Tatsuro Amano

List of Publications by Citations

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	Sex differences in age-related changes on peripheral warm and cold innocuous thermal sensitivity. *Physiology and Behavior*, **2016**, 164, 86-92	3.5	26
54	Characteristics of sweating responses and peripheral sweat gland function during passive heating in sprinters. *European Journal of Applied Physiology*, **2013**, 113, 2067-75	3.4	24
53	Changes in whole tissue heme concentration dissociates muscle deoxygenation from muscle oxygen extraction during passive head-up tilt. *Journal of Applied Physiology*, **2015**, 118, 1091-9	3.7	22
52	Sweating responses and the muscle metaboreflex under mildly hyperthermic conditions in sprinters and distance runners. *Journal of Applied Physiology*, **2011**, 111, 524-9	3.7	20
51	Determination of the maximum rate of eccrine sweat glands ion reabsorption using the galvanic skin conductance to local sweat rate relationship. *European Journal of Applied Physiology*, **2016**, 116, 281-90	3.4	16
50	Maximum rate of sweat ions reabsorption during exercise with regional differences, sex, and exercise training. *European Journal of Applied Physiology*, **2017**, 117, 1317-1327	3.4	15
49	Mechanisms of nicotine-induced cutaneous vasodilation and sweating in young adults: roles for K, K, and K channels, nitric oxide, and prostanoids. *Applied Physiology, Nutrition and Metabolism*, **2017**, 42, 470-478	3	14
48	Individual variations in nitric oxide synthase-dependent sweating in young and older males during exercise in the heat: role of aerobic power. *Physiological Reports*, **2017**, 5, e13208	2.6	14
47	Evidence for adrenergic modulation of sweating during incremental exercise in habitually trained males. *Journal of Applied Physiology*, **2017**, 123, 182-189	3.7	13
46	Modulation of muscle metaboreceptor activation upon sweating and cutaneous vascular responses to rising core temperature in humans. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2015**, 308, R990-7	3.2	9
45	Effects of isomaltulose ingestion on postexercise hydration state and heat loss responses in young men. *Experimental Physiology*, **2019**, 104, 1494-1504	2.4	9
44	Changes in eccrine sweating on the glabrous skin of the palm and finger during isometric exercise. *Acta Physiologica*, **2011**, 202, 649-55	5.6	9
43	Sweating response to passive stretch of the calf muscle during activation of forearm muscle metaboreceptors in heated humans. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2014**, 306, R728-34	3.2	8
42	Cutaneous adrenergic nerve blockade attenuates sweating during incremental exercise in habitually trained men. *Journal of Applied Physiology*, **2018**, 125, 1041-1050	3.7	8
41	Sweating responses to isometric hand-grip exercise and forearm muscle metaboreflex in prepubertal children and elderly. *Experimental Physiology*, **2017**, 102, 214-227	2.4	7
40	The influence of local skin temperature on the sweat glands maximum ion reabsorption rate. *European Journal of Applied Physiology*, **2019**, 119, 685-695	3.4	7
39	The effects of exercise and passive heating on the sweat glands ion reabsorption rates. *Physiological Reports*, **2018**, 6, e13619	2.6	7

38	The effect of dietary nitrate supplementation on the spatial heterogeneity of quadriceps deoxygenation during heavy-intensity cycling. *Physiological Reports*, **2017**, 5, e13340	2.6	7
37	Influence of forearm muscle metaboreceptor activation on sweating and cutaneous vascular responses during dynamic exercise. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2016**, 310, R1332-9	3.2	7
36	Influence of dietary nitrate supplementation on local sweating and cutaneous vascular responses during exercise in a hot environment. *European Journal of Applied Physiology*, **2018**, 118, 1579-1588	3.4	7
35	Evidence for TRPV4 channel induced skin vasodilatation through NOS, COX, and KCa channel mechanisms with no effect on sweat rate in humans. *European Journal of Pharmacology*, **2019**, 858, 172462	5.3	5
34	Do nitric oxide synthase and cyclooxygenase contribute to sweating response during passive heating in endurance-trained athletes?. *Physiological Reports*, **2017**, 5, e13403	2.6	5
33	NO-mediated activation of K channels contributes to cutaneous thermal hyperemia in young adults. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2020**, 318, R390-R398	3.2	4
32	Adrenergic receptor blockade does not modify non-thermal sweating during static exercise and following muscle ischemia in habitually trained individuals. *European Journal of Applied Physiology*, **2018**, 118, 2669-2677	3.4	4
31	Effect of ice slushy ingestion and cold water immersion on thermoregulatory behavior. *PLoS ONE*, **2019**, 14, e0212966	3.7	3
30	Does adrenergic receptor blockade modulate sweating during incremental exercise in young endurance-trained men?. *European Journal of Applied Physiology*, **2020**, 120, 1123-1129	3.4	3
29	Caffeine Exacerbates Hyperventilation and Reductions in Cerebral Blood Flow in Physically Fit Men Exercising in the Heat. *Medicine and Science in Sports and Exercise*, **2021**, 53, 845-852	1.2	3
28	TRPV4 channel blockade does not modulate skin vasodilation and sweating during hyperthermia or cutaneous postocclusive reactive and thermal hyperemia. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2021**, 320, R563-R573	3.2	3
27	Nicotinic receptors modulate skin perfusion during normothermia, and have a limited role in skin vasodilatation and sweating during hyperthermia. *Experimental Physiology*, **2019**, 104, 1808-1818	2.4	2
26	Effect of stride frequency on thermoregulatory responses during endurance running in distance runners. *Journal of Thermal Biology*, **2016**, 61, 61-66	2.9	2
25	The Spatial Distribution of Absolute Skeletal Muscle Deoxygenation During Ramp-Incremental Exercise Is Not Influenced by Hypoxia. *Advances in Experimental Medicine and Biology*, **2016**, 876, 19-26	3.6	2
24	Comparisons of isomaltulose, sucrose, and mixture of glucose and fructose ingestions on postexercise hydration state in young men. *European Journal of Nutrition*, **2021**, 60, 4519-4529	5.2	2
23	The sweat glands' maximum ion reabsorption rates following heat acclimation in healthy older adults. *Experimental Physiology*, **2021**, 106, 302-315	2.4	2
22	The effect of seasonal acclimatization on whole body heat loss response during exercise in a hot humid environment with different air velocity. *Journal of Applied Physiology*, **2021**, 131, 520-531	3.7	2
21	Measurement error of self-paced exercise performance in athletic women is not affected by ovulatory status or ambient environment. *Journal of Applied Physiology*, **2021**, 131, 1496-1504	3.7	2

20	Intradermal administration of endothelin-1 attenuates endothelium-dependent and -independent cutaneous vasodilation via Rho kinase in young adults. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2017**, 312, R23-R30	3.2	1
19	Effects of Casein Hydrolysate Ingestion on Thermoregulatory Responses in Healthy Adults during Exercise in Heated Conditions: A Randomized Crossover Trial. *Nutrients*, **2020**, 12,	6.7	1
18	Contribution of nitric oxide synthase to cutaneous vasodilatation and sweating in men of black-African and Caucasian descent during exercise in the heat. *Experimental Physiology*, **2019**, 104, 1762-1768	2.4	1
17	Influence of exercise training with thigh compression on heat-loss responses. *Scandinavian Journal of Medicine and Science in Sports*, **2015**, 25 Suppl 1, 173-82	4.6	1
16	The relative contribution of □and □adrenergic sweating during heat exposure and the influence of sex and training status. *Experimental Dermatology*, **2020**, 29, 1216-1224	4	1
15	Effects of L-type voltage-gated Ca channel blockade on cholinergic and thermal sweating in habitually trained and untrained men. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2020**, 319, R584-R591	3.2	1
14	Ageing augments □adrenergic cutaneous vasodilatation differently in men and women, with no effect on □adrenergic sweating. *Experimental Physiology*, **2020**, 105, 1720-1729	2.4	1
13	Effects of Isomaltulose Ingestion on Thermoregulatory Responses during Exercise in a Hot Environment. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	1
12	Type 2 diabetes impairs vascular responsiveness to nitric oxide, but not the venoarteriolar reflex or post-occlusive reactive hyperaemia in forearm skin. *Experimental Dermatology*, **2021**, 30, 1807-1813	4	1
11	Regional contributions of nitric oxide synthase to cholinergic cutaneous vasodilatation and sweating in young men. *Experimental Physiology*, **2020**, 105, 236-243	2.4	1
10	Eccrine sweat glands' maximum ion reabsorption rates during passive heating in older adults (50-84□years). *European Journal of Applied Physiology*, **2021**, 121, 3145-3159	3.4	1
9	Regional influence of nitric oxide on cutaneous vasodilatation and sweating during exercise-heat stress in young men. *Experimental Physiology*, **2020**, 105, 773-782	2.4	0
8	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. *Experimental Physiology*, **2021**, 106, 450-462	2.4	0
7	Does the iontophoretic application of bretylium tosylate modulate sweating during exercise in the heat in habitually trained and untrained men?. *Experimental Physiology*, **2020**, 105, 1692-1699	2.4	0
6	Effects of sex and menstrual cycle on sweating during isometric handgrip exercise and postexercise forearm occlusion. *Experimental Physiology*, **2021**, 106, 1508-1523	2.4	0
5	Na-K-ATPase plays a major role in mediating cutaneous thermal hyperemia achieved by local skin heating to 39□C. *Journal of Applied Physiology*, **2021**, 131, 1408-1416	3.7	0
4	Comparison of hydration efficacy of carbohydrate-electrolytes beverages consisting of isomaltulose and sucrose in healthy young adults: a randomized crossover trial.. *Physiology and Behavior*, **2022**, 113770	3.5	0
3	Does ageing alter skin vascular function in humans when spatial variation is considered?. *Microcirculation*, **2021**, e12743	2.9	0

List of Publications

2	Comparisons of cardiorespiratory and thermoregulatory responses to table tennis and cycling at similar perceived levels of effort **2021**,	
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