

Klaas R Westerterp

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353
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22,093
ext. citations

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#	Paper	IF	Citations
339	How much physical activity is enough to prevent unhealthy weight gain? Outcome of the IASO 1st Stock Conference and consensus statement. <i>Obesity Reviews</i> , 2003 , 4, 101-14	10.6	590
338	Physical activity assessment with accelerometers: an evaluation against doubly labeled water. <i>Obesity</i> , 2007 , 15, 2371-9	8	466
337	Undereating and underrecording of habitual food intake in obese men: selective underreporting of fat intake. <i>American Journal of Clinical Nutrition</i> , 2000 , 71, 130-4	7	384
336	Dietary protein, weight loss, and weight maintenance. <i>Annual Review of Nutrition</i> , 2009 , 29, 21-41	9.9	370
335	Assessment of physical activity: a critical appraisal. <i>European Journal of Applied Physiology</i> , 2009 , 105, 823-8	3.4	311
334	Physical activity assessed by activity monitor and doubly labeled water in children. <i>Medicine and Science in Sports and Exercise</i> , 2001 , 33, 275-81	1.2	287
333	Diet induced thermogenesis. <i>Nutrition and Metabolism</i> , 2004 , 1, 5	4.6	283
332	Assessment of energy expenditure for physical activity using a triaxial accelerometer. <i>Medicine and Science in Sports and Exercise</i> , 1994 , 26, 1516-1523	1.2	270
331	Energy balance and obesity: what are the main drivers?. <i>Cancer Causes and Control</i> , 2017 , 28, 247-258	2.8	268
330	Satiety related to 24 h diet-induced thermogenesis during high protein/carbohydrate vs high fat diets measured in a respiration chamber. <i>European Journal of Clinical Nutrition</i> , 1999 , 53, 495-502	5.2	264
329	Ghrelin and glucagon-like peptide 1 concentrations, 24-h satiety, and energy and substrate metabolism during a high-protein diet and measured in a respiration chamber. <i>American Journal of Clinical Nutrition</i> , 2006 , 83, 89-94	7	255
328	Dietary protein - its role in satiety, energetics, weight loss and health. <i>British Journal of Nutrition</i> , 2012 , 108 Suppl 2, S105-12	3.6	250
327	Validity of the Physical Activity Scale for the Elderly (PASE): according to energy expenditure assessed by the doubly labeled water method. <i>Journal of Clinical Epidemiology</i> , 1997 , 50, 541-6	5.7	237
326	Assessing physical activity using wearable monitors: measures of physical activity. <i>Medicine and Science in Sports and Exercise</i> , 2012 , 44, S5-12	1.2	219
325	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
324	The role of high-fat diets and physical activity in the regulation of body weight. <i>British Journal of Nutrition</i> , 2000 , 84, 417-27	3.6	199
323	Dose-dependent satiating effect of whey relative to casein or soy. <i>Physiology and Behavior</i> , 2009 , 96, 675-82	3.5	193

322	Validity of the assessment of dietary intake: problems of misreporting. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2002 , 5, 489-93	3.8	193
321	The Maastricht protocol for the measurement of body composition and energy expenditure with labeled water. <i>Obesity</i> , 1995 , 3 Suppl 1, 49-57		193
320	Daily physical activity assessment with accelerometers: new insights and validation studies. <i>Obesity Reviews</i> , 2013 , 14, 451-62	10.6	191
319	Physical inactivity and obesity: a vicious circle. <i>Obesity</i> , 2008 , 16, 409-14	8	190
318	Doubly labelled water validation of three physical activity questionnaires. <i>International Journal of Sports Medicine</i> , 1999 , 20, 284-9	3.6	190
317	Physical activity energy expenditure has not declined since the 1980s and matches energy expenditures of wild mammals. <i>International Journal of Obesity</i> , 2008 , 32, 1256-63	5.5	189
316	Validity of physical activity monitors during daily life in patients with COPD. <i>European Respiratory Journal</i> , 2013 , 42, 1205-15	13.6	188
315	A dual-respiration chamber system with automated calibration. <i>Journal of Applied Physiology</i> , 1997 , 83, 2064-72	3.7	186
314	Use of the doubly labeled water technique in humans during heavy sustained exercise. <i>Journal of Applied Physiology</i> , 1986 , 61, 2162-7	3.7	184
313	Physical activity but not energy expenditure is reduced in obese adolescents: a case-control study. <i>American Journal of Clinical Nutrition</i> , 2002 , 76, 935-41	7	183
312	Validation of bioelectrical-impedance measurements as a method to estimate body-water compartments. <i>American Journal of Clinical Nutrition</i> , 1994 , 60, 159-66	7	182
311	Pattern and intensity of physical activity. <i>Nature</i> , 2001 , 410, 539	50.4	181
310	Study on food intake and energy expenditure during extreme sustained exercise: the Tour de France. <i>International Journal of Sports Medicine</i> , 1989 , 10 Suppl 1, S26-31	3.6	178
309	Body composition by bioelectrical-impedance analysis compared with deuterium dilution and skinfold anthropometry in patients with chronic obstructive pulmonary disease. <i>American Journal of Clinical Nutrition</i> , 1991 , 53, 421-4	7	173
308	Physical activity assessment with accelerometers. <i>International Journal of Obesity</i> , 1999 , 23 Suppl 3, S45-55	9.5	172
307	Diet induced thermogenesis measured over 24h in a respiration chamber: effect of diet composition. <i>International Journal of Obesity</i> , 1999 , 23, 287-92	5.5	168
306	Daily physical activity assessment: comparison between movement registration and doubly labeled water. <i>Journal of Applied Physiology</i> , 1996 , 81, 1019-26	3.7	167
305	Long-term effect of physical activity on energy balance and body composition. <i>British Journal of Nutrition</i> , 1992 , 68, 21-30	3.6	166

304	Why do individuals not lose more weight from an exercise intervention at a defined dose? An energy balance analysis. <i>Obesity Reviews</i> , 2012 , 13, 835-47	10.6	165
303	Ethnic differences in body composition and the associated metabolic profile: a comparative study between Asians and Caucasians. <i>Maturitas</i> , 2010 , 65, 315-9	5	161
302	Detection of type, duration, and intensity of physical activity using an accelerometer. <i>Medicine and Science in Sports and Exercise</i> , 2009 , 41, 1770-7	1.2	156
301	Energy intake, physical activity and body weight: a simulation model. <i>British Journal of Nutrition</i> , 1995 , 73, 337-47	3.6	149
300	Improving assessment of daily energy expenditure by identifying types of physical activity with a single accelerometer. <i>Journal of Applied Physiology</i> , 2009 , 107, 655-61	3.7	144
299	Reproducibility, validity, and responsiveness to change of a short questionnaire for measuring fruit and vegetable intake. <i>American Journal of Epidemiology</i> , 2004 , 159, 900-9	3.8	142
298	Appetite at "high altitude" [Operation Everest III (Comex-07)]: a simulated ascent of Mount Everest. <i>Journal of Applied Physiology</i> , 1999 , 87, 391-9	3.7	138
297	Changes in fat oxidation in response to a high-fat diet. <i>American Journal of Clinical Nutrition</i> , 1997 , 66, 276-82	7	136
296	Total free living energy expenditure in patients with severe chronic obstructive pulmonary disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1997 , 155, 549-54	10.2	132
295	Resting energy expenditure in patients with chronic obstructive pulmonary disease. <i>American Journal of Clinical Nutrition</i> , 1991 , 54, 983-7	7	128
294	Methods to assess physical activity with special reference to motion sensors and accelerometers. <i>IEEE Transactions on Biomedical Engineering</i> , 1991 , 38, 221-9	5	123
293	Associations between energy demands, physical activity, and body composition in adult humans between 18 and 96 y of age. <i>American Journal of Clinical Nutrition</i> , 2010 , 92, 826-34	7	122
292	Seasonal changes in metabolic and temperature responses to cold air in humans. <i>Physiology and Behavior</i> , 2004 , 82, 545-53	3.5	118
291	Measuring free-living energy expenditure and physical activity with triaxial accelerometry. <i>Obesity</i> , 2005 , 13, 1363-9		118
290	Daily physical activity of schoolchildren with spastic diplegia and of healthy control subjects. <i>Journal of Pediatrics</i> , 1995 , 127, 578-84	3.6	116
289	Physical activity and physical activity induced energy expenditure in humans: measurement, determinants, and effects. <i>Frontiers in Physiology</i> , 2013 , 4, 90	4.6	114
288	Total energy expenditure and spontaneous activity in relation to training in obese boys. <i>American Journal of Clinical Nutrition</i> , 1992 , 55, 777-82	7	113
287	Effect of exercise training on total daily physical activity in elderly humans. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1999 , 80, 16-21		112

286	Comparison of energy expenditure by the doubly labeled water technique with energy intake, heart rate, and activity recording in man. <i>American Journal of Clinical Nutrition</i> , 1989 , 49, 1146-54	7	110
285	Genetic analysis of physical activity in twins. <i>American Journal of Clinical Nutrition</i> , 2005 , 82, 1253-9	7	109
284	Physical activity in daily life in patients with chronic low back pain. <i>Archives of Physical Medicine and Rehabilitation</i> , 2001 , 82, 726-30	2.8	109
283	Deuterium dilution as a method for determining total body water: effect of test protocol and sampling time. <i>British Journal of Nutrition</i> , 1994 , 72, 491-7	3.6	106
282	Underreporting of habitual food intake is explained by undereating in highly motivated lean women. <i>Journal of Nutrition</i> , 1999 , 129, 878-82	4.1	101
281	Gluconeogenesis and energy expenditure after a high-protein, carbohydrate-free diet. <i>American Journal of Clinical Nutrition</i> , 2009 , 90, 519-26	7	96
280	Alterations in energy balance with exercise. <i>American Journal of Clinical Nutrition</i> , 1998 , 68, 970S-974S	7	96
279	Physical activity, food intake, and body weight regulation: insights from doubly labeled water studies. <i>Nutrition Reviews</i> , 2010 , 68, 148-54	6.4	95
278	Parental energy expenditure: a proximate cause of helper recruitment in the pied kingfisher (<i>Ceryle rudis</i>). <i>Behavioral Ecology and Sociobiology</i> , 1985 , 17, 363-369	2.5	95
277	Energy balance during an 8-wk energy-restricted diet with and without exercise in obese women. <i>American Journal of Clinical Nutrition</i> , 1995 , 62, 722-9	7	94
276	Relationship between physical activity related energy expenditure and body composition: a gender difference. <i>International Journal of Obesity</i> , 1997 , 21, 184-8	5.5	92
275	Body movement and physical activity energy expenditure in children and adolescents: how to adjust for differences in body size and age. <i>American Journal of Clinical Nutrition</i> , 2004 , 79, 851-6	7	91
274	Weight loss, weight maintenance, and adaptive thermogenesis. <i>American Journal of Clinical Nutrition</i> , 2013 , 97, 990-4	7	89
273	Physical activity and parameters of aging: a physiological perspective. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2001 , 56 Spec No 2, 7-12	6.4	88
272	Effect of protein source and quantity on protein metabolism in elderly women. <i>American Journal of Clinical Nutrition</i> , 1998 , 68, 1228-35	7	88
271	Physical activity and human energy expenditure. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2004 , 7, 607-13	3.8	87
270	Effect of an 18-wk weight-training program on energy expenditure and physical activity. <i>Journal of Applied Physiology</i> , 1997 , 82, 298-304	3.7	85
269	Increase in fat oxidation on a high-fat diet is accompanied by an increase in triglyceride-derived fatty acid oxidation. <i>Diabetes</i> , 2000 , 49, 640-6	0.9	84

268	Energy expenditure climbing Mt. Everest. <i>Journal of Applied Physiology</i> , 1992 , 73, 1815-9	3.7	81
267	Energy balance at high altitude of 6,542 m. <i>Journal of Applied Physiology</i> , 1994 , 77, 862-6	3.7	80
266	Comparison of doubly labeled water with respirometry at low- and high-activity levels. <i>Journal of Applied Physiology</i> , 1988 , 65, 53-6	3.7	78
265	Effects of oligofructose on appetite profile, glucagon-like peptide 1 and peptide YY3-36 concentrations and energy intake. <i>British Journal of Nutrition</i> , 2011 , 106, 1757-62	3.6	77
264	Effects of medroxyprogesterone acetate on food intake, body composition, and resting energy expenditure in patients with advanced, nonhormone-sensitive cancer 1998 , 82, 553-560		77
263	Assessment of the physical activity level with two questions: validation with doubly labeled water. <i>International Journal of Obesity</i> , 2008 , 32, 1031-3	5.5	77
262	The use of bioelectrical impedance analysis to predict total body water in patients with cancer cachexia. <i>American Journal of Clinical Nutrition</i> , 1995 , 61, 741-5	7	77
261	Postprandial responses in hunger and satiety are associated with the rs9939609 single nucleotide polymorphism in FTO. <i>American Journal of Clinical Nutrition</i> , 2009 , 90, 1426-32	7	76
260	A breakfast with alpha-lactalbumin, gelatin, or gelatin + TRP lowers energy intake at lunch compared with a breakfast with casein, soy, whey, or whey-GMP. <i>Clinical Nutrition</i> , 2009 , 28, 147-55	5.9	76
259	Doubly labelled water assessment of energy expenditure: principle, practice, and promise. <i>European Journal of Applied Physiology</i> , 2017 , 117, 1277-1285	3.4	75
258	Dietary protein, metabolism, and body-weight regulation: dose-response effects. <i>International Journal of Obesity</i> , 2006 , 30, S16-S23	5.5	75
257	Energy balance in cross-country skiers: a study using doubly labeled water. <i>Medicine and Science in Sports and Exercise</i> , 1994 , 26, 720-4	1.2	75
256	Control of energy expenditure in humans. <i>European Journal of Clinical Nutrition</i> , 2017 , 71, 340-344	5.2	72
255	Effects of complete whey-protein breakfasts versus whey without GMP-breakfasts on energy intake and satiety. <i>Appetite</i> , 2009 , 52, 388-95	4.5	72
254	Assessment of physical activity level in relation to obesity: current evidence and research issues. <i>Medicine and Science in Sports and Exercise</i> , 1999 , 31, S522-5	1.2	72
253	Physical activity as determinant of daily energy expenditure. <i>Physiology and Behavior</i> , 2008 , 93, 1039-43	3.5	71
252	Assessment of energy expenditure for physical activity using a triaxial accelerometer. <i>Medicine and Science in Sports and Exercise</i> , 1994 , 26, 1516-23	1.2	71
251	Seasonal variation in total energy expenditure and physical activity in Dutch young adults. <i>Obesity</i> , 2004 , 12, 688-94		70

250	Inaccuracies in food and physical activity diaries of obese subjects: complementary evidence from doubly labeled water and co-twin assessments. <i>International Journal of Obesity</i> , 2010 , 34, 437-45	5.5	69
249	Physical inactivity as a determinant of the physical activity level in the elderly. <i>International Journal of Obesity</i> , 2001 , 25, 935-9	5.5	69
248	How Rats Economize: Energy Loss in Starvation. <i>Physiological Zoology</i> , 1977 , 50, 331-362		68
247	Energy balance, metabolism, hydration, and performance during strenuous hill walking: the effect of age. <i>Journal of Applied Physiology</i> , 2002 , 93, 714-23	3.7	67
246	The effect of a 5-month endurance-training programme on physical activity: evidence for a sex-difference in the metabolic response to exercise. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1991 , 62, 11-7		67
245	The influence of physical activity on BMR. <i>Medicine and Science in Sports and Exercise</i> , 1996 , 28, 85-91	1.2	67
244	Energy expenditure, physical activity and basal metabolic rate of elderly subjects. <i>British Journal of Nutrition</i> , 1995 , 73, 571-81	3.6	66
243	Advances in physical activity monitoring and lifestyle interventions in obesity: a review. <i>International Journal of Obesity</i> , 2012 , 36, 167-77	5.5	65
242	Comparison of the effects of a high- and normal-casein breakfast on satiety, Satiety Hormones, plasma amino acids and subsequent energy intake. <i>British Journal of Nutrition</i> , 2009 , 101, 295-303	3.6	65
241	Measurement of the components of nonexercise activity thermogenesis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001 , 281, E670-5	6	65
240	Intra-individual variation of basal metabolic rate and the influence of daily habitual physical activity before testing. <i>British Journal of Nutrition</i> , 2003 , 90, 419-23	3.6	64
239	Sleeping metabolic rate in relation to body composition and the menstrual cycle. <i>American Journal of Clinical Nutrition</i> , 1992 , 55, 637-40	7	64
238	Evidence of negative energy balance using doubly labelled water in elite Kenyan endurance runners prior to competition. <i>British Journal of Nutrition</i> , 2006 , 95, 59-66	3.6	63
237	Daily physical activity and ageing. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2000 , 3, 485-8	3.8	63
236	Energy expenditure at rest and during sleep in children with Prader-Willi syndrome is explained by body composition. <i>American Journal of Clinical Nutrition</i> , 2000 , 71, 752-6	7	63
235	Validation of the Tracmor triaxial accelerometer system for walking. <i>Medicine and Science in Sports and Exercise</i> , 2001 , 33, 1593-7	1.2	63
234	Energy expenditure and substrate metabolism in patients with cirrhosis of the liver: effects of the pattern of food intake. <i>Gut</i> , 1995 , 36, 110-6	19.2	63
233	Energy, substrate and protein metabolism in morbid obesity before, during and after massive weight loss. <i>International Journal of Obesity</i> , 2000 , 24, 711-8	5.5	61

232	Total daily energy expenditure relative to resting energy expenditure in clinically stable patients with COPD. <i>Thorax</i> , 1997 , 52, 780-5	7.3	60
231	Energetics of free existence in swallows and martins (hirundinidae) during breeding: a comparative study using doubly labeled water. <i>Oecologia</i> , 1984 , 62, 376-381	2.9	60
230	Obesity and physical activity. <i>International Journal of Obesity</i> , 1999 , 23 Suppl 1, 59-64	5.5	59
229	Food quotient, respiratory quotient, and energy balance. <i>American Journal of Clinical Nutrition</i> , 1993 , 57, 759S-764S; discussion 764S-765S	7	59
228	Energy utilization and growth in breast-fed and formula-fed infants measured prospectively during the first year of life. <i>American Journal of Clinical Nutrition</i> , 1998 , 67, 885-96	7	57
227	Effect of variable protein intake on whole-body protein turnover in young men and women. <i>American Journal of Clinical Nutrition</i> , 1995 , 61, 69-74	7	57
226	Comparison of 2 diets with either 25% or 10% of energy as casein on energy expenditure, substrate balance, and appetite profile. <i>American Journal of Clinical Nutrition</i> , 2009 , 89, 831-8	7	56
225	Effects of high and normal soyprotein breakfasts on satiety and subsequent energy intake, including amino acid and satiety hormone responses. <i>European Journal of Nutrition</i> , 2009 , 48, 92-100	5.2	56
224	Estimating activity-related energy expenditure under sedentary conditions using a tri-axial seismic accelerometer. <i>Obesity</i> , 2009 , 17, 1287-92	8	56
223	Repeated measurement of habitual food intake increases under-reporting and induces selective under-reporting. <i>British Journal of Nutrition</i> , 2001 , 85, 629-34	3.6	56
222	Influence of the feeding frequency on nutrient utilization in man: consequences for energy metabolism. <i>European Journal of Clinical Nutrition</i> , 1991 , 45, 161-9	5.2	56
221	Body composition in Prader-Willi syndrome compared with nonsyndromal obesity: Relationship to physical activity and growth hormone function. <i>Journal of Pediatrics</i> , 2001 , 139, 708-14	3.6	55
220	Use of a triaxial accelerometer to validate reported food intakes. <i>American Journal of Clinical Nutrition</i> , 2001 , 73, 549-53	7	55
219	Energy balance in depleted ambulatory patients with chronic obstructive pulmonary disease: the effect of physical activity and oral nutritional supplementation. <i>British Journal of Nutrition</i> , 2003 , 89, 725-31	3.6	54
218	Physical activity pattern of children assessed by triaxial accelerometry. <i>European Journal of Clinical Nutrition</i> , 2004 , 58, 1425-8	5.2	54
217	Calcium excretion, apparent calcium absorption and calcium balance in young and elderly subjects: influence of protein intake. <i>British Journal of Nutrition</i> , 1997 , 77, 721-9	3.6	53
216	Body mass regulation at altitude. <i>European Journal of Gastroenterology and Hepatology</i> , 2006 , 18, 1-3	2.2	53
215	Seasonal variation in sleeping metabolic rate, thyroid activity, and leptin. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003 , 285, E338-43	6	53

214	Effect of the pattern of food intake on human energy metabolism. <i>British Journal of Nutrition</i> , 1993 , 70, 103-15	3.6	53
213	Impacts of vigorous and non-vigorous activity on daily energy expenditure. <i>Proceedings of the Nutrition Society</i> , 2003 , 62, 645-50	2.9	52
212	Effect of diet composition on leptin concentration in lean subjects. <i>Metabolism: Clinical and Experimental</i> , 1997 , 46, 420-4	12.7	50
211	Physical activity level measured by doubly labeled water and accelerometry in children. <i>European Journal of Applied Physiology</i> , 2003 , 89, 624-6	3.4	49
210	Water balance and acute mountain sickness before and after arrival at high altitude of 4,350 m. <i>Journal of Applied Physiology</i> , 1996 , 80, 1968-72	3.7	49
209	Assessment of fat-mass loss during weight reduction in obese women. <i>Metabolism: Clinical and Experimental</i> , 1997 , 46, 968-75	12.7	48
208	Is the ArteACC index a valid indicator of free-living physical activity in adolescents?. <i>Obesity</i> , 2003 , 11, 793-801		48
207	Obesity: lessons from evolution and the environment. <i>Obesity Reviews</i> , 2012 , 13, 910-22	10.6	47
206	Total energy expenditure in infants with bronchopulmonary dysplasia is associated with respiratory status. <i>European Journal of Pediatrics</i> , 1997 , 156, 299-304	4.1	47
205	The effect of fat composition of the diet on energy metabolism. <i>European Journal of Nutrition</i> , 1997 , 36, 303-5		47
204	The shape of the cumulative food intake curve in humans, during basic and manipulated meals. <i>Physiology and Behavior</i> , 1990 , 47, 569-76	3.5	47
203	Validation of an FFQ and options for data processing using the doubly labelled water method in children. <i>Public Health Nutrition</i> , 2011 , 14, 410-7	3.3	46
202	Body composition, water turnover and energy turnover assessment with labelled water. <i>Proceedings of the Nutrition Society</i> , 1999 , 58, 945-51	2.9	46
201	Physical activity, body composition and bone density in ballet dancers. <i>British Journal of Nutrition</i> , 1995 , 74, 439-51	3.6	46
200	Limits to sustainable human metabolic rate. <i>Journal of Experimental Biology</i> , 2001 , 204, 3183-3187	3	46
199	Assessment of energy expenditure in overweight women. <i>Medicine and Science in Sports and Exercise</i> , 1998 , 30, 1191-7	1.2	46
198	Validity of 24-h recalls in (pre-)school aged children: comparison of proxy-reported energy intakes with measured energy expenditure. <i>Clinical Nutrition</i> , 2014 , 33, 79-84	5.9	45
197	A comparison of the effect of free access to reduced fat products or their full fat equivalents on food intake, body weight, blood lipids and fat-soluble antioxidants levels and haemostasis variables. <i>European Journal of Clinical Nutrition</i> , 1998 , 52, 389-95	5.2	45

196	Operation Everest III: energy and water balance. <i>Pflugers Archiv European Journal of Physiology</i> , 2000 , 439, 483-8	4.6	43
195	Daily energy expenditure through the human life course. <i>Science</i> , 2021 , 373, 808-812	33.3	43
194	Dietary fat oxidation as a function of body fat. <i>American Journal of Clinical Nutrition</i> , 2008 , 87, 132-5	7	42
193	Physical activity levels in children and adolescents. <i>International Journal of Obesity</i> , 2003 , 27, 605-9	5.5	42
192	Water loss as a function of energy intake, physical activity and season. <i>British Journal of Nutrition</i> , 2005 , 93, 199-203	3.6	41
191	Activity related energy expenditure in children and adolescents with Prader-Willi syndrome. <i>International Journal of Obesity</i> , 2000 , 24, 429-34	5.5	41
190	Whole-body protein turnover in elderly men and women: responses to two protein intakes. <i>American Journal of Clinical Nutrition</i> , 1995 , 61, 33-8	7	41
189	Heart rate monitoring to assess energy expenditure in children with reduced physical activity. <i>Medicine and Science in Sports and Exercise</i> , 1996 , 28, 496-501	1.2	41
188	Acute effects of breakfasts containing alpha-lactalbumin, or gelatin with or without added tryptophan, on hunger, Satiety hormones and amino acid profiles. <i>British Journal of Nutrition</i> , 2009 , 101, 1859-66	3.6	40
187	Low resting energy expenditure in Asians can be attributed to body composition. <i>Obesity</i> , 2008 , 16, 2212-6	3.6	40
186	Comparative response of EPO and soluble transferrin receptor at high altitude. <i>Medicine and Science in Sports and Exercise</i> , 2004 , 36, 1493-8; discussion 1492	1.2	40
185	Substrate utilization in man: effects of dietary fat and carbohydrate. <i>Metabolism: Clinical and Experimental</i> , 1994 , 43, 152-6	12.7	39
184	Perception, passive overfeeding and energy metabolism. <i>Physiology and Behavior</i> , 2006 , 89, 62-5	3.5	38
183	Body mass, body composition and sleeping metabolic rate before, during and after endurance training. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1994 , 69, 203-8		38
182	Estimation of body composition by bioelectrical impedance in cancer patients. <i>European Journal of Clinical Nutrition</i> , 1990 , 44, 749-52	5.2	37
181	Concomitant changes in sleep duration and body weight and body composition during weight loss and 3-mo weight maintenance. <i>American Journal of Clinical Nutrition</i> , 2013 , 98, 25-31	7	36
180	Energy expenditure during overfeeding. <i>Nutrition and Metabolism</i> , 2006 , 3, 25	4.6	36
179	Exercise-induced oxidative stress in older adults as a function of habitual activity level. <i>Journal of the American Geriatrics Society</i> , 2002 , 50, 349-53	5.6	36

178	Body mass index and daily physical activity in anorexia nervosa. <i>Medicine and Science in Sports and Exercise</i> , 1996 , 28, 967-73	1.2	36
177	Metabolic adaptations to over--and underfeeding--still a matter of debate?. <i>European Journal of Clinical Nutrition</i> , 2013 , 67, 443-5	5.2	35
176	Physical activity assessment: comparison between movement registration and doubly labeled water method. <i>European Journal of Nutrition</i> , 1997 , 36, 263-7		35
175	Limits to sustainable human metabolic rate. <i>Journal of Experimental Biology</i> , 2001 , 204, 3183-7	3	35
174	Accelerometry and heart rate as a measure of physical fitness: cross-validation. <i>Medicine and Science in Sports and Exercise</i> , 2006 , 38, 1510-4	1.2	34
173	Energy expenditure assessed by heart rate and doubly labeled water in young athletes. <i>Medicine and Science in Sports and Exercise</i> , 2002 , 34, 1360-6	1.2	34
172	Changes in physical activity over the lifespan: impact on body composition and sarcopenic obesity. <i>Obesity Reviews</i> , 2018 , 19 Suppl 1, 8-13	10.6	34
171	Wrist-worn accelerometers in assessment of energy expenditure during intensive training. <i>Physiological Measurement</i> , 2012 , 33, 1841-54	2.9	33
170	Reduction of sleeping metabolic rate after vertical banded gastroplasty. <i>International Journal of Obesity</i> , 1998 , 22, 343-8	5.5	33
169	Are skinfold measurements suitable to compare body fat between children with spastic cerebral palsy and healthy controls?. <i>Developmental Medicine and Child Neurology</i> , 1998 , 40, 335-9	3.3	33
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