 1477-87                                     |     | 54 |
| 1007 | The influence of serial feeding of drinks at different temperatures on thermoregulatory responses during cycling. <b>2008</b> , 26, 583-90       |     | 42 |
| 1006 | Autonomic and behavioural thermoregulation in tennis. <b>2008</b> , 42, 679-85; discussion 685   |     | 26 |
| 1005 | Thermoregulatory responses during competitive singles tennis. <b>2008</b> , 42, 736-41   |     | 9  |
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| 1003 | Bright light and thermoregulatory responses to exercise. <i>International Journal of Sports Medicine</i> , <b>2008</b> , 29, 188-93              | 3.6 | 9  |
| 1002 | Infrared tympanic thermometry in a hot environment. <i>International Journal of Sports Medicine</i> , <b>2008</b> , 29, 713-8                    | 3.6 | 12 |
| 1001 | Heat acclimation and HSP-72 expression in exercising humans. <i>International Journal of Sports Medicine</i> , <b>2008</b> , 29, 269-76          | 3.6 | 18 |
| 1000 | Hypervolemia and blood alkalinity: effect on physiological strain in a warm environment. <b>2008</b> , 3, 501-15                                 |     | 7  |
| 999  | Vitamin C supplementation and salivary immune function following exercise-heat stress. <b>2008</b> , 3, 516-30                                   |     | 4  |
| 998  | Physiological responses to cold water immersion following cycling in the heat. <b>2008</b> , 3, 331-46   |     | 68 |
| 997  | THE EFFECT OF LOCAL-HEATING OF SOLES AND RADIATION-HEATING ON THERMAL-SENSATION OF SUBJECTS. <b>2008</b> , 73, 721-725                           |     | 5  |

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| 996 | Acute norepinephrine reuptake inhibition decreases performance in normal and high ambient temperature. <i>Journal of Applied Physiology</i> , <b>2008</b> , 105, 206-12   | 3.7 | 72  |
| 995 | Temperature monitoring and perioperative thermoregulation. <b>2008</b> , 109, 318-38  |     | 424 |
| 994 | The effects of acute dopamine reuptake inhibition on performance. <i>Medicine and Science in Sports and Exercise</i> , <b>2008</b> , 40, 879-85   | 1.2 | 121 |
| 993 | Effect of ambient temperature on cardiovascular drift and maximal oxygen uptake. <i>Medicine and Science in Sports and Exercise</i> , <b>2008</b> , 40, 1065-71   | 1.2 | 29  |
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| 991 | Cold drink ingestion improves exercise endurance capacity in the heat. <i>Medicine and Science in Sports and Exercise</i> , <b>2008</b> , 40, 1637-44   | 1.2 | 106 |
| 990 | Thermoregulatory responses to constant versus variable-intensity exercise in the heat. <i>Medicine and Science in Sports and Exercise</i> , <b>2008</b> , 40, 1945-52   | 1.2 | 34  |
| 989 | THE GENDER DIFFERENCES IN THERMOREGULATORY RESPONSES DURING EXERCISE RECOVERY. <i>Japanese Journal of Physical Fitness and Sports Medicine</i> , <b>2008</b> , 57, 295-304  | 0.1 | 1   |
| 988 | EFFECTS OF WIND AND RAIN ON THERMOREGULATORY AND CARDIOVASCULAR-RESPIRATORY RESPONSES DURING RUNNING IN HUMANS. <i>Japanese Journal of Physical Fitness and Sports Medicine</i> , <b>2009</b> , 58, 247-254                         | 0.1 |     |
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| 986 | Current evidence does not support an anticipatory regulation of exercise intensity mediated by rate of body heat storage. <i>Journal of Applied Physiology</i> , <b>2009</b> , 107, 630-1   | 3.7 | 28  |
| 985 | Aging affects the cardiovascular responses to cold stress in humans. <i>Journal of Applied Physiology</i> , <b>2009</b> , 107, 1076-82  | 3.7 | 80  |
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| 982 | Self-paced exercise is less physically challenging than enforced constant pace exercise of the same intensity: influence of complex central metabolic control. <b>2009</b> , 43, 789-95   |     | 65  |
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| 979 | Effects of wearing compression garments on thermoregulation during simulated team sport activity in temperate environmental conditions. <b>2009</b> , 12, 303-9   |     | 50  |



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| 978 | Rates of fluid ingestion alter pacing but not thermoregulatory responses during prolonged exercise in hot and humid conditions with appropriate convective cooling. <i>European Journal of Applied Physiology</i> , <b>2009</b> , 105, 69-80 | 3-4 | 68  |
| 977 | Performance and thermoregulatory effects of chronic bupropion administration in the heat. <i>European Journal of Applied Physiology</i> , <b>2009</b> , 105, 493-8   | 3-4 | 37  |
| 976 | One night of sleep deprivation decreases treadmill endurance performance. <i>European Journal of Applied Physiology</i> , <b>2009</b> , 107, 155-61  | 3-4 | 124 |
| 975 | Time trial performance in normal and high ambient temperature: is there a role for 5-HT?. <i>European Journal of Applied Physiology</i> , <b>2009</b> , 107, 119-26  | 3-4 | 35  |
| 974 | Post-exercise cooling techniques in hot, humid conditions. <i>European Journal of Applied Physiology</i> , <b>2009</b> , 107, 385-96   | 3-4 | 67  |
| 973 | Effects of encouraged water drinking on thermoregulatory responses after 20 days of head-down bed rest in humans. <b>2009</b> , 53, 443-9  |     | 6   |
| 972 | Interactive effects between isometric exercise and mental stress on the vascular responses in glabrous and nonglabrous skin. <b>2009</b> , 59, 137-42  |     | 6   |
| 971 | Thermoregulatory demands of elite professional America's Cup yacht racing. <b>2010</b> , 20, 475-84  |     | 13  |
| 970 | Circadian aspects of body temperature regulation in exercise. <i>Journal of Thermal Biology</i> , <b>2009</b> , 34, 161-170  |     | 26  |
| 969 | The influence of whole body heating and cooling on the aftercontraction effect in the upper limb muscles. <b>2009</b> , 35, 51-57  |     | 4   |
| 968 | Human conscious response to thermal input is adjusted to changes in mean body temperature. <b>2009</b> , 43, 199-203   |     | 38  |
| 967 | Characteristics of the control of human thermoregulatory behavior. <b>2009</b> , 98, 557-62  |     | 60  |
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| 964 | Caffeine during exercise in the heat: thermoregulation and fluid-electrolyte balance. <i>Medicine and Science in Sports and Exercise</i> , <b>2009</b> , 41, 164-73  | 1.2 | 37  |
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| 962 | Ventilated vest and tolerance for intermittent exercise in hot, dry conditions with military clothing. <b>2009</b> , 80, 353-9   |     | 54  |
| 961 | Effects of four recovery methods on repeated maximal rock climbing performance. <i>Medicine and Science in Sports and Exercise</i> , <b>2009</b> , 41, 1303-10   | 1.2 | 70  |

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| 958 | Reliability of the measurement of stroke volume using impedance cardiography during acute cold exposure. <b>2010</b> , 81, 120-4  |     | 10  |
| 957 | Ice slurry ingestion increases core temperature capacity and running time in the heat. <i>Medicine and Science in Sports and Exercise</i> , <b>2010</b> , 42, 717-25  | 1.2 | 120 |
| 956 | Performance of emergency underwater breathing systems in cool (25 degrees C) and cold (12 degrees C) water. <b>2010</b> , 81, 1002-7  |     | 2   |
| 955 | Resistive-heating or forced-air warming for the prevention of redistribution hypothermia. <b>2010</b> , 110, 829-33   |     | 51  |
| 954 | Precooling can prevent the reduction of self-paced exercise intensity in the heat. <i>Medicine and Science in Sports and Exercise</i> , <b>2010</b> , 42, 577-84  | 1.2 | 77  |
| 953 | Skin temperature modifies the impact of hypohydration on aerobic performance. <i>Journal of Applied Physiology</i> , <b>2010</b> , 109, 79-86   | 3.7 | 100 |
| 952 | THE EFFECT OF HEATING OF SOLES ON THERMAL-SENSATION OF SUBJECT IN WINTER REAL VOID-SPACE. <b>2010</b> , 75, 491-497   |     | 2   |
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| 950 | Palm cooling to reduce heat strain in subjects during simulated armoured vehicle transport. <i>European Journal of Applied Physiology</i> , <b>2010</b> , 108, 1217-23  | 3.4 | 19  |
| 949 | Evaluation of artificial sweat in athletes with spinal cord injuries. <i>European Journal of Applied Physiology</i> , <b>2010</b> , 109, 125-31   | 3.4 | 18  |
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| 945 | Practical neck cooling and time-trial running performance in a hot environment. <i>European Journal of Applied Physiology</i> , <b>2010</b> , 110, 1063-74  | 3.4 | 60  |
| 944 | Separate and combined effects of heat stress and exercise on circulatory markers of oxidative stress in euhydrated humans. <i>European Journal of Applied Physiology</i> , <b>2010</b> , 110, 953-60                                    | 3.4 | 19  |
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| 942 | Review of the physiology of human thermal comfort while exercising in urban landscapes and implications for bioclimatic design. <b>2010</b> , 54, 319-34  |     | 126 |
| 941 | Effect of heat exposure on thermoregulation and hockey-specific response time in field hockey goalkeepers. <b>2010</b> , 13, 371-5  |     | 2   |
| 940 | Maximal oxygen uptake, ventilatory thresholds and mechanical power during cycling in tropical climate in Guadeloupean elite cyclists. <b>2010</b> , 13, 607-12  |     | 4   |
| 939 | The effect of two kinds of T-shirts on physiological and psychological thermal responses during exercise and recovery. <b>2010</b> , 42, 46-51  |     | 52  |
| 938 | Comparing muscle temperature during static and dynamic squatting with and without whole-body vibration. <b>2010</b> , 30, 223-9   |     | 29  |
| 937 | Effects of aerobic fitness on hypohydration-induced physiological strain and exercise impairment. <b>2010</b> , 198, 179-90   |     | 53  |
| 936 | Influence of hydration volume and ambient temperature on physiological responses while wearing CBRN protective clothing. <i>Ergonomics</i> , <b>2010</b> , 53, 1484-99  | 2.9 | 10  |
| 935 | Cooling strategies improve intermittent sprint performance in the heat of athletes with tetraplegia. <b>2010</b> , 44, 455-60   |     | 32  |
| 934 | Effect of hypohydration and altitude exposure on aerobic exercise performance and acute mountain sickness. <i>Journal of Applied Physiology</i> , <b>2010</b> , 109, 1792-800   | 3.7 | 52  |
| 933 | Increased left ventricular twist, untwisting rates, and suction maintain global diastolic function during passive heat stress in humans. <b>2010</b> , 298, H930-7  |     | 38  |
| 932 | Is there evidence for nonthermal modulation of whole body heat loss during intermittent exercise?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2010</b> , 299, R119-28 | 3.2 | 10  |
| 931 | Effect of aging on cardiac function during cold stress in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2010</b> , 298, R1627-33                                 | 3.2 | 38  |
| 930 | Neuromuscular responses to hydration in moderate to warm ambient conditions during self-paced high-intensity exercise. <b>2010</b> , 44, 961-7  |     | 12  |
| 929 | Aerobic fitness does not influence the biventricular response to whole body passive heat stress. <i>Journal of Applied Physiology</i> , <b>2010</b> , 109, 1545-51  | 3.7 | 9   |
| 928 | Effect of drink temperature on core temperature and endurance cycling performance in warm, humid conditions. <b>2010</b> , 28, 1147-56  |     | 34  |
| 927 | Palm cooling does not reduce heat strain during exercise in a hot, dry environment. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2010</b> , 35, 480-9   | 3   | 11  |
| 926 | Effects of forearm vs. leg submersion in work tolerance time in a hot environment while wearing firefighter protective clothing. <b>2011</b> , 8, 473-7   |     | 10  |
| 925 | Is peak oxygen uptake a determinant of moderate-duration self-paced exercise performance in the heat?. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2011</b> , 36, 863-72                                     | 3   | 15  |

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| 924 | Development of wireless sensing system monitoring physiological information for healthcare in daily life. <b>2011</b> ,   |     | 4   |
| 923 | Effects of liquid cooling garments on recovery and performance time in individuals performing strenuous work wearing a firefighter ensemble. <b>2011</b> , 8, 409-16                  |     | 49  |
| 922 | The influence of activewear worn under standard work coveralls on whole-body heat loss. <b>2011</b> , 8, 652-61   |     | 8   |
| 921 | The effect of two sock fabrics on physiological parameters associated with blister incidence: a laboratory study. <b>2011</b> , 55, 510-8   |     | 15  |
| 920 | Passive-heat stress does not induce muscle fatigue, central activation failure or changes in intracortical properties of wrist flexors. <i>Ergonomics</i> , <b>2011</b> , 54, 565-575 | 2.9 | 2   |
| 919 | Integrated physiological mechanisms of exercise performance, adaptation, and maladaptation to heat stress. <b>2011</b> , 1, 1883-928  |     | 280 |
| 918 | The independent roles of temperature and thermal perception in the control of human thermoregulatory behavior. <b>2011</b> , 103, 217-24  |     | 176 |
| 917 | Wireless Sensing System for Healthcare Monitoring Thermal Physiological State and Recognizing Behavior. <b>2011</b> ,   |     | 3   |
| 916 | Evidence for thermoregulatory behavior during self-paced exercise in the heat. <i>Journal of Thermal Biology</i> , <b>2011</b> , 36, 390-396  | 2.9 | 25  |
| 915 | Marginal effects of a large caffeine dose on heat balance during exercise-heat stress. <b>2011</b> , 21, 65-70  |     | 19  |
| 914 | Self-paced exercise performance in the heat after pre-exercise cold-fluid ingestion. <b>2011</b> , 46, 592-9  |     | 28  |
| 913 | Intra-operative rewarming with Hot Dog( ) resistive heating and forced-air heating: a trial of lower-body warming. <b>2011</b> , 66, 667-74   |     | 19  |
| 912 | Changes in eccrine sweating on the glabrous skin of the palm and finger during isometric exercise. <b>2011</b> , 202, 649-55  |     | 9   |
| 911 | Reductions in cerebral blood flow during passive heat stress in humans: partitioning the mechanisms. <i>Journal of Physiology</i> , <b>2011</b> , 589, 4053-64                        | 3.9 | 65  |
| 910 | Cardiovascular strain impairs prolonged self-paced exercise in the heat. <i>Experimental Physiology</i> , <b>2011</b> , 96, 134-44  | 2.4 | 133 |
| 909 | Cutaneous vascular and core temperature responses to sustained cold exposure in hypoxia. <i>Experimental Physiology</i> , <b>2011</b> , 96, 1062-71                                   | 2.4 | 18  |
| 908 | Contribution of central versus sweat gland mechanisms to the seasonal change of sweating function in young sedentary males and females. <b>2011</b> , 55, 203-12                      |     | 17  |
| 907 | Exercise modality modulates body temperature regulation during exercise in uncompensable heat stress. <i>European Journal of Applied Physiology</i> , <b>2011</b> , 111, 757-66       | 3.4 | 26  |

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|-----|---|-----|-----|
| 906 | Effect of lower body compression garments on submaximal and maximal running performance in cold (10°C) and hot (32°C) environments. <i>European Journal of Applied Physiology</i> , <b>2011</b> , 111, 819-26 | 3-4 | 41  |
| 905 | In a hot-dry environment racewalking increases the risk of hyperthermia in comparison to when running at a similar velocity. <i>European Journal of Applied Physiology</i> , <b>2011</b> , 111, 1073-80       | 3-4 | 10  |
| 904 | Does summer in a humid continental climate elicit an acclimatization of human thermoregulatory responses?. <i>European Journal of Applied Physiology</i> , <b>2011</b> , 111, 1197-205                        | 3-4 | 28  |
| 903 | Mood and selective attention in the cold: the effect of interval versus continuous exercise. <i>European Journal of Applied Physiology</i> , <b>2011</b> , 111, 1321-8  | 3-4 | 20  |
| 902 | Describing individual variation in local sweating during exercise in a temperate environment. <i>European Journal of Applied Physiology</i> , <b>2011</b> , 111, 1599-607                                     | 3-4 | 29  |
| 901 | Skin temperature as a thermal controller of exercise intensity. <i>European Journal of Applied Physiology</i> , <b>2011</b> , 111, 1631-9   | 3-4 | 118 |
| 900 | Relevance of individual characteristics for thermoregulation during exercise in a hot-dry environment. <i>European Journal of Applied Physiology</i> , <b>2011</b> , 111, 2173-81                             | 3-4 | 13  |
| 899 | The influence of ice slurry ingestion on maximal voluntary contraction following exercise-induced hyperthermia. <i>European Journal of Applied Physiology</i> , <b>2011</b> , 111, 2517-24                    | 3-4 | 26  |
| 898 | Oral tyrosine supplementation improves exercise capacity in the heat. <i>European Journal of Applied Physiology</i> , <b>2011</b> , 111, 2941-50  | 3-4 | 40  |
| 897 | DEET insect repellent: effects on thermoregulatory sweating and physiological strain. <i>European Journal of Applied Physiology</i> , <b>2011</b> , 111, 3061-8   | 3-4 | 4   |
| 896 | No effect of caffeine on exercise performance in high ambient temperature. <i>European Journal of Applied Physiology</i> , <b>2011</b> , 111, 3089-95   | 3-4 | 44  |
| 895 | Effect of oligonol intake on cortisol and cytokines, and body temperature after leg immersion into hot water. <i>Food Science and Biotechnology</i> , <b>2011</b> , 20, 659-663                               | 3   | 5   |
| 894 | The effect of transportation suit induced heat stress on helicopter underwater escape preparation and task performance. <b>2011</b> , 42, 883-9   |     | 5   |
| 893 | Effects of exercise training on plasma cytokine and chemokine levels, and thermoregulation. <i>Journal of Thermal Biology</i> , <b>2011</b> , 36, 219-224   | 2.9 | 1   |
| 892 | Physiological responses to wearing a prototype firefighter ensemble compared with a standard ensemble. <b>2011</b> , 8, 49-57   |     | 19  |
| 891 | Subjective perceptions and ergonomics evaluation of a liquid cooled garment worn under protective ensemble during an intermittent treadmill exercise. <i>Ergonomics</i> , <b>2011</b> , 54, 626-35            | 2.9 | 24  |
| 890 | Test-retest reliability of Purdue Pegboard performance in thermoneutral and cold ambient conditions. <i>Ergonomics</i> , <b>2011</b> , 54, 1081-7   | 2.9 | 15  |
| 889 | Can the PHS model (ISO7933) predict reasonable thermophysiological responses while wearing protective clothing in hot environments?. <b>2011</b> , 32, 239-49   |     | 44  |

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|-----|---|-----|----|
| 888 | The effect of skin thermistor fixation method on weighted mean skin temperature. <b>2011</b> , 32, 1541-7   |     | 26 |
| 887 | Caffeine increases sweating sensitivity via changes in sudomotor activity during physical loading. <b>2011</b> , 14, 1448-55  |     | 18 |
| 886 | Warm-up affects diurnal variation in power output. <i>International Journal of Sports Medicine</i> , <b>2011</b> , 32, 185-9  | 3.6 | 26 |
| 885 | Volume-dependent response of precooling for intermittent-sprint exercise in the heat. <i>Medicine and Science in Sports and Exercise</i> , <b>2011</b> , 43, 1760-9   | 1.2 | 64 |
| 884 | Central and peripheral fatigue during passive and exercise-induced hyperthermia. <i>Medicine and Science in Sports and Exercise</i> , <b>2011</b> , 43, 1657-65   | 1.2 | 40 |
| 883 | Left ventricular systolic and diastolic function during tilt-table positioning and passive heat stress in humans. <b>2011</b> , 301, H599-608   |     | 27 |
| 882 | Thermotolerance and heat acclimation may share a common mechanism in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2011</b> , 301, R524-33   | 3.2 | 76 |
| 881 | Large differences in peak oxygen uptake do not independently alter changes in core temperature and sweating during exercise. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2011</b> , 301, R832-41 | 3.2 | 98 |
| 880 | Exercise-rest cycles do not alter local and whole body heat loss responses. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2011</b> , 300, R958-68  | 3.2 | 16 |
| 879 | Thermoregulation. <b>2011</b> , 157-178   |     | 3  |
| 878 | Sweating is greater in NCAA football linemen independently of heat production. <i>Medicine and Science in Sports and Exercise</i> , <b>2012</b> , 44, 244-52  | 1.2 | 29 |
| 877 | Face cooling with mist water increases cerebral blood flow during exercise: effect of changes in facial skin blood flow. <b>2012</b> , 3, 308   |     | 13 |
| 876 | Humidity and sleep: a review on thermal aspect. <b>2012</b> , 43, 439-457   |     | 12 |
| 875 | Effects of mixed-method cooling on recovery of medium-fast bowling performance in hot conditions on consecutive days. <b>2012</b> , 30, 1387-96   |     | 17 |
| 874 | Altered coronary vascular control during cold stress in healthy older adults. <b>2012</b> , 302, H312-8   |     | 31 |
| 873 | Exercise performance over the menstrual cycle in temperate and hot, humid conditions. <i>Medicine and Science in Sports and Exercise</i> , <b>2012</b> , 44, 2190-8   | 1.2 | 67 |
| 872 | Hemodynamic and thermoregulatory responses to lower body water immersion. <b>2012</b> , 83, 935-41  |     | 5  |
| 871 | Cardiovascular drift and Vo <sub>2</sub> max during cycling and walking in a temperate environment. <b>2012</b> , 83, 660-6   |     | 6  |

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| 870 | A dopamine/noradrenaline reuptake inhibitor improves performance in the heat, but only at the maximum therapeutic dose. <b>2012</b> , 22, e93-8   |     | 28  |
| 869 | Thermal imaging to assess age-related changes of skin temperature within the supraclavicular region co-locating with brown adipose tissue in healthy children. <b>2012</b> , 161, 892-8                 |     | 120 |
| 868 | Duration-dependant response of mixed-method pre-cooling for intermittent-sprint exercise in the heat. <i>European Journal of Applied Physiology</i> , <b>2012</b> , 112, 3655-66                        | 3.4 | 26  |
| 867 | Effects of heat acclimation on endurance capacity and prolactin response to exercise in the heat. <i>European Journal of Applied Physiology</i> , <b>2012</b> , 112, 4091-101                           | 3.4 | 24  |
| 866 | Cortisol and interleukin-6 responses during intermittent exercise in two different hot environments with equivalent WBGT. <b>2012</b> , 9, 269-79   |     | 8   |
| 865 | Regional distribution of thermal sensitivity to cold at rest and during mild exercise in males. <i>Journal of Thermal Biology</i> , <b>2012</b> , 37, 517-523   | 2.9 | 55  |
| 864 | Local sweating on the forehead, but not forearm, is influenced by aerobic fitness independently of heat balance requirements during exercise. <i>Experimental Physiology</i> , <b>2012</b> , 97, 572-82 | 2.4 | 32  |
| 863 | Oral administration of $\beta$ -aminobutyric acid affects heat production in a hot environment in resting humans. <b>2012</b> , 31, 3   |     | 7   |
| 862 | Pre-cooling with ice slurry ingestion leads to similar run times to exhaustion in the heat as cold water immersion. <b>2012</b> , 30, 155-65  |     | 99  |
| 861 | Physiological functions of the effects of the different bathing method on recovery from local muscle fatigue. <b>2012</b> , 31, 26  |     | 8   |
| 860 | Cerebrovascular and corticomotor function during progressive passive hyperthermia in humans. <i>Journal of Applied Physiology</i> , <b>2012</b> , 112, 748-58   | 3.7 | 52  |
| 859 | Effect of menstrual cycle phase on the ventilatory response to rising body temperature during exercise. <i>Journal of Applied Physiology</i> , <b>2012</b> , 113, 237-45                                | 3.7 | 20  |
| 858 | The role of aerobic fitness and exercise intensity on endurance performance in uncompensable heat stress conditions. <i>European Journal of Applied Physiology</i> , <b>2012</b> , 112, 1989-99         | 3.4 | 33  |
| 857 | Inert gas narcosis has no influence on thermo-tactile sensation. <i>European Journal of Applied Physiology</i> , <b>2012</b> , 112, 1929-35   | 3.4 | 1   |
| 856 | Influence of relative humidity on prolonged exercise capacity in a warm environment. <i>European Journal of Applied Physiology</i> , <b>2012</b> , 112, 2313-21   | 3.4 | 98  |
| 855 | Core temperatures during major abdominal surgery in patients warmed with new circulating-water garment, forced-air warming, or carbon-fiber resistive-heating system. <b>2012</b> , 26, 168-73          |     | 26  |
| 854 | Neuromuscular failure is unlikely to explain the early exercise cessation in hot ambient conditions. <b>2012</b> , 49, 853-65   |     | 27  |
| 853 | The effect of ageing and fitness on thermoregulatory response to high-intensity exercise. <b>2012</b> , 22, e29-37  |     | 15  |

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| 852 | A standard blood bank donation alters the thermal and cardiovascular responses during subsequent exercise. <b>2012</b> , 52, 2339-47  |     | 9  |
| 851 | Lemon (Citrus limon, Burm.f.) essential oil enhances the trans-epidermal release of lipid-(A, E) and water-(B6, C) soluble vitamins from topical emulsions in reconstructed human epidermis. <b>2012</b> , 34, 347-56 |     | 14 |
| 850 | Self-paced intermittent-sprint performance and pacing strategies following respective pre-cooling and heating. <i>European Journal of Applied Physiology</i> , <b>2012</b> , 112, 253-66                              | 3-4 | 23 |
| 849 | Deception of ambient and body core temperature improves self paced cycling in hot, humid conditions. <i>European Journal of Applied Physiology</i> , <b>2012</b> , 112, 377-85  | 3-4 | 27 |
| 848 | Thermal comfort modelling of body temperature and psychological variations of a human exercising in an outdoor environment. <b>2012</b> , 56, 21-32   |     | 44 |
| 847 | Dietary nucleotide improves markers of immune response to strenuous exercise under a cold environment. <b>2013</b> , 10, 20   |     | 2  |
| 846 | Pervasive and Mobile Sensing and Computing for Healthcare. <b>2013</b> ,  |     | 8  |
| 845 | Cognitive function and blood-brain barrier permeability during exercise in the heat: Effect of fitness and bovine colostrum supplementation. <i>Journal of Thermal Biology</i> , <b>2013</b> , 38, 374-383            | 2-9 | 5  |
| 844 | Three nights of sleep deprivation does not alter thermal strain during exercise in the heat. <i>European Journal of Applied Physiology</i> , <b>2013</b> , 113, 2353-60   | 3-4 | 16 |
| 843 | Acute oral administration of a tyrosine and phenylalanine-free amino acid mixture reduces exercise capacity in the heat. <i>European Journal of Applied Physiology</i> , <b>2013</b> , 113, 1511-22                   | 3-4 | 7  |
| 842 | The impact of a phase-change cooling vest on heat strain and the effect of different cooling pack melting temperatures. <i>European Journal of Applied Physiology</i> , <b>2013</b> , 113, 1223-31                    | 3-4 | 58 |
| 841 | Hypohydration and acute thermal stress affect mood state but not cognition or dynamic postural balance. <i>European Journal of Applied Physiology</i> , <b>2013</b> , 113, 1027-34                                    | 3-4 | 47 |
| 840 | Quantification of head sweating during rest and exercise in the heat. <i>European Journal of Applied Physiology</i> , <b>2013</b> , 113, 735-41   | 3-4 | 6  |
| 839 | Effect of precooling and acclimation on repeat-sprint performance in heat. <b>2013</b> , 31, 779-86   |     | 32 |
| 838 | The core interthreshold zone during exposure to red and blue light. <b>2013</b> , 32, 6   |     | 5  |
| 837 | Acute tryptophan depletion does not improve endurance cycling capacity in a warm environment. <b>2013</b> , 44, 983-91  |     | 6  |
| 836 | Exercising in a hot environment: which T-shirt to wear?. <b>2013</b> , 24, 211-20   |     | 10 |
| 835 | A comparison of hyperhydration versus ad libitum fluid intake strategies on measures of oxidative stress, thermoregulation, and performance. <b>2013</b> , 21, 305-17   |     | 17 |



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| 834 | Influence of heat stress and exercise intensity on vastus lateralis muscle and prefrontal cortex oxygenation. <i>European Journal of Applied Physiology</i> , <b>2013</b> , 113, 211-22                                     | 3.4 | 19  |
| 833 | Application of thermoregulatory modeling to predict core and skin temperatures in firefighters. <b>2013</b> , 43, 115-120   |     | 22  |
| 832 | Seasonal acclimatization to the hot summer over 60 days in the Republic of Korea suppresses sweating sensitivity during passive heating. <i>Journal of Thermal Biology</i> , <b>2013</b> , 38, 294-299                      | 2.9 | 12  |
| 831 | Heat acclimation affects circulating levels of prostaglandin E2, COX-2 and orexin in humans. <b>2013</b> , 542, 17-20   |     | 19  |
| 830 | Effects of moderate-intensity aerobic cycling and swim exercise on post-exertional blood pressure in healthy young untrained and triathlon-trained men and women. <b>2013</b> , 125, 543-53                                 |     | 15  |
| 829 | Do older firefighters show long-term adaptations to work in the heat?. <b>2013</b> , 10, 705-15   |     | 12  |
| 828 | Half-marathon running performance is not improved by a rate of fluid intake above that dictated by thirst sensation in trained distance runners. <i>European Journal of Applied Physiology</i> , <b>2013</b> , 113, 3011-20 | 3.4 | 60  |
| 827 | Human sensing using wearable wireless sensors for smart environments. <b>2013</b> ,   |     | 0   |
| 826 | Thermometry, calorimetry, and mean body temperature during heat stress. <b>2013</b> , 3, 1689-719   |     | 151 |
| 825 | Effects of rain on energy metabolism while running in a cold environment. <i>International Journal of Sports Medicine</i> , <b>2013</b> , 34, 707-11  | 3.6 | 10  |
| 824 | Thermoregulation and stress hormone recovery after exercise dehydration: comparison of rehydration methods. <b>2013</b> , 48, 725-33  |     | 5   |
| 823 | Cold drink attenuates heat strain during work-rest cycles. <i>International Journal of Sports Medicine</i> , <b>2013</b> , 34, 1037-42  | 3.6 | 19  |
| 822 | The underestimated compression effect of neoprene wetsuit on divers hydromineral homeostasis. <i>International Journal of Sports Medicine</i> , <b>2013</b> , 34, 1043-50   | 3.6 | 11  |
| 821 | Whole-body heat loss during exercise in the heat is not impaired in type 1 diabetes. <i>Medicine and Science in Sports and Exercise</i> , <b>2013</b> , 45, 1656-64   | 1.2 | 20  |
| 820 | Mild hypohydration decreases cycling performance in the heat. <i>Medicine and Science in Sports and Exercise</i> , <b>2013</b> , 45, 1782-9   | 1.2 | 37  |
| 819 | Older adults with type 2 diabetes store more heat during exercise. <i>Medicine and Science in Sports and Exercise</i> , <b>2013</b> , 45, 1906-14   | 1.2 | 52  |
| 818 | Muscle-damaging exercise increases heat strain during subsequent exercise heat stress. <i>Medicine and Science in Sports and Exercise</i> , <b>2013</b> , 45, 1915-24   | 1.2 | 35  |
| 817 | Wearing long pants while working outdoors in the tropics does not yield higher body temperatures. <b>2013</b> , 37, 70-5  |     | 8   |

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| 816 | Oligonol supplementation attenuates body temperature and the circulating levels of prostaglandin E2 and cyclooxygenase-2 after heat stress in humans. <b>2013</b> , 16, 318-23                        |     | 5   |
| 815 | The evaporative requirement for heat balance determines whole-body sweat rate during exercise under conditions permitting full evaporation. <i>Journal of Physiology</i> , <b>2013</b> , 591, 2925-35 | 3.9 | 134 |
| 814 | Validity and reliability of multiparameter physiological measurements recorded by the Equivital LifeMonitor during activities of various intensities. <b>2013</b> , 10, 78-85                         |     | 67  |
| 813 | The effect of ice slushy ingestion and mouthwash on thermoregulation and endurance performance in the heat. <b>2013</b> , 23, 458-69  |     | 43  |
| 812 | Regional changes in brain blood flow during severe passive hyperthermia: effects of PaCO2 and extracranial blood flow. <i>Journal of Applied Physiology</i> , <b>2013</b> , 115, 653-9                | 3.7 | 59  |
| 811 | Cognitive function during lower body water immersion and post-immersion afterdrop. <b>2013</b> , 84, 921-6  |     | 5   |
| 810 | Body fatness, body core temperature, and heat loss during moderate-intensity exercise. <b>2013</b> , 84, 1153-8   |     | 18  |
| 809 | Effect of evening postexercise cold water immersion on subsequent sleep. <i>Medicine and Science in Sports and Exercise</i> , <b>2013</b> , 45, 1394-402  | 1.2 | 26  |
| 808 | Effect of short-term heat acclimation on endurance time and skin blood flow in trained athletes. <b>2013</b> , 4, 161-70  |     | 30  |
| 807 | Effects of dry and mist saunas on circulatory and thermoregulatory functions in humans. <b>2013</b> , 05, 267-273   |     | 7   |
| 806 | Effects of various protective clothing and thermal environments on heat strain of unacclimated men: the PHS (predicted heat strain) model revisited. <b>2013</b> , 51, 266-74                         |     | 48  |
| 805 | Heat stress evaluation of two-layer chemical demilitarization ensembles with a full face negative pressure respirator. <b>2014</b> , 52, 304-12   |     | 4   |
| 804 | The effect of double-blind carbohydrate ingestion during 60 km of self-paced exercise in warm ambient conditions. <b>2014</b> , 9, e104710  |     | 6   |
| 803 | The effect of different environmental conditions on the decision-making performance of soccer goal line officials. <b>2014</b> , 22, 425-37   |     | 17  |
| 802 | The impact of submaximal exercise during heat and/or hypoxia on the cardiovascular and monocyte HSP72 responses to subsequent (post 24 h) exercise in hypoxia. <b>2014</b> , 3, 15                    |     | 16  |
| 801 | The influence of ice slushy on voluntary contraction force following exercise-induced hyperthermia. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2014</b> , 39, 781-6                     | 3   | 3   |
| 800 | Effect of air-filled vest on exercise-heat strain when wearing ballistic protection. <b>2014</b> , 58, 1057-64  |     | 4   |
| 799 | Running economy, not aerobic fitness, independently alters thermoregulatory responses during treadmill running. <i>Journal of Applied Physiology</i> , <b>2014</b> , 117, 1451-9                      | 3.7 | 29  |

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| 798 | Exposure to hot and cold environmental conditions does not affect the decision making ability of soccer referees following an intermittent sprint protocol. <b>2014</b> , 5, 185   |     | 12 |
| 797 | Passive heat loading links lipolysis and regulation of fibroblast growth factor-21 in humans. <i>Journal of Thermal Biology</i> , <b>2014</b> , 45, 163-7                          | 2.9 | 6  |
| 796 | Anthropometric characteristics and sex influence magnitude of skin cooling following exposure to whole body cryotherapy. <b>2014</b> , 2014, 628724                                |     | 17 |
| 795 | Physiological responses in Alpine skiers during on-snow training simulation in the cold. <i>International Journal of Sports Medicine</i> , <b>2014</b> , 35, 392-8                 | 3.6 | 3  |
| 794 | Do older adults experience greater thermal strain during heat waves?. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2014</b> , 39, 292-8                                | 3   | 37 |
| 793 | A Two-Stage Regression Using Bioimpedance and Temperature for Hydration Assessment During Sports. <b>2014</b> ,  |     | 2  |
| 792 | Ingestion of sodium plus water improves cardiovascular function and performance during dehydrating cycling in the heat. <b>2014</b> , 24, 507-18                                   |     | 20 |
| 791 | Voluntary muscle and motor cortical activation during progressive exercise and passively induced hyperthermia. <i>Experimental Physiology</i> , <b>2014</b> , 99, 136-48           | 2.4 | 31 |
| 790 | Diminished nitric oxide-dependent sweating in older males during intermittent exercise in the heat. <i>Experimental Physiology</i> , <b>2014</b> , 99, 921-32                      | 2.4 | 43 |
| 789 | Are circulating cytokine responses to exercise in the heat augmented in older men?. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2014</b> , 39, 117-23                 | 3   | 14 |
| 788 | Impact of skin temperature and hydration on plasma volume responses during exercise. <i>Journal of Applied Physiology</i> , <b>2014</b> , 117, 413-20                              | 3.7 | 17 |
| 787 | Dehydration affects cerebral blood flow but not its metabolic rate for oxygen during maximal exercise in trained humans. <i>Journal of Physiology</i> , <b>2014</b> , 592, 3143-60 | 3.9 | 62 |
| 786 | Failure of oral tyrosine supplementation to improve exercise performance in the heat. <i>Medicine and Science in Sports and Exercise</i> , <b>2014</b> , 46, 1417-25               | 1.2 | 17 |
| 785 | The incidence and prevention of hypothermia in newborn bonding after cesarean delivery: a randomized controlled trial. <b>2014</b> , 118, 997-1002                                 |     | 36 |
| 784 | Impairments in local heat loss in type 1 diabetes during exercise in the heat. <i>Medicine and Science in Sports and Exercise</i> , <b>2014</b> , 46, 2224-33                      | 1.2 | 37 |
| 783 | Precooling does not improve 2,000-m rowing performance of females in hot, humid conditions. <b>2014</b> , 28, 3416-24  |     | 6  |
| 782 | Maximum heat loss potential is lower in football linemen during an NCAA summer training camp because of lower self-generated air flow. <b>2014</b> , 28, 1656-63                   |     | 20 |
| 781 | The effects of a moisture-wicking fabric shirt on the physiological and perceptual responses during acute exercise in the heat. <b>2014</b> , 45, 1447-53                          |     | 19 |

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| 780 | Effect of postprandial thermogenesis on the cutaneous vasodilatory response during exercise. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2014</b> , 39, 920-6   | 3   | 5   |
| 779 | Reliability and validity of skin temperature measurement by telemetry thermistors and a thermal camera during exercise in the heat. <i>Journal of Thermal Biology</i> , <b>2014</b> , 45, 141-9                            | 2.9 | 49  |
| 778 | Do greater rates of body heat storage precede the accelerated reduction of self-paced exercise intensity in the heat?. <i>European Journal of Applied Physiology</i> , <b>2014</b> , 114, 2399-410                         | 3.4 | 12  |
| 777 | Short-term heat acclimation is effective and may be enhanced rather than impaired by dehydration. <b>2014</b> , 26, 311-20   |     | 66  |
| 776 | Beneficial effect of Oligonol supplementation on sweating response under heat stress in humans. <b>2014</b> , 5, 2516-20   |     | 2   |
| 775 | Considerations for the measurement of core, skin and mean body temperatures. <i>Journal of Thermal Biology</i> , <b>2014</b> , 46, 72-101  | 2.9 | 209 |
| 774 | Repeatability of physiological responses during two repeated protective clothing performance tests under identical test conditions. <b>2014</b> , 44, 793-799  |     | 2   |
| 773 | Experimental study and evaluation of the thermal environment for sleeping. <i>Building and Environment</i> , <b>2014</b> , 82, 546-555   | 6.5 | 25  |
| 772 | Bovine colostrum, training status, and gastrointestinal permeability during exercise in the heat: a placebo-controlled double-blind study. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2014</b> , 39, 1070-82 | 3   | 31  |
| 771 | Acute acetaminophen (paracetamol) ingestion improves time to exhaustion during exercise in the heat. <i>Experimental Physiology</i> , <b>2014</b> , 99, 164-71   | 2.4 | 31  |
| 770 | Effects of dawn simulation on markers of sleep inertia and post-waking performance in humans. <i>European Journal of Applied Physiology</i> , <b>2014</b> , 114, 1049-56   | 3.4 | 31  |
| 769 | Thermal sensitivity to warmth during rest and exercise: a sex comparison. <i>European Journal of Applied Physiology</i> , <b>2014</b> , 114, 1451-62   | 3.4 | 70  |
| 768 | Cold habituation does not improve manual dexterity during rest and exercise in 5°C. <b>2014</b> , 58, 383-94   |     | 7   |
| 767 | Plasma and lymphocyte Hsp72 responses to exercise in athletes with prior exertional heat illness. <b>2014</b> , 46, 1491-9   |     | 13  |
| 766 | Mouth rinsing improves cycling endurance performance during Ramadan fasting in a hot humid environment. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2014</b> , 39, 458-64                                     | 3   | 27  |
| 765 | The compression of perceived time in a hot environment depends on physiological and psychological factors. <b>2014</b> , 67, 197-208   |     | 24  |
| 764 | Exercise-heat acclimation in young and older trained cyclists. <b>2014</b> , 17, 677-82  |     | 26  |
| 763 | Physiological strain of stock car drivers during competitive racing. <i>Journal of Thermal Biology</i> , <b>2014</b> , 44, 20-6  | 2.9 | 20  |

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| 762 | Cold-water immersion decreases cerebral oxygenation but improves recovery after intermittent-sprint exercise in the heat. <b>2014</b> , 24, 656-66              |     | 40 |
| 761 | Brown adipose tissue: what have we learned since its recent identification in human adults. <b>2014</b> , 58, 889-99  |     | 15 |
| 760 | Effect of recovery interventions on cycling performance and pacing strategy in the heat. <b>2014</b> , 9, 240-8   |     | 6  |
| 759 | The influence of hot humid and hot dry environments on intermittent-sprint exercise performance. <b>2014</b> , 9, 387-96  |     | 16 |
| 758 | Increasing humidity affects thermoregulation during low-intensity exercise in women. <b>2014</b> , 85, 905-11   |     | 10 |
| 757 | Thermoregulatory responses are attenuated after fructose but not glucose intake. <i>Medicine and Science in Sports and Exercise</i> , <b>2014</b> , 46, 1452-61 | 1.2 | 6  |
| 756 | Increasing relative humidity impacts low-intensity exercise in the heat. <b>2014</b> , 85, 112-9  |     | 17 |
| 755 | Influence of contrast shower and water immersion on recovery in elite netballers. <b>2014</b> , 28, 2353-8  |     | 13 |
| 754 | Reliability of intestinal temperature using an ingestible telemetry pill system during exercise in a hot environment. <b>2014</b> , 28, 861-9                   |     | 10 |
| 753 | Use of infrared thermography in children with shock: A case series. <b>2014</b> , 2, 2050313X14561779   |     | 4  |
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| 751 | Influence of exercise training with thigh compression on heat-loss responses. <b>2015</b> , 25 Suppl 1, 173-82  |     | 1  |
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| 749 | Automatic Prediction and Detection of Affect State Based on Invariant Human Computer Interaction and Human Physiological Response. <b>2015</b> ,                |     | 1  |
| 748 | Rebreather Unit to Prolong Underwater Survival Time. <b>2015</b> , 86, 1028-33  |     | 0  |
| 747 | Fluid Replacement Attenuates Physiological Strain Resulting From Mild Hypohydration Without Impacting Cognitive Performance. <b>2015</b> , 25, 439-47           |     | 9  |
| 746 | Thermoregulation during intermittent exercise in athletes with a spinal-cord injury. <b>2015</b> , 10, 469-75   |     | 39 |
| 745 | Whole-body cryotherapy's enhancement of acute recovery of running performance in well-trained athletes. <b>2015</b> , 10, 605-12                                |     | 21 |

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| 744 | The effects of acute versus chronic training status on pacing strategies of older men in a hot, humid environment. <i>Journal of Thermal Biology</i> , <b>2015</b> , 53, 125-34  | 2.9 | 1  |
| 743 | Self-Sealing and Puncture Resistant Breathable Membranes for Water-Evaporation Applications. <b>2015</b> , 27, 6620-4  |     | 59 |
| 742 | Does type 1 diabetes alter post-exercise thermoregulatory and cardiovascular function in young adults?. <b>2015</b> , 25, e504-14  |     | 11 |
| 741 | Whole-body heat exchange during heat acclimation and its decay. <i>Medicine and Science in Sports and Exercise</i> , <b>2015</b> , 47, 390-400   | 1.2 | 47 |
| 740 | Effect of Practical Precooling on Neuromuscular Function and 5-km Time-Trial Performance in Hot, Humid Conditions Among Well-Trained Male Runners. <b>2015</b> , 29, 1925-36   |     | 11 |
| 739 | Next-generation Sequencing of RYR1 and CACNA1S in Malignant Hyperthermia and Exertional Heat Illness. <b>2015</b> , 122, 1033-46   |     | 43 |
| 738 | Does the technique employed for skin temperature assessment alter outcomes? A systematic review. <b>2015</b> , 36, R27-51  |     | 21 |
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| 736 | The effects of ice vest pre-cooling on skin blood flow at rest and during exercise in the heat. <b>2015</b> , 4,   |     | 3  |
| 735 | At what level of heat load are age-related impairments in the ability to dissipate heat evident in females?. <b>2015</b> , 10, e0119079  |     | 38 |
| 734 | Neck-cooling improves repeated sprint performance in the heat. <b>2015</b> , 6, 314  |     | 21 |
| 733 | Simulated Firefighting Task Performance and Physiology Under Very Hot Conditions. <b>2015</b> , 6, 322   |     | 11 |
| 732 | Thermal and Cardiovascular Strain Mitigate the Potential Benefit of Carbohydrate Mouth Rinse During Self-Paced Exercise in the Heat. <b>2015</b> , 6, 354  |     | 9  |
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| 730 | Forearm cutaneous vascular and sudomotor responses to whole body passive heat stress in young smokers. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2015</b> , 309, R36-42 | 3.2 | 9  |
| 729 | Two nights of sleep deprivation with or without energy restriction does not impair the thermal response to cold. <i>European Journal of Applied Physiology</i> , <b>2015</b> , 115, 2059-68                                  | 3.4 | 7  |
| 728 | Self-paced exercise in hot and cool conditions is associated with the maintenance of %V O <sub>2</sub> peak within a narrow range. <i>Journal of Applied Physiology</i> , <b>2015</b> , 118, 1258-65                         | 3.7 | 40 |
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| 726 | Tactile cues significantly modulate the perception of sweat-induced skin wetness independently of the level of physical skin wetness. <b>2015</b> , 113, 3462-73  |     | 21 |
| 725 | Dehydration accelerates reductions in cerebral blood flow during prolonged exercise in the heat without compromising brain metabolism. <b>2015</b> , 309, H1598-607   |     | 36 |
| 724 | Repeat work bouts increase thermal strain for Australian firefighters working in the heat. <b>2015</b> , 21, 285-93   |     | 27 |
| 723 | Acute Hypobaric Hypoxia Effects on Finger Temperature During and After Local Cold Exposure. <b>2015</b> , 16, 244-50  |     | 13 |
| 722 | The effect of using different regions of interest on local and mean skin temperature. <i>Journal of Thermal Biology</i> , <b>2015</b> , 49-50, 33-8   | 2.9 | 25 |
| 721 | Effects of normobaric hypoxic bed rest on the thermal comfort zone. <i>Journal of Thermal Biology</i> , <b>2015</b> , 49-50, 39-46  | 2.9 | 13 |
| 720 | Effects of obesity on body temperature in otherwise-healthy females when controlling hydration and heat production during exercise in the heat. <i>European Journal of Applied Physiology</i> , <b>2015</b> , 115, 167-76 <sup>†</sup>    | 3.4 | 20 |
| 719 | Aging impairs heat loss, but when does it matter?. <i>Journal of Applied Physiology</i> , <b>2015</b> , 118, 299-309  | 3.7 | 63 |
| 718 | Isothermic and fixed intensity heat acclimation methods induce similar heat adaptation following short and long-term timescales. <i>Journal of Thermal Biology</i> , <b>2015</b> , 49-50, 55-65   | 2.9 | 72 |
| 717 | Effect of tyrosine ingestion on cognitive and physical performance utilising an intermittent soccer performance test (iSPT) in a warm environment. <i>European Journal of Applied Physiology</i> , <b>2015</b> , 115, 373-86 <sup>†</sup> | 3.4 | 20 |
| 716 | Prediction of performance reduction in self-paced exercise as modulated by the rating of perceived exertion. <i>European Journal of Applied Physiology</i> , <b>2015</b> , 115, 675-90  | 3.4 | 3  |
| 715 | Repeated muscle damage blunts the increase in heat strain during subsequent exercise heat stress. <i>European Journal of Applied Physiology</i> , <b>2015</b> , 115, 1577-88  | 3.4 | 8  |
| 714 | Rain influences the physiological and metabolic responses to exercise in hot conditions. <b>2015</b> , 33, 892-8  |     | 2  |
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| 712 | Thermal performance trials on the habitability of private bushfire shelters: part 1. <b>2015</b> , 59, 983-93   |     | 2  |
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| 709 | Reducing heat stress under thermal insulation in protective clothing: microclimate cooling by a 'physiological' method. <i>Ergonomics</i> , <b>2015</b> , 58, 1461-9  | 2.9 | 13 |

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| 708 | The effects of evening bright light exposure on subsequent morning exercise performance. <i>International Journal of Sports Medicine</i> , <b>2015</b> , 36, 101-6                             | 3.6 | 7  |
| 707 | Low-frequency electrical stimulation combined with a cooling vest improves recovery of elite kayakers following a simulated 1000-m race in a hot environment. <b>2015</b> , 25 Suppl 1, 219-28 |     | 2  |
| 706 | Repeatability of a running heat tolerance test. <i>Journal of Thermal Biology</i> , <b>2015</b> , 49-50, 91-7  | 2.9 | 16 |
| 705 | Using air movement for comfort during moderate exercise. <i>Building and Environment</i> , <b>2015</b> , 94, 344-352   | 6.5 | 39 |
| 704 | Modelling the physiological strain and physical burden of chemical protective coveralls. <i>Ergonomics</i> , <b>2015</b> , 58, 2016-31   | 2.9 | 8  |
| 703 | Effects of fabrics with dynamic moisture transfer properties on skin temperature in females during exercise and recovery. <b>2015</b> , 85, 2030-2039  |     | 11 |
| 702 | Physiological cost and thermal envelope: a novel approach to cycle garment evaluation during a representative protocol. <b>2015</b> , 25, 152-8  |     | 7  |
| 701 | A reliable preloaded cycling time trial for use in conditions of significant thermal stress. <b>2015</b> , 25 Suppl 1, 296-301   |     | 5  |
| 700 | Acute acetaminophen ingestion does not alter core temperature or sweating during exercise in hot-humid conditions. <b>2015</b> , 25 Suppl 1, 96-103  |     | 10 |
| 699 | Physiological responses to incremental exercise in the heat following internal and external precooling. <b>2015</b> , 25 Suppl 1, 190-9  |     | 25 |
| 698 | Heat stress exacerbates the reduction in middle cerebral artery blood velocity during prolonged self-paced exercise. <b>2015</b> , 25 Suppl 1, 135-44  |     | 23 |
| 697 | A comparison of males and females' temporal patterning to short- and long-term heat acclimation. <b>2015</b> , 25 Suppl 1, 250-8   |     | 43 |
| 696 | Temperature Measurement Inside Protective Headgear: Comparison With Core Temperatures and Indicators of Physiological Strain During Exercise in a Hot Environment. <b>2015</b> , 12, 866-74    |     | 3  |
| 695 | Oligonol supplementation modulates plasma volume and osmolality and sweating after heat load in humans. <b>2015</b> , 18, 578-83   |     |    |
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| 692 | Electrolyte supplementation during severe energy restriction increases exercise capacity in the heat. <i>European Journal of Applied Physiology</i> , <b>2015</b> , 115, 2621-9                | 3.4 | 11 |
| 691 | Dietary nitrate reduces the O <sub>2</sub> cost of desert marching but elevates the rise in core temperature. <i>European Journal of Applied Physiology</i> , <b>2015</b> , 115, 2557-69       | 3.4 | 22 |



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| 690 | Effects of heat acclimation on time perception. <b>2015</b> , 95, 261-9   |     | 13 |
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| 688 | Exercise in a hot environment influences plasma anti-inflammatory and antioxidant status in well-trained athletes. <i>Journal of Thermal Biology</i> , <b>2015</b> , 47, 91-8   | 2.9 | 26 |
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| 686 | Effects of seasonal illumination and thermal environments on sleep in elderly men. <i>Building and Environment</i> , <b>2015</b> , 88, 82-88                                    | 6.5 | 26 |
| 685 | Current hydration guidelines are erroneous: dehydration does not impair exercise performance in the heat. <b>2015</b> , 49, 1077-83   |     | 60 |
| 684 | Increased levels of FFA during passive heat loading after a 2-week repeated heat load in Koreans. <b>2015</b> , 59, 473-5   |     | 7  |
| 683 | The effect of body mass index on perioperative thermoregulation. <b>2016</b> , 12, 1717-1720  |     | 7  |
| 682 | Effect of Permissive Dehydration on Induction and Decay of Heat Acclimation, and Temperate Exercise Performance. <b>2016</b> , 7, 564   |     | 35 |
| 681 | Effect of Acetaminophen Ingestion on Thermoregulation of Normothermic, Non-febrile Humans. <b>2016</b> , 7, 54  |     | 15 |
| 680 | Hot and Hypoxic Environments Inhibit Simulated Soccer Performance and Exacerbate Performance Decrements When Combined. <b>2015</b> , 6, 421                                     |     | 25 |
| 679 | Seasonal acclimation in sudomotor function evaluated by QSART in healthy humans. <b>2016</b> , 20, 499-505  |     | 4  |
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| 677 | Ice Slurry Ingestion Leads to a Lower Net Heat Loss during Exercise in the Heat. <i>Medicine and Science in Sports and Exercise</i> , <b>2016</b> , 48, 114-22                  | 1.2 | 46 |
| 676 | Exercise training reduces the frequency of menopausal hot flushes by improving thermoregulatory control. <b>2016</b> , 23, 708-18   |     | 23 |
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| 674 | Performance and Pacing during Cycle Exercise in Hyperthermic and Hypoxic Conditions. <i>Medicine and Science in Sports and Exercise</i> , <b>2016</b> , 48, 845-53              | 1.2 | 31 |
| 673 | Altered thermoregulatory responses in heart failure patients exercising in the heat. <i>Physiological Reports</i> , <b>2016</b> , 4, e13022                                     | 2.6 | 16 |

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| 672 | Sex-related differences in attention and memory. <b>2016</b> , 52, 372-377   |     | 11 |
| 671 | Physiological and perceptual effects of precooling in wheelchair basketball athletes. <b>2016</b> , 39, 671-678  |     | 12 |
| 670 | Effects of obesity and mild hypohydration on local sweating and cutaneous vascular responses during passive heat stress in females. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2016</b> , 41, 879-87 | 3   | 8  |
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| 666 | Temperature and blood flow distribution in the human leg during passive heat stress. <i>Journal of Applied Physiology</i> , <b>2016</b> , 120, 1047-58   | 3.7 | 33 |
| 665 | Thermal sensation during mild hyperthermia is modulated by acute postural change in humans. <b>2016</b> , 60, 1925-1932  |     | 3  |
| 664 | A Comparison of 2 Practical Cooling Methods on Cycling Capacity in the Heat. <b>2016</b> , 51, 525-32  |     | 16 |
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| 661 | Maximal workload but not peak oxygen uptake is decreased during immersed incremental exercise at cooler temperatures. <i>European Journal of Applied Physiology</i> , <b>2016</b> , 116, 1819-27                   | 3.4 | 9  |
| 660 | Effect of stride frequency on thermoregulatory responses during endurance running in distance runners. <i>Journal of Thermal Biology</i> , <b>2016</b> , 61, 61-66   | 2.9 | 2  |
| 659 | Evaluating Warm-Up Strategies for Elite Sprint Breaststroke Swimming Performance. <b>2016</b> , 11, 975-978  |     | 3  |
| 658 | A Survey of Wearable Biometric Recognition Systems. <b>2016</b> , 49, 1-35   |     | 72 |
| 657 | Ischaemic preconditioning does not alter the determinants of endurance running performance in the heat. <i>European Journal of Applied Physiology</i> , <b>2016</b> , 116, 1735-45                                 | 3.4 | 12 |
| 656 | Local versus whole-body sweating adaptations following 14 days of traditional heat acclimation. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2016</b> , 41, 816-24                                     | 3   | 19 |
| 655 | The effects of a heat acclimation protocol in persons with spinal cord injury. <i>Journal of Thermal Biology</i> , <b>2016</b> , 62, 56-62   | 2.9 | 14 |

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| 654 | Warming before and after epidural block before general anaesthesia for major abdominal surgery prevents perioperative hypothermia: A randomised controlled trial. <b>2016</b> , 33, 334-40                          |     | 29 |
| 653 | A Catecholamine Precursor Does Not Influence Exercise Performance in Warm Conditions. <i>Medicine and Science in Sports and Exercise</i> , <b>2016</b> , 48, 536-42   | 1.2 | 2  |
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| 651 | Repeated Warm Water Immersion Induces Similar Cerebrovascular Adaptations to 8 Weeks of Moderate-Intensity Exercise Training in Females. <i>International Journal of Sports Medicine</i> , <b>2016</b> , 37, 757-65 | 3.6 | 31 |
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| 649 | Assessing the performance of a conceptual tight-fitting body mapping sportswear (BMS) kit in a warm dry environment. <b>2016</b> , 17, 151-159  |     | 6  |
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| 646 | Lower thermal sensation in normothermic and mildly hyperthermic older adults. <i>European Journal of Applied Physiology</i> , <b>2016</b> , 116, 975-84   | 3.4 | 6  |
| 645 | Sex differences in age-related changes on peripheral warm and cold innocuous thermal sensitivity. <b>2016</b> , 164, 86-92  |     | 26 |
| 644 | Post-exercise hot water immersion induces heat acclimation and improves endurance exercise performance in the heat. <b>2016</b> , 26, 745-54  |     | 61 |
| 643 | Heated jackets and dryland-based activation exercises used as additional warm-ups during transition enhance sprint swimming performance. <b>2016</b> , 19, 354-8  |     | 16 |
| 642 | Thirst responses following high intensity intermittent exercise when access to ad libitum water intake was permitted, not permitted or delayed. <b>2016</b> , 157, 47-54  |     | 3  |
| 641 | Cryotherapy-Induced Persistent Vasoconstriction After Cutaneous Cooling: Hysteresis Between Skin Temperature and Blood Perfusion. <b>2016</b> , 138, 4032126  |     | 15 |
| 640 | Effect of cardboard under a sleeping bag on sleep stages during daytime nap. <b>2016</b> , 54, 27-32  |     | 4  |
| 639 | Physiologic and performance effects of sago supplementation before and during cycling in a warm-humid environment. <i>Temperature</i> , <b>2016</b> , 3, 318-327  | 5.2 | 3  |
| 638 | Effects of mild hypohydration on cooling during cold-water immersion following exertional hyperthermia. <i>European Journal of Applied Physiology</i> , <b>2016</b> , 116, 687-95                                   | 3.4 | 3  |
| 637 | Swim performance and thermoregulatory effects of wearing clothing in a simulated cold-water survival situation. <i>European Journal of Applied Physiology</i> , <b>2016</b> , 116, 759-67                           | 3.4 | 25 |

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| 636 | Physiologic and fit factor profiles of N95 and P100 filtering facepiece respirators for use in hot, humid environments. <b>2016</b> , 44, 194-8   |     | 29 |
| 635 | Acute L-arginine supplementation has no effect on cardiovascular or thermoregulatory responses to rest, exercise, and recovery in the heat. <i>European Journal of Applied Physiology</i> , <b>2016</b> , 116, 363-71 | 3-4 | 3  |
| 634 | Hybrid cooling clothing to improve thermal comfort of office workers in a hot indoor environment. <i>Building and Environment</i> , <b>2016</b> , 100, 92-101   | 6.5 | 46 |
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| 632 | Exercise in personal protective equipment in a hot, humid environment does not affect risk propensity. <i>Temperature</i> , <b>2016</b> , 3, 262-270  | 5.2 | 5  |
| 631 | Revisiting an overlooked parameter in thermal comfort studies, the metabolic rate. <i>Energy and Buildings</i> , <b>2016</b> , 118, 152-159   | 7   | 67 |
| 630 | Head temperature modulates thermal behavior in the cold in humans. <i>Temperature</i> , <b>2016</b> , 3, 298-306  | 5.2 | 12 |
| 629 | Study on an improved bio-electrode made with glucose oxidase immobilized mesoporous carbon in biofuel cells. <b>2016</b> , 6, 24451-24457   |     | 8  |
| 628 | Comparison of estimated core body temperature measured with the BioHarness and rectal temperature under several heat stress conditions. <b>2016</b> , 13, 612-20  |     | 11 |
| 627 | The contribution of sensory nerves to the onset threshold for cutaneous vasodilatation during gradual local skin heating of the forearm and leg. <b>2016</b> , 105, 1-6   |     | 8  |
| 626 | Indoor climate and thermal physiological adaptation: Evidences from migrants with different cold indoor exposures. <i>Building and Environment</i> , <b>2016</b> , 98, 30-38  | 6.5 | 70 |
| 625 | Thermal and cardiovascular strain imposed by motorcycle protective clothing under Australian summer conditions. <i>Ergonomics</i> , <b>2016</b> , 59, 504-13  | 2.9 | 2  |
| 624 | Effect of passive heat stress on arterial stiffness in smokers versus non-smokers. <b>2016</b> , 60, 499-506  |     | 11 |
| 623 | Running mechanical alterations during repeated treadmill sprints in hot versus hypoxic environments. A pilot study. <b>2016</b> , 34, 1190-8  |     | 11 |
| 622 | Evaluating the physiological and perceptual responses of wearing a newly designed construction work uniform. <b>2016</b> , 86, 659-673  |     | 21 |
| 621 | Effectiveness of a newly designed construction uniform for heat strain attenuation in a hot and humid environment. <b>2017</b> , 58, 555-565  |     | 12 |
| 620 | Pre-cooling moderately enhances visual discrimination during exercise in the heat. <b>2017</b> , 35, 355-360  |     | 11 |
| 619 | Influence of cold-water immersion on limb blood flow after resistance exercise. <i>European Journal of Sport Science</i> , <b>2017</b> , 17, 519-529  | 3.9 | 22 |

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| 617 | Individualising the exposure of -110°C whole body cryotherapy: The effects of sex and body composition. <i>Journal of Thermal Biology</i> , <b>2017</b> , 65, 41-47   | 2.9 | 25 |
| 616 | The effect of passive heating on heat shock protein 70 and interleukin-6: A possible treatment tool for metabolic diseases?. <i>Temperature</i> , <b>2017</b> , 4, 292-304  | 5.2 | 34 |
| 615 | The effect of temperature, gradient, and load carriage on oxygen consumption, posture, and gait characteristics. <i>European Journal of Applied Physiology</i> , <b>2017</b> , 117, 417-430   | 3.4 | 14 |
| 614 | Integrating a human thermoregulatory model with a clothing model to predict core and skin temperatures. <b>2017</b> , 61, 168-177   |     | 12 |
| 613 | Passive heat acclimation improves skeletal muscle contractility in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2017</b> , 312, R101-R107                                       | 3.2 | 32 |
| 612 | In-Play Cooling Interventions for Simulated Match-Play Tennis in Hot/Humid Conditions. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 991-998   | 1.2 | 23 |
| 611 | Physiological Evaluation of Personal Protective Ensembles Recommended for Use in West Africa. <b>2017</b> , 11, 580-586   |     | 20 |
| 610 | Oral L-menthol reduces thermal sensation, increases work-rate and extends time to exhaustion, in the heat at a fixed rating of perceived exertion. <i>European Journal of Applied Physiology</i> , <b>2017</b> , 117, 1501-1512           | 3.4 | 35 |
| 609 | Whole body hyperthermia, but not skin hyperthermia, accelerates brain and locomotor limb circulatory strain and impairs exercise capacity in humans. <i>Physiological Reports</i> , <b>2017</b> , 5, e13108                               | 2.6 | 13 |
| 608 | Influence of Clothing on Thermoregulation and Comfort During Exercise in the Heat. <b>2017</b> , 31, 3435-3443  |     | 7  |
| 607 | The mechanisms underlying the muscle metaboreflex modulation of sweating and cutaneous blood flow in passively heated humans. <i>Physiological Reports</i> , <b>2017</b> , 5, e13123  | 2.6 | 5  |
| 606 | Evidence for Adrenergic modulation of sweating during incremental exercise in habitually trained males. <i>Journal of Applied Physiology</i> , <b>2017</b> , 123, 182-189   | 3.7 | 13 |
| 605 | Effects of Mental Fatigue on Endurance Performance in the Heat. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 1677-1687  | 1.2 | 34 |
| 604 | Cardiovascular Drift during Training for Fitness in Patients with Metabolic Syndrome. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 518-526  | 1.2 | 7  |
| 603 | Sustained increases in skin blood flow are not a prerequisite to initiate sweating during passive heat exposure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2017</b> , 313, R140-R148 | 3.2 | 4  |
| 602 | Comparison of density and output of sweat gland in tropical Africans and temperate Koreans. <b>2017</b> , 205, 67-71  |     | 12 |
| 601 | Effects of 10 days of separate heat and hypoxic exposure on heat acclimation and temperate exercise performance. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2017</b> , 313, R191-R201 | 3.2 | 30 |

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| 600 | Defining the determinants of endurance running performance in the heat. <i>Temperature</i> , <b>2017</b> , 4, 314-329.   | 3.2 | 12 |
| 599 | Effect of passive heat stress and exercise in the heat on arterial stiffness. <i>European Journal of Applied Physiology</i> , <b>2017</b> , 117, 1679-1687   | 3.4 | 7  |
| 598 | Effects of cooling before and during simulated match play on thermoregulatory responses of athletes with tetraplegia. <b>2017</b> , 20, 819-824  |     | 18 |
| 597 | Effect of a moderate caffeine dose on endurance cycle performance and thermoregulation during prolonged exercise in the heat. <b>2017</b> , 20, 1024-1028  |     | 13 |
| 596 | Prescribed Drinking Leads to Better Cycling Performance than Ad Libitum Drinking. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 1244-1251   | 1.2 | 21 |
| 595 | Whole body precooling attenuates the extracellular HSP72, IL-6 and IL-10 responses after an acute bout of running in the heat. <b>2018</b> , 36, 414-421   |     | 13 |
| 594 | Thermoregulatory responses to exercise at a fixed rate of heat production are not altered by acute hypoxia. <i>Journal of Applied Physiology</i> , <b>2017</b> , 122, 1198-1207  | 3.7 | 5  |
| 593 | Effects of body-mapping-designed clothing on heat stress and running performance in a hot environment. <i>Ergonomics</i> , <b>2017</b> , 60, 1435-1444   | 2.9 | 7  |
| 592 | 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> , <b>2017</b> , 595, 2823-2837 | 3.9 | 52 |
| 591 | The effect of a Live-high Train-high exercise regimen on behavioural temperature regulation. <i>European Journal of Applied Physiology</i> , <b>2017</b> , 117, 255-265  | 3.4 |    |
| 590 | Desensitization of menthol-activated cold receptors in lower extremities during local cooling in young women with a cold constitution. <b>2017</b> , 67, 331-337   |     | 5  |
| 589 | Physiological and perceptual effects of a cooling garment during simulated industrial work in the heat. <b>2017</b> , 59, 442-448  |     | 15 |
| 588 | Comparison of heat strain recovery in different anti-heat stress clothing ensembles after work to exhaustion. <i>Journal of Thermal Biology</i> , <b>2017</b> , 69, 311-318  | 2.9 | 2  |
| 587 | Aging Impairs Whole-Body Heat Loss in Women under Both Dry and Humid Heat Stress. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 2324-2332   | 1.2 | 17 |
| 586 | Experimental study on using PCMs of different melting temperatures in one cooling vest to reduce its weight and improve comfort. <i>Energy and Buildings</i> , <b>2017</b> , 155, 533-545                                | 7   | 16 |
| 585 | Effects of prolonged running in the heat and cool environments on selected physiological parameters and salivary lysozyme responses. <b>2017</b> , 15, 63-69   |     | 4  |
| 584 | The role of shear stress on cutaneous microvascular endothelial function in humans. <i>European Journal of Applied Physiology</i> , <b>2017</b> , 117, 2457-2468   | 3.4 | 15 |
| 583 | Time-of-day effects of exposure to solar radiation on thermoregulation during outdoor exercise in the heat. <b>2017</b> , 34, 1224-1238  |     | 20 |

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| 582 | Human responses to the air relative humidity ramps: A chamber study. <i>Building and Environment</i> , <b>2017</b> , 123, 458-468  | 6.5 | 17 |
| 581 | Evaluating the Physiological and Perceptual Responses of Wearing a Newly Designed Cooling Vest for Construction Workers. <b>2017</b> , 61, 883-901   |     | 11 |
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| 579 | Time-motion analysis as a novel approach for evaluating the impact of environmental heat exposure on labor loss in agriculture workers. <i>Temperature</i> , <b>2017</b> , 4, 330-340                    | 5.2 | 51 |
| 578 | Acetaminophen (Paracetamol) Induces Hypothermia During Acute Cold Stress. <b>2017</b> , 37, 1055-1065  |     | 10 |
| 577 | Changes in lung function during exercise are independently mediated by increases in deep body temperature. <b>2017</b> , 3, e000210  |     | 5  |
| 576 | Effect of Physical Load on Aerobic Exercise Performance during Heat Stress. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 2570-2577   | 1.2 | 2  |
| 575 | Are All Heat Loads Created Equal?. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 1796-1804  | 1.2 | 9  |
| 574 | Between-day reliability of local thermal hyperemia in the forearm and index finger using single-point laser Doppler flowmetry. <b>2017</b> , 24, e12395  |     | 7  |
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| 571 | Effects of a phase change cooling garment during exercise in the heat. <i>European Journal of Sport Science</i> , <b>2017</b> , 17, 1065-1073  | 3.9 | 3  |
| 570 | Heat acclimation has a protective effect on the central but not peripheral nervous system. <i>Journal of Applied Physiology</i> , <b>2017</b> , 123, 816-824   | 3.7 | 23 |
| 569 | Photobiomodulation of human dermal fibroblasts in vitro: decisive role of cell culture conditions and treatment protocols on experimental outcome. <b>2017</b> , 7, 2797                                 |     | 26 |
| 568 | Evidence of viscerally-mediated cold-defence thermoeffector responses in man. <i>Journal of Physiology</i> , <b>2017</b> , 595, 1201-1212  | 3.9 | 12 |
| 567 | Dopamine/noradrenaline reuptake inhibition in women improves endurance exercise performance in the heat. <b>2017</b> , 27, 1221-1230   |     | 10 |
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| 564 | Short-term heat acclimation improves the determinants of endurance performance and 5-km running performance in the heat. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2017</b> , 42, 285-294 | 3   | 31 |
| 563 | Separate and combined effects of exposure to heat stress and mental fatigue on endurance exercise capacity in the heat. <i>European Journal of Applied Physiology</i> , <b>2017</b> , 117, 119-129       | 3-4 | 18 |
| 562 | Effects of caffeine on endurance capacity and psychological state in young females and males exercising in the heat. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2017</b> , 42, 68-76       | 3   | 12 |
| 561 | Warm hands, cold heart: progressive whole-body cooling increases warm thermosensitivity of human hands and feet in a dose-dependent fashion. <i>Experimental Physiology</i> , <b>2017</b> , 102, 100-112 | 2-4 | 13 |
| 560 | Effect of hypohydration on thermoregulatory responses in men with low and high body fat exercising in the heat. <i>Journal of Applied Physiology</i> , <b>2017</b> , 122, 142-152                        | 3-7 | 8  |
| 559 | The biophysical and physiological basis for mitigated elevations in heart rate with electric fan use in extreme heat and humidity. <b>2017</b> , 61, 313-323   |     | 9  |
| 558 | Practical Cooling Strategies During Continuous Exercise in Hot Environments: A Systematic Review and Meta-Analysis. <b>2017</b> , 47, 517-532  |     | 30 |
| 557 | Effect of hand cooling on body temperature, cardiovascular and perceptual responses during recumbent cycling in a hot environment. <b>2017</b> , 35, 1466-1474   |     | 8  |
| 556 | Effect of ad Libitum Ice-Slurry and Cold-Fluid Ingestion on Cycling Time-Trial Performance in the Heat. <b>2017</b> , 12, 99-105   |     | 9  |
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| 554 | Morning Exercise: Enhancement of Afternoon Sprint-Swimming Performance. <b>2017</b> , 12, 605-611  |     | 8  |
| 553 | Increased Thermoregulatory Strain When Wearing an Upper Body Compression Garment During Moderate Exercise in Trained Older Adults. <b>2017</b> , 25, 134-139   |     | 1  |
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| 551 | The Effects of Simulated Wildland Firefighting Tasks on Core Temperature and Cognitive Function under Very Hot Conditions. <b>2017</b> , 8, 815  |     | 14 |
| 550 | Poorer Intermittent Sprints Performance in Ramadan-Fasted Muslim Footballers despite Controlling for Pre-Exercise Dietary Intake, Sleep and Training Load. <b>2017</b> , 5,                              |     | 15 |
| 549 | Neck Cooling Improves Table Tennis Performance amongst Young National Level Players. <b>2017</b> , 5,  |     | 6  |
| 548 | Influence of Rest on Players' Performance and Physiological Responses during Basketball Play. <b>2017</b> , 5,   |     | 5  |
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| 546 | Effectiveness of Ice-Sheet Cooling Following Exertional Hyperthermia. <b>2017</b> , 182, e1951-e1957  |     | 11 |
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| 543 | Effect of exercise in air-conditioned and non-air-conditioned environment in cardiac autonomic control. <i>Journal of Sports Medicine and Physical Fitness</i> , <b>2017</b> , 57, 1080-1081  | 1.4 |    |
| 542 | Practical pre-cooling methods for occupational heat exposure. <b>2018</b> , 70, 26-33   |     | 19 |
| 541 | Evaluation of a novel oxiconazole nitrate formulation: The thermosensitive gel. <b>2018</b> , 26, 665-672   |     | 4  |
| 540 | Dehydration Impairs Cycling Performance, Independently of Thirst: A Blinded Study. <i>Medicine and Science in Sports and Exercise</i> , <b>2018</b> , 50, 1697-1703   | 1.2 | 32 |
| 539 | Ischemia-reperfusion injury alters skin microvascular responses to local heating of the index finger. <b>2018</b> , 118, 12-19  |     | 8  |
| 538 | Personal thermal management using portable thermoelectrics for potential building energy saving. <b>2018</b> , 218, 282-291   |     | 58 |
| 537 | Comparison of Thermal Manikin Modeling and Human Subjects' Response During Use of Cooling Devices Under Personal Protective Ensembles in the Heat. <b>2018</b> , 33, 279-287  |     | 11 |
| 536 | Free-living, continuous hypo-hydration, and cardiovascular response to exercise in a heated environment. <i>Physiological Reports</i> , <b>2018</b> , 6, e13672   | 2.6 | 2  |
| 535 | Cutaneous Vascular Responses of the Hands and Feet to Cooling, Rewarming, and Hypoxia in Humans. <b>2018</b> , 29, 45-55  |     | 6  |
| 534 | Impact of sodium citrate ingestion during recovery after dehydrating exercise on rehydration and subsequent 40-km cycling time-trial performance in the heat. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2018</b> , 43, 571-579 | 3   | 5  |
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| 532 | An optimal two-bout strategy with phase change material cooling vests to improve comfort in hot environment. <i>Journal of Thermal Biology</i> , <b>2018</b> , 72, 10-25  | 2.9 | 16 |
| 531 | Fitness-related differences in the rate of whole-body total heat loss in exercising young healthy women are heat-load dependent. <i>Experimental Physiology</i> , <b>2018</b> , 103, 312-317  | 2.4 | 17 |
| 530 | Physiological Responses to Overdressing and Exercise-Heat Stress in Trained Runners. <i>Medicine and Science in Sports and Exercise</i> , <b>2018</b> , 50, 1285-1296   | 1.2 | 12 |
| 529 | Effects of skin surface cooling before exercise on lactate accumulation in cool environment. <i>European Journal of Applied Physiology</i> , <b>2018</b> , 118, 551-562   | 3.4 | 1  |

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| 528 | A Heart rate-based model (PHS HR ) for predicting personal heat stress in dynamic working environments. <i>Building and Environment</i> , <b>2018</b> , 135, 318-329                                     | 6.5 | 10 |
| 527 | Physiological and perceptual responses to exercising in restrictive heat loss attire with use of an upper-body sauna suit in temperate and hot conditions. <i>Temperature</i> , <b>2018</b> , 5, 162-174 | 5.2 | 11 |
| 526 | Cutaneous neural activity and endothelial involvement in cold-induced vasodilatation. <i>European Journal of Applied Physiology</i> , <b>2018</b> , 118, 971-978   | 3.4 | 9  |
| 525 | Postexercise whole-body sweating increases during muscle metaboreceptor activation in young men. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2018</b> , 43, 423-426                         | 3   | 1  |
| 524 | Diurnal effects of prior heat stress exposure on sprint and endurance exercise capacity in the heat. <b>2018</b> , 35, 982-995   |     | 6  |
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| 522 | Peripheral blood flow changes in response to postexercise cold water immersion. <b>2018</b> , 38, 46-55  |     | 16 |
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| 520 | Hydration status influences the measurement of arterial stiffness. <b>2018</b> , 38, 447-454   |     | 3  |
| 519 | Females exposed to 24 h of sleep deprivation do not experience greater physiological strain, but do perceive heat illness symptoms more severely, during exercise-heat stress. <b>2018</b> , 36, 348-355 |     | 4  |
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| 517 | Optimal cooling strategies for players in Australian Tennis Open conditions. <b>2018</b> , 21, 232-237   |     | 16 |
| 516 | Influence of body composition on physiological responses to post-exercise hydrotherapy. <b>2018</b> , 36, 1044-1053  |     | 7  |
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| 513 | Effect of a Cooling Kit on Physiology and Performance Following Exercise in the Heat. <b>2018</b> , 27, 413-418  |     | 4  |
| 512 | Thermoeffector Responses at a Fixed Rate of Heat Production in Heart Failure Patients. <i>Medicine and Science in Sports and Exercise</i> , <b>2018</b> , 50, 417-426                                    | 1.2 | 7  |
| 511 | Fitness-related differences in the rate of whole-body evaporative heat loss in exercising men are heat-load dependent. <i>Experimental Physiology</i> , <b>2018</b> , 103, 101-110                       | 2.4 | 24 |

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| 510 | Hydration Status and Thermoregulatory Responses in Drivers During Competitive Racing. <b>2018</b> , 32, 2061-2065   | 4      |
| 509 | Beat the Heat: Effects of a Motivational Self-Talk Intervention on Endurance Performance. <b>2018</b> , 30, 388-401   | 8      |
| 508 | Air velocity influences thermoregulation and endurance exercise capacity in the heat. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2018</b> , 43, 131-138   | 3 17   |
| 507 | Maximum Skin Wettedness after Aerobic Training with and without Heat Acclimation. <i>Medicine and Science in Sports and Exercise</i> , <b>2018</b> , 50, 299-307  | 1.2 41 |
| 506 | Short-term dietary curcumin supplementation reduces gastrointestinal barrier damage and physiological strain responses during exertional heat stress. <i>Journal of Applied Physiology</i> , <b>2018</b> , 124, 330-340 | 3.7 27 |
| 505 | Hyperthermia-induced Neural Alterations Impair Proprioception and Balance. <i>Medicine and Science in Sports and Exercise</i> , <b>2018</b> , 50, 46-53   | 1.2 9  |
| 504 | Influence of Rhodiola rosea on the heat acclimation process in young healthy men. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2018</b> , 43, 63-70   | 3 1    |
| 503 | Work Rate during Self-paced Exercise is not Mediated by the Rate of Heat Storage. <i>Medicine and Science in Sports and Exercise</i> , <b>2018</b> , 50, 159-168  | 1.2 3  |
| 502 | Transition phase clothing strategies and their effect on body temperature and 100-m swimming performance. <i>European Journal of Sport Science</i> , <b>2018</b> , 18, 182-189  | 3.9 3  |
| 501 | Cold Water Ingestion Improves Exercise Tolerance of Heat-Sensitive People with MS. <i>Medicine and Science in Sports and Exercise</i> , <b>2018</b> , 50, 643-648   | 1.2 14 |
| 500 | The Effect of Head-to-Head Competition on Behavioural Thermoregulation, Thermophysiological Strain and Performance During Exercise in the Heat. <b>2018</b> , 48, 1269-1279   | 11     |
| 499 | Neuroinflammation, cortical activity, and fatiguing behaviour during self-paced exercise. <b>2018</b> , 470, 413-426  | 4      |
| 498 | Effect of Body Composition on Physiological Responses to Cold-Water Immersion and the Recovery of Exercise Performance. <b>2018</b> , 13, 382-389   | 10     |
| 497 | Obesity, but not hypohydration, mediates changes in mental task load during passive heating in females. <b>2018</b> , 6, e5394  | 2      |
| 496 | Exploring how a traditional diluted yoghurt drink may mitigate heat strain during medium-intensity intermittent work: a multidisciplinary study of occupational heat strain. <b>2018</b> , 56, 106-121                  | 5      |
| 495 | The effect of exogenous activation of protease-activated receptor 2 on cutaneous vasodilatation and sweating in young males during rest and exercise in the heat. <i>Temperature</i> , <b>2018</b> , 5, 257-266         | 5.2 1  |
| 494 | Practical Torso Cooling During Soccer-Specific Exercise in the Heat. <b>2018</b> , 53, 1089-1097  | 3      |
| 493 | Post-exercise Hot Water Immersion Elicits Heat Acclimation Adaptations in Endurance Trained and Recreationally Active Individuals. <b>2018</b> , 9, 1824  | 22     |

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| 492 | Interaction Between Ambient Temperature, Hypoxia, and Load Carriage on Respiratory Muscle Fatigue. <b>2018</b> , 89, 952-960   |     | 2  |
| 491 | Heat acclimation does not affect maximal aerobic power in thermoneutral normoxic or hypoxic conditions. <i>Experimental Physiology</i> , <b>2019</b> , 104, 345-358  | 2.4 | 11 |
| 490 | Adrenergic receptor blockade does not modify non-thermal sweating during static exercise and following muscle ischemia in habitually trained individuals. <i>European Journal of Applied Physiology</i> , <b>2018</b> , 118, 2669-2677   | 3.4 | 4  |
| 489 | Dietary curcumin supplementation does not alter peripheral blood mononuclear cell responses to exertional heat stress. <i>European Journal of Applied Physiology</i> , <b>2018</b> , 118, 2707-2717  | 3.4 | 7  |
| 488 | L-Menthol mouth rinse or ice slurry ingestion during the latter stages of exercise in the heat provide a novel stimulus to enhance performance despite elevation in mean body temperature. <i>European Journal of Applied Physiology</i> , <b>2018</b> , 118, 2435-2442          | 3.4 | 19 |
| 487 | Prolonged Sitting Interrupted by 6-Min of High-Intensity Exercise: Circulatory, Metabolic, Hormonal, Thermal, Cognitive, and Perceptual Responses. <b>2018</b> , 9, 1279   |     | 14 |
| 486 | Human Temperature Control. <b>2018</b> ,   |     | 6  |
| 485 | A new occupational heat tolerance test: A feasibility study. <i>Journal of Thermal Biology</i> , <b>2018</b> , 78, 42-50   | 2.9 | 5  |
| 484 | Significance of PCM arrangement in cooling vest for enhancing comfort at varied working periods and climates: Modeling and experimentation. <b>2018</b> , 145, 772-790   |     | 6  |
| 483 | Folic acid supplementation improves vascular endothelial function, yet not skin blood flow during exercise in the heat, in patients with heart failure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2018</b> , 315, R810-R819 | 3.2 | 3  |
| 482 | Preferred temperature with standing and treadmill workstations. <i>Building and Environment</i> , <b>2018</b> , 138, 63-73   | 6.5 | 16 |
| 481 | Heat Loss Is Impaired in Older Men on the Day after Prolonged Work in the Heat. <i>Medicine and Science in Sports and Exercise</i> , <b>2018</b> , 50, 1859-1867   | 1.2 | 16 |
| 480 | Influence of human thermal adaptation and its development on human thermal responses to warm environments. <i>Building and Environment</i> , <b>2018</b> , 139, 134-145  | 6.5 | 12 |
| 479 | Moisture vapour permeable gloves extend thermal endurance and safe work time more than other similarly permeable chemical-biological ancillary protective items. <i>Ergonomics</i> , <b>2018</b> , 61, 1635-1645   | 2.9 | 1  |
| 478 | Effect of passive heat exposure on cardiac autonomic function in healthy children. <i>European Journal of Applied Physiology</i> , <b>2018</b> , 118, 2233-2240  | 3.4 | 3  |
| 477 | Exercise cardiorespiratory and thermoregulatory responses in normoxic, hypoxic and hot environment following 10-day continuous hypoxic exposure. <i>Journal of Applied Physiology</i> , <b>2018</b> ,  | 3.7 | 9  |
| 476 | Effects of mild whole body hypothermia on self-paced exercise performance. <i>Journal of Applied Physiology</i> , <b>2018</b> , 125, 479-485   | 3.7 | 1  |
| 475 | Personalized Hydration Strategy Attenuates the Rise in Heart Rate and in Skin Temperature Without Altering Cycling Capacity in the Heat. <i>Frontiers in Nutrition</i> , <b>2018</b> , 5, 22   | 6.2 | 3  |

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| 474 | The Effects of Low Air Temperatures on Thermoregulation and Sleep of Young Men While Sleeping Using Bedding. <b>2018</b> , 8, 76   |     | 4  |
| 473 | Physiological and perceptual responses in the elderly to simulated daily living activities in UK summer climatic conditions. <b>2018</b> , 161, 163-170  |     | 13 |
| 472 | Impact of ambient temperature on energy cost and economical speed during level walking in healthy young males. <b>2018</b> , 7,  |     | 3  |
| 471 | Interactions between perceived exertion and thermal perception in the heat in endurance athletes. <i>Journal of Thermal Biology</i> , <b>2018</b> , 76, 68-76  | 2.9 | 4  |
| 470 | The effect of repeated bouts of hyperaemia on sensory nerve-mediated cutaneous vasodilatation in humans. <b>2018</b> , 119, 22-28  |     | 4  |
| 469 | Heat Acclimation by Postexercise Hot-Water Immersion: Reduction of Thermal Strain During Morning and Afternoon Exercise-Heat Stress After Morning Hot-Water Immersion. <b>2018</b> , 1-6                     |     | 16 |
| 468 | Sweat from gland to skin surface: production, transport, and skin absorption. <i>Journal of Applied Physiology</i> , <b>2018</b> , 125, 459-469  | 3.7 | 17 |
| 467 | Effects of arm insulation on physiological responses during running in the cold. <i>Journal of Sports Medicine and Physical Fitness</i> , <b>2018</b> , 58, 1197-1203  | 1.4 | 0  |
| 466 | Greater fluid loss does not fully explain the divergent hemodynamic balance mediating postexercise hypotension in endurance-trained men. <i>Journal of Applied Physiology</i> , <b>2018</b> , 124, 1264-1273 | 3.7 | 3  |
| 465 | Ice Slurry Ingestion and Physiological Strain During Exercise in Non-Compensable Heat Stress. <b>2018</b> , 89, 434-441  |     | 3  |
| 464 | Precooling and Warm-Up Effects on Time Trial Cycling During Heat Stress. <b>2018</b> , 89, 87-93   |     | 1  |
| 463 | Core and skin temperature influences on the surface electromyographic responses to an isometric force and position task. <b>2018</b> , 13, e0195219  |     | 9  |
| 462 | Mixed-methods pre-match cooling improves simulated soccer performance in the heat. <i>European Journal of Sport Science</i> , <b>2019</b> , 19, 156-165  | 3.9 | 13 |
| 461 | Effect of food intake on the ventilatory response to increasing core temperature during exercise. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2019</b> , 44, 22-30                              | 3   | 3  |
| 460 | Cardiac autonomic function during hypothermia and its measurement repeatability. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2019</b> , 44, 31-36   | 3   | 6  |
| 459 | Intermittent exercise-heat exposures and intense physical activity sustain heat acclimation adaptations. <b>2019</b> , 22, 117-122   |     | 30 |
| 458 | Sweat distribution and perceived wetness across the human foot: the effect of shoes and exercise intensity. <i>Ergonomics</i> , <b>2019</b> , 62, 1450-1461  | 2.9 | 7  |
| 457 | Effects of isomaltulose ingestion on postexercise hydration state and heat loss responses in young men. <i>Experimental Physiology</i> , <b>2019</b> , 104, 1494-1504  | 2.4 | 9  |

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| 456 | Post-exercise Hot Water Immersion Elicits Heat Acclimation Adaptations That Are Retained for at Least Two Weeks. <b>2019</b> , 10, 1080   |     | 10 |
| 455 | Thermoregulatory adaptations with progressive heat acclimation are predominantly evident in uncompensable, but not compensable, conditions. <i>Journal of Applied Physiology</i> , <b>2019</b> , 127, 1095-1106                                     | 3.7 | 14 |
| 454 | Evaporative heat loss insufficient to attain heat balance at rest in individuals with a spinal cord injury at high ambient temperature. <i>Journal of Applied Physiology</i> , <b>2019</b> , 127, 995-1004  | 3.7 | 9  |
| 453 | Influences of hypobaric hypoxia on skin blood flow and sweating responses during exercise in neutral and hot environments. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2019</b> , 317, R571-R575 | 3.2 | 1  |
| 452 | Acute effect of Finnish sauna bathing on brachial artery flow-mediated dilation and reactive hyperemia in healthy middle-aged and older adults. <i>Physiological Reports</i> , <b>2019</b> , 7, e14166  | 2.6 | 5  |
| 451 | Hyperoxia enhances self-paced exercise performance to a greater extent in cool than hot conditions. <i>Experimental Physiology</i> , <b>2019</b> , 104, 1398-1407   | 2.4 | 1  |
| 450 | Intersegmental differences in facial warmth sensitivity during rest, passive heat and exercise. <b>2019</b> , 36, 654-659   |     | 2  |
| 449 | The effect of thermal transience on the perception of thermal comfort. <b>2019</b> , 210, 112623  |     | 8  |
| 448 | Mean skin temperature estimated from 3 measuring points can predict sleeping thermal sensation. <i>Building and Environment</i> , <b>2019</b> , 162, 106292   | 6.5 | 13 |
| 447 | Trait-based analysis of the human skin microbiome. <b>2019</b> , 7, 101   |     | 13 |
| 446 | Effects of core temperature, skin temperature, and inter-beat interval on resting metabolic rate measurements in thermoneutral conditions. <i>Journal of Thermal Biology</i> , <b>2019</b> , 85, 102399   | 2.9 | 1  |
| 445 | Effect of Thirst-Driven Fluid Intake on 1 H Cycling Time-Trial Performance in Trained Endurance Athletes. <b>2019</b> , 7,  |     | 3  |
| 444 | Using personally controlled air movement to improve comfort after simulated summer commute. <i>Building and Environment</i> , <b>2019</b> , 165, 106329   | 6.5 | 13 |
| 443 | Quantification of the Capacity for Cold-Induced Thermogenesis in Young Men With and Without Obesity. <b>2019</b> , 104, 4865-4878   |     | 18 |
| 442 | Mixed Active and Passive, Heart Rate-Controlled Heat Acclimation Is Effective for Paralympic and Able-Bodied Triathletes. <b>2019</b> , 10, 1214  |     | 3  |
| 441 | Effects of two nights partial sleep deprivation on an evening submaximal weightlifting performance; are 1 h powernaps useful on the day of competition?. <b>2019</b> , 36, 407-426  |     | 11 |
| 440 | The Impact of an Ice Slurry-Induced Gastrointestinal Heat Sink on Gastrointestinal and Rectal Temperatures Following Exercise. <b>2019</b> , 7,   |     | 2  |
| 439 | Acceptable surface temperature of floor radiant heating system based on thermal comfort study in southern China. <b>2019</b> , 80, 03007  |     | 1  |

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| 438 | Heat stress impairs proprioception but not running mechanics. <b>2019</b> , 22, 1361-1366   |     | 1  |
| 437 | Exogenous Activation of Protease-Activated Receptor 2 Attenuates Cutaneous Vasodilatation and Sweating in Older Men Exercising in the Heat. <b>2019</b> , 32, 235-243   |     | 1  |
| 436 | 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> , <b>2019</b> , 119, 2513-2527                   | 2.4 | 6  |
| 435 | Modification of the Predicted Heat Strain (PHS) model in predicting human thermal responses for Chinese workers in hot environments. <i>Building and Environment</i> , <b>2019</b> , 165, 106349  | 6.5 | 18 |
| 434 | Mild hypohydration impairs cycle ergometry performance in the heat: A blinded study. <b>2019</b> , 29, 686-695  |     | 15 |
| 433 | Impairment of Cycling Capacity in the Heat in Well-Trained Endurance Athletes After High-Intensity Short-Term Heat Acclimation. <b>2019</b> , 14, 1058-1065   |     | 14 |
| 432 | Intermittent wetting clothing as a cooling strategy for body heat strain alleviation of vulnerable populations during a severe heatwave incident. <i>Journal of Thermal Biology</i> , <b>2019</b> , 79, 33-41                             | 2.9 | 4  |
| 431 | Upper body sweat mapping provides evidence of relative sweat redistribution towards the periphery following hot-dry heat acclimation. <i>Temperature</i> , <b>2019</b> , 6, 50-65   | 5.2 | 21 |
| 430 | Modality-specific training adaptations - do they lead to a dampened acute inflammatory response to exercise?. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2019</b> , 44, 965-972   | 3   | 1  |
| 429 | Subjective thermal strain impairs endurance performance in a temperate environment. <b>2019</b> , 202, 36-44  |     | 9  |
| 428 | Comparison of different wheelchair seating on thermoregulation and perceptual responses in thermoneutral and hot conditions in children. <b>2019</b> , 28, 144-151  |     | 2  |
| 427 | The effects of lower body passive heating combined with mixed-method cooling during half-time on second-half intermittent sprint performance in the heat. <i>European Journal of Applied Physiology</i> , <b>2019</b> , 119, 1885-1899    | 3.4 | 3  |
| 426 | Superoxide and NADPH oxidase do not modulate skin blood flow in older exercising adults with and without type 2 diabetes. <b>2019</b> , 125, 103886   |     | 2  |
| 425 | Listening to motivational music mitigates heat-related reductions in exercise performance. <b>2019</b> , 208, 112567  |     | 1  |
| 424 | Wireless measurement of rectal temperature during exercise: Comparing an ingestible thermometric telemetric pill used as a suppository against a conventional rectal probe. <i>Journal of Thermal Biology</i> , <b>2019</b> , 83, 112-118 | 2.9 | 5  |
| 423 | The Efficacy of Ingesting Water on Thermoregulatory Responses and Running Performance in a Warm-Humid Condition. <b>2019</b> , 10, 507  |     | 4  |
| 422 | Transient human thermophysiological and comfort responses indoors after simulated summer commutes. <i>Building and Environment</i> , <b>2019</b> , 157, 257-267   | 6.5 | 21 |
| 421 | Could wearing motorcycle protective clothing compromise rider safety in hot weather?. <b>2019</b> , 128, 240-247  |     | 3  |

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| 420 | Heat stress assessment during intermittent work under different environmental conditions and clothing combinations of effective wet bulb globe temperature (WBGT). <b>2019</b> , 16, 467-476   |     | 4  |
| 419 | Separate and combined effects of K and K channel blockade with NOS inhibition on cutaneous vasodilation and sweating in older men during heat stress. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2019</b> , 317, R113-R120 | 3.2 | 7  |
| 418 | The ergogenic potency of carbohydrate mouth rinse on endurance running performance of dehydrated athletes. <i>European Journal of Applied Physiology</i> , <b>2019</b> , 119, 1711-1723  | 3.4 | 5  |
| 417 | Passive heat therapy in sedentary humans increases skeletal muscle capillarization and eNOS content but not mitochondrial density or GLUT4 content. <b>2019</b> , 317, H114-H123   |     | 26 |
| 416 | Nine-, but Not Four-Days Heat Acclimation Improves Self-Paced Endurance Performance in Females. <b>2019</b> , 10, 539  |     | 13 |
| 415 | Revisiting the influence of individual factors on heat exchange during exercise in dry heat using direct calorimetry. <i>Experimental Physiology</i> , <b>2019</b> , 104, 1038-1050  | 2.4 | 16 |
| 414 | Brief in-play cooling breaks reduce thermal strain during football in hot conditions. <b>2019</b> , 22, 912-917  |     | 10 |
| 413 | A free software to predict heat strain according to the ISO 7933:2018. <b>2019</b> , 57, 711-720   |     | 12 |
| 412 | Cold-induced vasodilation responses before and after exercise in normobaric normoxia and hypoxia. <i>European Journal of Applied Physiology</i> , <b>2019</b> , 119, 1547-1556   | 3.4 | 1  |
| 411 | Pre-Exercise Rehydration Attenuates Central Fatigability during 2-Min Maximum Voluntary Contraction in Hyperthermia. <b>2019</b> , 55,   |     | 1  |
| 410 | Performance enhancement of hybrid personal cooling clothing in a hot environment: PCM cooling energy management with additional insulation. <i>Ergonomics</i> , <b>2019</b> , 62, 928-939  | 2.9 | 19 |
| 409 | Heat tolerance of Fire Service Instructors. <i>Journal of Thermal Biology</i> , <b>2019</b> , 82, 1-9  | 2.9 | 4  |
| 408 | Heat shock protein 90 does not contribute to cutaneous vasodilatation in older adults during heat stress. <b>2019</b> , 26, e12541   |     | 2  |
| 407 | The effects of aging on the distribution of cerebral blood flow with postural changes and mild hyperthermia. <i>European Journal of Applied Physiology</i> , <b>2019</b> , 119, 1261-1272  | 3.4 | 2  |
| 406 | Effect of ice slushy ingestion and cold water immersion on thermoregulatory behavior. <b>2019</b> , 14, e0212966   |     | 3  |
| 405 | Effects of indoor humidity on building occupants' thermal comfort and evidence in terms of climate adaptation. <i>Building and Environment</i> , <b>2019</b> , 155, 298-307  | 6.5 | 33 |
| 404 | The reliability of cutaneous low-frequency oscillations in young healthy males. <b>2019</b> , 26, e12546   |     | 2  |
| 403 | Effect of Environmental Temperature on High-Intensity Intervals in Well-Trained Cyclists. <b>2019</b> , 14, 1401-1407  |     | 2  |



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| 402 | Fanning as an alternative to air conditioning [A sustainable solution for reducing indoor occupational heat stress. <i>Energy and Buildings</i> , <b>2019</b> , 193, 92-98  | 7   | 18 |
| 401 | Thermal and cardiovascular responses and thermal sensation during hot-water bathing and the influence of room temperature. <i>Journal of Thermal Biology</i> , <b>2019</b> , 82, 83-89                                      | 2.9 | 2  |
| 400 | Low-intensity exercise delays the shivering response to core cooling. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2019</b> , 316, R535-R542                              | 3.2 | 8  |
| 399 | Effect of Ice Slurry Ingestion on Cardiovascular Drift and $\dot{V}O_{2max}$ during Heat Stress. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 582-589   | 1.2 | 3  |
| 398 | Thermal comfort under radiant asymmetries of floor cooling system in 2 h and 8 h exposure durations. <i>Energy and Buildings</i> , <b>2019</b> , 188-189, 98-110  | 7   | 33 |
| 397 | Local arginase inhibition does not modulate cutaneous vasodilation or sweating in young and older men during exercise. <i>Journal of Applied Physiology</i> , <b>2019</b> , 126, 1129-1137                                  | 3.7 | 6  |
| 396 | Comparison between esophageal and intestinal temperature responses to upper-limb exercise in individuals with spinal cord injury. <b>2019</b> , 57, 586-593   |     | 8  |
| 395 | Acute taurine supplementation enhances thermoregulation and endurance cycling performance in the heat. <i>European Journal of Sport Science</i> , <b>2019</b> , 19, 1101-1109   | 3.9 | 6  |
| 394 | Combined effects of exposure to hypoxia and cool on walking economy and muscle oxygenation profiles at tibialis anterior. <b>2019</b> , 37, 1638-1647   |     | 1  |
| 393 | Shoe microclimate: An objective characterisation and subjective evaluation. <b>2019</b> , 78, 1-12  |     | 16 |
| 392 | Thermoregulation in Ectodermal Dysplasia: A Case Series. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,   | 4.6 | 2  |
| 391 | Effectiveness of Short-Term Heat Acclimation on Intermittent Sprint Performance With Moderately Trained Females Controlling for Menstrual Cycle Phase. <b>2019</b> , 10, 1458   |     | 3  |
| 390 | Solar Radiation Exposure Has Diurnal Effects on Thermoregulatory Responses During High-Intensity Exercise in the Heat Outdoors. <b>2019</b> , 33, 2608-2615   |     | 7  |
| 389 | Continuous and intermittent heat acclimation and decay in team sport athletes. <i>European Journal of Sport Science</i> , <b>2019</b> , 19, 295-304   | 3.9 | 8  |
| 388 | Intermittent sprint performance in the heat is not altered by augmenting thermal perception via L-menthol or capsaicin mouth rinses. <i>European Journal of Applied Physiology</i> , <b>2019</b> , 119, 653-664             | 3.4 | 12 |
| 387 | Reliability of a wearable sweat rate monitor and routine sweat analysis techniques under heat stress in females. <i>Journal of Thermal Biology</i> , <b>2019</b> , 79, 209-217  | 2.9 | 5  |
| 386 | Temperature of water ingested before exercise alters the onset of physiological heat loss responses. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2019</b> , 316, R13-R20 | 3.2 | 6  |
| 385 | Impaired Heat Adaptation From Combined Heat Training and "Live High, Train Low" Hypoxia. <b>2019</b> , 14, 635-643  |     | 4  |

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| 384 | Exposure to high solar radiation reduces self-regulated exercise intensity in the heat outdoors. <b>2019</b> , 199, 191-199   |     | 16 |
| 383 | Blinded and unblinded hypohydration similarly impair cycling time trial performance in the heat in trained cyclists. <i>Journal of Applied Physiology</i> , <b>2019</b> , 126, 870-879                  | 3.7 | 16 |
| 382 | The Hexoskin physiological monitoring shirt does not impair whole-body heat loss during exercise in hot-dry conditions. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2019</b> , 44, 332-335 | 3   | 3  |
| 381 | Glabrous and non-glabrous vascular responses to mild hypothermia. <b>2019</b> , 121, 82-86  |     | 3  |
| 380 | On exercise thermoregulation in females: interaction of endogenous and exogenous ovarian hormones. <i>Journal of Physiology</i> , <b>2019</b> , 597, 71-88  | 3.9 | 41 |
| 379 | Interactive effects of age and hydration state on human thermoregulatory function during exercise in hot-dry conditions. <b>2019</b> , 226, e13226  |     | 9  |
| 378 | Partitional calorimetry. <i>Journal of Applied Physiology</i> , <b>2019</b> , 126, 267-277  | 3.7 | 40 |
| 377 | Menstrual cycle phase does not modulate whole body heat loss during exercise in hot, dry conditions. <i>Journal of Applied Physiology</i> , <b>2019</b> , 126, 286-293                                  | 3.7 | 23 |
| 376 | The acute effect of training fire exercises on fire service instructors. <b>2019</b> , 16, 27-40  |     | 5  |
| 375 | Heat dissipating upper body compression garment: Thermoregulatory, cardiovascular, and perceptual responses. <b>2019</b> , 8, 450-456   |     | 5  |
| 374 | Seasonal effect of humidity on human comfort in a hot summer/cold winter zone in China. <b>2019</b> , 28, 264-277   |     | 11 |
| 373 | High Thermoregulatory Strain During Competitive Paratriathlon Racing in the Heat. <b>2020</b> , 15, 231-237   |     | 7  |
| 372 | Immune Response Related With Skin Thermal Pattern in Judokas: A New Application for Infrared Thermography?. <b>2020</b> , 34, 2886-2894   |     | 2  |
| 371 | Validity of a Tympanic Thermometer and Thermal Imaging Camera for Measuring Core and Skin Temperature during Exercise in the Heat. <b>2020</b> , 24, 49-55  |     | 4  |
| 370 | Heat alleviation strategies for athletic performance: A review and practitioner guidelines. <i>Temperature</i> , <b>2020</b> , 7, 3-36  | 5.2 | 34 |
| 369 | Preferred temperatures with and without air movement during moderate exercise. <i>Energy and Buildings</i> , <b>2020</b> , 207, 109565  | 7   | 11 |
| 368 | The Dynamics and Mechanism of Human Thermal Adaptation in Building Environment. <b>2020</b> ,   |     | 2  |
| 367 | Whole-body heat exchange in black-African and Caucasian men during exercise eliciting matched heat-loss requirements in dry heat. <i>Experimental Physiology</i> , <b>2020</b> , 105, 7-12              | 2.4 | 2  |

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| 366 | The thermal demands of flood rescue and impacts on task performance. <i>Ergonomics</i> , <b>2020</b> , 63, 109-118  | 2.9 | 1  |
| 365 | Diurnal change in psychological and physiological responses to consistent relative humidity. <i>Journal of Thermal Biology</i> , <b>2020</b> , 88, 102490   | 2.9 | 2  |
| 364 | High-intensity cycling re-warm up within a very short time-frame increases the subsequent intermittent sprint performance. <i>European Journal of Sport Science</i> , <b>2020</b> , 20, 1307-1317   | 3.9 | 3  |
| 363 | Effects of heat acclimation on individual safety performance in hyperthermal indoor environments. <i>Building and Environment</i> , <b>2020</b> , 168, 106537   | 6.5 | 6  |
| 362 | Rising vs. falling phases of core temperature on endurance exercise capacity in the heat. <i>European Journal of Applied Physiology</i> , <b>2020</b> , 120, 481-491  | 3.4 | 2  |
| 361 | No Influence of Low-, Medium-, or High-Dose Tyrosine on Exercise in a Warm Environment. <i>Medicine and Science in Sports and Exercise</i> , <b>2020</b> , 52, 1404-1413  | 1.2 |    |
| 360 | Short-term isothermic heat acclimation elicits beneficial adaptations but medium-term elicits a more complete adaptation. <i>European Journal of Applied Physiology</i> , <b>2020</b> , 120, 243-254  | 3.4 | 9  |
| 359 | The skin blood flow response to exercise in boys and men and the role of nitric oxide. <i>European Journal of Applied Physiology</i> , <b>2020</b> , 120, 753-762   | 3.4 | 4  |
| 358 | Autonomic and perceptual thermoregulatory responses to voluntarily engaging in a common thermoregulatory behaviour. <b>2020</b> , 215, 112768   |     | 0  |
| 357 | Potential application of novel liquid crystal nanoparticles of isostearyl glyceryl ether for transdermal delivery of 4-biphenyl acetic acid. <b>2020</b> , 575, 118935  |     | 1  |
| 356 | Ad libitum water consumption off-sets the thermal and cardiovascular strain exacerbated by dehydration during a 3-h simulated heatwave. <i>European Journal of Applied Physiology</i> , <b>2020</b> , 120, 391-399  | 3.4 | 11 |
| 355 | Effect of underwear on microclimate heat transfer in clothing based on computational fluid dynamics simulation. <b>2020</b> , 90, 1262-1276   |     | 3  |
| 354 | The relative contribution of hand and head energy sweating during heat exposure and the influence of sex and training status. <b>2020</b> , 29, 1216-1224   |     | 1  |
| 353 | Thermal comfort and physiological responses with standing and treadmill workstations in summer. <i>Building and Environment</i> , <b>2020</b> , 185, 107238   | 6.5 | 5  |
| 352 | Differences between sexes in thermoregulatory responses and exercise time during endurance exercise in a hot environment following pre-cooling with ice slurry ingestion. <i>Journal of Thermal Biology</i> , <b>2020</b> , 94, 102746                    | 2.9 | 2  |
| 351 | Independent Influence of Skin Temperature on Whole-Body Sweat Rate. <i>Medicine and Science in Sports and Exercise</i> , <b>2020</b> , 52, 2423-2429  | 1.2 | 4  |
| 350 | Ageing attenuates the effect of extracellular hyperosmolality on whole-body heat exchange during exercise-heat stress. <i>Journal of Physiology</i> , <b>2020</b> , 598, 5133-5148  | 3.9 | 1  |
| 349 | Effects of L-type voltage-gated Ca channel blockade on cholinergic and thermal sweating in habitually trained and untrained men. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2020</b> , 319, R584-R591 | 3.2 | 1  |

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| 348 | Evaluation and modification of the weighting formulas for mean skin temperature of human body in winter conditions. <i>Energy and Buildings</i> , <b>2020</b> , 229, 110390   | 7   | 9  |
| 347 | Impact of whole body passive heat stress and arterial shear rate modification on radial artery function in young men. <i>Journal of Applied Physiology</i> , <b>2020</b> , 129, 1373-1382   | 3.7 | 1  |
| 346 | Heat Acclimation with Controlled Heart Rate: Influence of Hydration Status. <i>Medicine and Science in Sports and Exercise</i> , <b>2020</b> , 52, 1815-1824  | 1.2 | 12 |
| 345 | Type 2 diabetes does not exacerbate body heat storage in older adults during brief, extreme passive heat exposure. <i>Temperature</i> , <b>2020</b> , 7, 263-269  | 5.2 | 3  |
| 344 | Optimizing the Use of Phase Change Material Vests Worn During Explosives Ordnance Disposal Operations in Hot Conditions. <b>2020</b> , 11, 573521   |     | 0  |
| 343 | Physiological and thermoregulatory effects of oral taurine supplementation on exercise tolerance during forced convective cooling. <i>European Journal of Sport Science</i> , <b>2020</b> , 1-9   | 3.9 |    |
| 342 | Separate and combined effects of cold dialysis and intradialytic exercise on the thermoregulatory responses of hemodialysis patients: a randomized-cross-over study. <b>2020</b> , 21, 524  |     | 1  |
| 341 | The influence of menthol dose on human temperature regulation and perception. <i>Journal of Thermal Biology</i> , <b>2020</b> , 92, 102659  | 2.9 | 1  |
| 340 | Effect of cooling strategies on overall performance of a hybrid personal cooling system incorporated with phase change materials (PCMs) and electric fans. <i>Journal of Thermal Biology</i> , <b>2020</b> , 92, 102655                       | 2.9 | 9  |
| 339 | Influence of aerobic fitness on gastrointestinal barrier integrity and microbial translocation following a fixed-intensity military exertional heat stress test. <i>European Journal of Applied Physiology</i> , <b>2020</b> , 120, 2325-2337 | 3.4 | 2  |
| 338 | Does the iontophoretic application of bretylium tosylate modulate sweating during exercise in the heat in habitually trained and untrained men?. <i>Experimental Physiology</i> , <b>2020</b> , 105, 1692-1699                                | 2.4 | 0  |
| 337 | Short-Term Repeated-Sprint Training in Hot and Cool Conditions Similarly Benefits Performance in Team-Sport Athletes. <b>2020</b> , 11, 1023  |     | 3  |
| 336 | Exercise heat acclimation has minimal effects on left ventricular volumes, function and systemic hemodynamics in euhydrated and dehydrated trained humans. <b>2020</b> , 319, H965-H979   |     | 3  |
| 335 | Evaluation of Three Field Rewarming Techniques During Cold Weather Military Training. <b>2020</b> , 31, 285-290   |     |    |
| 334 | Whole-body heat exchange in women during constant- and variable-intensity work in the heat. <i>European Journal of Applied Physiology</i> , <b>2020</b> , 120, 2665-2675  | 3.4 | 1  |
| 333 | Cardiovascular Drift and Maximal Oxygen Uptake during Running and Cycling in the Heat. <i>Medicine and Science in Sports and Exercise</i> , <b>2020</b> , 52, 1924-1932   | 1.2 | 5  |
| 332 | Echocardiographic changes following active heat acclimation. <i>Journal of Thermal Biology</i> , <b>2020</b> , 93, 102705   |     | 1  |
| 331 | Fundamental Concepts of Human Thermoregulation and Adaptation to Heat: A Review in the Context of Global Warming. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,                                | 4.6 | 9  |

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| 329 | The effects of clothing layers on the thermoregulatory responses to short duration babywearing in babies under 12 months old. <i>Physiological Reports</i> , <b>2020</b> , 8, e14425                                | 2.6 | 2  |
| 328 | Direct exposure of the head to solar heat radiation impairs motor-cognitive performance. <b>2020</b> , 10, 7812   |     | 22 |
| 327 | Thermoregulatory responses of lower limb amputees during exercise in a hot environment. <i>Journal of Thermal Biology</i> , <b>2020</b> , 91, 102609  | 2.9 | 1  |
| 326 | Effects of electrolyzed hydrogen water ingestion during endurance exercise in a heated environment on body fluid balance and exercise performance. <i>Temperature</i> , <b>2020</b> , 7, 290-299                    | 5.2 | 4  |
| 325 | Caffeine and heat have additive but not interactive effects on physiologic strain: A factorial experiment. <i>Journal of Thermal Biology</i> , <b>2020</b> , 89, 102563   | 2.9 | 1  |
| 324 | A method to identify individually physiological response differences to heat exposure using Comprehensive Deviation Coefficient (CDC). <i>Energy and Buildings</i> , <b>2020</b> , 217, 110003                      | 7   | 0  |
| 323 | Impact of Finnish sauna bathing on circulating markers of inflammation in healthy middle-aged and older adults: A crossover study. <b>2020</b> , 52, 102486   |     | 2  |
| 322 | Skeletal Muscle Signaling Following Whole-Body and Localized Heat Exposure in Humans. <b>2020</b> , 11, 839   |     | 5  |
| 321 | Psychrometric limits and critical evaporative coefficients for exercising older women. <i>Journal of Applied Physiology</i> , <b>2020</b> , 129, 263-271  | 3.7 | 5  |
| 320 | Dehydration reduces stroke volume and cardiac output during exercise because of impaired cardiac filling and venous return, not left ventricular function. <i>Physiological Reports</i> , <b>2020</b> , 8, e14433   | 2.6 | 13 |
| 319 | Chemical permeation of similar disposable nitrile gloves exposed to volatile organic compounds with different polarities: Part 1: Product variation. <b>2020</b> , 17, 165-171                                      |     | 1  |
| 318 | Regional influence of nitric oxide on cutaneous vasodilatation and sweating during exercise-heat stress in young men. <i>Experimental Physiology</i> , <b>2020</b> , 105, 773-782                                   | 2.4 | 0  |
| 317 | Reliability of gastrointestinal barrier integrity and microbial translocation biomarkers at rest and following exertional heat stress. <i>Physiological Reports</i> , <b>2020</b> , 8, e14374                       | 2.6 | 12 |
| 316 | Postexercise hypotension and related hemodynamic responses to cycling under heat stress in untrained men with elevated blood pressure. <i>European Journal of Applied Physiology</i> , <b>2020</b> , 120, 1001-1013 | 3.4 | 3  |
| 315 | Seasonal variation of temperature regulation: do thermoregulatory responses "spring" forward and "fall" back?. <b>2020</b> , 64, 1221-1231  |     | 4  |
| 314 | Effects of Casein Hydrolysate Ingestion on Thermoregulatory Responses in Healthy Adults during Exercise in Heated Conditions: A Randomized Crossover Trial. <i>Nutrients</i> , <b>2020</b> , 12,                    | 6.7 | 1  |
| 313 | Effect of regular precooling on adaptation to training in the heat. <i>European Journal of Applied Physiology</i> , <b>2020</b> , 120, 1143-1154  | 3.4 | 2  |

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| 312 | Effect of continuous cooling on inhibition and attention while wearing firefighter's PPE in a hot environment. <b>2020</b> , 17, 243-252  |     | 3  |
| 311 | Acute performance and physiological responses to repeated-sprint exercise in a combined hot and hypoxic environment. <i>Physiological Reports</i> , <b>2020</b> , 8, e14466   | 2.6 | 7  |
| 310 | Evidence for age-related differences in heat acclimatisation responsiveness. <i>Experimental Physiology</i> , <b>2020</b> , 105, 1491-1499  | 2.4 | 5  |
| 309 | Mixed-Mode Heat Training: A Practical Alternative for Enhancing Aerobic Capacity in Team Sports. <b>2020</b> , 2, 71  |     |    |
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