Dale A Schoeller

List of Publications by Year
in descending order

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230 papers	24,564 citations	82 h-index	150 g-index
		5569	7736
233 all docs	233 docs citations	233 times ranked	18449 citing authors

#	Article	IF	Citations
1	Using Intake Biomarkers to Evaluate the Extent of Dietary Misreporting in a Large Sample of Adults: The OPEN Study. American Journal of Epidemiology, 2003, 158, 1-13.	1.6	856
2	Structure of Dietary Measurement Error: Results of the OPEN Biomarker Study. American Journal of Epidemiology, 2003, 158, 14-21.	1.6	704
3	Estimation of total body water by bioelectrical impedance analysis. American Journal of Clinical Nutrition, 1986, 44, 417-424.	2.2	666
4	Total body water measurement in humans with 18O and 2H labeled water. American Journal of Clinical Nutrition, 1980, 33, 2686-2693.	2.2	634
5	Sleep curtailment is accompanied by increased intake of calories from snacks. American Journal of Clinical Nutrition, 2009, 89, 126-133.	2.2	617
6	Validity of reported energy intake in obese and nonobese adolescents. American Journal of Clinical Nutrition, 1990, 52, 421-425.	2.2	580
7	Development of bioelectrical impedance analysis prediction equations for body composition with the use of a multicomponent model for use in epidemiologic surveys. American Journal of Clinical Nutrition, 2003, 77, 331-340.	2.2	536
8	Energy balance and its components: implications for body weight regulation. American Journal of Clinical Nutrition, 2012, 95, 989-994.	2.2	509
9	Measurement of energy expenditure in humans by doubly labeled water method. Journal of Applied Physiology, 1982, 53, 955-959.	1.2	504
10	Daily Activity Energy Expenditure and Mortality Among Older Adults. JAMA - Journal of the American Medical Association, 2006, 296, 171.	3.8	483
11	Measurement of Energy Expenditure in Free-Living Humans by Using Doubly Labeled Water. Journal of Nutrition, 1988, 118, 1278-1289.	1.3	468
12	How Accurate Is Self-Reported Dietary Energy Intake?. Nutrition Reviews, 1990, 48, 373-379.	2.6	460
13	Evaluation of dietary assessment instruments against doubly labeled water, a biomarker of habitual energy intake. American Journal of Physiology - Endocrinology and Metabolism, 2001, 281, E891-E899.	1.8	386
14	Limitations in the assessment of dietary energy intake by self-report. Metabolism: Clinical and Experimental, 1995, 44, 18-22.	1.5	378
15	Entrainment of the diurnal rhythm of plasma leptin to meal timing.. Journal of Clinical Investigation, 1997, 100, 1882-1887.	3.9	365
16	A comparison of a food frequency questionnaire with a 24-hour recall for use in an epidemiological cohort study: results from the biomarker-based Observing Protein and Energy Nutrition (OPEN) study. International Journal of Epidemiology, 2003, 32, 1054-1062.	0.9	353
17	Is the Impedance index (ht2/R) significant in predicting total body water?. American Journal of Clinical Nutrition, 1992, 56, 835-839.	2.2	339
18	Insufficient Sleep Undermines Dietary Efforts to Reduce Adiposity. Annals of Internal Medicine, 2010, 153, 435.	2.0	318

#	Article	IF	Citations
19	Energy expenditure by doubly labeled water: validation in humans and proposed calculation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1986, 250, R823-R830.	0.9	313
20	Use of Recovery Biomarkers to Calibrate Nutrient Consumption Self-Reports in the Women's Health Initiative. American Journal of Epidemiology, 2008, 167, 1247-1259.	1.6	312
21	How much physical activity is needed to minimize weight gain in previously obese women?. American Journal of Clinical Nutrition, 1997, 66, 551-556.	2.2	308
22	Evaluation and Comparison of Food Records, Recalls, and Frequencies for Energy and Protein Assessment by Using Recovery Biomarkers. American Journal of Epidemiology, 2011, 174, 591-603.	1.6	277
23	Energy Expenditure in Obese and Nonobese Adolescents. Pediatric Research, 1990, 27, 198-202.	1.1	265
24	Efficacy of conjugated linoleic acid for reducing fat mass: a meta-analysis in humans. American Journal of Clinical Nutrition, 2007, 85, 1203-1211.	2.2	264
25	Clinical characteristics influencing bioelectrical impedance analysis measurements. American Journal of Clinical Nutrition, 1996, 64, 423S-427S.	2.2	256
26	Inaccuracies in self-reported intake identified by comparison with the doubly labelled water method. Canadian Journal of Physiology and Pharmacology, 1990, 68, 941-949.	0.7	244
27	Estimating the changes in energy flux that characterize the rise in obesity prevalence. American Journal of Clinical Nutrition, 2009, 89, 1723-1728.	2.2	244
28	Daily energy expenditure through the human life course. Science, 2021, 373, 808-812.	6.0	234
29	Comparison of self-reported dietary intakes from the Automated Self-Administered 24-h recall, 4-d food records, and food-frequency questionnaires against recovery biomarkers. American Journal of Clinical Nutrition, 2018, 107, 80-93.	2.2	233
30	13C abundances of nutrients and the effect of variations in 13C isotopic abundances of test meals formulated for 13CO2 breath tests. American Journal of Clinical Nutrition, 1980, 33, 2375-2385.	2.2	226
31	QDR 4500A dual-energy X-ray absorptiometer underestimates fat mass in comparison with criterion methods in adults. American Journal of Clinical Nutrition, 2005, 81, 1018-1025.	2.2	222
32	Constrained Total Energy Expenditure and Metabolic Adaptation to Physical Activity in Adult Humans. Current Biology, 2016, 26, 410-417.	1.8	214
33	Body size and fatness of free-living baboons reflect food availability and activity levels. American Journal of Primatology, 1993, 30, 149-161.	0.8	199
34	Single- and multifrequency models for bioelectrical impedance analysis of body water compartments. Journal of Applied Physiology, 1999, 87, 1087-1096.	1.2	199
35	Metabolic acceleration and the evolution of human brain size and life history. Nature, 2016, 533, 390-392.	13.7	198
36	Why do obese patients not lose more weight when treated with low-calorie diets? A mechanistic perspective. American Journal of Clinical Nutrition, 2007, 85, 346-354.	2.2	195

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37	Comparative Validity of Physical Activity Measures in Older Adults. Medicine and Science in Sports and Exercise, 2011, 43, 867-876.	0.2	193
38	Recent Advances from Application of Doubly Labeled Water to Measurement of Human Energy Expenditure. Journal of Nutrition, 1999, 129, 1765-1768.	1.3	191
39	Changes in total body water with age. American Journal of Clinical Nutrition, 1989, 50, 1176-1181.	2.2	187
40	Assessing Validity and Reliability of Resting Metabolic Rate in Six Gas Analysis Systems. Journal of the American Dietetic Association, 2009, 109, 128-132.	1.3	185
41	Energy expenditure from doubly labeled water: some fundamental considerations in humans. American Journal of Clinical Nutrition, 1983, 38, 999-1005.	2.2	184
42	Sleep Deprivation in the Rat: V. Energy Use and Mediation. Sleep, 1989, 12, 31-41.	0.6	180
43	Relative dilution spaces of 2H- and 18O-labeled water in humans. American Journal of Physiology - Endocrinology and Metabolism, 1994, 267, E585-E590.	1.8	179
44	Body Composition and Energy Expenditure in Adolescents with Cerebral Palsy or Myelodysplasia. Pediatric Research, 1991, 29, 70-77.	1.1	178
45	Bioelectrical impedance methods in clinical research: a follow-up to the NIH technology assessment conference. Nutrition, 1999, 15, 874-880.	1.1	177
46	The Validity of Bioelectrical Impedance Models in Clinical Populations. Nutrition in Clinical Practice, 2004, 19, 433-446.	1.1	175
47	Geographical variations in the carbon isotope composition of the diet and hair in contemporary man. Biomedical Mass Spectrometry, 1982, 9, 390-394.	1.8	170
48	Disposal of blood [1-13C]lactate in humans during rest and exercise. Journal of Applied Physiology, 1986, 60, 232-241.	1.2	170
49	Energy intake, not energy output, is a determinant of body size in infants. American Journal of Clinical Nutrition, 1999, 69, 524-530.	2.2	169
50	Validation of bioelectrical-impedance analysis as a measurement of change in body composition in obesity. American Journal of Clinical Nutrition, 1990, 52, 219-223.	2.2	165
51	Relation between Body Mass Index and Body Fat in Black Population Samples from Nigeria, Jamaica, and the United States. American Journal of Epidemiology, 1997, 145, 620-628.	1.6	165
52	Is a calorie a calorie?. American Journal of Clinical Nutrition, 2004, 79, 899S-906S.	2.2	164
53	Self-reportâ€“based estimates of energy intake offer an inadequate basis for scientific conclusions. American Journal of Clinical Nutrition, 2013, 97, 1413-1415.	2.2	157
54	Energy expenditure and body composition in Prader-Willi syndrome. Metabolism: Clinical and Experimental, 1988, 37, 115-120.	1.5	150

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55	Isotope Fractionation: Why Arenâ€™t We What We Eat?. Journal of Archaeological Science, 1999, 26, 667-673.	1.2	150
56	A compilation of total daily energy expenditures and body weights in healthy adults. American Journal of Clinical Nutrition, 1994, 60, 676-681.	2.2	148
57	Polyunsaturated: Saturated ratio of diet fat influences energy substrate utilization in the human. Metabolism: Clinical and Experimental, 1988, 37, 145-151.	1.5	147
58	Total daily energy expenditure and activity level in anorexia nervosa. American Journal of Clinical Nutrition, 1991, 53, 1143-1150.	2.2	145
59	Are dietary restraint scales valid measures of moderate- to long-term dietary restriction? Objective biological and behavioral data suggest not.. Psychological Assessment, 2007, 19, 449-458.	1.2	137
60	Five-day comparison of the doubly labeled water method with respiratory gas exchange. American Journal of Clinical Nutrition, 1984, 40, 153-158.	2.2	131
61	Field use of D2 18O to measure energy expenditure of soldiers at different energy intakes. Journal of Applied Physiology, 1989, 67, 1922-1929.	1.2	126
62	Validation of Doubly Labeled Water for Assessing Energy Expenditure in Infants. Pediatric Research, 1987, 21, 242-246.	1.1	125
63	Energy Expenditure of Rhesus Monkeys Subjected to 11 Years of Dietary Restriction. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 16-23.	1.8	120
64	Evidence for diurnal periodicity in human cholesterol synthesis. Journal of Lipid Research, 1990, 31, 667-73.	2.0	118
65	Traditional Self-Reported Dietary Instruments Are Prone to Inaccuracies and New Approaches Are Needed. Frontiers in Nutrition, 2020, 7, 90.	1.6	117
66	The caffeine CO2 breath test: Dose response and route of N-demethylation in smokers and nonsmokers. Clinical Pharmacology and Therapeutics, 1982, 32, 261-269.	2.3	114
67	The role of exercise in the treatment of obesity. Nutrition, 2000, 16, 179-188.	1.1	114
68	Twenty-Four-Hour Leptin Levels Respond to Cumulative Short-Term Energy Imbalance and Predict Subsequent Intake1. Journal of Clinical Endocrinology and Metabolism, 2000, 85, 2685-2691.	1.8	111
69	School Gardens Enhance Academic Performance and Dietary Outcomes in Children. Journal of School Health, 2015, 85, 508-518.	0.8	106
70	Water turnover in 458 American adults 40-79 yr of age. American Journal of Physiology - Renal Physiology, 2004, 286, F394-F401.	1.3	105
71	The role of conjugated linoleic acid in reducing body fat and preventing holiday weight gain. International Journal of Obesity, 2007, 31, 481-487.	1.6	104
72	Home Food Availability, Parental Dietary Intake, and Familial Eating Habits Influence the Diet Quality of Urban Hispanic Children. Childhood Obesity, 2014, 10, 408-415.	0.8	101

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73	A simple model predicting individual weight change in humans. Journal of Biological Dynamics, 2011, 5, 579-599.	0.8	99
74	Effect of conjugated linoleic acid on body fat accretion in overweight or obese children. American Journal of Clinical Nutrition, 2010, 91, 1157-1164.	2.2	97
75	Bioimpedance analysis of total body water in hemodialysis patients. Kidney International, 1994, 46, 1438-1442.	2.6	93
76	Total Body Water Measured by 18O Dilution and Bioelectrical Impedance in Well and Malnourished Children. Pediatric Research, 1990, 27, 98-102.	1.1	90
77	Use of an automated chromium reduction system for hydrogen isotope ratio analysis of physiological fluids applied to doubly labeled water analysis. Journal of Mass Spectrometry, 2000, 35, 1128-1132.	0.7	90
78	Physical Inactivity Differentially Alters Dietary Oleate and Palmitate Trafficking. Diabetes, 2009, 58, 367-376.	0.3	90
79	A computational model to determine energy intake during weight loss. American Journal of Clinical Nutrition, 2010, 92, 1326-1331.	2.2	89
80	Human Energy Metabolism: What Have We Learned from the Doubly Labeled Water Method?. Annual Review of Nutrition, 1991, 11, 355-373.	4.3	88
81	Effects of aerobic exercise and dietary carbohydrate on energy expenditure and body composition during weight reduction in obese women. American Journal of Clinical Nutrition, 1995, 61, 486-494.	2.2	87
82	Comparison of self-reported and measured metabolizable energy intake with total energy expenditure in overweight teens. American Journal of Clinical Nutrition, 2009, 89, 1744-1750.	2.2	86
83	Nutrient Intake and Obesity in Prepubescent Children with Down Syndrome. Journal of the American Dietetic Association, 1996, 96, 1262-1267.	1.3	84
84	Energy requirements in the eighth decade of life. American Journal of Clinical Nutrition, 2004, 79, 303-310.	2.2	83
85	Calcium and Dairy Product Modulation of Lipid Utilization and Energy Expenditure. Obesity, 2008, 16, 1566-1572.	1.5	83
86	Comparison of ground-based and space flight energy expenditure and water turnover in middle-aged healthy male US astronauts. American Journal of Clinical Nutrition, 1997, 65, 4-12.	2.2	82
87	Validity of combining heart rate and uniaxial acceleration to measure free-living physical activity energy expenditure in young men. Journal of Applied Physiology, 2012, 113, 1763-1771.	1.2	81
88	Dietary biomarker evaluation in a controlled feeding study in women from the Womenâ€™s Health Initiative cohort ,. American Journal of Clinical Nutrition, 2017, 105, 466-475.	2.2	80
89	Validation of habitual energy intake. Public Health Nutrition, 2002, 5, 883-888.	1.1	79
90	Environment and Obesity in the National Childrenâ€™s Study. Environmental Health Perspectives, 2009, 117, 159-166.	2.8	79

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91	Metabolic fate of saturated and monounsaturated dietary fats: The Mediterranean diet revisited from epidemiological evidence to cellular mechanisms. Progress in Lipid Research, 2009, 48, 128-147.	5.3	79
92	The effect of holiday weight gain on body weight. Physiology and Behavior, 2014, 134, 66-69.	1.0	79
93	Reliability of the doubly labeled water method for the measurement of total daily energy expenditure in free-living subjects. Journal of Nutrition, 1996, 126, 348S-354S.	1.3	77
94	Effect of Physical Inactivity on the Oxidation of Saturated and Monounsaturated Dietary Fatty Acids: Results of a Randomized Trial. PLOS Clinical Trials, 2006, 1, e27.	3.5	74
95	Energetics of Obesity and Weight Control: Does Diet Composition Matter?. Journal of the American Dietetic Association, 2005, 105, 24-28.	1.3	73
96	Total daily energy expenditure among middle-aged men and women: the OPEN Study. American Journal of Clinical Nutrition, 2007, 86, 382-387.	2.2	72
97	The Aminopyrine Breath Test and Serum Bile Acids Reflect Histologic Severity in Chronic Hepatitis. Hepatology, 2007, 2, 317S-322S.	3.6	72
98	Balancing energy expenditure and body weight. American Journal of Clinical Nutrition, 1998, 68, 956S-961S.	2.2	64
99	Energy compensation and adiposity in humans. Current Biology, 2021, 31, 4659-4666.e2.	1.8	63
100	Electrical Properties Assessed by Bioelectrical Impedance Spectroscopy as Biomarkers of Age-related Loss of Skeletal Muscle Quantity and Quality. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, glw225.	1.7	62
101	A standard calculation methodology for human doubly labeled water studies. Cell Reports Medicine, 2021, 2, 100203.	3.3	62
102	Determinants of the energy costs of light activities: inferences for interpreting doubly labeled water data. International Journal of Obesity, 2002, 26, 97-101.	1.6	60
103	Precision of the doubly labeled water method in a large-scale application: evaluation of a streamlined-dosing protocol in the Observing Protein and Energy Nutrition (OPEN) study. European Journal of Clinical Nutrition, 2003, 57, 1370-1377.	1.3	60
104	Validation of doubly labeled water for measuring energy expenditure during parenteral nutrition. American Journal of Clinical Nutrition, 1986, 44, 291-298.	2.2	59
105	Influence of delayed isotopic equilibration in urine on the accuracy of the ²H₂ ¹⁸O method in the elderly. Journal of Applied Physiology, 2002, 92, 1036-1044.	1.2	57
106	Hydration Testing in Collegiate Wrestlers Undergoing Hypertonic Dehydration. Medicine and Science in Sports and Exercise, 2004, 36, 510-517.	0.2	57
107	Comparison of the effectiveness of 2 dual-energy X-ray absorptiometers with that of total body water and computed tomography in assessing changes in body composition during weight change. American Journal of Clinical Nutrition, 2003, 77, 356-363.	2.2	56
108	Protocol for the modeling the epidemiologic transition study: a longitudinal observational study of energy balance and change in body weight, diabetes and cardiovascular disease risk. BMC Public Health, 2011, 11, 927.	1.2	56

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109	Effect of Sleep Extension on Objectively Assessed Energy Intake Among Adults With Overweight in Real-life Settings. JAMA Internal Medicine, 2022, 182, 365.	2.6	56
110	Long-term calorie restriction decreases metabolic cost of movement and prevents decrease of physical activity during aging in rhesus monkeys. Experimental Gerontology, 2013, 48, 1226-1235.	1.2	55
111	The energy balance equation: looking back and looking forward are two very different views. Nutrition Reviews, 2009, 67, 249-254.	2.6	54
112	Regulation of Energy Balance during Long-Term Physical Inactivity Induced by Bed Rest with and without Exercise Training. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 1045-1053.	1.8	53
113	De novo lipogenesis in adipose tissue of lean and obese women: application of deuterated water and isotope ratio mass spectrometry. International Journal of Obesity, 2000, 24, 932-937.	1.6	50
114	Energy expenditure does not predict weight change in either Nigerian or African American women. American Journal of Clinical Nutrition, 2009, 89, 169-176.	2.2	50
115	Caloric Restriction and Healthy Life Span: Frail Phenotype of Nonhuman Primates in the Wisconsin National Primate Research Center Caloric Restriction Study. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 273-278.	1.7	50
116	Comparison of two bioelectrical impedance analysis models for total body water measurement in children. Annals of Human Biology, 1992, 19, 603-607.	0.4	49
117	The importance of clinical research: the role of thermogenesis in human obesity. American Journal of Clinical Nutrition, 2001, 73, 511-516.	2.2	48
118	Computer controlled ion counting isotope ratio mass spectrometer. Analytical Chemistry, 1975, 47, 408-415.	3.2	47
119	Weight suppression and risk of future increases in body mass: effects of suppressed resting metabolic rate and energy expenditure. American Journal of Clinical Nutrition, 2011, 94, 7-11.	2.2	47
120	Measurement of Physical Activity Among Black and White Obese Women. Obesity, 1995, 3, 261s-265s.	4.0	46
121	Rapid18O analysis of CO2 samples by continuous-flow isotope ratio mass spectrometry. , 1997, 32, 1332-1336.		45
122	Doubly labeled water analysis using cavity ringâ€down spectroscopy. Rapid Communications in Mass Spectrometry, 2011, 25, 3-8.	0.7	45
123	Validation of deuterium labeled fatty acids for the measurement of dietary fat oxidation: a method for measuring fat-oxidation in free-living subjects. International Journal of Obesity, 2001, 25, 1240-1245.	1.6	44
124	Bioelectrical Impedance Analysis What Does It Measure?. Annals of the New York Academy of Sciences, 2006, 904, 159-162.	1.8	44
125	Energy intake and energy expenditure among children with polymorphisms of the melanocortin-3 receptor. American Journal of Clinical Nutrition, 2009, 90, 912-920.	2.2	44
126	The Effects of Exercise on the Storage and Oxidation of Dietary Fat. Sports Medicine, 2005, 35, 363-373.	3.1	43

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127	The Natural 13C Abundance of Plasma Glucose Is a Useful Biomarker of Recent Dietary Caloric Sweetener Intake. Journal of Nutrition, 2010, 140, 333-337.	1.3	41
128	Longitudinal change in energy expenditure and effects on energy requirements of the elderly. Nutrition Journal, 2013, 12, 73.	1.5	41
129	Resting Metabolic Rate, Total Daily Energy Expenditure, and Metabolic Adaptation 6 Months and 24 Months After Bariatric Surgery. Obesity, 2018, 26, 862-868.	1.5	41
130	Activity energy expenditure and adiposity among black adults in Nigeria and the United States. American Journal of Clinical Nutrition, 2002, 75, 1045-1050.	2.2	40
131	Insights into energy balance from doubly labeled water. International Journal of Obesity, 2008, 32, S72-S75.	1.6	40
132	Under-reporting of dietary energy intake in five populations of the African diaspora. British Journal of Nutrition, 2015, 113, 464-472.	1.2	40
133	Energy Expenditure and Adiposity in Nigerian and Africanâ€American Women. Obesity, 2008, 16, 2148-2154.	1.5	39
134	A Review of Field Techniques for the Assessment of Energy Expenditure. Journal of Nutrition, 1990, 120, 1492-1495.	1.3	38
135	Errors in estimating peritoneal fluid by bioelectrical impedance analysis and total body electrical conductivity.. Journal of the American College of Nutrition, 1993, 12, 66-72.	1.1	38
136	Prior exercise increases subsequent utilization of dietary fat. Medicine and Science in Sports and Exercise, 2002, 34, 1757-1765.	0.2	38
137	Alterations in energy balance following exenatide administration. Applied Physiology, Nutrition and Metabolism, 2012, 37, 893-899.	0.9	38
138	Analytic Requirements for the Doubly Labeled Water Method. Obesity, 1995, 3, 15-20.	4.0	37
139	Minimum Weight Prediction Methods Cross-Validated by the Four-Component Model. Medicine and Science in Sports and Exercise, 2004, 36, 639-647.	0.2	37
140	Activity energy expenditure is a major determinant of dietary fat oxidation and trafficking, but the deleterious effect of detraining is more marked than the beneficial effect of training at current recommendations. American Journal of Clinical Nutrition, 2013, 98, 648-658.	2.2	36
141	Association of car ownership and physical activity across the spectrum of human development: Modeling the Epidemiologic Transition Study (METS). BMC Public Health, 2015, 15, 173.	1.2	36
142	Comparison of Different Methods of Expressing Results of The Aminopyrine Breath Test. Hepatology, 2007, 2, 455S-462S.	3.6	35
143	Impact of exercise and dietary fatty acid composition from a high-fat diet on markers of hunger and satiety. Appetite, 2011, 56, 171-178.	1.8	35
144	A meta-analysis of the effects of conjugated linoleic acid on fat-free mass in humans. Applied Physiology, Nutrition and Metabolism, 2009, 34, 975-978.	0.9	34

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145	Composition of two-week change in body weight under unrestricted free-living conditions. Physiological Reports, 2017, 5, e13336.	0.7	34
146	The Effect of Dehydration on Wrestling Minimum Weight Assessment. Medicine and Science in Sports and Exercise, 2004, 36, 160-167.	0.2	33
147	Exercise increases the proportion of fat utilization during short-term consumption of a high-fat diet. American Journal of Clinical Nutrition, 2007, 85, 109-116.	2.2	33
148	Making Indirect Calorimetry a Gold Standard for Predicting Energy Requirements for Institutionalized Patients. Journal of the American Dietetic Association, 2007, 107, 390-392.	1.3	33
149	Effect of contrasted levels of habitual physical activity on metabolic flexibility. Journal of Applied Physiology, 2013, 114, 371-379.	1.2	33
150	Prior Exercise Increases Dietary Oleate, but Not Palmitate Oxidation. Obesity, 2003, 11, 1509-1518.	4.0	30
151	Physical activity and weight control. Current Opinion in Clinical Nutrition and Metabolic Care, 2011, 14, 419-424.	1.3	30
152	Conjugated linoleic acid supplementation alters the 6-mo change in fat oxidation during sleep. American Journal of Clinical Nutrition, 2007, 86, 797-804.	2.2	29
153	Relation between holiday weight gain and total energy expenditure among 40- to 69-y-old men and women (OPEN study). American Journal of Clinical Nutrition, 2012, 95, 726-731.	2.2	29
154	Determining the Accuracy and Reliability of Indirect Calorimeters Utilizing the Methanol Combustion Technique. Nutrition in Clinical Practice, 2018, 33, 206-216.	1.1	29
155	Adaptation of the doubly labeled water method for subjects consuming isotopically enriched water. Journal of Applied Physiology, 1997, 82, 563-570.	1.2	28
156	Dilution space ratio of²H and¹⁸O of doubly labeled water method in humans. Journal of Applied Physiology, 2016, 120, 1349-1354.	1.2	27
157	Limits of detection of carbon-13 labelled drugs and their metabolites in human urine. Biological Mass Spectrometry, 1974, 1, 345-349.	0.5	26
158	Pulse injection,13C tracer studies of lactate metabolism in humans during rest and two levels of exercise. Biomedical Mass Spectrometry, 1982, 9, 310-314.	1.8	26
159	Pattern and cost of weight gain in previously obese women. American Journal of Physiology - Endocrinology and Metabolism, 2002, 282, E923-E930.	1.8	26
160	Energy expenditure in children with Down syndrome: Correcting metabolic rate for movementâ˜†â˜†â˜…â˜…â˜…. Journal of Pediatrics, 1994, 125, 829-838.	0.9	26
161	Metabolic Differences in Response to a Highâ€Fat vs. a Highâ€Carbohydrate Diet. Obesity, 1994, 2, 348-354.	4.0	25
162	Total energy expenditure and body composition of children with developmental disabilities. Disability and Health Journal, 2018, 11, 442-446.	1.6	25

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163	Reference Body Composition in Adult Rhesus Monkeys: Glucoregulatory and Anthropometric Indices. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2005, 60, 1518-1524.	1.7	24
164	Total energy expenditure measured using doubly labeled water compared with estimated energy requirements in older adults (â‰¥65 y): analysis of primary data. American Journal of Clinical Nutrition, 2019, 110, 1353-1361.	2.2	24
165	Influences of calorie restriction and age on energy expenditure in the rhesus monkey. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E101-E106.	1.8	23
166	Comparison of total energy expenditure between school and summer months. Pediatric Obesity, 2013, 8, 404-410.	1.4	23
167	Bioelectrical Impedance vs. Fourâ€compartment Model to Assess Body Fat Change in Overweight Adults. Obesity, 2007, 15, 85-92.	1.5	22
168	Effect of clothing weight on body weight. International Journal of Obesity, 2013, 37, 160-161.	1.6	22
169	Physical activity and fat-free mass during growth and in later life. American Journal of Clinical Nutrition, 2021, 114, 1583-1589.	2.2	22
170	But how much physical activity?. American Journal of Clinical Nutrition, 2003, 78, 669-670.	2.2	21
171	Influence of dietary fatty acid composition and exercise on changes in fat oxidation from a high-fat diet. Journal of Applied Physiology, 2010, 109, 1011-1018.	1.2	21
172	Change in eating pattern as a contributor to energy intake and weight gain during the winter holiday period in obese adults. International Journal of Obesity, 2020, 44, 1586-1595.	1.6	21
173	Accelerometer-measured physical activity is not associated with two-year weight change in African-origin adults from five diverse populations. PeerJ, 2017, 5, e2902.	0.9	21
174	Natural abundance deuterium and 18-oxygen effects on the precision of the doubly labeled water method. American Journal of Physiology - Endocrinology and Metabolism, 2001, 280, E965-E972.	1.8	20
175	Bioelectrical Impedance Analysis Prediction Equations Differ between African Americans and Caucasians, but It Is Not Clear Why. Annals of the New York Academy of Sciences, 2006, 904, 225-226.	1.8	20
176	Toward more rigorous and informative nutritional epidemiology: The rational space between dismissal and defense of the status quo. Critical Reviews in Food Science and Nutrition, 2023, 63, 3150-3167.	5.4	20
177	Validation of deuterium-labeled fatty acids for the measurement of dietary fat oxidation during physical activity. Journal of Lipid Research, 2004, 45, 2339-2344.	2.0	19
178	Estimates of Body Fat in Children by Hologic QDR-2000 and QDR-4500A Dual-Energy X-ray Absorptiometers Compared With Deuterium Dilution. Journal of Pediatric Gastroenterology and Nutrition, 2006, 42, 331-335.	0.9	19
179	Combination of DXA and BIS body composition measurements is highly correlated with physical functionâ€"an approach to improve muscle mass assessment. Archives of Osteoporosis, 2018, 13, 97.	1.0	19
180	The acetate recovery factor to correct tracer-derived dietary fat oxidation in humans. American Journal of Physiology - Endocrinology and Metabolism, 2008, 294, E645-E653.	1.8	18

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