



ARIHHP SCHOLARLY ACTIVITIES 2019

- ◆ Research Articles: 130
- ◆ Book Chapters: 5
- ◆ Distinctions/Awards: 12

A. Department of **Mind**

Research Articles

Takehara K, Togoobaatar G, Kikuchi A, Lkagvasuren G, Lkagvasuren A, Aoki A, Fukuie T, Suwabe K, Shagdar BE, Mikami M, Mori R, Soya H. The effectiveness of exercise intervention for academic achievement, cognitive function, and physical health among children in Mongolia: a cluster RCT study protocol. *BMC Public Health*, 19(1): 697, 2019.

Yook JS, Randeep R, Shibato J, Takahashi K, Koizumi H, Shima T, Ikemoto M, Oharomari LK, McEwen BS, Soya H. Leptin in hippocampus mediates benefits of mild exercise by an antioxidant on neurogenesis and memory. *Proc Natl Acad Sci USA*, 116(22): 10988-10993, 2019.

Hyodo K, Jindo T, Suwabe K, Soya H, Nagamatsu T. Acute effects of light-intensity, slow-tempo aerobic dance exercise on mood and executive function in older adults. *Bull Phys Fit Res Inst*, 117: 8-16, 2019.

Soya M, Jesmin S, Shima T, Soya H. Dysregulation of glycogen metabolism with concomitant spatial memory dysfunction in type 2 diabetes: Potential beneficial effects of chronic exercise. *Adv Neurobiol*, 23: 363-383, 2019.

Matsui T, Soya M, Soya H. Endurance and Brain Glycogen: A clue toward understanding central fatigue. *Adv Neurobiol*, 23: 331-346, 2019.

Matsui T, Liu Y-F, Soya M, Shima T, Soya H. Tyrosine as a mechanistic-based biomarker

for brain glycogen decrease and supercompensation with endurance exercise in rats: a metabolomics study of plasma. *Front Neurosci*, 13: 200, 2019.

Zheng J, Stevenson RF, Mander BA, Mnatsakanyan L, Hsu FPK, Vadera S, Knight RT, Yassa MA, Lin JJ. Multiplexing of theta and alpha rhythms in the amygdala-hippocampal circuit supports pattern separation of emotional information. *Neuron*, 102(4): 887-898, 2019.

Márquez F, Yassa MA. Neuroimaging biomarkers for Alzheimer's disease. *Mol Neurodegener*, 14: 21, 2019.

Brown ES, Kulikova A, Van Enkevort E, Nakamura A, Ivleva EI, Tustison NJ, Roberts J, Yassa MA, Choi C, Frol A, Khan DA, Vazquez M, Holmes T, Malone K. A randomized trial of an NMDA receptor antagonist for reversing corticosteroid effects on the human hippocampus. *Neuropsychopharmacology*, 44: 2263-2267, 2019.

Tustison NJ, Holbrook AJ, Avants BB, Roberts JM, Cook PA, Reagh ZM, Duda JT, Stone JR, Gillen DL, Yassa MA. Longitudinal mapping of cortical thickness measurements: An Alzheimer's Disease Neuroimaging Initiative-based evaluation study. *J Alzheimers Dis*, 71(1): 165-183, 2019.

Nguyen DM, Yassa MA, Tustison NJ, Roberts JM, Kulikova A, Nakamura A, Ivleva EI, Van Enkevort E, Brown ES. The relationship between cumulative exogenous corticosteroid exposure and volumes of hippocampal subfields and surrounding structures. *J Clin Psychopharmacol*, 39(6): 653-657, 2019.

Yaros JL, Salama DA, Delisle D, Larson MS, Miranda BA, Yassa MA. A memory computational basis for the other-race effect. *Sci Rep*, 9: 19399, 2019.

Brown ES, Sayed N, Choi C, Tustison N, Roberts J, Yassa MA, Van Enkevort E, Nakamura A, Ivleva EI, Sunderajan P, Khan DA, Vazquez M, McEwen B, Kulikova A, Frol AB, Holmes T. A randomized, double-blind, placebo-controlled trial of lamotrigine for prescription corticosteroid effects on the human hippocampus. *Eur Neuropsychopharmacol*, 29(3): 376-383, 2019.

Montchal M, Reagh ZM, Yassa MA. Precise temporal memories are supported by the

lateral entorhinal cortex in humans. *Nat Neurosci*, 22, 284-288, 2019.

Amemiya R, Sakairi Y. The effects of passion and mindfulness on the intrinsic motivation of Japanese athletes. *Pers Individ Differ*, 142: 132-138, 2019.

Sakai S, Inoue-Sato M, Amemiya R, Murakami M, Inagaki K, Sakairi Y. The influence of autogenic training on the physical properties of skin and cardiac autonomic activity in postmenopausal women: an exploratory study. *Int J Dermatol*, 59(1): 103-109, 2019.

Amemiya R, Sakairi Y. The role of mindfulness in performance and mental health among Japanese athletes -An examination of the relationship between alexithymic tendencies, burnout, and performance-. *J Hum Sport Exerc*, 14(2): 456-468, 2019.

+9 articles

Books

2 books

Distinctions/Awards

3 awards

B. Department of **Body**

Research Articles

Fujii N, Amano T, Kenny GP, Honda Y, Kondo N, Nishiyasu T. Nicotinic receptors modulate skin perfusion during normothermia, and have a limited role in skin vasodilatation and sweating during hyperthermia. *Exp Physiol*, 104(12): 1808-1818, 2019.

Fujii N, McGarr GW, Sigal RJ, Boulay P, Nishiyasu T, Kenny GP. Ageing augments nicotinic and adenosine triphosphate-induced, but not muscarinic, cutaneous vasodilatation in women. *Exp Physiol*, 104(12): 1801-1807, 2019.

Amano T, Sugiyama Y, Okumura J, Fujii N, Kenny GP, Nishiyasu T, Inoue Y, Kondo N, Sasagawa K, Enoki Y, Maejima D. Effects of isomaltulose ingestion on postexercise hydration state and heat loss responses in young men. *Exp Physiol*, 104(10): 1494-1504, 2019.

Fujii N, Kenny GP, Amano T, Honda Y, Kondo N, Nishiyasu T. Evidence for TRPV4 channel induced skin vasodilatation through NOS, COX, and KCa channel mechanisms with no effect on sweat rate in humans. *Eur J Pharmacol*, 858: 172462, 2019.

Fujii N, McGarr GW, Ichinose M, Nishiyasu T, Kenny GP. Tetraethylammonium, glibenclamide, and 4-aminopyridine modulate post-occlusive reactive hyperemia in non-glabrous human skin with no roles of NOS and COX. *Microcirculation*, 27(1): e12586, 2019.

McGarr GW, Fujii N, McNeely BD, Hatam K, Nishiyasu T, Sigal RJ, Boulay P, Kenny GP. Superoxide and NADPH oxidase do not modulate skin blood flow in older exercising adults with and without type 2 diabetes. *Microvasc Res*, 25: 103886, 2019.

McGarr GW, Fujii N, Muia CM, Nishiyasu T, Kenny GP. Separate and combined effects of KCa and KATP channel blockade with NOS inhibition on cutaneous vasodilation and sweating in older men during heat stress. *Am J Physiol Regul Integr Comp Physiol*, 317(1): R113-R120, 2019.

Fujii N, Hatam K, McGarr GW, Meade RD, Boulay P, Nishiyasu T, Kenny GP. Exogenous

activation of protease-activated receptor 2 attenuates cutaneous vasodilatation and sweating in older men exercising in the heat. *Skin Pharmacol Physiol*, 32(5): 235-243, 2019.

Cao Y, Ichikawa Y, Sasaki Y, Ogawa T, Hiroyama T, Enomoto Y, Fujii N, Nishiyasu T. Expiratory flow limitation under moderate hypobaric hypoxia does not influence ventilatory responses during incremental running in endurance runners. *Physiol Rep*, 7: e13996, 2019.

Fujii N, Kashihara M, Kenny GP, Honda Y, Fujimoto T, Cao Y, Nishiyasu T. Carotid chemoreceptors have a limited role in mediating the hyperthermia-induced hyperventilation in exercising humans. *J Appl Physiol*, 126(2): 305-313, 2019.

Fujii N, McGarr GW, Hatam K, Chandran N, Muia CM, Nishiyasu T, Boulay P, Ghassa R, Kenny GP. Heat shock protein 90 does not contribute to cutaneous vasodilatation in older adults during heat stress. *Microcirculation*, 26(2): e12541, 2019.

Fujii N, McGarr GW, Nishiyasu T, Sigal RJ, Boulay P, Kenny GP. Ageing attenuates muscarinic - mediated sweating differently in men and women with no effect on nicotinic - mediated sweating. *Exp Dermatol*, 28(8): 968-971, 2019.

Fujimoto T, Tsuji B, Sasaki Y, Dobashi K, Sengoku Y, Fujii N, Nishiyasu T. Low-intensity exercise delays the shivering response to core cooling. *Am J Physiol Regul Integr Comp Physiol*, 316(5): R535-R542, 2019.

Ogawa T, Fujii N, Kurimoto Y, Nishiyasu T. Effect of hypobaria on maximal ventilation, oxygen uptake, and exercise performance during running under hypobaric normoxic conditions. *Physiol Rep*, 7(3): e14002, 2019.

Tsuji B, Hoshi Y, Honda Y, Fujii N, Sasaki Y, Cheung SS, Kondo N, Nishiyasu T. Respiratory mechanics and cerebral blood flow during heat-induced hyperventilation and its voluntary suppression in passively heated humans. *Physiol Rep*, 7(1): e13967, 2019.

Muia CM, McGarr GW, Schmidt MD, Fujii N, Amano T, Kenny GP. Contribution of nitric oxide synthase to cutaneous vasodilatation and sweating in men of black-African and

Caucasian descent during exercise in the heat. *Exp Physiol*, 104(12): 1762-1768, 2019.

Notley SR, Poirier MP, Sigal RJ, D'Souza A, Flouris AD, Fujii N, Kenny GP. Exercise Heat Stress in Patients With and Without Type 2 Diabetes. *JAMA*, 322(14): 1409-1411, 2019.

Meade RD, Fujii N, McGarr GW, Alexander LM, Boulay P, Sigal RJ, Kenny GP. Local arginase inhibition does not modulate cutaneous vasodilation or sweating in young and older men during exercise. *J Appl Physiol*, 126(4): 1129-1137, 2019.

Igarashi Y, Akazawa N, Maeda S. Effects of aerobic exercise alone on lipids in healthy East Asians: A systematic review and meta-analysis. *J Atheroscler Thromb*, 26(5): 488-503, 2019.

Kumagai H, Yoshikawa T, Myoenzono K, Kosaki K, Akazawa N, Tanahashi K, Tagawa K, Zempo-Miyaki A, Maeda S. Role of high physical fitness in deterioration of male sexual function in Japanese adult men. *Am J Mens Health*, 13(3): 1557988319849170, 2019.

Choi Y, Makita M, Yamamoto K, Nakamura Y, Nara T, Kawamura T, Fukuda H, Katano H, Miyakawa S, Maeda S. Effect of novel recovery garments utilizing nanodiamond- and nanoplatinum-coated materials (DPV576-C) on physical and psychological stress in baseball players: a randomized, placebo-controlled trial. *Eur J Sport Sci*, 19(7): 869-875, 2019.

Ra SG, Choi Y, Akazawa N, Kawanaka K, Ohmori H, Maeda S. Effects of taurine supplementation on vascular endothelial function at rest and after resistance exercise. *Adv Exp Med Biol*, 1155: 407-414, 2019.

Choi Y, Tanabe Y, Akazawa N, Zempo-Miyaki A, Maeda S. Curcumin supplementation attenuates a decrease in endothelial function following eccentric exercise. *J Exerc Nutr Biochem*, 23(2): 7-12, 2019.

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Matsui M, Kosaki K, Akazawa N, Takahashi K, Kuro-o M, Maeda S. Association between circulating fibroblast growth factor 21, aerobic fitness, and aortic blood pressure in middle-aged and older women. *J Phys Fitness Sports Med*, 8(5): 195-201, 2019.

Kosaki K, Osuka Y, Tanaka K, Maeda S. Effect of resistance training combined with aerobic exercise on aortic arterial stiffness in older adults: a secondary analysis of randomized trial. *J Phys Fitness Sports Med*, 8(5): 203-208, 2019.

Kosaki K, Sugaya T, Ohata K, Tanabe J, Hoshino S, Inoue K, Kimura K, Maeda S, Shibagaki Y, Kamijo-Ikemori A. Renoprotective effects of voluntary running exercise training on aldosterone-induced renal injury in human L-FABP chromosomal transgenic mice. *Hypertens Res*, 42: 1518-1527, 2019.

Akazawa N, Kobayashi N, Nakamura Y, Kumagai H, Choi Y, Maeda S. Effect of sleep efficiency on salivary metabolite profile and cognitive function during exercise in volleyball athletes. *Eur J Appl Physiol*, 119: 2215-2223, 2019.

Park J, Choi Y, Mizushima R, Yoshikawa T, Myoenzono K, Tagawa K, Matsui M, Tanaka K, Maeda S. Dietary modification reduces serum ANGPTL2 levels and arterial stiffness in overweight and obese men. *J Exerc Nutr Biochem*, 23(3): 39-44, 2019.

Nishimura M, Sasai H, Nakata Y, Maeda S. Effects of vibrotactile feedback on sedentary behaviors in adults: A pilot randomized controlled trial. *Int J Environ Res Public Health*, 16(23): E4612, 2019.

Hamasaki A, Akazawa N, Yoshikawa T, Myoenzono K, Tanahashi K, Sawano Y, Nakata Y, Maeda S. Combined effects of lactotripeptide and aerobic on cognitive function and cerebral oxygenation in middle-aged and older adults. *Am J Clin Nutr*, 109(2): 353-360, 2019.

Nakamura Y, Choi Y, Akazawa N, Park I, Kawana F, Satoh M, Tokuyama K, Maeda S. The effect of sleep quality on cognitive functions in young healthy men. *Adv Exerc Sport Physiol*, 24(4): 51-56, 2019.

Nakamura Y, Choi Y, Akazawa N, Park I, Kawana F, Satoh M, Tokuyama K, Maeda S.

Effect of bright-light exposure before sleep on the human urine metabolome. *J Phys Fitness Sports Med*, 8(2): 89-96, 2019.

Oikawa S, Lee M, Motohashi N, Maeda S, Akimoto T. An inducible knockout of Dicer in adult mice does not affect endurance exercise-induced muscle adaptation. *Am J Physiol Cell Physiol*, 316: C285-C292, 2019.

Tanabe Y, Chino K, Ohnishi T, Ozawa H, Sagayama H, Maeda S, Takahashi H. Effects of oral curcumin ingested before or after eccentric exercise on markers of muscle damage and inflammation. *Scand J Med Sci Sports*, 29(4): 524-534, 2019.

Tanabe Y, Chino K, Sagayama H, Lee HJ, Ozawa H, Maeda S, Takahashi H. Effective timing of curcumin ingestion to attenuate eccentric exercise-induced muscle soreness in men. *J Nutr Sci Vitaminol*, 65(1): 82-89, 2019.

Yoshikawa T, Kumagai H, Myoenzono K, Tsujimoto T, Tanaka K, Maeda S. Aerobic exercise training normalizes central blood pressure regulation after oral glucose loading in overweight/obese men. *Clin Exper Hypertens*, 41(1): 28-35, 2019.

Zempo-Miyaki A, Kumagai H, Yoshikawa T, Myoenzono K, So R, Otsuki T, Tanaka K, Maeda S. Pentraxin3 increases in adult overweight and obese men after weight-loss by dietary modification with exercise training. *Appl Physiol Nutr Metab*, 44(2): 111-117, 2019.

Fujii N, Hara H, Enomoto Y, Tanigawa S, Nishiyasu T. Effects of work-matched supramaximal intermittent vs. submaximal constant-workload warm-up on all-out effort power output at the end of 2 minutes of maximal cycling. *Eur J Sport Sci*, 19(3): 336-344, 2019.

Tanaka Y, Ogata H, Kayaba M, Ando A, Park I, Yajima K, Araki A, Suzuki C, Zhang S, Ishihara A, Takahashi K, Shoda J, Nabekura Y, Satoh M, Tokuyama K. Effect of a single bout of exercise on clock gene expression in human leukocyte. *Int J Environ Res Public Health*, 16: 4612, 2019.

Hattori S, Noguchi A, Sasagawa K, Ogata H, Kobayashi M, Omi N. Influence of isomaltulose ingestion on fat oxidation during incremental exercise in endurance

athletes. *Am J Sports Sci*, 7(4): 193-198, 2019.

Murakami H, Kawakami R, Nakae S, Yamada Y, Nakata Y, Ohkawara K, Sasai H, Ishikawa-Takata K, Tanaka S, Miyachi M. Accuracy of 12 wearable devices for estimating physical activity energy expenditure using a metabolic chamber and the doubly labeled water method: validation study. *JMIR MHealth Uhealth*, 7(8): e13938, 2019.

Araki R, Fujie K, Yuine N, Watabe Y, Nakata Y, Suzuki H, Isoda H, Hashimoto K. Olive leaf tea is beneficial for lipid metabolism in adults with prediabetes: an exploratory randomized controlled trial. *Nutr Res*, 67: 60-66, 2019.

Kumagai R, Muramatsu A, Fujii M, Katakura Y, Ito K, Fujie K, Nakata Y, Hashimoto K, Yagyu H. Comparison of glucose monitoring between Freestyle Libre Pro and iPro2 in patients with diabetes mellitus. *J Diabetes Investig*, 10(3): 851-856, 2019.

Nakata Y, Sasai H, Tsujimoto T, Hashimoto K, Kobayashi H. Web-based intervention to promote weight-loss maintenance using an activity monitor: A randomized controlled trial. *Prev Med Rep*, 14: 100839, 2019.

Monma T, Takeda F, Noguchi H, Takahashi H, Watanabe T, Tamiya N. Exercise or sports in midlife and healthy life expectancy: an ecological study in all prefectures in Japan. *BMC Public Health*, 19(1): 1238, 2019.

Kohda Y, Monma T, Yamane M, Mitsui T, Ando K, Jesmin S, Takeda F. Mental health status and related factors among visually impaired athletes. *J Clin Med Res*, 11(11): 729-739, 2019.

Tanimura J, Nakagawa H, Tanaka T, Kikuchi A, Osada S, Tanaka Y, Tokuyama K, Takamura T. The clinical course and potential underlying mechanisms of everolimus-induced hyperglycemia. *Endocrine J*, 66(7): 615-620, 2019.

Seol J, Fujii Y, Park I, Suzuki Y, Kawana F, Yajima K, Fukusumi S, Okura T, Satoh M, Tokuyama K, Kokubo T, Yanagisawa M. Distinct effects of orexin receptor antagonist and GABAA agonist on sleep and physical/cognitive functions after forced awakening. *Proc Natl Acad Sci USA*, 116(48): 24353-24358, 2019.

Kayaba M, Ogata H, Park I, Ishihara A, Kawana F, Kokubo T, Fukusumi S, Hayashi M, Tokuyama K, Yanagisawa M, Satoh M. Improvement of slow wave continuity by mattress with better body pressure dispersal. *Sleep Med Res*, 10(2): 1-5, 2019.

Aikawa Y, Kakutani Y, Agata U, Hattori S, Kiyono K, Ezawa I, Omi N. Adequate energy intake prevents low bone mass under exercise and low intake of nutrients in young female rats. *Am J Sports Sci*, 7(3): 127-135, 2019.

Hattori S, Noguchi A, Ogata H, Kobayashi M, Omi N. The Effect of Maple Syrup Ingestion on Fat Oxidation During Incremental Exercise in Endurance Athletes. *Am J Sports Sci*, 7(4): 149-154, 2019.

Omi N, Shiba H, Nishimura E, Tsukamoto S, Maruki-Uchida H, Oda M, Morita M. Effects of enzymatically modified isoquercitrin in supplementary protein powder on athlete body composition: a randomized, placebo-controlled, doubleblind trial. *J Int Soc Sports Nutr*, 16(1): 39-48, 2019.

Aikawa Y, Wakasugi Y, Narukawa T, Yamashita T, Sasai N, Umemura Y, Omi N, Ohtsuki M. Jump exercise and food restriction on bone parameters in young female rats. *Calcif Tissue Int* 105(5): 557-566, 2019.

Shiroma S, Kato Y, Watanabe C, Ozawa S, Tanakadate S, Omi N. Effect of class on dietary intake balance in junior high school students. *Ann Nutr Metab*, 75: 124, 2019.

Kato Y, Ode S, Omi N. Characteristics of eating habits in student athletes-examination based on gender difference. *Ann Nutr Metab*, 75: 220-221, 2019.

Ode S, Kato Y, Omi N. The effect of self-evaluation of dietary life on physical conditioning using meal check slip. *Ann Nutr Metab*, 75: 144, 2019.

Uchizawa A, Osumi H, Zhang S, Kunpei T, and Omi N. Relationship between energy expenditure, menstrual condition, and bone mineral density in female athlete triad. *Ann Nutr Metab*, 75: 147-148, 2019.

Kakutani Y, Koiwa A, Kamiya S, Ono M, Sasahara I, Omi N. Why do athletes choose

dietary supplements? Reliability and validity of the Dietary Supplement Choice Questionnaire (DSCQ) among Japanese college athletes. *J Nutr Sci Vitaminol*, 65(4): 343-348, 2019.

Ogata H, Hatamoto Y, Goto Y, Tajiri E, Yoshimura E, Kiyono K, Uehara Y, Kawanaka K, Omi N, Tanaka H. Association between breakfast skipping and postprandial hyperglycaemia after lunch in healthy young individuals. *Br J Nutr*, 122(4): 431-440, 2019.

Ogata H, Kayaba M, Tanaka Y, Yajima K, Iwayama K, Ando A, Park I, Kiyono K, Omi N, Satoh M and Tokuyama K. Effect of skipping breakfast for six days on energy metabolism and diurnal rhythm of blood glucose in young healthy Japanese males. *Am J Clin Nutr*, 110(1): 41-52, 2019.

Hattori S, Noguchi A, Sasagawa K, Ogata H, Kobayashi M, Omi N. Influence of isomaltulose ingestion on fat oxidation during incremental exercise in endurance athletes. *American Journal of Sports Science*, 7: 193-198, 2019.

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Watanabe D, Nanri H, Sagayama H, Yoshida T, Itoi A, Yamaguchi M, Yokoyama K, Watanabe Y, Goto C, Ebine N, Higaki Y, Ishikawa-Takata K, Kimura M, Yamada Y and Kyoto-Kameoka Study Group. Estimation of energy intake by a food frequency questionnaire: Calibration and validation with the doubly labeled water method in Japanese older people. *Nutrients*, 11(7): E1546, 2019.

+15 articles

Books

3 books

Distinctions/Awards

4 awards

C. Department of **Technique**

Research Articles

Yamagiwa S, Morita R, Marumo K. Reducing symbol search overhead on stream-based lossless data compression. *International Conference on Computational Science 2019 – ICCS 2019*, 619-626, 2019.

Wang G, Wada K, Yamagiwa S. Optimization in the parallelism extraction algorithm with spanning tree on a multi - GPU environment. *IEEJ Trans Electr Electron Eng*, 14(6): 862-869, 2019.

Gonjo T, Kishimoto T, Sanders R, Saito M, Takagi H. Front crawl body roll characteristics in a Paralympic medalist and national level swimmers with unilateral arm amputation. *Sports Biomech*, 1-17, 2019.

Homma M, Okamoto Y, Takagi H. How do elite artistic swimmers generate fluid forces by hand during sculling motions? *Sports Biomech*, 1-15, 2019.

Takagi H. The use of fluid mechanics to explore human swimming technique. *Research Outreach*, 2019.

Shimojo H, Gonjo T, Sakakibara J, Sengoku Y, Sanders R, Takagi H. A quasi three-dimensional visualization of unsteady wake flow in human undulatory swimming. *J Biomech*, 93: 60-69, 2019.

Watanabe K, Jesmin S, Murase Y, Takeda T, Shiraki T, Sengoku Y. Effects of repetitive altitude training on salivary immunoglobulin A secretion in collegiate swimmers. *J Clin Med Res*, 11(8): 550-555, 2019.

Chan A, Sakaue H, Muranaka M, Sakai M, Wakabayashi H, Sengoku Y. Pilot study: the effects of muscle cooling on metabolic responses and performance during Wingate anaerobic power test. *Sport and Olympic-Paralympic Studies Journal*, 4: 9-17, 2019.

Kasujja T, Sengoku Y. Review of planning and periodization in swimming for junior swimmers aged 11-16 years. *Sport and Olympic-Paralympic Studies Journal*, 4, 220-230, 2019.

Goff JE, Hong S and Asai T. Effect of a soccer ball's seam geometry on its aerodynamics and trajectory. *Proc Inst Mech Eng P J Sport Eng Technol*, 234(1): 19-29, 2019.

Hong S, Asai T, Weon BM. Surface patterns for drag modification in volleyballs. *Appl Sci*, 9(19): 4007, 2019.

Hong S, Goff JE, Asai T. Effect of a soccer ball's surface texture on its aerodynamics and trajectory. *Proc Inst Mech Eng P J Sport Eng Technol*, 233(1): 67-74, 2019.

Tsunokawa T, Mankyu H, Takagi H, Ogita F. The effect of using paddles on hand propulsive forces and Froude efficiency in arm-stroke-only front-crawl swimming at various velocities. *Hum Mov Sci*, 64: 378-388, 2019.

Miyashiro K, Nagahara R, Yamamoto K, Nishijima T. Kinematics of maximal speed sprinting with different running speed, leg length, and step characteristics. *Front sports act living*, 1: 1-10, 2019.

Seki K, Kyrolainen H, Numazu N, Ohyama-Byun K, Enomoto Y. Effects of Joint Kinetics on Energy Cost during Repeated Vertical Jumping. *Med Sci Sports Exerc*, 51(3): 532-538, 2019.

+10 articles

Distinctions/Awards

5 awards