

Dale A Schoeller

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223
papers

19,967
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74
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137
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233
ext. papers

22,009
ext. citations

5.8
avg, IF

6.63
L-index

#	Paper	IF	Citations
223	Using intake biomarkers to evaluate the extent of dietary misreporting in a large sample of adults: the OPEN study. <i>American Journal of Epidemiology</i> , 2003 , 158, 1-13	3.8	714
222	Structure of dietary measurement error: results of the OPEN biomarker study. <i>American Journal of Epidemiology</i> , 2003 , 158, 14-21; discussion 22-6	3.8	579
221	Estimation of total body water by bioelectrical impedance analysis. <i>American Journal of Clinical Nutrition</i> , 1986 , 44, 417-24	7	574
220	Total body water measurement in humans with ¹⁸ O and ² H labeled water. <i>American Journal of Clinical Nutrition</i> , 1980 , 33, 2686-93	7	561
219	Validity of reported energy intake in obese and nonobese adolescents. <i>American Journal of Clinical Nutrition</i> , 1990 , 52, 421-5	7	531
218	Sleep curtailment is accompanied by increased intake of calories from snacks. <i>American Journal of Clinical Nutrition</i> , 2009 , 89, 126-33	7	504
217	Development of bioelectrical impedance analysis prediction equations for body composition with the use of a multicomponent model for use in epidemiologic surveys. <i>American Journal of Clinical Nutrition</i> , 2003 , 77, 331-40	7	428
216	Measurement of energy expenditure in humans by doubly labeled water method. <i>Journal of Applied Physiology</i> , 1982 , 53, 955-9	3.7	415
215	Measurement of energy expenditure in free-living humans by using doubly labeled water. <i>Journal of Nutrition</i> , 1988 , 118, 1278-89	4.1	397
214	Daily activity energy expenditure and mortality among older adults. <i>JAMA - Journal of the American Medical Association</i> , 2006 , 296, 171-9	27.4	395
213	How accurate is self-reported dietary energy intake?. <i>Nutrition Reviews</i> , 1990 , 48, 373-9	6.4	375
212	Energy balance and its components: implications for body weight regulation. <i>American Journal of Clinical Nutrition</i> , 2012 , 95, 989-94	7	374
211	Evaluation of dietary assessment instruments against doubly labeled water, a biomarker of habitual energy intake. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001 , 281, E891-9 ⁶		327
210	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. <i>International Journal of Epidemiology</i> , 2003 , 32, 1054-62	7.8	316
209	Limitations in the assessment of dietary energy intake by self-report. <i>Metabolism: Clinical and Experimental</i> , 1995 , 44, 18-22	12.7	315
208	Entrainment of the diurnal rhythm of plasma leptin to meal timing. <i>Journal of Clinical Investigation</i> , 1997 , 100, 1882-7	15.9	301
207	Is the impedance index (ht ² /R) significant in predicting total body water?. <i>American Journal of Clinical Nutrition</i> , 1992 , 56, 835-9	7	291

206	Use of recovery biomarkers to calibrate nutrient consumption self-reports in the Women's Health Initiative. <i>American Journal of Epidemiology</i> , 2008 , 167, 1247-59	3.8	268
205	How much physical activity is needed to minimize weight gain in previously obese women?. <i>American Journal of Clinical Nutrition</i> , 1997 , 66, 551-6	7	259
204	Insufficient sleep undermines dietary efforts to reduce adiposity. <i>Annals of Internal Medicine</i> , 2010 , 153, 435-41	8	240
203	Efficacy of conjugated linoleic acid for reducing fat mass: a meta-analysis in humans. <i>American Journal of Clinical Nutrition</i> , 2007 , 85, 1203-11	7	222
202	Energy expenditure in obese and nonobese adolescents. <i>Pediatric Research</i> , 1990 , 27, 198-203	3.2	218
201	Energy expenditure by doubly labeled water: validation in humans and proposed calculation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1986 , 250, R823-30	3.2	217
200	Evaluation and comparison of food records, recalls, and frequencies for energy and protein assessment by using recovery biomarkers. <i>American Journal of Epidemiology</i> , 2011 , 174, 591-603	3.8	210
199	Estimating the changes in energy flux that characterize the rise in obesity prevalence. <i>American Journal of Clinical Nutrition</i> , 2009 , 89, 1723-8	7	204
198	¹³ C abundances of nutrients and the effect of variations in ¹³ C isotopic abundances of test meals formulated for ¹³ CO ₂ breath tests. <i>American Journal of Clinical Nutrition</i> , 1980 , 33, 2375-85	7	200
197	Clinical characteristics influencing bioelectrical impedance analysis measurements. <i>American Journal of Clinical Nutrition</i> , 1996 , 64, 423S-427S	7	199
196	Inaccuracies in self-reported intake identified by comparison with the doubly labelled water method. <i>Canadian Journal of Physiology and Pharmacology</i> , 1990 , 68, 941-9	2.4	198
195	QDR 4500A dual-energy X-ray absorptiometer underestimates fat mass in comparison with criterion methods in adults. <i>American Journal of Clinical Nutrition</i> , 2005 , 81, 1018-25	7	195
194	Single- and multifrequency models for bioelectrical impedance analysis of body water compartments. <i>Journal of Applied Physiology</i> , 1999 , 87, 1087-96	3.7	177
193	Sleep deprivation in the rat: V. Energy use and mediation. <i>Sleep</i> , 1989 , 12, 31-41	1.1	165
192	Why do obese patients not lose more weight when treated with low-calorie diets? A mechanistic perspective. <i>American Journal of Clinical Nutrition</i> , 2007 , 85, 346-54	7	163
191	Assessing validity and reliability of resting metabolic rate in six gas analysis systems. <i>Journal of the American Dietetic Association</i> , 2009 , 109, 128-32		161
190	Body size and fatness of free-living baboons reflect food availability and activity levels. <i>American Journal of Primatology</i> , 1993 , 30, 149-161	2.5	161
189	Comparative validity of physical activity measures in older adults. <i>Medicine and Science in Sports and Exercise</i> , 2011 , 43, 867-76	1.2	160

188	Changes in total body water with age. <i>American Journal of Clinical Nutrition</i> , 1989 , 50, 1176-81; discussion 1231-5	7	159
187	Geographical variations in the carbon isotope composition of the diet and hair in contemporary man. <i>Biomedical Mass Spectrometry</i> , 1982 , 9, 390-4		154
186	Recent advances from application of doubly labeled water to measurement of human energy expenditure. <i>Journal of Nutrition</i> , 1999 , 129, 1765-8	4.1	153
185	Energy expenditure from doubly labeled water: some fundamental considerations in humans. <i>American Journal of Clinical Nutrition</i> , 1983 , 38, 999-1005	7	152
184	Disposal of blood [1-13C]lactate in humans during rest and exercise. <i>Journal of Applied Physiology</i> , 1986 , 60, 232-41	3.7	151
183	Relation between body mass index and body fat in black population samples from Nigeria, Jamaica, and the United States. <i>American Journal of Epidemiology</i> , 1997 , 145, 620-8	3.8	148
182	Relative dilution spaces of 2H- and 18O-labeled water in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1994 , 267, E585-90	6	148
181	Constrained Total Energy Expenditure and Metabolic Adaptation to Physical Activity in Adult Humans. <i>Current Biology</i> , 2016 , 26, 410-7	6.3	146
180	Energy intake, not energy output, is a determinant of body size in infants. <i>American Journal of Clinical Nutrition</i> , 1999 , 69, 524-30	7	146
179	Metabolic acceleration and the evolution of human brain size and life history. <i>Nature</i> , 2016 , 533, 390-2	50.4	145
178	The validity of bioelectrical impedance models in clinical populations. <i>Nutrition in Clinical Practice</i> , 2004 , 19, 433-46	3.6	142
177	Is a calorie a calorie?. <i>American Journal of Clinical Nutrition</i> , 2004 , 79, 899S-906S	7	142
176	Validation of bioelectrical-impedance analysis as a measurement of change in body composition in obesity. <i>American Journal of Clinical Nutrition</i> , 1990 , 52, 219-23	7	141
175	Bioelectrical impedance methods in clinical research: a follow-up to the NIH Technology Assessment Conference. <i>Nutrition</i> , 1999 , 15, 874-80	4.8	140
174	Body composition and energy expenditure in adolescents with cerebral palsy or myelodysplasia. <i>Pediatric Research</i> , 1991 , 29, 70-7	3.2	140
173	Self-report-based estimates of energy intake offer an inadequate basis for scientific conclusions. <i>American Journal of Clinical Nutrition</i> , 2013 , 97, 1413-5	7	137
172	Total daily energy expenditure and activity level in anorexia nervosa. <i>American Journal of Clinical Nutrition</i> , 1991 , 53, 1143-50	7	134
171	Polyunsaturated:saturated ratio of diet fat influences energy substrate utilization in the human. <i>Metabolism: Clinical and Experimental</i> , 1988 , 37, 145-51	12.7	132

170	Energy expenditure and body composition in Prader-Willi syndrome. <i>Metabolism: Clinical and Experimental</i> , 1988 , 37, 115-20	12.7	131
169	Are dietary restraint scales valid measures of moderate- to long-term dietary restriction? Objective biological and behavioral data suggest not. <i>Psychological Assessment</i> , 2007 , 19, 449-58	5.3	127
168	A compilation of total daily energy expenditures and body weights in healthy adults. <i>American Journal of Clinical Nutrition</i> , 1994 , 60, 676-81	7	127
167	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. <i>American Journal of Clinical Nutrition</i> , 2018 , 107, 80-93	7	126
166	Isotope Fractionation: Why Aren't We What We Eat?. <i>Journal of Archaeological Science</i> , 1999 , 26, 667-673	2.9	124
165	Field use of D2 18O to measure energy expenditure of soldiers at different energy intakes. <i>Journal of Applied Physiology</i> , 1989 , 67, 1922-9	3.7	116
164	Validation of doubly labeled water for assessing energy expenditure in infants. <i>Pediatric Research</i> , 1987 , 21, 242-6	3.2	111
163	The caffeine CO2 breath test: dose response and route of N-demethylation in smokers and nonsmokers. <i>Clinical Pharmacology and Therapeutics</i> , 1982 , 32, 261-9	6.1	109
162	Evidence for diurnal periodicity in human cholesterol synthesis. <i>Journal of Lipid Research</i> , 1990 , 31, 667-73	3	108
161	Energy expenditure of rhesus monkeys subjected to 11 years of dietary restriction. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 16-23	5.6	107
160	Five-day comparison of the doubly labeled water method with respiratory gas exchange. <i>American Journal of Clinical Nutrition</i> , 1984 , 40, 153-8	7	104
159	The role of exercise in the treatment of obesity. <i>Nutrition</i> , 2000 , 16, 179-88	4.8	100
158	Twenty-four-hour leptin levels respond to cumulative short-term energy imbalance and predict subsequent intake. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000 , 85, 2685-91	5.6	100
157	The role of conjugated linoleic acid in reducing body fat and preventing holiday weight gain. <i>International Journal of Obesity</i> , 2007 , 31, 481-7	5.5	85
156	Water turnover in 458 American adults 40-79 yr of age. <i>American Journal of Physiology - Renal Physiology</i> , 2004 , 286, F394-401	4.3	85
155	Effect of conjugated linoleic acid on body fat accretion in overweight or obese children. <i>American Journal of Clinical Nutrition</i> , 2010 , 91, 1157-64	7	84
154	A Simple Model Predicting Individual Weight Change in Humans. <i>Journal of Biological Dynamics</i> , 2011 , 5, 579-599	2.4	84
153	Use of an automated chromium reduction system for hydrogen isotope ratio analysis of physiological fluids applied to doubly labeled water analysis. <i>Journal of Mass Spectrometry</i> , 2000 , 35, 1128-32	2.2	83

152	A computational model to determine energy intake during weight loss. <i>American Journal of Clinical Nutrition</i> , 2010 , 92, 1326-31	7	80
151	Total body water measured by 18-O dilution and bioelectrical impedance in well and malnourished children. <i>Pediatric Research</i> , 1990 , 27, 98-102	3.2	80
150	School Gardens Enhance Academic Performance and Dietary Outcomes in Children. <i>Journal of School Health</i> , 2015 , 85, 508-18	2.1	78
149	Bioimpedance analysis of total body water in hemodialysis patients. <i>Kidney International</i> , 1994 , 46, 1438-43	4.3	74
148	Human energy metabolism: what have we learned from the doubly labeled water method?. <i>Annual Review of Nutrition</i> , 1991 , 11, 355-73	9.9	74
147	Effects of aerobic exercise and dietary carbohydrate on energy expenditure and body composition during weight reduction in obese women. <i>American Journal of Clinical Nutrition</i> , 1995 , 61, 486-94	7	73
146	Physical inactivity differentially alters dietary oleate and palmitate trafficking. <i>Diabetes</i> , 2009 , 58, 367-76	6.9	72
145	Comparison of self-reported, measured, metabolizable energy intake with total energy expenditure in overweight teens. <i>American Journal of Clinical Nutrition</i> , 2009 , 89, 1744-50	7	72
144	Comparison of ground-based and space flight energy expenditure and water turnover in middle-aged healthy male US astronauts. <i>American Journal of Clinical Nutrition</i> , 1997 , 65, 4-12	7	71
143	Calcium and dairy product modulation of lipid utilization and energy expenditure. <i>Obesity</i> , 2008 , 16, 1566-72		71
142	Home food availability, parental dietary intake, and familial eating habits influence the diet quality of urban Hispanic children. <i>Childhood Obesity</i> , 2014 , 10, 408-15	2.5	70
141	Reliability of the doubly labeled water method for the measurement of total daily energy expenditure in free-living subjects. <i>Journal of Nutrition</i> , 1996 , 126, 348S-354S	4.1	70
140	Energy requirements in the eighth decade of life. <i>American Journal of Clinical Nutrition</i> , 2004 , 79, 303-10	7	69
139	Nutrient intake and obesity in prepubescent children with Down syndrome. <i>Journal of the American Dietetic Association</i> , 1996 , 96, 1262-7		68
138	Validity of combining heart rate and uniaxial acceleration to measure free-living physical activity energy expenditure in young men. <i>Journal of Applied Physiology</i> , 2012 , 113, 1763-71	3.7	67
137	The aminopyrine breath test and serum bile acids reflect histologic severity in chronic hepatitis. <i>Hepatology</i> , 1982 , 2, 317-22	11.2	67
136	Validation of habitual energy intake. <i>Public Health Nutrition</i> , 2002 , 5, 883-8	3.3	67
135	Energetics of obesity and weight control: does diet composition matter?. <i>Journal of the American Dietetic Association</i> , 2005 , 105, S24-8		65

134	Environment and obesity in the National Children's Study. <i>Environmental Health Perspectives</i> , 2009 , 117, 159-66	8.4	64
133	Total daily energy expenditure among middle-aged men and women: the OPEN Study. <i>American Journal of Clinical Nutrition</i> , 2007 , 86, 382-7	7	63
132	Metabolic fate of saturated and monounsaturated dietary fats: the Mediterranean diet revisited from epidemiological evidence to cellular mechanisms. <i>Progress in Lipid Research</i> , 2009 , 48, 128-47	14.3	62
131	Effect of physical inactivity on the oxidation of saturated and monounsaturated dietary Fatty acids: results of a randomized trial. <i>PLOS Clinical Trials</i> , 2006 , 1, e27		62
130	The effect of holiday weight gain on body weight. <i>Physiology and Behavior</i> , 2014 , 134, 66-9	3.5	61
129	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. <i>European Journal of Clinical Nutrition</i> , 2003 , 57, 1370-7	5.2	57
128	Determinants of the energy costs of light activities: inferences for interpreting doubly labeled water data. <i>International Journal of Obesity</i> , 2002 , 26, 97-101	5.5	54
127	Balancing energy expenditure and body weight. <i>American Journal of Clinical Nutrition</i> , 1998 , 68, 956S-961S		52
126	Influence of delayed isotopic equilibration in urine on the accuracy of the (2)H(2)(18)O method in the elderly. <i>Journal of Applied Physiology</i> , 2002 , 92, 1036-44	3.7	51
125	Hydration testing in collegiate wrestlers undergoing hypertonic dehydration. <i>Medicine and Science in Sports and Exercise</i> , 2004 , 36, 510-7	1.2	50
124	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. <i>American Journal of Clinical Nutrition</i> , 2003 , 77, 356-63	7	49
123	Validation of doubly labeled water for measuring energy expenditure during parenteral nutrition. <i>American Journal of Clinical Nutrition</i> , 1986 , 44, 291-8	7	49
122	Dietary biomarker evaluation in a controlled feeding study in women from the Women's Health Initiative cohort. <i>American Journal of Clinical Nutrition</i> , 2017 , 105, 466-475	7	47
121	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. <i>BMC Public Health</i> , 2011 , 11, 927	4.1	47
120	Energy expenditure does not predict weight change in either Nigerian or African American women. <i>American Journal of Clinical Nutrition</i> , 2009 , 89, 169-76	7	46
119	Weight suppression and risk of future increases in body mass: effects of suppressed resting metabolic rate and energy expenditure. <i>American Journal of Clinical Nutrition</i> , 2011 , 94, 7-11	7	45
118	Long-term calorie restriction decreases metabolic cost of movement and prevents decrease of physical activity during aging in rhesus monkeys. <i>Experimental Gerontology</i> , 2013 , 48, 1226-35	4.5	44
117	De novo lipogenesis in adipose tissue of lean and obese women: application of deuterated water and isotope ratio mass spectrometry. <i>International Journal of Obesity</i> , 2000 , 24, 932-7	5.5	43

116	Daily energy expenditure through the human life course. <i>Science</i> , 2021 , 373, 808-812	33.3	43
115	The importance of clinical research: the role of thermogenesis in human obesity. <i>American Journal of Clinical Nutrition</i> , 2001 , 73, 511-6	7	42
114	Regulation of energy balance during long-term physical inactivity induced by bed rest with and without exercise training. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 1045-53	5.6	41
113	The energy balance equation: looking back and looking forward are two very different views. <i>Nutrition Reviews</i> , 2009 , 67, 249-54	6.4	41
112	Validation of deuterium labeled fatty acids for the measurement of dietary fat oxidation: a method for measuring fat-oxidation in free-living subjects. <i>International Journal of Obesity</i> , 2001 , 25, 1240-5	5.5	41
111	Energy intake and energy expenditure among children with polymorphisms of the melanocortin-3 receptor. <i>American Journal of Clinical Nutrition</i> , 2009 , 90, 912-20	7	40
110	Measurement of physical activity among black and white obese women. <i>Obesity</i> , 1995 , 3 Suppl 2, 261s-265s		40
109	Electrical Properties Assessed by Bioelectrical Impedance Spectroscopy as Biomarkers of Age-related Loss of Skeletal Muscle Quantity and Quality. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017 , 72, 1180-1186	6.4	40
108	Doubly labeled water analysis using cavity ring-down spectroscopy. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 3-8	2.2	39
107	The natural ¹³ C abundance of plasma glucose is a useful biomarker of recent dietary caloric sweetener intake. <i>Journal of Nutrition</i> , 2010 , 140, 333-7	4.1	39
106	Comparison of two bioelectrical impedance analysis models for total body water measurement in children. <i>Annals of Human Biology</i> , 1992 , 19, 603-7	1.7	39
105	Rapid ¹⁸ O analysis of CO ₂ samples by continuous-flow isotope ratio mass spectrometry. <i>Journal of Mass Spectrometry</i> , 1997 , 32, 1332-6	2.2	38
104	Activity energy expenditure and adiposity among black adults in Nigeria and the United States. <i>American Journal of Clinical Nutrition</i> , 2002 , 75, 1045-50	7	38
103	The effects of exercise on the storage and oxidation of dietary fat. <i>Sports Medicine</i> , 2005 , 35, 363-73	10.6	37
102	Caloric Restriction and Healthy Life Span: Frail Phenotype of Nonhuman Primates in the Wisconsin National Primate Research Center Caloric Restriction Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018 , 73, 273-278	6.4	36
101	Insights into energy balance from doubly labeled water. <i>International Journal of Obesity</i> , 2008 , 32 Suppl 7, S72-5	5.5	35
100	Bioelectrical impedance analysis. What does it measure?. <i>Annals of the New York Academy of Sciences</i> , 2000 , 904, 159-62	6.5	35
99	Prior exercise increases subsequent utilization of dietary fat. <i>Medicine and Science in Sports and Exercise</i> , 2002 , 34, 1757-65	1.2	35

98	Under-reporting of dietary energy intake in five populations of the African diaspora. <i>British Journal of Nutrition</i> , 2015 , 113, 464-72	3.6	33
97	Longitudinal change in energy expenditure and effects on energy requirements of the elderly. <i>Nutrition Journal</i> , 2013 , 12, 73	4.3	33
96	Alterations in energy balance following exenatide administration. <i>Applied Physiology, Nutrition and Metabolism</i> , 2012 , 37, 893-9	3	33
95	Comparison of different methods expressing results of the aminopyrine breath test. <i>Hepatology</i> , 1982 , 2, 455-62	11.2	33
94	Association of car ownership and physical activity across the spectrum of human development: Modeling the Epidemiologic Transition Study (METS). <i>BMC Public Health</i> , 2015 , 15, 173	4.1	32
93	Minimum weight prediction methods cross-validated by the four-component model. <i>Medicine and Science in Sports and Exercise</i> , 2004 , 36, 639-47	1.2	32
92	Errors in estimating peritoneal fluid by bioelectrical impedance analysis and total body electrical conductivity. <i>Journal of the American College of Nutrition</i> , 1993 , 12, 66-72	3.5	31
91	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. <i>American Journal of Clinical Nutrition</i> , 2013 , 98, 648-58	7	30
90	Exercise increases the proportion of fat utilization during short-term consumption of a high-fat diet. <i>American Journal of Clinical Nutrition</i> , 2007 , 85, 109-16	7	30
89	Making indirect calorimetry a gold standard for predicting energy requirements for institutionalized patients. <i>Journal of the American Dietetic Association</i> , 2007 , 107, 390-2		30
88	The effect of dehydration on wrestling minimum weight assessment. <i>Medicine and Science in Sports and Exercise</i> , 2004 , 36, 160-7	1.2	30
87	A review of field techniques for the assessment of energy expenditure. <i>Journal of Nutrition</i> , 1990 , 120 Suppl 11, 1492-5	4.1	30
86	Traditional Self-Reported Dietary Instruments Are Prone to Inaccuracies and New Approaches Are Needed. <i>Frontiers in Nutrition</i> , 2020 , 7, 90	6.2	29
85	Physical activity and weight control: conflicting findings. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2011 , 14, 419-24	3.8	29
84	Energy expenditure and adiposity in Nigerian and African-American women. <i>Obesity</i> , 2008 , 16, 2148-54	8	29
83	Prior exercise increases dietary oleate, but not palmitate oxidation. <i>Obesity</i> , 2003 , 11, 1509-18		29
82	Impact of exercise and dietary fatty acid composition from a high-fat diet on markers of hunger and satiety. <i>Appetite</i> , 2011 , 56, 171-8	4.5	28
81	Conjugated linoleic acid supplementation alters the 6-mo change in fat oxidation during sleep. <i>American Journal of Clinical Nutrition</i> , 2007 , 86, 797-804	7	28

80	Computer controlled ion counting isotope ratio mass spectrometer. <i>Analytical Chemistry</i> , 1975 , 47, 408-415	28
79	Adaptation of the doubly labeled water method for subjects consuming isotopically enriched water. <i>Journal of Applied Physiology</i> , 1997 , 82, 563-70	3.7 27
78	Analytic requirements for the doubly labeled water method. <i>Obesity</i> , 1995 , 3 Suppl 1, 15-20	27
77	Composition of two-week change in body weight under unrestricted free-living conditions. <i>Physiological Reports</i> , 2017 , 5, e13336	2.6 26
76	Relation between holiday weight gain and total energy expenditure among 40- to 69-y-old men and women (OPEN study). <i>American Journal of Clinical Nutrition</i> , 2012 , 95, 726-31	7 26
75	A meta-analysis of the effects of conjugated linoleic acid on fat-free mass in humans. <i>Applied Physiology, Nutrition and Metabolism</i> , 2009 , 34, 975-8	3 25
74	Effect of contrasted levels of habitual physical activity on metabolic flexibility. <i>Journal of Applied Physiology</i> , 2013 , 114, 371-9	3.7 24
73	Resting Metabolic Rate, Total Daily Energy Expenditure, and Metabolic Adaptation 6 Months and 24 Months After Bariatric Surgery. <i>Obesity</i> , 2018 , 26, 862-868	8 23
72	Dilution space ratio of 2H and 18O of doubly labeled water method in humans. <i>Journal of Applied Physiology</i> , 2016 , 120, 1349-54	3.7 23
71	Metabolic differences in response to a high-fat vs. a high-carbohydrate diet. <i>Obesity</i> , 1994 , 2, 348-54	23
70	Limits of detection of carbon-13 labelled drugs and their metabolites in human urine. <i>Biological Mass Spectrometry</i> , 1974 , 1, 345-9	23
69	Pattern and cost of weight gain in previously obese women. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002 , 282, E923-30	6 22
68	Pulse injection, 13C tracer studies of lactate metabolism in humans during rest and two levels of exercise. <i>Biomedical Mass Spectrometry</i> , 1982 , 9, 310-4	21
67	A standard calculation methodology for human doubly labeled water studies. <i>Cell Reports Medicine</i> , 2021 , 2, 100203	18 21
66	Influences of calorie restriction and age on energy expenditure in the rhesus monkey. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 292, E101-6	6 19
65	Bioelectrical impedance analysis prediction equations differ between African Americans and Caucasians, but it is not clear why. <i>Annals of the New York Academy of Sciences</i> , 2000 , 904, 225-6	6.5 19
64	Energy expenditure in children with Down syndrome: correcting metabolic rate for movement. <i>Journal of Pediatrics</i> , 1994 , 125, 829-38	3.6 19
63	Comparison of total energy expenditure between school and summer months. <i>Pediatric Obesity</i> , 2013 , 8, 404-10	4.6 18

62	The acetate recovery factor to correct tracer-derived dietary fat oxidation in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 294, E645-53	6	18
61	Bioelectrical impedance vs. four-compartment model to assess body fat change in overweight adults. <i>Obesity</i> , 2007 , 15, 85-92	8	18
60	Validation of deuterium-labeled fatty acids for the measurement of dietary fat oxidation during physical activity. <i>Journal of Lipid Research</i> , 2004 , 45, 2339-44	6.3	18
59	Reference body composition in adult rhesus monkeys: glucoregulatory and anthropometric indices. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2005 , 60, 1518-24	6.4	18
58	Accelerometer-measured physical activity is not associated with two-year weight change in African-origin adults from five diverse populations. <i>PeerJ</i> , 2017 , 5, e2902	3.1	18
57	Effect of clothing weight on body weight. <i>International Journal of Obesity</i> , 2013 , 37, 160-1	5.5	17
56	Influence of dietary fatty acid composition and exercise on changes in fat oxidation from a high-fat diet. <i>Journal of Applied Physiology</i> , 2010 , 109, 1011-8	3.7	17
55	Estimates of body fat in children by Hologic QDR-2000 and QDR-4500A dual-energy X-ray absorptiometers compared with deuterium dilution. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2006 , 42, 331-5	2.8	17
54	Natural abundance deuterium and 18-oxygen effects on the precision of the doubly labeled water method. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001 , 280, E965-72	6	17
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