

Hiroyuki Sagayama

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

857
citations

566801

15
h-index

525886

27
g-index

40
all docs

40
docs citations

40
times ranked

875
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Total energy expenditure is repeatable in adults but not associated with short-term changes in body composition. <i>Nature Communications</i> , 2022, 13, 99. | 5.8 | 7 |
| 2 | Disturbing Weight Cutting Behaviors in Young Combat Sports Athletes: A Cause for Concern. <i>Frontiers in Nutrition</i> , 2022, 9, 842262. | 1.6 | 3 |
| 3 | Relationship between Measured Aerobic Capacity and Total Energy Expenditure Obtained by the Doubly Labeled Water Method in Community-Dwelling, Healthy Adults Aged 81â€“94 Years. <i>Geriatrics (Switzerland)</i> , 2022, 7, 48. | 0.6 | 1 |
| 4 | Association Between the Prevalence of Frailty and Doubly Labeled Water-Calibrated Energy Intake Among Community-Dwelling Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 876-884. | 1.7 | 23 |
| 5 | A standard calculation methodology for human doubly labeled water studies. <i>Cell Reports Medicine</i> , 2021, 2, 100203. | 3.3 | 62 |
| 6 | Urinary N-terminal fragment of titin: A surrogate marker of serum creatine kinase activity after exercise-induced severe muscle damage. <i>Journal of Sports Sciences</i> , 2021, 39, 1437-1444. | 1.0 | 3 |
| 7 | Validation of skeletal muscle mass estimation equations in active young adults: A preliminary study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021, 31, 1897-1907. | 1.3 | 5 |
| 8 | Effects of an overnight high-carbohydrate meal on muscle glycogen after rapid weight loss in male collegiate wrestlers. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2021, 13, 96. | 0.7 | 3 |
| 9 | Energy compensation and adiposity in humans. <i>Current Biology</i> , 2021, 31, 4659-4666.e2. | 1.8 | 63 |
| 10 | Daily energy expenditure through the human life course. <i>Science</i> , 2021, 373, 808-812. | 6.0 | 234 |
| 11 | Physical activity and fat-free mass during growth and in later life. <i>American Journal of Clinical Nutrition</i> , 2021, 114, 1583-1589. | 2.2 | 22 |
| 12 | Comparison of isotope ratio mass spectrometry and cavity ring-down spectroscopy procedures and precision of the doubly labeled water method in different physiological specimens. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9188. | 0.7 | 5 |
| 13 | Metabolic flexibility during sleep. <i>Scientific Reports</i> , 2021, 11, 17849. | 1.6 | 4 |
| 14 | Novel Equations to Estimate Resting Energy Expenditure during Sitting and Sleeping. <i>Annals of Nutrition and Metabolism</i> , 2021, 77, 159-167. | 1.0 | 1 |
| 15 | Urinary N-Terminal Fragment of Titin Reflects Muscle Damage After a Soccer Match in Male Collegiate Soccer Players. <i>Journal of Strength and Conditioning Research</i> , 2021, 35, 360-365. | 1.0 | 6 |
| 16 | Association between Water and Energy Requirements with Physical Activity and Fat-Free Mass in Preschool Children in Japan. <i>Nutrients</i> , 2021, 13, 4169. | 1.7 | 2 |
| 17 | Validity of Bioimpedance Spectroscopy in the Assessment of Total Body Water and Body Composition in Wrestlers and Untrained Subjects. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 9433. | 1.2 | 6 |
| 18 | Evaluation of fat-free mass hydration in athletes and non-athletes. <i>European Journal of Applied Physiology</i> , 2020, 120, 1179-1188. | 1.2 | 11 |

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|----|---|-----|-----------|
| 19 | Bone mineral density in male weight-classified athletes is higher than that in male endurance-athletes and non-athletes. <i>Clinical Nutrition ESPEN</i> , 2020, 36, 106-110. | 0.5 | 13 |
| 20 | Total Energy Expenditure, Body Composition, Physical Activity, and Step Count in Japanese Preschool Children: A Study Based on Doubly Labeled Water. <i>Nutrients</i> , 2020, 12, 1223. | 1.7 | 6 |
| 21 | The effects of rapid weight loss and 3-h recovery on energy expenditure, carbohydrate, and fat oxidation in boxing athletes. <i>Journal of Sports Medicine and Physical Fitness</i> , 2019, 59, 1018-1025. | 0.4 | 3 |
| 22 | Estimation of Energy Intake by a Food Frequency Questionnaire: Calibration and Validation with the Doubly Labeled Water Method in Japanese Older People. <i>Nutrients</i> , 2019, 11, 1546. | 1.7 | 22 |
| 23 | Effective Timing of Curcumin Ingestion to Attenuate Eccentric Exercise-Induced Muscle Soreness in Men. <i>Journal of Nutritional Science and Vitaminology</i> , 2019, 65, 82-89. | 0.2 | 37 |
| 24 | Effect of Thoracic Gas Volume Changes on Body Composition Assessed by Air Displacement Plethysmography after Rapid Weight Loss and Regain in Elite Collegiate Wrestlers. <i>Sports</i> , 2019, 7, 48. | 0.7 | 7 |
| 25 | Total energy expenditure in elite open-water swimmers. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019, 44, 225-227. | 0.9 | 1 |
| 26 | Effects of oral curcumin ingested before or after eccentric exercise on markers of muscle damage and inflammation. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2019, 29, 524-534. | 1.3 | 52 |
| 27 | Total Energy Expenditure, Physical Activity Level, and Water Turnover of Collegiate Dinghy Sailors in a Training Camp. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2019, 29, 1-4. | 1.0 | 3 |
| 28 | Effect of the Health Tourism weight loss programme on body composition and health outcomes in healthy and excess-weight adults. <i>British Journal of Nutrition</i> , 2018, 119, 1133-1141. | 1.2 | 5 |
| 29 | Energy Deficit Required for Rapid Weight Loss in Elite Collegiate Wrestlers. <i>Nutrients</i> , 2018, 10, 536. | 1.7 | 18 |
| 30 | Ice slurry ingestion during break times attenuates the increase of core temperature in a simulation of physical demand of match-play tennis in the heat. <i>Temperature</i> , 2018, 5, 371-379. | 1.7 | 19 |
| 31 | Energy metabolism and body composition in athletes. <i>Japanese Journal of Physical Fitness and Sports Medicine</i> , 2018, 67, 357-364. | 0.0 | 0 |
| 32 | Energy Requirement Assessment in Japanese Table Tennis Players Using the Doubly Labeled Water Method. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2017, 27, 421-428. | 1.0 | 12 |
| 33 | Energy Requirement Assessment and Water Turnover in Japanese College Wrestlers Using the Doubly Labeled Water Method. <i>Journal of Nutritional Science and Vitaminology</i> , 2017, 63, 141-147. | 0.2 | 12 |
| 34 | Segmental extracellular and intracellular water distribution and muscle glycogen after 72-h carbohydrate loading using spectroscopic techniques. <i>Journal of Applied Physiology</i> , 2016, 121, 205-211. | 1.2 | 46 |
| 35 | Dilution space ratio of ^2H and ^{18}O of doubly labeled water method in humans. <i>Journal of Applied Physiology</i> , 2016, 120, 1349-1354. | 1.2 | 27 |
| 36 | The Relationship between Running Velocity and the Energy Cost of Turning during Running. <i>PLoS ONE</i> , 2014, 9, e81850. | 1.1 | 25 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Effects of rapid weight loss and regain on body composition and energy expenditure. Applied Physiology, Nutrition and Metabolism, 2014, 39, 21-27. | 0.9 | 34 |
| 38 | Measurement of body composition in response to a short period of overfeeding. Journal of Physiological Anthropology, 2014, 33, 29. | 1.0 | 9 |
| 39 | Validation of Web-Based Physical Activity Measurement Systems Using Doubly Labeled Water. Journal of Medical Internet Research, 2012, 14, e123. | 2.1 | 18 |