

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	Daily energy expenditure through the human life course. <i>Science</i> , 2021, 373, 808-812.	6.0	234
2	Energy compensation and adiposity in humans. <i>Current Biology</i> , 2021, 31, 4659-4666.e2.	1.8	63
3	A standard calculation methodology for human doubly labeled water studies. <i>Cell Reports Medicine</i> , 2021, 2, 100203.	3.3	62
4	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
5	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
6	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
7	Effects of rapid weight loss and regain on body composition and energy expenditure. <i>Applied Physiology, Nutrition and Metabolism</i> , 2014, 39, 21-27.	0.9	34
8	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
9	The Relationship between Running Velocity and the Energy Cost of Turning during Running. <i>PLoS ONE</i> , 2014, 9, e81850.	1.1	25
10	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
11	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
12	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
13	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
14	Energy Deficit Required for Rapid Weight Loss in Elite Collegiate Wrestlers. <i>Nutrients</i> , 2018, 10, 536.	1.7	18
15	Validation of Web-Based Physical Activity Measurement Systems Using Doubly Labeled Water. <i>Journal of Medical Internet Research</i> , 2012, 14, e123.	2.1	18
16	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
17	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
18	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

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19	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
20	Measurement of body composition in response to a short period of overfeeding. <i>Journal of Physiological Anthropology</i> , 2014, 33, 29.	1.0	9
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	Metabolic flexibility during sleep. <i>Scientific Reports</i> , 2021, 11, 17849.	1.6	4
30	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
31	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
32	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
33	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
34	Disturbing Weight Cutting Behaviors in Young Combat Sports Athletes: A Cause for Concern. <i>Frontiers in Nutrition</i> , 2022, 9, 842262.	1.6	3
35	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
36	Total energy expenditure in elite open-water swimmers. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019, 44, 225-227.	0.9	1

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37	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
38	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
39	Energy metabolism and body composition in athletes. <i>Japanese Journal of Physical Fitness and Sports Medicine</i> , 2018, 67, 357-364.	0.0	0