

# Eric Ravussin

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

387  
papers

27,607  
citations

87  
h-index

156  
g-index

419  
ext. papers

31,811  
ext. citations

8.4  
avg, IF

7.08  
L-index

#	Paper	IF	Citations
387	The NLRP3 inflammasome instigates obesity-induced inflammation and insulin resistance. <i>Nature Medicine</i> , <b>2011</b> , 17, 179-88	50.5	1697
386	Insulin resistance and insulin secretory dysfunction as precursors of non-insulin-dependent diabetes mellitus. Prospective studies of Pima Indians. <i>New England Journal of Medicine</i> , <b>1993</b> , 329, 1988-92	58.2	1126
385	Reduced rate of energy expenditure as a risk factor for body-weight gain. <i>New England Journal of Medicine</i> , <b>1988</b> , 318, 467-72	59.2	980
384	Effect of 6-month calorie restriction on biomarkers of longevity, metabolic adaptation, and oxidative stress in overweight individuals: a randomized controlled trial. <i>JAMA - Journal of the American Medical Association</i> , <b>2006</b> , 295, 1539-48	27.4	671
383	Calorie restriction increases muscle mitochondrial biogenesis in healthy humans. <i>PLoS Medicine</i> , <b>2007</b> , 4, e76	11.6	557
382	A guide to analysis of mouse energy metabolism. <i>Nature Methods</i> , <b>2011</b> , 9, 57-63	21.6	516
381	Calorie restriction and aging: review of the literature and implications for studies in humans. <i>American Journal of Clinical Nutrition</i> , <b>2003</b> , 78, 361-9	7	507
380	Relationship of genetics, age, and physical fitness to daily energy expenditure and fuel utilization. <i>American Journal of Clinical Nutrition</i> , <b>1989</b> , 49, 968-75	7	489
379	Early Time-Restricted Feeding Improves Insulin Sensitivity, Blood Pressure, and Oxidative Stress Even without Weight Loss in Men with Prediabetes. <i>Cell Metabolism</i> , <b>2018</b> , 27, 1212-1221.e3	24.6	453
378	Effect of calorie restriction with or without exercise on insulin sensitivity, beta-cell function, fat cell size, and ectopic lipid in overweight subjects. <i>Diabetes Care</i> , <b>2006</b> , 29, 1337-44	14.6	388
377	Racial differences in the relation between blood pressure and insulin resistance. <i>New England Journal of Medicine</i> , <b>1991</b> , 324, 733-9	59.2	355
376	Increased food energy supply is more than sufficient to explain the US epidemic of obesity. <i>American Journal of Clinical Nutrition</i> , <b>2009</b> , 90, 1453-6	7	340
375	Familial dependence of the resting metabolic rate. <i>New England Journal of Medicine</i> , <b>1986</b> , 315, 96-100	59.2	333
374	The relationship of waist circumference and BMI to visceral, subcutaneous, and total body fat: sex and race differences. <i>Obesity</i> , <b>2011</b> , 19, 402-8	8	314
373	Metabolic flexibility and insulin resistance. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2008</b> , 295, E1009-17	6	309
372	Increased fat intake, impaired fat oxidation, and failure of fat cell proliferation result in ectopic fat storage, insulin resistance, and type 2 diabetes mellitus. <i>Annals of the New York Academy of Sciences</i> , <b>2002</b> , 967, 363-78	6.5	308
371	Meal frequency and timing in health and disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 16647-53	11.5	294

370	Obesity Pathogenesis: An Endocrine Society Scientific Statement. <i>Endocrine Reviews</i> , <b>2017</b> , 38, 267-296	27.2	264
369	A 2-Year Randomized Controlled Trial of Human Caloric Restriction: Feasibility and Effects on Predictors of Health Span and Longevity. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2015</b> , 70, 1097-104	6.4	254
368	Muscle-specific deletion of carnitine acetyltransferase compromises glucose tolerance and metabolic flexibility. <i>Cell Metabolism</i> , <b>2012</b> , 15, 764-77	24.6	250
367	Effect of Alternate-Day Fasting on Weight Loss, Weight Maintenance, and Cardioprotection Among Metabolically Healthy Obese Adults: A Randomized Clinical Trial. <i>JAMA Internal Medicine</i> , <b>2017</b> , 177, 930-938	11.5	248
366	Enhanced weight loss with pramlintide/metreleptin: an integrated neurohormonal approach to obesity pharmacotherapy. <i>Obesity</i> , <b>2009</b> , 17, 1736-43	8	235
365	Leptin mediates the increase in blood pressure associated with obesity. <i>Cell</i> , <b>2014</b> , 159, 1404-16	56.2	232
364	Effects of traditional and western environments on prevalence of type 2 diabetes in Pima Indians in Mexico and the U.S. <i>Diabetes Care</i> , <b>2006</b> , 29, 1866-71	14.6	231
363	Metabolic Slowing and Reduced Oxidative Damage with Sustained Caloric Restriction Support the Rate of Living and Oxidative Damage Theories of Aging. <i>Cell Metabolism</i> , <b>2018</b> , 27, 805-815.e4	24.6	229
362	A 4-wk high-fructose diet alters lipid metabolism without affecting insulin sensitivity or ectopic lipids in healthy humans. <i>American Journal of Clinical Nutrition</i> , <b>2006</b> , 84, 1374-9	7	227
361	Alternate-day fasting in nonobese subjects: effects on body weight, body composition, and energy metabolism. <i>American Journal of Clinical Nutrition</i> , <b>2005</b> , 81, 69-73	7	226
360	Metabolic and behavioral compensations in response to caloric restriction: implications for the maintenance of weight loss. <i>PLoS ONE</i> , <b>2009</b> , 4, e4377	3.7	222
359	Adipose tissue collagen VI in obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2009</b> , 94, 5155-62	5.6	218
358	Relatively low plasma leptin concentrations precede weight gain in Pima Indians. <i>Nature Medicine</i> , <b>1997</b> , 3, 238-40	50.5	216
357	Effect of calorie restriction with or without exercise on body composition and fat distribution. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2007</b> , 92, 865-72	5.6	213
356	Estimating the changes in energy flux that characterize the rise in obesity prevalence. <i>American Journal of Clinical Nutrition</i> , <b>2009</b> , 89, 1723-8	7	204
355	Role of adiponectin in human skeletal muscle bioenergetics. <i>Cell Metabolism</i> , <b>2006</b> , 4, 75-87	24.6	190
354	The acyclic CB1R inverse agonist taranabant mediates weight loss by increasing energy expenditure and decreasing caloric intake. <i>Cell Metabolism</i> , <b>2008</b> , 7, 68-78	24.6	181
353	Caloric restriction in humans: impact on physiological, psychological, and behavioral outcomes. <i>Antioxidants and Redox Signaling</i> , <b>2011</b> , 14, 275-87	8.4	178

352	Mutations in the preproghrelin/ghrelin gene associated with obesity in humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2001</b> , 86, 3996-9	5.6	175
351	Energy expenditure and body composition changes after an isocaloric ketogenic diet in overweight and obese men. <i>American Journal of Clinical Nutrition</i> , <b>2016</b> , 104, 324-33	7	171
350	Caloric restriction alone and with exercise improves CVD risk in healthy non-obese individuals. <i>Atherosclerosis</i> , <b>2009</b> , 203, 206-13	3.1	169
349	Effect of calorie restriction on resting metabolic rate and spontaneous physical activity. <i>Obesity</i> , <b>2007</b> , 15, 2964-73	8	169
348	Early Time-Restricted Feeding Improves 24-Hour Glucose Levels and Affects Markers of the Circadian Clock, Aging, and Autophagy in Humans. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	168
347	Skeletal muscle mitochondria and aging: a review. <i>Journal of Aging Research</i> , <b>2012</b> , 2012, 194821	2.3	168
346	Relationships between body roundness with body fat and visceral adipose tissue emerging from a new geometrical model. <i>Obesity</i> , <b>2013</b> , 21, 2264-71	8	164
345	Racial differences in abdominal depot-specific adiposity in white and African American adults. <i>American Journal of Clinical Nutrition</i> , <b>2010</b> , 91, 7-15	7	162
344	Effect of satiation on brain activity in obese and lean women. <i>Obesity</i> , <b>2001</b> , 9, 676-84		160
343	Metabolic slowing with massive weight loss despite preservation of fat-free mass. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2012</b> , 97, 2489-96	5.6	150
342	Effect of 6-month calorie restriction and exercise on serum and liver lipids and markers of liver function. <i>Obesity</i> , <b>2008</b> , 16, 1355-62	8	150
341	The role of mitochondria in health and disease. <i>Current Opinion in Pharmacology</i> , <b>2009</b> , 9, 780-6	5.1	148
340	Decreased expression of apM1 in omental and subcutaneous adipose tissue of humans with type 2 diabetes. <i>International Journal of Experimental Diabetes Research</i> , <b>2000</b> , 1, 81-8		145
339	Neuroimaging and Obesity. <i>Annals of the New York Academy of Sciences</i> , <b>2006</b> , 967, 389-397	6.5	143
338	Self-report-based estimates of energy intake offer an inadequate basis for scientific conclusions. <i>American Journal of Clinical Nutrition</i> , <b>2013</b> , 97, 1413-5	7	137
337	Energy metabolism after 2 y of energy restriction: the biosphere 2 experiment. <i>American Journal of Clinical Nutrition</i> , <b>2000</b> , 72, 946-53	7	137
336	Defining insulin resistance from hyperinsulinemic-euglycemic clamps. <i>Diabetes Care</i> , <b>2012</b> , 35, 1605-10	14.6	133
335	Role of ghrelin polymorphisms in obesity based on three different studies. <i>Obesity</i> , <b>2002</b> , 10, 782-91		133

334	Body mass index as a measure of adiposity in children and adolescents: relationship to adiposity by dual energy x-ray absorptiometry and to cardiovascular risk factors. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2001</b> , 86, 4061-7	5.6	129
333	Ketogenic Diets Alter the Gut Microbiome Resulting in Decreased Intestinal Th17 Cells. <i>Cell</i> , <b>2020</b> , 181, 1263-1275.e16	56.2	126
332	Decreased expression of adipogenic genes in obese subjects with type 2 diabetes. <i>Obesity</i> , <b>2006</b> , 14, 1543-52	8	125
331	Higher sedentary energy expenditure in patients with Huntington's disease. <i>Annals of Neurology</i> , <b>2000</b> , 47, 64-70	9.4	125
330	Design and conduct of the CALERIE study: comprehensive assessment of the long-term effects of reducing intake of energy. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2011</b> , 66, 97-108	6.4	122
329	Physical activity, genetic, and nutritional considerations in childhood weight management. <i>Medicine and Science in Sports and Exercise</i> , <b>1998</b> , 30, 2-10	1.2	121
328	The implication of brown adipose tissue for humans. <i>Annual Review of Nutrition</i> , <b>2011</b> , 31, 33-47	9.9	119
327	Energy metabolism and oxidative stress: impact on the metabolic syndrome and the aging process. <i>Endocrine</i> , <b>2006</b> , 29, 27-32		119
326	Metabolically healthy and unhealthy obese--the 2013 Stock Conference report. <i>Obesity Reviews</i> , <b>2014</b> , 15, 697-708	10.6	118
325	Isolation of human adipose-derived stem cells from biopsies and liposuction specimens. <i>Methods in Molecular Biology</i> , <b>2008</b> , 449, 69-79	1.4	118
324	Lorcaserin, a 5-HT(2C) receptor agonist, reduces body weight by decreasing energy intake without influencing energy expenditure. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2011</b> , 96, 837-45	5.6	117
323	Measurement of dietary restraint: validity tests of four questionnaires. <i>Appetite</i> , <b>2007</b> , 48, 183-92	4.5	116
322	Structure and sequence variation at the human leptin receptor gene in lean and obese Pima Indians. <i>Human Molecular Genetics</i> , <b>1997</b> , 6, 675-9	5.6	114
321	Assessing risk factors for obesity between childhood and adolescence: II. Energy metabolism and physical activity. <i>Pediatrics</i> , <b>2002</b> , 110, 307-14	7.4	114
320	2 years of calorie restriction and cardiometabolic risk (CALERIE): exploratory outcomes of a multicentre, phase 2, randomised controlled trial. <i>Lancet Diabetes and Endocrinology</i> , <b>2019</b> , 7, 673-683	18.1	112
319	Energy expenditure, fat oxidation, and body weight regulation: a study of metabolic adaptation to long-term weight change. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2000</b> , 85, 1087-94	5.6	112
318	Energy metabolism in African Americans: potential risk factors for obesity. <i>American Journal of Clinical Nutrition</i> , <b>1999</b> , 70, 13-20	7	111
317	Ethnic differences in insulinemia and sympathetic tone as links between obesity and blood pressure. <i>Hypertension</i> , <b>2000</b> , 36, 531-7	8.5	110

316	Low circulating adiponin concentrations with obesity and aging correlate with risk factors for metabolic disease and increase after gastric bypass surgery in humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2012</b> , 97, 3783-91	5.6	109
315	Glucose tolerance and skeletal muscle gene expression in response to alternate day fasting. <i>Obesity</i> , <b>2005</b> , 13, 574-81		109
314	Lateral hypothalamic area deep brain stimulation for refractory obesity: a pilot study with preliminary data on safety, body weight, and energy metabolism. <i>Journal of Neurosurgery</i> , <b>2013</b> , 119, 56-63	3.2	106
313	Metabolic differences and the development of obesity. <i>Metabolism: Clinical and Experimental</i> , <b>1995</b> , 44, 12-4	12.7	106
312	Energy balance and weight regulation: genetics versus environment. <i>British Journal of Nutrition</i> , <b>2000</b> , 83 Suppl 1, S17-20	3.6	105
311	Early Time-Restricted Feeding Reduces Appetite and Increases Fat Oxidation But Does Not Affect Energy Expenditure in Humans. <i>Obesity</i> , <b>2019</b> , 27, 1244-1254	8	104
310	Sex differences in the human brain's response to hunger and satiation. <i>American Journal of Clinical Nutrition</i> , <b>2002</b> , 75, 1017-22	7	103
309	Effects of 2-year calorie restriction on circulating levels of IGF-1, IGF-binding proteins and cortisol in nonobese men and women: a randomized clinical trial. <i>Aging Cell</i> , <b>2016</b> , 15, 22-7	9.9	101
308	Effect of 8 weeks of overfeeding on ectopic fat deposition and insulin sensitivity: testing the "adipose tissue expandability" hypothesis. <i>Diabetes Care</i> , <b>2014</b> , 37, 2789-97	14.6	96
307	Metabolic predictors of weight gain. <i>International Journal of Obesity</i> , <b>1999</b> , 23 Suppl 1, 37-41	5.5	96
306	Estimating the effects of energy imbalance on changes in body weight in children. <i>American Journal of Clinical Nutrition</i> , <b>2006</b> , 83, 859-63	7	90
305	Assessing risk factors for obesity between childhood and adolescence: I. Birth weight, childhood adiposity, parental obesity, insulin, and leptin. <i>Pediatrics</i> , <b>2002</b> , 110, 299-306	7.4	90
304	Total body skeletal muscle mass: estimation by creatine (methyl-d3) dilution in humans. <i>Journal of Applied Physiology</i> , <b>2014</b> , 116, 1605-13	3.7	88
303	Metabolic changes following a 1-year diet and exercise intervention in patients with type 2 diabetes. <i>Diabetes</i> , <b>2010</b> , 59, 627-33	0.9	88
302	Muscle-associated triglyceride measured by computed tomography and magnetic resonance spectroscopy. <i>Obesity</i> , <b>2006</b> , 14, 73-87	8	88
301	Metabolic flexibility in response to glucose is not impaired in people with type 2 diabetes after controlling for glucose disposal rate. <i>Diabetes</i> , <b>2008</b> , 57, 841-5	0.9	87
300	Effect of caloric restriction in non-obese humans on physiological, psychological and behavioral outcomes. <i>Physiology and Behavior</i> , <b>2008</b> , 94, 643-8	3.5	86
299	Adipogenic human adenovirus Ad-36 induces commitment, differentiation, and lipid accumulation in human adipose-derived stem cells. <i>Stem Cells</i> , <b>2008</b> , 26, 969-78	5.8	83

298	Habitual physical activity in children: the role of genes and the environment. <i>American Journal of Clinical Nutrition</i> , <b>2005</b> , 82, 901-8	7	83
297	Brown adipose tissue: mechanisms and potential therapeutic targets. <i>Circulation</i> , <b>2012</b> , 125, 2782-91	16.7	82
296	A low sympathoadrenal activity is associated with body weight gain and development of central adiposity in Pima Indian men. <i>Obesity</i> , <b>1997</b> , 5, 341-7		82
295	Whole-body energy metabolism and skeletal muscle biochemical characteristics. <i>Metabolism: Clinical and Experimental</i> , <b>1994</b> , 43, 481-6	12.7	82
294	The thermic effect of carbohydrate versus fat feeding in man. <i>Metabolism: Clinical and Experimental</i> , <b>1985</b> , 34, 285-93	12.7	82
293	Ethnic-specific BMI and waist circumference thresholds. <i>Obesity</i> , <b>2011</b> , 19, 1272-8	8	77
292	Mutations in the adiponectin gene in lean and obese subjects from the Swedish obese subjects cohort. <i>Metabolism: Clinical and Experimental</i> , <b>2003</b> , 52, 881-4	12.7	77
291	Brown Adipose Tissue: an Update on Recent Findings. <i>Current Obesity Reports</i> , <b>2017</b> , 6, 389-396	8.4	75
290	Lack of an effect of a novel beta3-adrenoceptor agonist, TAK-677, on energy metabolism in obese individuals: a double-blind, placebo-controlled randomized study. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2007</b> , 92, 527-31	5.6	74
289	Energy balance or fat balance?. <i>American Journal of Clinical Nutrition</i> , <b>1993</b> , 57, 766S-770S; discussion 770S-771S	7	72
288	Validation study of energy expenditure and intake during calorie restriction using doubly labeled water and changes in body composition. <i>American Journal of Clinical Nutrition</i> , <b>2007</b> , 85, 73-9	7	71
287	Analysis of energy metabolism in humans: A review of methodologies. <i>Molecular Metabolism</i> , <b>2016</b> , 5, 1057-1071	8.8	71
286	Relationship between muscle sympathetic nerve activity and plasma leptin concentration. <i>Obesity</i> , <b>1997</b> , 5, 338-40		70
285	Human genomics and obesity: finding appropriate drug targets. <i>European Journal of Pharmacology</i> , <b>2000</b> , 410, 131-145	5.3	70
284	Energy intake and physical activity in Pima Indians: comparison with energy expenditure measured by doubly-labeled water. <i>Obesity</i> , <b>1994</b> , 2, 541-8		70
283	Aging, resting metabolic rate, and oxidative damage: results from the Louisiana Healthy Aging Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2007</b> , 62, 752-9	6.4	69
282	Glucose ingestion during exercise blunts exercise-induced gene expression of skeletal muscle fat oxidative genes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2005</b> , 289, E1023-9	6	68
281	Calorie restriction and bone health in young, overweight individuals. <i>Archives of Internal Medicine</i> , <b>2008</b> , 168, 1859-66		67

280	Regulation of skeletal muscle oxidative capacity and insulin signaling by the mitochondrial rhomboid protease PARL. <i>Cell Metabolism</i> , <b>2010</b> , 11, 412-26	24.6	65
279	Ectopic lipid accumulation and reduced glucose tolerance in elderly adults are accompanied by altered skeletal muscle mitochondrial activity. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2012</b> , 97, 242-50	5.6	65
278	Caloric restriction with or without exercise: the fitness versus fatness debate. <i>Medicine and Science in Sports and Exercise</i> , <b>2010</b> , 42, 152-9	1.2	64
277	A comparison of bioimpedance methods for detection of body cell mass change in HIV infection. <i>Journal of Applied Physiology</i> , <b>2000</b> , 88, 944-56	3.7	64
276	Human uncoupling proteins and obesity. <i>Obesity</i> , <b>1999</b> , 7, 97-105		64
275	Body-composition changes in the Comprehensive Assessment of Long-term Effects of Reducing Intake of Energy (CALERIE)-2 study: a 2-y randomized controlled trial of calorie restriction in nonobese humans. <i>American Journal of Clinical Nutrition</i> , <b>2017</b> , 105, 913-927	7	63
274	Examination of cognitive function during six months of calorie restriction: results of a randomized controlled trial. <i>Rejuvenation Research</i> , <b>2007</b> , 10, 179-90	2.6	63
273	Reduced oxygenation in human obese adipose tissue is associated with impaired insulin suppression of lipolysis. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2010</b> , 95, 4052-5	5.6	62
272	Lower total adipocyte number but no evidence for small adipocyte depletion in patients with type 2 diabetes. <i>Diabetes Care</i> , <b>2009</b> , 32, 900-2	14.6	62
271	Approaches for quantifying energy intake and %calorie restriction during calorie restriction interventions in humans: the multicenter CALERIE study. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2012</b> , 302, E441-8	6	61
270	Mitochondrial energetics and insulin resistance. <i>Endocrinology</i> , <b>2008</b> , 149, 950-4	4.8	61
269	Regions of the human brain affected during a liquid-meal taste perception in the fasting state: a positron emission tomography study. <i>American Journal of Clinical Nutrition</i> , <b>1999</b> , 70, 806-10	7	61
268	Decreasing the rate of metabolic ketone reduction in the discovery of a clinical acetyl-CoA carboxylase inhibitor for the treatment of diabetes. <i>Journal of Medicinal Chemistry</i> , <b>2014</b> , 57, 10512-26	8.3	60
267	Significant improvement in cardiometabolic health in healthy nonobese individuals during caloric restriction-induced weight loss and weight loss maintenance. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2018</b> , 314, E396-E405	6	59
266	The insulin-sensitizing role of the fat derived hormone adiponectin. <i>Current Pharmaceutical Design</i> , <b>2003</b> , 9, 1411-8	3.3	58
265	Metabolic adaptation following massive weight loss is related to the degree of energy imbalance and changes in circulating leptin. <i>Obesity</i> , <b>2014</b> , 22, 2563-9	8	57
264	Have we entered the brown adipose tissue renaissance?. <i>Obesity Reviews</i> , <b>2009</b> , 10, 265-8	10.6	56
263	Inactivation of PKC $\theta$ leads to increased susceptibility to obesity and dietary insulin resistance in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2007</b> , 292, E84-91	6	56



262	The fall in leptin concentration is a major determinant of the metabolic adaptation induced by caloric restriction independently of the changes in leptin circadian rhythms. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2011</b> , 96, E1512-6	5.6	54
261	HRAS1 and LASS1 with APOE are associated with human longevity and healthy aging. <i>Aging Cell</i> , <b>2010</b> , 9, 698-708	9.9	54
260	Low plasma leptin concentration and low rates of fat oxidation in weight-stable post-obese subjects. <i>Obesity</i> , <b>2000</b> , 8, 205-10		54
259	Indirect calorimetry: an indispensable tool to understand and predict obesity. <i>European Journal of Clinical Nutrition</i> , <b>2017</b> , 71, 318-322	5.2	53
258	Resveratrol vs. calorie restriction: data from rodents to humans. <i>Experimental Gerontology</i> , <b>2013</b> , 48, 1018-24	4.5	53
257	Impact of 6-month caloric restriction on autonomic nervous system activity in healthy, overweight, individuals. <i>Obesity</i> , <b>2010</b> , 18, 414-6	8	53
256	Respiratory quotient is inversely associated with muscle sympathetic nerve activity. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1998</b> , 83, 3977-9	5.6	52
255	Validation of an inexpensive and accurate mathematical method to measure long-term changes in free-living energy intake. <i>American Journal of Clinical Nutrition</i> , <b>2015</b> , 102, 353-8	7	51
254	Impaired insulin sensitivity and elevated ectopic fat in healthy obese vs. nonobese prepubertal children. <i>Obesity</i> , <b>2012</b> , 20, 371-5	8	50
253	In vitro cellular adaptations of indicators of longevity in response to treatment with serum collected from humans on calorie restricted diets. <i>PLoS ONE</i> , <b>2008</b> , 3, e3211	3.7	50
252	Energy metabolism in obesity. Studies in the Pima Indians. <i>Diabetes Care</i> , <b>1993</b> , 16, 232-8	14.6	50
251	Weight gain reveals dramatic increases in skeletal muscle extracellular matrix remodeling. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2014</b> , 99, 1749-57	5.6	49
250	Leptin replacement prevents weight loss-induced metabolic adaptation in congenital leptin-deficient patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2010</b> , 95, 851-5	5.6	49
249	Adipose tissue distribution in relation to insulin resistance in type 2 diabetes mellitus. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2007</b> , 293, E435-42	6	49
248	Caveolin-1 expression and cavin stability regulate caveolae dynamics in adipocyte lipid store fluctuation. <i>Diabetes</i> , <b>2014</b> , 63, 4032-44	0.9	47
247	Physical activity in aging: comparison among young, aged, and nonagenarian individuals. <i>Journal of Applied Physiology</i> , <b>2008</b> , 105, 495-501	3.7	47
246	Effects of alternate-day fasting or daily calorie restriction on body composition, fat distribution, and circulating adipokines: Secondary analysis of a randomized controlled trial. <i>Clinical Nutrition</i> , <b>2018</b> , 37, 1871-1878	5.9	47
245	Energy requirements in nonobese men and women: results from CALERIE. <i>American Journal of Clinical Nutrition</i> , <b>2014</b> , 99, 71-8	7	46

244	The effect of caloric restriction interventions on growth hormone secretion in nonobese men and women. <i>Aging Cell</i> , <b>2010</b> , 9, 32-9	9.9	46
243	Microanalysis of eating behavior of three leptin deficient adults treated with leptin therapy. <i>Appetite</i> , <b>2005</b> , 45, 75-80	4.5	46
242	Glucose and Lipid Homeostasis and Inflammation in Humans Following an Isocaloric Ketogenic Diet. <i>Obesity</i> , <b>2019</b> , 27, 971-981	8	45
241	Relationship of the white blood cell count to body fat: role of leptin. <i>British Journal of Haematology</i> , <b>1997</b> , 99, 447-51	4.5	44
240	Daily energy expenditure through the human life course. <i>Science</i> , <b>2021</b> , 373, 808-812	33.3	43
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