



ARIHHP SCHOLARLY ACTIVITIES 2022

- ◆ Research Articles: 117
- ◆ Books: 8
- ◆ Awards: 6

A. *Kokoro* Division

Research Articles

Ojio Y, Matsunaga A, Kawamura S, Horiguchi M, Yoshitani G, Hatakeyama K, Amemiya R, Kanie A, Fuji C. Anxiety and depressive symptoms in the new life with COVID-19: A comparative cross-sectional study in Japan rugby top league players. *International Journal of Public Health*, 66, 1604380, 2022.

Komine S, Miyazaki T, Ishikura K, Matsui T, Miyoshi T, Ra SG, Honda A, Soya H, Miyakawa S, Ohmori H. Taurine supplementation enhances endurance capacity by delaying blood glucose decline during prolonged exercise in rats. *Amino Acids*, 54(2): 251-260, 2022.

Jesmin S, Shima T, Soya M, Takahashi K, Omura K, Ogura K, Koizumi H, Soya H. Long-term light and moderate exercise intervention similarly prevent both hippocampal and glycemic dysfunction in presymptomatic type 2 diabetic rats. *Am J Physiol Endocrinol Metab*, 322(3): E219-E230, 2022

Aoki A, Togoobaatar G, Tseveenjav A, Nyam N, Zuunnast K, Lkhagvasuren G, Shagdar B-E, Mori R, Kikuchi A, Soya H, Kasai K, Takehara K. Socioeconomic and lifestyle factors associated with mental health problems among Mongolian elementary school children. *Social Psychiatry Psychiatric Epidemiology*, 57(4): 791-803, 2022

Fukuie T, Suwabe K, Kawase S, Shimizu T, Ochi G, Kuwamizu R, Sakairi Y, Soya H. Groove rhythm stimulates prefrontal cortex function in groove enjoyers. *Scientific Reports*, 12(1): 7377, 2022

Ochi G, Kuwamizu R, Suwabe K, Fukuie T, Hyodo K, Soya H. Cognitive fatigue due to exercise under normobaric hypoxia is related to hypoxemia during exercise. *Scientific*

Reports, 12(1): 9835, 2022.

Takahashi K, Shima T, Soya M, Yook J S, Koizumi H, Jesmin S, Saito T, Okamoto M, Soya H. Exercise-Induced Adrenocorticotrophic Hormone Response Is Cooperatively Regulated by Hypothalamic Arginine Vasopressin and Corticotrophin-Releasing Hormone. *Neuroendocrinology*, 112(9): 894-903, 2022.

Chroboczek M, Kujach S, Luszczuk M, Grzywacz T, Soya H, Laskowski R. Acute Normobaric Hypoxia Lowers Executive Functions among Young Men despite Increase of BDNF Concentration. *International journal of environmental research and public health*, 19(17): 10802, 2022.

Kuwamizu R, Yamazaki Y, Aoike N, Ochi G, Suwabe K, Soya H. Pupil-linked arousal with very light exercise: pattern of pupil dilation during graded exercise. *The Journal of Physiological Sciences*, 72(1): 23, 2022.

Chen FT, Soya H, Yassa MA, Li RH, Chu CH, Chen AG, Hung CL, Chang YK. Effects of exercise types on white matter microstructure in late midlife adults: Preliminary results from a diffusion tensor imaging study. *Frontiers in Aging Neuroscience*, 14, 943992. 2022.

DiProspero ND, Phelan M, Janecek J, Keator DB, van Erp TGM, Doran E, Lott I, Yassa MA. Reduced long-range default mode connectivity predicts conversion to Alzheimer's disease in older individuals with Down syndrome. *Journal of Alzheimer's Disease*, 85(1): 153-165, 2022.

Jutten RJ, Rentz DM, Fu JF, Mayblyum DV, Amariglio RE, Buckley RF, Properzi MJ, Maruff P, Stark CE, Yassa MA, Johnson KA, Sperling RA, Papp KV. Monthly At-Home Computerized Cognitive Testing to Detect Diminished Practice Effects in Preclinical Alzheimer's Disease. *Frontiers in Aging Neuroscience*, 13, 800126, 2022.

Moni F, Petersen M, Zhang F, Lao PJ, Zimmerman ME, Gu Y, Gutierrez J, Rizvi B, Laing KK, Igwe KC, Sathishkumar M, Keator D, Andrews A, Krinsky-McHale S, Head E, Lee JH, Lai L, Yassa MA, Rosas HD, Silverman W, Lott IT, Schupf N, O'Bryant S, Brickman AM. Probing the proteome to explore potential mediators of increased Alzheimer's-related cerebrovascular disease in adults with Down syndrome. *Alzheimer's and Dementia*, 18(10):1744-1753, 2022.

Chappel-Farley MG, Mander BA, Neikrug AB, Stehli A, Nan B, Grill JD, Yassa MA, Benca RM. Symptoms of obstructive sleep apnea are associated with less frequent exercise and worse subjective cognitive function across adulthood. *Sleep*, 45(3), zsab240, 2022.

Granger SJ, Adams JG, Kark SM, Sathishkumar M, Chen IY, McMillan L, Janecek J, Benca RM, Yassa MA. Latent anxiety in clinical depression is associated with worse recognition of emotional stimuli. *Journal of Affective Disorders* 301, 368-377, 2022.

Gattas S, Elias GA, Janecek J, Yassa MA, Fortin NJ. Proximal CA1 20-40 Hz power dynamics reflect trial-specific information processing supporting nonspatial sequence memory. *Elife*, 11, e55528, 2022.

Lao PJ, Zimmerman ME, Hartley S, Gutierrez J, Keator D, Igwe KC, Laing KK, Cotton-Samuel D, Sathishkumar M, Moni F, Andrews H, Krinsky-McHale S, Head E, Lee JH, Lai F, Yassa MA, Rosas HD, Silverman W, Lott IT, Schupf N, Brickman AM. Obstructive Sleep apnea, cerebrovascular disease, and amyloid in older adults with Down syndrome across the Alzheimer's continuum. *Sleep Advances*, 3(1), zpac013, 2022.

Queder N, Phelan MJ, Taylor L, Tustison N, Doran E, Hom C, Nguyen D, Lai F, Pulsifer M, Price J, Kreisl WC, Rosas DH, Krinsky-McHale S, Brickman B, Yassa MA, Schupf N, Silverman S, Lott IT, Keator DB. Joint-Label Fusion Brain Atlases for Dementia Research in Down Syndrome. *Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring*, 14(1), e12324, 2022.

Granger SJ, Colon-Perez L, Larson MS, Phelan M, Keator DB, Janecek JT, Sathishkumar MT, Smith AP, McMillan L, Greenia D, Corrada MM, Kawas CH, Yassa MA. Hippocampal dentate gyrus integrity revealed with ultrahigh resolution diffusion imaging predicts memory performance in older adults. *Hippocampus*, 32(9): 627-638, 2022.

Kark SM, Adams JG, Sathishkumar M, Granger SJ, McMillan L, Baram TZ, Yassa MA. Why do mothers never stop grieving for their deceased children? Enduring alterations of brain connectivity and function. *Frontiers in Human Neuroscience*, 16, 925242, 2022.

Adams JN, Kim S, Rizvi B, Sathishkumar M, Taylor L, Harris AL, Mikhail A, Keator DB, McMillan L, Yassa MA. Entorhinal-Hippocampal Circuit Integrity Is Related to Mnemonic Discrimination and Amyloid- β Pathology in Older Adults. *Journal of Neuroscience*, 42(46): 8742–8753, 2022.

Parkin GM, Kim S, Mikhail A, Malhas R, McMillan L, Hollearn M, Granger DA, Mapstone M, Yassa MA, Thomas E. Associations between saliva and plasma cytokines in cognitively normal, older adults. *Aging Clinical and Experimental Research*, 35, 117-126, 2022.

Rizvi B, Sathishkumar M, Kim S, Márquez F, Granger SJ, Larson MS, Miranda BA, Hollearn MK, McMillan L, Nan B, Tustison NJ, Lao PJ, Brickman AM, Greenia D, Corrada MM, Kawas CH, Yassa MA. Posterior white matter hyperintensities are associated with reduced medial temporal lobe subregional integrity and long-term memory in older adults. *Neuro Image Clinical*, 37, 103308, 2022.

+17 research articles

Books

3 books

Award

5 awards

B. *Waza* Division

Research Articles

Yang Y, Enomoto Y. Comparison of the Pace Pattern for the World and Japanese Elite 1500 m Runners. *Journal of Humanities, Arts and Social Science*, 6(4), 632-642, 2022.

Yang Y, Enomoto Y. The pace pattern of the men's 1500 m race with different levels. *Journal of Physical Education & Sport*, 22(10), 2022.

Suzuki Y, Hahn ME, Enomoto Y. Estimation of Foot Trajectory and Stride Length during Level Ground Running Using Foot-Mounted Inertial Measurement Units. *Sensors*,

22(19), 7129, 2022.

Koji HM, Hirokawa R, Sugita M, Enomoto Y, Kadono H, Suzuki Y. Reconstruction of walking motion without flight phase by using computer simulation on the world elite 20 km female race walkers during official race. *Gazzetta Medica Italiana-Archivio per le Scienze Mediche*, 181(5), 303-314. 2022.

Koga D, Tsunokawa T, Sengoku Y, Homoto K, Nakazono Y, Takagi H. Relationship between hand kinematics, hand hydrodynamic pressure distribution and hand propulsive force in sprint front crawl swimming. *Frontiers in Sports and Active Living*, 4, 2022.

Yamakawa KK, Shimojo H, Takagi H, Sengoku Y. Changes in kinematics and muscle activity with increasing velocity of underwater undulatory swimming. *Frontiers in Sports and Active Living*. 4:829618, 2022.

Kadi T, Wada T, Narita K, Tsunokawa T, Mankyu H, Tamaki H, Ogita F. Novel method for estimating propulsive force generated by swimmers' hands using inertial measurement units and pressure sensors. *Sensors*, 22(17), 2022.

Ando K, Sato T, Richardson E,V, Tomura T, Furuta Y, Kasahara H, Nishijima T. Japanese Female Professional Soccer Players' Views on Second Career Development. *Women in Sport and Physical Activity Journal*, First Published Online: 1-39, 2022.

Jo H, Matsuoka H, Ando K, Nishijima T. Achievement Standards and Causal Structure of Offensive Skill Measurement Items in Japan Professional Football League. *Football Science*, 19: 59-77, 2022.

Matsuoka H, Ando K, Nishijima T. Factor and causal structures of counter attack skill in soccer. *Football Science*, 19: 114-123, 2022.

Yamagiwa S, Yang W, Wada K. Adaptive Lossless Image Data Compression Method Inferring Data Entropy by Applying Deep Neural Network. *Electronics*, 11(4), 504-504, 2022.

Tian Danhe, Shinichi Yamagiwa, Koichi Wada. Heuristic Method for Minimizing Model

Size of CNN by Combining Multiple Pruning Techniques. *Sensors*, 22(15), 2022.

Satoshi Kato, Shinichi Yamagiwa. Predicting Successful Throwing Technique in Judo from Factors of Kumite Posture Based on a Machine-Learning Approach. *Computation*, 10(10), 2022.

+13 articles

Books

2 books

C. *Karada* Division

Research Articles

Aoyama T, Hikihara Y, Watanabe M, Wakabayashi H, Hanawa S, Omi N, Takimoto H, Tanaka S. Association Between Age of Achieving Gross Motor Development Milestones During Infancy and Body Fat Percentage at 6 to 7 Years of Age. *Maternal and Child Health Journal*, 26, 415-423, 2022.

Yuki Hikihara, Masashi Watanabe, Tomoko Aoyama, Hitoshi Wakabayashi, Satoshi Hanawa, Naomi Omi, Shigeho Tanaka. Does earlier acquisition of motor competence promote pubertal physical activity in Japanese elementary school children : A 4-year follow-up study. *JOURNAL OF SPORTS SCIENCES*, 40(18), 2000-2009, 2022.

Kai Aoki, Kei Ebina, Hana Shingu, Kazuki Kioka, Takehito, Sugasawa, Yasushi Kawakami, Kazuhiro Takekoshi, Naomi Omi. Female athlete triad affects rat intestinal morphology and sucrase-isomaltase expression. *British Journal of Nutrition*, 1-9, 2022.

Kakutano Y, Murata M, Koiwa A, Ono M, Sasahara I, Omi N. Development of Burden Scale for Dietary Behavior Appropriate for College Athletes. *Asian J Sports Med*, 13, e114936, 2022.

Satoshi Hattori, Yuki Aikawa, Naomi Omi. Female Athlete Triad and Male Athlete Triad Syndrome Induced by Low Energy Availability : An Animal Model. *Calcified Tissue International*, 111(2), 2022.

Lakicevic N, Reale R, D'Antona G, Kondo E, Sagayama H, Bianco A, Drid P. Disturbing weight cutting behaviors in young combat sports athletes: A cause for concern. *Frontiers in Nutrition*, 9, 842262, 2022.

Rimbach R, Yamada Y, Sagayama H, Ainslie PN, Anderson LF, Anderson LJ, Arab L, Baddou I, Bedu-Addo K, Blaak EE, Blanc S, Bonomi AG, Bouten CVC, Bovet P, Buchowski MS, Butte NF, Camps SGJA, Close GL, Cooper JA, Das SK, Dugas LR, Ekelund U, Entringer S, Forrester T, Fudge BW, Goris AH, Gurven M, Hambly C, El Hamdouchi A, Hoos MB, Hu S, Joonas N, Joosen AM, Katzmarzyk P, Kempen KP, Kimura M, Kraus WE, Kushner RF, Lambert EV, Leonard WR, Lessan N, Martin CK, Medin AC, Meijer EP, Morehen JC, Morton JP, Neuhouser ML, Nicklas TA, Ojiambo RM, Pietiläinen KH, Pitsiladis YP, Plange-Rhule J, Plasqui G, Prentice RL, Rabinovich RA, Racette SB, Raichlen DA, Ravussin E, Reynolds RM, Roberts SB, Schuit AJ, Sjödin AM, Stice E, Urlacher SS, Valenti G, Van Etten LM, Van Mil EA, Wells JCK, Wilson G, Wood BM, Yanovski J, Yoshida T, Zhang X, Murphy-Alford AJ, Loechl CU, Luke AH, Rood J, Schoeller DA, Westerterp KR, Wong WW, Speakman JR, Pontzer H; IAEA DLW Database Consortium. Total energy expenditure is repeatable in adults but not associated with short-term changes in body composition. *Nature Communication*, 13(1), 99, 2022.

Uchizawa A, Kondo E, Lakicevic N, Sagayama H. Differential risks of the duration and degree of weight control on bone health and menstruation in female athletes. *Frontiers in Nutrition*, 2022.

Yamada Y, Zhang X, Henderson MET, Sagayama H, Pontzer H, Watanabe D, Yoshida T, Kimura M, Ainslie PN, Andersen LF, Anderson LJ, Arab L, Baddou I, Bedu-Addo K, Blaak EE, Blanc S, Bonomi AG, Bouten CVC, Bovet P, Buchowski MS, Butte NF, Camps SG, Close GL, Cooper JA, Cooper R, Das SK, Dugas LR, Eaton S, Ekelund U, Entringer S, Forrester T, Fudge BW, Goris AH, Gurven M, Halsey LG, Hambly C, El Hamdouchi A, Hoos MB, Hu S, Joonas N, Joosen AM, Katzmarzyk P, Kempen KP, Kraus WE, Kriengsinyos W, Kushner RF, Lambert EV, Leonard WR, Lessan N, Martin CK, Medin AC, Meijer EP, Morehen JC, Morton JP, Neuhouser ML, Nicklas TA, Ojiambo RM, Pietiläinen KH, Pitsiladis YP, Plange-Rhule J, Plasqui G, Prentice RL, Rabinovich RA, Racette SB, Raichlen DA, Ravussin E, Redman LM, Reilly JJ, Reynolds RM, Roberts SB, Schuit AJ, Sardinha LB, Silva AM, Sjödin AM, Stice E, Urlacher SS, Valenti G, Van Etten LM, Van Mil EA, Wells JCK, Wilson G, Wood BM, Yanovski JA, Murphy-Alford AJ,

Loechl CU, Luke AH, Rood J, Westerterp KR, Wong WW, Miyachi M, Schoeller DA, Speakman JR. International Atomic Energy Agency (IAEA) Doubly Labeled Water (DLW) Database Consortium: Variation in human water turnover associated with environmental and lifestyle factors. *Science*, 378, 909-915, 2022.

Yasukata J, Yamada Y, Sagayama H, Higaki Y, Tanaka H. Relationship between measured aerobic capacity and total energy expenditure obtained by the doubly labeled water method in community-dwelling, healthy adults aged 81-94 years. *Geriatrics*, 7, 48, 2022.

Zhang X, Yamada Y, Sagayama H, Ainslie PN, Blaak EE, Buchowski MS, Close GL, Cooper JA, Das SK, Dugas LR, Gurven M, El Hamdouchi A, Hu S, Joonas N, Katzmarzyk P, Kraus WE, Kushner RF, Leonard WR, Martin CK, Meijer EP, Neuhouser ML, Ojiambo RM, Pitsiladis YP, Plasqui G, Prentice RL, Racette SB, Ravussin E, Redman LM, Reynolds RM, Roberts SB, Sardinha LB, Silva AM, Stice E, Urlacher SS, Van Mil EA, Wood BM, Murphy-Alford AJ, Loechl C, Luke AH, Rood J, Schoeller DA, Westerterp KR, Wong WW, Pontzer H, Speakman JR. IAEA DLW database consortium: Human total, basal and activity energy expenditures are independent of ambient environmental temperature. *Science*, 25, 2022.

Matsuda T, Takahashi H, Nakamura M, Kanno M, Ogata H, Ishikawa A, Yamada M, Kamemoto K, Sakamaki-Sunaga M. Influence of menstrual cycle on muscle glycogen utilization during high-intensity intermittent exercise until exhaustion in healthy women. *Applied Physiology Nutrition Metabolism*, 47(6), 671-680, 2022.

Motonaga K, Kondo E, Osawa T, Shiose K, Kamei A, Taguchi M, Takahashi H. Effect of Different Carbohydrate Intakes within 24 Hours after Glycogen Depletion on Muscle Glycogen Recovery in Japanese Endurance Athletes. *Nutrients*, 14, 1320, 2022.

Naito T, Haramura M, Muraishi K, Yamazaki M, Takahashi H. Cooling during short-term heat acclimation enhances aerobic capacity but not sweat capacity. *European journal of sport science*, 22(4), 579-588, 2022.

Naito T, Nakamura M, Muraishi K, Eda N, Ando K, Takemura A, Akazawa N, Hasegawa H, Takahashi H. In-play optimal cooling for outdoor match-play tennis in the heat. *European Journal of Sport Science*, 22, 326-335, 2022.

Nakamura M, Naito T, Saito T, Takahashi A, Muraishi K, Hakamada N, Otomo M, Iizuka S, Nakamura D, Takahashi H. Countermeasures against heat and coronavirus for Japanese athletes at the Tokyo 2020 Olympic and Paralympic Games. *Frontiers in sports and active living*, 4, 878022, 2022.

Namma-Motonag Ka, Kondo E, Osawa T, Shiose K, Kamei A, Taguchi M, Takahashi H. Effect of different carbohydrate intakes within 24 hours after glycogen depletion on muscle glycogen recovery in Japanese endurance athletes. *Nutrients*, 14(7), 1320, 2022.

Tanabe Y, Akazawa N, Nishimaki M, Shimizu K, Fujii N, Takahashi H. Effects of 6-(Methylsulfinyl) hexyl isothiocyanate ingestion on muscle damage after eccentric exercise in healthy males: a pilot placebo-controlled double-blind crossover study. *Journal of dietary supplements*, 19(5), 656-671, 2022.

Yoshiko A, Maeda H, Takahashi H, Koike T, Tanaka N, Akima H. Contribution of skeletal muscle and serum lipids to muscle contraction induced by neuromuscular electrical stimulation in older individuals. *Physiological Reports*, 10(6), e15236, 2022.

Yoshiko A, Maeda H, Takahashi H, Koike T, Tanaka N, Akima H. Importance of skeletal muscle lipid levels for muscle function and physical function in older individuals. *Applied Physiology Nutrition Metabolism*, 47(6), 649-658, 2022.

Choi Y, Nakamura Y, Akazawa N, Park I, Kwak HB, Tokuyama K, Maeda S. Effects of nocturnal light exposure on circadian rhythm and energy metabolism in healthy adults: A randomized crossover trial. *Chronobiol Int* 39:602-612, 2022.

Park I, Kokudo C, Seol J, Ishihara A, Zhang S, Uchizawa A, Osumi H, Miyamoto R, Horie K, Suzuki C, Suzuki Y, Okura T, Diaz J, Vogt KE, Tokuyama K. Instability of non-REM sleep in older women evaluated by sleep-stage transition and envelope analyses. *Frontiers in Aging Neuroscience* 14:1050648, 2022.

Seol J, Lee J, Park I, Tokuyama K, Fukusumi S, Kokubo T, Yanagisawa M, Okura T. Bidirectional associations between physical activity and sleep in older adults: a multilevel analysis using polysomnography: Observational Study. *Sci Rep*, 12:15399, 2022.

Kim J, Mizushima R, Nishida K, Morimoto M, Nakata Y. Multi-Component Intervention to Promote Physical Activity in Japanese Office Workers: A Single-Arm Feasibility Study. *International Journal of Environmental Research and Public Health*, 19(24), 16859, 2022.

Kim J, Mizushima R, Nishida K, Morimoto M, Nakata Y. Proposal of a Comprehensive and Multi-Component Approach to Promote Physical Activity among Japanese Office Workers: A Qualitative Focus Group Interview Study. *International Journal of Environmental Research and Public Health*, 19(4), 2172, 2022.

Nakata Y, Sasai H, Goshō M, Kobayashi H, Shi Y, Ohigashi T, Mizuno S, Murayama C, Kobayashi S, Sasaki Y. A Smartphone Healthcare Application, CALO mama Plus, to Promote Weight Loss: A Randomized Controlled Trial. *Nutrients*, 14(21), 4608, 2022.

Shigematsu R, Katoh S, Suzuki K, Nakata Y, Sasai H. Risk Factors of Sports-Related Injury in School-Aged Children and Adolescents: A Retrospective Questionnaire Survey. *International Journal of Environmental Research and Public Health*, 19(14), 8662, 2022.

Fujii N, McGarr GW, Amano T, Boulay P, Nishiyasu T, Kenny GP. Does aging alter skin vascular function in humans when spatial variation is considered? *Microcirculation*, 29(2), e12743, 2022.

Kataoka Y, Kenny GP, Nishiyasu T, Amano T, Mündel T, Zheng H, Lei TH, Watanabe K, Fujii N. TRPA1 Channel Activation With Cinnamaldehyde Induces Cutaneous Vasodilation Through NOS, but Not COX and KCa Channel, Mechanisms in Humans. *J Cardiovasc Pharmacol*, 79(3), 375-382, 2022.

Moriyama S, Ichinose M, Dobashi K, Matsutake R, Sakamoto M, Fujii N, Nishiyasu T. Hypercapnia elicits differential vascular and blood flow responses in the cerebral circulation and active skeletal muscles in exercising humans. *Physiol Rep*, 10(8), e15274, 2022.

Cao Y, Fujii N, Fujimoto T, Lai YF, Ogawa T, Hiroyama T, Enomoto Y, Nishiyasu T. CO₂-Enriched Air Inhalation Modulates the Ventilatory and Metabolic Responses of Endurance Runners During Incremental Running in Hypobaric Hypoxia. *High Alt Med*

Biol, 23(2), 125-134, 2022.

Dobashi K, Ichinose M, Fujii N, Fujimoto T, Nishiyasu T. Effects of Pre-Exercise Voluntary Hyperventilation on Metabolic and Cardiovascular Responses During and After Intense Exercise. *Res Q Exerc Sport*, 1-12, .2022.

Dobashi K, Katagiri A, Fujii N, Nishiyasu T. Combined Effects of Hypocapnic Hyperventilation and Hypoxia on Exercise Performance and Metabolic Responses During the Wingate Anaerobic Test. *Int J Sports Physiol Perform*, 18(1), 69-76, 2022.

Fujii N, Amano T, Kenny GP, Mündel T, Lei TH, Honda Y, Kondo N, Nishiyasu T. TMEM16A blockers T16Ainh-A01 and benzbrumarone do not modulate the regulation of sweating and cutaneous vasodilatation in humans in vivo. *Exp Physiol*.107(8):844-853.2022.

Fujii N, Kataoka Y, Lai YF, Shirai N, Hashimoto H, Nishiyasu T. Ingestion of carbonated water increases middle cerebral artery blood velocity and improves mood states in resting humans exposed to ambient heat stress. *Physiol Behav*.255:113942. 2022.

Amano T, Fujii N, Kenny GP, Okamoto Y, Inoue Y, Kondo N. Effects of tetraethylammonium-sensitive K⁺ channel blockade on cholinergic and thermal sweating in endurance-trained and untrained men. *Exp Physiol*. 107(5):441-449.2022.

Amano T, Watanabe D, Otsuka J, Okamoto Y, Takada S, Fujii N, Kenny GP, Enoki Y, Maejima D. Comparison of hydration efficacy of carbohydrate-electrolytes beverages consisting of isomaltulose and sucrose in healthy young adults: A randomized crossover trial. *Physiol Behav*. 249:113770.2022.

Fujii N, Meade RD, Schmidt MD, King KE, Boulay P, Ruzicka M, Amano T, Kenny GP. The effect of acute intradermal administration of ascorbate on heat loss responses in older adults with uncomplicated controlled hypertension. *Exp Physiol*.107(8):834-843.2022.

King KE, McCormick JJ, Notley SR, Fujii N, Kenny GP. Serum Klotho Concentrations in Young and Older Men During Prolonged Exercise in Temperate and Hot Conditions. *Curr Aging Sci*.15(2):180-185.2022.

McCormick JJ, King KE, Notley SR, Fujii N, Boulay P, Sigal RJ, Amano T, Kenny GP. The serum irisin response to prolonged physical activity in temperate and hot environments in older men with hypertension or type 2 diabetes. *J Therm Biol*.110:103344.2022.

McCormick JJ, King KE, Notley SR, Fujii N, Boulay P, Sigal RJ, Kenny GP. Exercise in the heat induces similar elevations in serum irisin in young and older men despite lower resting irisin concentrations in older adults. *J Therm Biol*, 104, 103189, 2022.

McGarr GW, King KE, Cassan CJM, Janetos KT, Fujii N, Kenny GP. Involvement of nitric oxide synthase and reactive oxygen species in TRPA1-mediated cutaneous vasodilation in young and older adults. *Microvasc Res*. 145:104443.2022.

Takada S, Otsuka J, Okamoto Y, Watanabe D, Aoki M, Fujii N, Kenny GP, Enoki Y, Maejima D, Amano T. Effects of ingestion of isomaltulose beverage on plasma volume and thermoregulatory responses during exercise in the heat. *Eur J Appl Physiol*. 122(12):2615-2626.2022.

Zheng H, Badenhorst CE, Lei TH, Che Muhamed AM, Liao YH, Fujii N, Kondo N, Mündel T. Do E2 and P4 contribute to the explained variance in core temperature response for trained women during exertional heat stress when metabolic rates are very high? *Eur J Appl Physiol*.122(10):2201-2212.2022.

Suzuki J, Kishi K, Monma T, Takeda F. The function of sense of coherence(SOC) among Japanese middle-aged women in urban areas. 現代 QOL 研究. 5, 5-15, 2022.

+6 articles

Books

3 books

Award

1 award