

Narihiko Kondo

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91
papers

1,549
citations

24
h-index

35
g-index

94
ext. papers

1,769
ext. citations

3.3
avg, IF

4.47
L-index

#	Paper	IF	Citations
91	Comparison of oxygen uptake kinetics during knee extension and cycle exercise. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005 , 288, R212-20	3.2	92
90	Effects of forearm muscle metaboreceptors activation on sweating and cutaneous vascular responses during passive heating and cycle exercising in humans. <i>Extreme Physiology and Medicine</i> , 2015 , 4, A99		78
89	The relationship between muscle deoxygenation and activation in different muscles of the quadriceps during cycle ramp exercise. <i>Journal of Applied Physiology</i> , 2011 , 111, 1259-65	3.7	71
88	Effects of menstrual cycle and physical training on heat loss responses during dynamic exercise at moderate intensity in a temperate environment. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005 , 288, R1347-53	3.2	64
87	Sex differences in the effects of physical training on sweat gland responses during a graded exercise. <i>Experimental Physiology</i> , 2010 , 95, 1026-32	2.4	60
86	Non-thermoregulatory modulation of sweating in humans. <i>Exercise and Sport Sciences Reviews</i> , 2003 , 31, 34-9	6.7	57
85	Function of human eccrine sweat glands during dynamic exercise and passive heat stress. <i>Journal of Applied Physiology</i> , 2001 , 90, 1877-81	3.7	56
84	Modulation of the thermoregulatory sweating response to mild hyperthermia during activation of the muscle metaboreflex in humans. <i>Journal of Physiology</i> , 1999 , 515 (Pt 2), 591-8	3.9	53
83	Muscle deoxygenation in the quadriceps during ramp incremental cycling: Deep vs. superficial heterogeneity. <i>Journal of Applied Physiology</i> , 2015 , 119, 1313-9	3.7	51
82	Slowed oxygen uptake kinetics in hypoxia correlate with the transient peak and reduced spatial distribution of absolute skeletal muscle deoxygenation. <i>Experimental Physiology</i> , 2013 , 98, 1585-96	2.4	44
81	Thermoregulatory responses of prepubertal boys and young men during moderate exercise. <i>European Journal of Applied Physiology</i> , 1997 , 75, 212-8	3.4	41
80	Non-thermal modification of heat-loss responses during exercise in humans. <i>European Journal of Applied Physiology</i> , 2010 , 110, 447-58	3.4	40
79	Greater $\dot{V}O_{2peak}$ is correlated with greater skeletal muscle deoxygenation amplitude and hemoglobin concentration within individual muscles during ramp-incremental cycle exercise. <i>Physiological Reports</i> , 2016 , 4, e13065	2.6	34
78	Effects of exercise intensity on the sweating response to a sustained static exercise. <i>Journal of Applied Physiology</i> , 2000 , 88, 1590-6	3.7	33
77	Effects of increased skin blood flow on muscle oxygenation/deoxygenation: comparison of time-resolved and continuous-wave near-infrared spectroscopy signals. <i>European Journal of Applied Physiology</i> , 2015 , 115, 335-43	3.4	31
76	Comparison of hyperthermic hyperventilation during passive heating and prolonged light and moderate exercise in the heat. <i>Journal of Applied Physiology</i> , 2012 , 113, 1388-97	3.7	31
75	Continuous measurement of tympanic temperature with a new infrared method using an optical fiber. <i>Journal of Applied Physiology</i> , 1998 , 85, 921-6	3.7	31

74	Effects of muscle metaboreceptor stimulation on cutaneous blood flow from glabrous and nonglabrous skin in mildly heated humans. <i>Journal of Applied Physiology</i> , 2003 , 94, 1829-35	3.7	30
73	Sex differences in acetylcholine-induced sweating responses due to physical training. <i>Journal of Physiological Anthropology</i> , 2014 , 33, 13	2.5	28
72	Changes in blood flow in conduit artery and veins of the upper arm during leg exercise in humans. <i>European Journal of Applied Physiology</i> , 2008 , 103, 367-73	3.4	27
71	Sex differences in age-related changes on peripheral warm and cold innocuous thermal sensitivity. <i>Physiology and Behavior</i> , 2016 , 164, 86-92	3.5	26
70	Sweating responses to passive and active limb movements. <i>Journal of Thermal Biology</i> , 1997 , 22, 351-356.9		26
69	Changes in blood flow in a conduit artery and superficial vein of the upper arm during passive heating in humans. <i>European Journal of Applied Physiology</i> , 2007 , 101, 97-103	3.4	26
68	Central command is capable of modulating sweating from non-glabrous human skin. <i>Journal of Physiology</i> , 2003 , 553, 999-1004	3.9	26
67	Characteristics of sweating responses and peripheral sweat gland function during passive heating in sprinters. <i>European Journal of Applied Physiology</i> , 2013 , 113, 2067-75	3.4	24
66	Intensity-dependent thermoregulatory responses at the onset of dynamic exercise in mildly heated humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003 , 285, R200-7	3.2	24
65	Near-infrared spectroscopy of superficial and deep rectus femoris reveals markedly different exercise response to superficial vastus lateralis. <i>Physiological Reports</i> , 2017 , 5, e13402	2.6	22
64	Changes in whole tissue heme concentration dissociates muscle deoxygenation from muscle oxygen extraction during passive head-up tilt. <i>Journal of Applied Physiology</i> , 2015 , 118, 1091-9	3.7	22
63	Sweating responses and the muscle metaboreflex under mildly hyperthermic conditions in sprinters and distance runners. <i>Journal of Applied Physiology</i> , 2011 , 111, 524-9	3.7	20
62	Hyperthermia modifies muscle metaboreceptor and baroreceptor modulation of heat loss in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012 , 302, R417-23	3.2	18
61	Sweat from gland to skin surface: production, transport, and skin absorption. <i>Journal of Applied Physiology</i> , 2018 , 125, 459-469	3.7	17
60	Determination of the maximum rate of eccrine sweat glands ion reabsorption using the galvanic skin conductance to local sweat rate relationship. <i>European Journal of Applied Physiology</i> , 2016 , 116, 281-90	3.4	16
59	Maximum rate of sweat ions reabsorption during exercise with regional differences, sex, and exercise training. <i>European Journal of Applied Physiology</i> , 2017 , 117, 1317-1327	3.4	15
58	The influence of work loads on regional differences in sweating rates. <i>The Japanese Journal of Physiology</i> , 1996 , 46, 183-6		15
57	Muscle O ₂ extraction reserve during intense cycling is site-specific. <i>Journal of Applied Physiology</i> , 2014 , 117, 1199-206	3.7	14

56	Evidence for Adrenergic modulation of sweating during incremental exercise in habitually trained males. <i>Journal of Applied Physiology</i> , 2017 , 123, 182-189	3.7	13
55	Blood flow occlusion-related O extraction "reserve" is present in different muscles of the quadriceps but greater in deeper regions after ramp-incremental test. <i>Journal of Applied Physiology</i> , 2018 , 125, 313-319	3.7	13
54	Unaltered V o kinetics despite greater muscle oxygenation during heavy-intensity two-legged knee extension versus cycle exercise in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019 , 317, R203-R213	3.2	11
53	Effect of voluntary hypocapnic hyperventilation on the relationship between core temperature and heat loss responses in exercising humans. <i>Journal of Applied Physiology</i> , 2014 , 117, 1317-24	3.7	11
52	The influence of exercise intensity on sweating efficiency of the whole body in a mild thermal condition. <i>Ergonomics</i> , 1996 , 39, 225-31	2.9	11
51	Modulation of muscle metaboreceptor activation upon sweating and cutaneous vascular responses to rising core temperature in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015 , 308, R990-7	3.2	9
50	Effects of isomaltulose ingestion on postexercise hydration state and heat loss responses in young men. <i>Experimental Physiology</i> , 2019 , 104, 1494-1504	2.4	9
49	Increasing blood flow to exercising muscle attenuates systemic cardiovascular responses during dynamic exercise in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015 , 309, R1234-42	3.2	8
48	Muscle metaboreceptors modulate postexercise sweating, but not cutaneous blood flow, independent of baroreceptor loading status. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015 , 309, R1415-24	3.2	8
47	Changes in arterial blood pressure elicited by severe passive heating at rest is associated with hyperthermia-induced hyperventilation in humans. <i>European Journal of Applied Physiology</i> , 2013 , 113, 51-62	3.4	8
46	Heat stress attenuates the increase in arterial blood pressure during isometric handgrip exercise. <i>European Journal of Applied Physiology</i> , 2013 , 113, 183-90	3.4	8
45	Sweating response to passive stretch of the calf muscle during activation of forearm muscle metaboreceptors in heated humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014 , 306, R728-34	3.2	8
44	Time-of-day effect on nonthermal control of sweating response to maintained static exercise in humans. <i>European Journal of Applied Physiology</i> , 2002 , 86, 388-93	3.4	8
43	Impact of supine exercise on muscle deoxygenation kinetics heterogeneity: mechanistic insights into slow pulmonary oxygen uptake dynamics. <i>Journal of Applied Physiology</i> , 2020 , 129, 535-546	3.7	8
42	Impact of supine versus upright exercise on muscle deoxygenation heterogeneity during ramp incremental cycling is site specific. <i>European Journal of Applied Physiology</i> , 2021 , 121, 1283-1296	3.4	8
41	Cutaneous adrenergic nerve blockade attenuates sweating during incremental exercise in habitually trained men. <i>Journal of Applied Physiology</i> , 2018 , 125, 1041-1050	3.7	8
40	Sweating responses to isometric hand-grip exercise and forearm muscle metaboreflex in prepubertal children and elderly. <i>Experimental Physiology</i> , 2017 , 102, 214-227	2.4	7
39	The influence of local skin temperature on the sweat glands maximum ion reabsorption rate. <i>European Journal of Applied Physiology</i> , 2019 , 119, 685-695	3.4	7

38	The effects of exercise and passive heating on the sweat glands ion reabsorption rates. <i>Physiological Reports</i> , 2018 , 6, e13619	2.6	7
37	The effect of dietary nitrate supplementation on the spatial heterogeneity of quadriceps deoxygenation during heavy-intensity cycling. <i>Physiological Reports</i> , 2017 , 5, e13340	2.6	7
36	Effect of activated sweat glands on the intensity-dependent sweating response to sustained static exercise in mildly heated humans. <i>The Japanese Journal of Physiology</i> , 2002 , 52, 229-33		7
35	Influence of forearm muscle metaboreceptor activation on sweating and cutaneous vascular responses during dynamic exercise. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016 , 310, R1332-9	3.2	7
34	Influence of dietary nitrate supplementation on local sweating and cutaneous vascular responses during exercise in a hot environment. <i>European Journal of Applied Physiology</i> , 2018 , 118, 1579-1588	3.4	7
33	Differences in dry-bulb temperature do not influence moderate-duration exercise performance in warm environments when vapor pressure is equivalent. <i>European Journal of Applied Physiology</i> , 2020 , 120, 841-852	3.4	6
32	Effect of differential muscle activation patterns on muscle deoxygenation and microvascular haemoglobin regulation. <i>Experimental Physiology</i> , 2020 , 105, 531-541	2.4	6
31	The carotid baroreflex modifies the pressor threshold of the muscle metaboreflex in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017 , 313, H650-H657	5.2	6
30	Wearing graduated compression stockings augments cutaneous vasodilation but not sweating during exercise in the heat. <i>Physiological Reports</i> , 2017 , 5, e13252	2.6	5
29	The mechanisms underlying the muscle metaboreflex modulation of sweating and cutaneous blood flow in passively heated humans. <i>Physiological Reports</i> , 2017 , 5, e13123	2.6	5
28	Evidence for TRPV4 channel induced skin vasodilatation through NOS, COX, and KCa channel mechanisms with no effect on sweat rate in humans. <i>European Journal of Pharmacology</i> , 2019 , 858, 172462	5.3	5
27	Do nitric oxide synthase and cyclooxygenase contribute to sweating response during passive heating in endurance-trained athletes?. <i>Physiological Reports</i> , 2017 , 5, e13403	2.6	5
26	Control of circadian variation in skin blood flow response to heat stress. <i>The Japanese Journal of Physiology</i> , 1998 , 48, 95-8		4
25	NO-mediated activation of K channels contributes to cutaneous thermal hyperemia in young adults. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020 , 318, R390-R398 ²	3.2	4
24	Menstrual phase and ambient temperature do not influence iron regulation in the acute exercise period. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021 , 320, R780-R790	3.2	4
23	βAdrenergic 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> , 2018 , 118, 2669-2677	3.4	4
22	Effect of ice slushy ingestion and cold water immersion on thermoregulatory behavior. <i>PLoS ONE</i> , 2019 , 14, e0212966	3.7	3
21	Does βAdrenergic receptor blockade modulate sweating during incremental exercise in young endurance-trained men?. <i>European Journal of Applied Physiology</i> , 2020 , 120, 1123-1129	3.4	3

20	Differences in regional sweating responses during exercise between athletes trained on land and in water. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1996 , 74, 67-71		3
19	TRPV4 channel blockade does not modulate skin vasodilation and sweating during hyperthermia or cutaneous postocclusive reactive and thermal hyperemia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021 , 320, R563-R573	3.2	3
18	Nicotinic receptors modulate skin perfusion during normothermia, and have a limited role in skin vasodilatation and sweating during hyperthermia. <i>Experimental Physiology</i> , 2019 , 104, 1808-1818	2.4	2
17	Effect of stride frequency on thermoregulatory responses during endurance running in distance runners. <i>Journal of Thermal Biology</i> , 2016 , 61, 61-66	2.9	2
16	The Spatial Distribution of Absolute Skeletal Muscle Deoxygenation During Ramp-Incremental Exercise Is Not Influenced by Hypoxia. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 876, 19-26	3.6	2
15	Age-related attenuation of conduit artery blood flow response to passive heating differs between the arm and leg. <i>European Journal of Applied Physiology</i> , 2018 , 118, 2307-2318	3.4	2
14	Fluidic Patch Device to Sample Sweat for Accurate Measurement of Sweat Rate and Chemical Composition: A Proof-of-Concept Study. <i>Analytical Chemistry</i> , 2020 , 92, 15534-15541	7.8	2
13	Effect of priming exercise and body position on pulmonary oxygen uptake and muscle deoxygenation kinetics during cycle exercise. <i>Journal of Applied Physiology</i> , 2020 , 129, 810-822	3.7	2
12	The sweat glands' maximum ion reabsorption rates following heat acclimation in healthy older adults. <i>Experimental Physiology</i> , 2021 , 106, 302-315	2.4	2
11	The effect of seasonal acclimatization on whole body heat loss response during exercise in a hot humid environment with different air velocity. <i>Journal of Applied Physiology</i> , 2021 , 131, 520-531	3.7	2
10	Measurement error of self-paced exercise performance in athletic women is not affected by ovulatory status or ambient environment. <i>Journal of Applied Physiology</i> , 2021 , 131, 1496-1504	3.7	2
9	The relative contribution of β and β adrenergic sweating during heat exposure and the influence of sex and training status. <i>Experimental Dermatology</i> , 2020 , 29, 1216-1224	4	1
8	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> , 2020 , 319, R584-R591	3.2	1
7	Dissociation between exercise intensity thresholds: mechanistic insights from supine exercise. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021 , 321, R712-R722	3.2	1
6	Eccrine sweat glands' maximum ion reabsorption rates during passive heating in older adults (50-84 years). <i>European Journal of Applied Physiology</i> , 2021 , 121, 3145-3159	3.4	1
5	Autonomic and perceptual thermoregulatory responses to voluntarily engaging in a common thermoregulatory behaviour. <i>Physiology and Behavior</i> , 2020 , 215, 112768	3.5	0
4	Does the iontophoretic application of bretylium tosylate modulate sweating during exercise in the heat in habitually trained and untrained men?. <i>Experimental Physiology</i> , 2020 , 105, 1692-1699	2.4	0
3	Na-K-ATPase plays a major role in mediating cutaneous thermal hyperemia achieved by local skin heating to 39°C. <i>Journal of Applied Physiology</i> , 2021 , 131, 1408-1416	3.7	0

- 2 Effects of low-intensity exercise on local skin and whole-body thermal sensation in hypothermic young males. *Physiology and Behavior*, **2021**, 240, 113531 3.5 0
- 1 Influence of exercise intensity and regional differences in the sudomotor recruitment pattern in exercising prepubertal boys and young men. *Physiology and Behavior*, **2022**, 243, 113642 3.5