

Tatsuro Amano

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55
papers

304
citations

9
h-index

15
g-index

61
ext. papers

399
ext. citations

3.1
avg, IF

3.43
L-index

#	Paper	IF	Citations
55	Influence of exercise intensity and regional differences in the sudomotor recruitment pattern in exercising prepubertal boys and young men. <i>Physiology and Behavior</i> , 2022 , 243, 113642	3.5	0
54	Comparison of hydration efficacy of carbohydrate-electrolytes beverages consisting of isomaltulose and sucrose in healthy young adults: a randomized crossover trial.. <i>Physiology and Behavior</i> , 2022 , 113770	3.5	0
53	Comparisons of cardiorespiratory and thermoregulatory responses to table tennis and cycling at similar perceived levels of effort 2021 ,		
52	Caffeine Exacerbates Hyperventilation and Reductions in Cerebral Blood Flow in Physically Fit Men Exercising in the Heat. <i>Medicine and Science in Sports and Exercise</i> , 2021 , 53, 845-852	1.2	3
51	Effects of short-term heat acclimation on whole-body heat exchange and local nitric oxide synthase- and cyclooxygenase-dependent heat loss responses in exercising older men. <i>Experimental Physiology</i> , 2021 , 106, 450-462	2.4	0
50	Effects of sex and menstrual cycle on sweating during isometric handgrip exercise and postexercise forearm occlusion. <i>Experimental Physiology</i> , 2021 , 106, 1508-1523	2.4	0
49	Effects of Isomaltulose Ingestion on Thermoregulatory Responses during Exercise in a Hot Environment. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	1
48	Type 2 diabetes impairs vascular responsiveness to nitric oxide, but not the venoarteriolar reflex or post-occlusive reactive hyperaemia in forearm skin. <i>Experimental Dermatology</i> , 2021 , 30, 1807-1813	4	1
47	Comparisons of isomaltulose, sucrose, and mixture of glucose and fructose ingestions on postexercise hydration state in young men. <i>European Journal of Nutrition</i> , 2021 , 60, 4519-4529	5.2	2
46	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
45	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
44	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
43	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
42	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
41	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
40	Does ageing alter skin vascular function in humans when spatial variation is considered?. <i>Microcirculation</i> , 2021 , e12743	2.9	0
39	Regional influence of nitric oxide on cutaneous vasodilatation and sweating during exercise-heat stress in young men. <i>Experimental Physiology</i> , 2020 , 105, 773-782	2.4	0

38	Effects of Casein Hydrolysate Ingestion on Thermoregulatory Responses in Healthy Adults during Exercise in Heated Conditions: A Randomized Crossover Trial. <i>Nutrients</i> , 2020 , 12,	6.7	1
37	Does β adrenergic 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
36	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	3.2	4
35	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
34	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
33	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
32	Ageing augments β adrenergic cutaneous vasodilatation differently in men and women, with no effect on β adrenergic sweating. <i>Experimental Physiology</i> , 2020 , 105, 1720-1729	2.4	1
31	Regional contributions of nitric oxide synthase to cholinergic cutaneous vasodilatation and sweating in young men. <i>Experimental Physiology</i> , 2020 , 105, 236-243	2.4	1
30	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
29	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
28	Effect of ice slushy ingestion and cold water immersion on thermoregulatory behavior. <i>PLoS ONE</i> , 2019 , 14, e0212966	3.7	3
27	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
26	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
25	Contribution of nitric oxide synthase to cutaneous vasodilatation and sweating in men of black-African and Caucasian descent during exercise in the heat. <i>Experimental Physiology</i> , 2019 , 104, 1762-1768	2.4	1
24	The effects of exercise and passive heating on the sweat glands ion reabsorption rates. <i>Physiological Reports</i> , 2018 , 6, e13619	2.6	7
23	β 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> , 2018 , 118, 2669-2677	3.4	4
22	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
21	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

20	Mechanisms of nicotine-induced cutaneous vasodilation and sweating in young adults: roles for K _v , K _{Ca} , and K _{ATP} channels, nitric oxide, and prostanoids. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017 , 42, 470-478	3	14
19	Individual variations in nitric oxide synthase-dependent sweating in young and older males during exercise in the heat: role of aerobic power. <i>Physiological Reports</i> , 2017 , 5, e13208	2.6	14
18	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
17	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
16	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
15	Intradermal administration of endothelin-1 attenuates endothelium-dependent and -independent cutaneous vasodilation via Rho kinase in young adults. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017 , 312, R23-R30	3.2	1
14	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
13	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
12	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
11	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
10	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
9	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
8	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
7	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
6	Influence of exercise training with thigh compression on heat-loss responses. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015 , 25 Suppl 1, 173-82	4.6	1
5	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
4	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
3	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

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| 2 | 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 |
| 1 | Changes in eccrine sweating on the glabrous skin of the palm and finger during isometric exercise. <i>Acta Physiologica</i> , 2011 , 202, 649-55 | 5.6 | 9 |