

# Kevin D Hall

## List of Publications by Year in Descending Order

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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.

102  
papers

10,198  
citations

41  
h-index

100  
g-index

113  
ext. papers

12,427  
ext. citations

10.9  
avg, IF

6.69  
L-index

#	Paper	IF	Citations
102	The energy balance model of obesity: beyond calories in, calories out.. <i>American Journal of Clinical Nutrition</i> , <b>2022</b> ,	7	13
101	Practical, Evidence-Based Approaches to Nutritional Modifications to Reduce Atherosclerotic Cardiovascular Disease: An American Society For Preventive Cardiology Clinical Practice Statement.. <i>American Journal of Preventive Cardiology</i> , <b>2022</b> , 10, 100323	1.9	3
100	Energy compensation and metabolic adaptation: "The Biggest Loser" study reinterpreted. <i>Obesity</i> , <b>2021</b> ,	8	1
99	Eliminate or reformulate ultra-processed foods? Biological mechanisms matter. <i>Cell Metabolism</i> , <b>2021</b> , 33, 2314-2315	24.6	6
98	Emerging insights in weight management and prevention: implications for practice and research. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2021</b> , 46, 288-293	3	2
97	Carbohydrates, insulin, and obesity. <i>Science</i> , <b>2021</b> , 372, 577-578	33.3	13
96	Effect of a plant-based, low-fat diet versus an animal-based, ketogenic diet on ad libitum energy intake. <i>Nature Medicine</i> , <b>2021</b> , 27, 344-353	50.5	35
95	Overestimated Impact of Lower-Carbohydrate Diets on Total Energy Expenditure. <i>Journal of Nutrition</i> , <b>2021</b> , 151, 2496-2497	4.1	2
94	Neonatal exposure to a wild-derived microbiome protects mice against diet-induced obesity. <i>Nature Metabolism</i> , <b>2021</b> , 3, 1042-1057	14.6	7
93	Challenges of human nutrition research. <i>Science</i> , <b>2020</b> , 367, 1298-1300	33.3	12
92	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
91	Imprecision nutrition? Different simultaneous continuous glucose monitors provide discordant meal rankings for incremental postprandial glucose in subjects without diabetes. <i>American Journal of Clinical Nutrition</i> , <b>2020</b> , 112, 1114-1119	7	9
90	Exceptional Reported Effects and Data Anomalies Merit Explanation from "A randomized controlled trial of coordination exercise on cognitive function in obese adolescents" by. <i>Psychology of Sport and Exercise</i> , <b>2020</b> , 46,	4.2	2
89	Do low-carbohydrate diets increase energy expenditure?. <i>International Journal of Obesity</i> , <b>2019</b> , 43, 2350-2354	5.5	21
88	Objective versus Self-Reported Energy Intake Changes During Low-Carbohydrate and Low-Fat Diets. <i>Obesity</i> , <b>2019</b> , 27, 420-426	8	10
87	Glucose and Lipid Homeostasis and Inflammation in Humans Following an Isocaloric Ketogenic Diet. <i>Obesity</i> , <b>2019</b> , 27, 971-981	8	45
86	The Potential Role of Protein Leverage in the US Obesity Epidemic. <i>Obesity</i> , <b>2019</b> , 27, 1222-1224	8	19

85	Ultra-Processed Diets Cause Excess Calorie Intake and Weight Gain: An Inpatient Randomized Controlled Trial of Ad Libitum Food Intake. <i>Cell Metabolism</i> , <b>2019</b> , 30, 67-77.e3	24.6	424
84	Methodologic considerations for measuring energy expenditure differences between diets varying in carbohydrate using the doubly labeled water method. <i>American Journal of Clinical Nutrition</i> , <b>2019</b> , 109, 1328-1334	7	27
83	Challenges Interpreting Inpatient and Outpatient Human Nutrition Studies. <i>Cell Metabolism</i> , <b>2019</b> , 30, 227-228	24.6	0
82	Reply to DS Ludwig et al. <i>American Journal of Clinical Nutrition</i> , <b>2019</b> , 110, 1255-1256	7	
81	Mystery or method? Evaluating claims of increased energy expenditure during a ketogenic diet. <i>PLoS ONE</i> , <b>2019</b> , 14, e0225944	3.7	3
80	Low-carbohydrate diets for the treatment of obesity and type 2 diabetes. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2018</b> , 21, 308-312	3.8	23
79	Simulating long-term human weight-loss dynamics in response to calorie restriction. <i>American Journal of Clinical Nutrition</i> , <b>2018</b> , 107, 558-565	7	8
78	Metabolic Adaptations to Weight Loss. <i>Obesity</i> , <b>2018</b> , 26, 790-791	8	7
77	Did the Food Environment Cause the Obesity Epidemic?. <i>Obesity</i> , <b>2018</b> , 26, 11-13	8	83
76	Accumulating Data to Optimally Predict Obesity Treatment (ADOPT): Recommendations from the Biological Domain. <i>Obesity</i> , <b>2018</b> , 26 Suppl 2, S25-S34	8	19
75	Reply to DM Thomas et al. <i>American Journal of Clinical Nutrition</i> , <b>2018</b> , 108, 901-902	7	
74	Reducing Calories to Lose Weight. <i>JAMA - Journal of the American Medical Association</i> , <b>2018</b> , 319, 2336-2337	7	6
73	Maintenance of Lost Weight and Long-Term Management of Obesity. <i>Medical Clinics of North America</i> , <b>2018</b> , 102, 183-197	7	170
72	The Carbohydrate-Insulin Model of Obesity Is Difficult to Reconcile With Current Evidence. <i>JAMA Internal Medicine</i> , <b>2018</b> , 178, 1103-1105	11.5	33
71	Increases in Physical Activity Result in Diminishing Increments in Daily Energy Expenditure in Mice. <i>Current Biology</i> , <b>2017</b> , 27, 423-430	6.3	27
70	Obesity Energetics: Body Weight Regulation and the Effects of Diet Composition. <i>Gastroenterology</i> , <b>2017</b> , 152, 1718-1727.e3	13.3	167
69	Basal Ganglia Dysfunction Contributes to Physical Inactivity in Obesity. <i>Cell Metabolism</i> , <b>2017</b> , 25, 312-321	24.6	62
68	Proportional Feedback Control of Energy Intake During Obesity Pharmacotherapy. <i>Obesity</i> , <b>2017</b> , 25, 2088-2091	8	13

67	Increased Physical Activity Associated with Less Weight Regain Six Years After "The Biggest Loser" Competition. <i>Obesity</i> , <b>2017</b> , 25, 1838-1843	8	25
66	Computational modeling to predict nitrogen balance during acute metabolic decompensation in patients with urea cycle disorders. <i>Journal of Inherited Metabolic Disease</i> , <b>2016</b> , 39, 17-24	5.4	2
65	Response to "Overstated metabolic adaptation after "The Biggest Loser" intervention". <i>Obesity</i> , <b>2016</b> , 24, 2026	8	2
64	Weight loss diet studies: we need help not hype. <i>Lancet, The</i> , <b>2016</b> , 388, 849-51	40	29
63	Reply to DS Ludwig and CB Ebbeling. <i>American Journal of Clinical Nutrition</i> , <b>2016</b> , 104, 1488-1490	7	5
62	How Strongly Does Appetite Counter Weight Loss? Quantification of the Feedback Control of Human Energy Intake. <i>Obesity</i> , <b>2016</b> , 24, 2289-2295	8	105
61	Modeling Energy Dynamics in Mice with Skeletal Muscle Hypertrophy Fed High Calorie Diets. <i>International Journal of Biological Sciences</i> , <b>2016</b> , 12, 617-30	11.2	4
60	Impact of Masked Replacement of Sugar-Sweetened with Sugar-Free Beverages on Body Weight Increases with Initial BMI: Secondary Analysis of Data from an 18 Month Double-Blind Trial in Children. <i>PLoS ONE</i> , <b>2016</b> , 11, e0159771	3.7	18
59	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
58	Persistent metabolic adaptation 6 years after "The Biggest Loser" competition. <i>Obesity</i> , <b>2016</b> , 24, 1612-8		337
57	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
56	Energy Balance After Sodium-Glucose Cotransporter 2 Inhibition. <i>Diabetes Care</i> , <b>2015</b> , 38, 1730-5	14.6	203
55	Prescribing low-fat diets: useless for long-term weight loss?. <i>Lancet Diabetes and Endocrinology, the</i> , <b>2015</b> , 3, 920-1	18.1	2
54	Calorie for Calorie, Dietary Fat Restriction Results in More Body Fat Loss than Carbohydrate Restriction in People with Obesity. <i>Cell Metabolism</i> , <b>2015</b> , 22, 427-36	24.6	156
53	Nutrition and the science of disease prevention: a systems approach to support metabolic health. <i>Annals of the New York Academy of Sciences</i> , <b>2015</b> , 1352, 1-12	6.5	31
52	NIH working group report: Innovative research to improve maintenance of weight loss. <i>Obesity</i> , <b>2015</b> , 23, 7-15	8	304
51	Management of obesity: improvement of health-care training and systems for prevention and care. <i>Lancet, The</i> , <b>2015</b> , 385, 2521-33	40	250
50	Child and adolescent obesity: part of a bigger picture. <i>Lancet, The</i> , <b>2015</b> , 385, 2510-20	40	637

49	Computational Modelling of Energy Metabolism and Body Composition Dynamics <b>2015</b> , 265-282		2
48	Increased food energy supply as a major driver of the obesity epidemic: a global analysis. <i>Bulletin of the World Health Organization</i> , <b>2015</b> , 93, 446-56	8.2	159
47	Quantifying energy intake changes during obesity pharmacotherapy. <i>Obesity</i> , <b>2014</b> , 22, 2105-8	8	11
46	Short and long-term energy intake patterns and their implications for human body weight regulation. <i>Physiology and Behavior</i> , <b>2014</b> , 134, 60-5	3.5	23
45	Dynamic interplay among homeostatic, hedonic, and cognitive feedback circuits regulating body weight. <i>American Journal of Public Health</i> , <b>2014</b> , 104, 1169-75	5.1	49
44	Order of magnitude misestimation of weight effects of children's meal policy proposals. <i>Childhood Obesity</i> , <b>2014</b> , 10, 542-4	2.5	5
43	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
42	Novel mathematical models for investigating topics in obesity. <i>Advances in Nutrition</i> , <b>2014</b> , 5, 561-2	10	6
41	The ventral pallidum and orbitofrontal cortex support food pleasantness inferences. <i>Brain Structure and Function</i> , <b>2014</b> , 219, 473-83	4	41
40	Dynamics of childhood growth and obesity: development and validation of a quantitative mathematical model. <i>Lancet Diabetes and Endocrinology</i> , <b>2013</b> , 1, 97-105	18.1	92
39	Diet versus exercise in "the biggest loser" weight loss competition. <i>Obesity</i> , <b>2013</b> , 21, 957-9	8	27
38	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
37	Diet composition and obesity [Authors' Reply]. <i>Lancet, The</i> , <b>2012</b> , 379, 1100-1101	40	8
36	Advances in the science and application of body composition measurement. <i>Journal of Parenteral and Enteral Nutrition</i> , <b>2012</b> , 36, 96-107	4.2	45
35	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
34	Modeling metabolic adaptations and energy regulation in humans. <i>Annual Review of Nutrition</i> , <b>2012</b> , 32, 35-54	9.9	49
33	Energy balance and its components: implications for body weight regulation. <i>American Journal of Clinical Nutrition</i> , <b>2012</b> , 95, 989-94	7	374
32	Metabolism of mice and men: mathematical modeling of body weight dynamics. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2012</b> , 15, 418-23	3.8	7

31	Quantitative Physiology of Human Starvation: Adaptations of Energy Expenditure, Macronutrient Metabolism and Body Composition <b>2012</b> , 379-393		5
30	Measuring weight outcomes for obesity intervention strategies: the case of a sugar-sweetened beverage tax. <i>Economics and Human Biology</i> , <b>2011</b> , 9, 329-41	2.6	120
29	Quantification of the effect of energy imbalance on bodyweight. <i>Lancet, The</i> , <b>2011</b> , 378, 826-37	40	688
28	The global obesity pandemic: shaped by global drivers and local environments. <i>Lancet, The</i> , <b>2011</b> , 378, 804-14	40	2717
27	Predicting changes of body weight, body fat, energy expenditure and metabolic fuel selection in C57BL/6 mice. <i>PLoS ONE</i> , <b>2011</b> , 6, e15961	3.7	45
26	Estimating changes in free-living energy intake and its confidence interval. <i>American Journal of Clinical Nutrition</i> , <b>2011</b> , 94, 66-74	7	38
25	Challenges of indirect calorimetry in mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2011</b> , 300, R780; author reply R781-2	3.2	7
24	Estimating the quantitative relation between food energy intake and changes in body weight. <i>American Journal of Clinical Nutrition</i> , <b>2010</b> , 91, 816; author reply 817	7	8
23	Predicting metabolic adaptation, body weight change, and energy intake in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2010</b> , 298, E449-66	6	131
22	Hypertrophy-driven adipocyte death overwhelms recruitment under prolonged weight gain. <i>Biophysical Journal</i> , <b>2010</b> , 99, 3535-44	2.9	28
21	Mathematical modelling of energy expenditure during tissue deposition. <i>British Journal of Nutrition</i> , <b>2010</b> , 104, 4-7	3.6	28
20	Mechanisms of metabolic fuel selection: modeling human metabolism and body-weight change. <i>IEEE Engineering in Medicine and Biology Magazine</i> , <b>2010</b> , 29, 36-41		30
19	Persistent diet-induced obesity in male C57BL/6 mice resulting from temporary obesigenic diets. <i>PLoS ONE</i> , <b>2009</b> , 4, e5370	3.7	101
18	Estimating the continuous-time dynamics of energy and fat metabolism in mice. <i>PLoS Computational Biology</i> , <b>2009</b> , 5, e1000511	5	44
17	Nutritional systems biology modeling: from molecular mechanisms to physiology. <i>PLoS Computational Biology</i> , <b>2009</b> , 5, e1000554	5	62
16	A viscerally driven cachexia syndrome in patients with advanced colorectal cancer: contributions of organ and tumor mass to whole-body energy demands. <i>American Journal of Clinical Nutrition</i> , <b>2009</b> , 89, 1173-9	7	184
15	Models use leptin and calculus to count calories. <i>Cell Metabolism</i> , <b>2009</b> , 9, 3-4	24.6	7
14	The energy cost of protein turnover is arbitrarily distributed between maintenance requirements and protein retention efficiency--comments by Hall. <i>British Journal of Nutrition</i> , <b>2009</b> , 102, 1695-6	3.6	4

13	The progressive increase of food waste in America and its environmental impact. <i>PLoS ONE</i> , <b>2009</b> , 4, e7940	3.7	387
12	What is the required energy deficit per unit weight loss?. <i>International Journal of Obesity</i> , <b>2008</b> , 32, 573-655	5.5	139
11	Modeling weight-loss maintenance to help prevent body weight regain. <i>American Journal of Clinical Nutrition</i> , <b>2008</b> , 88, 1495-503	7	81
10	The dynamics of human body weight change. <i>PLoS Computational Biology</i> , <b>2008</b> , 4, e1000045	5	91
9	Computational modeling of cancer cachexia. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2008</b> , 11, 214-21	3.8	23
8	Dynamic coordination of macronutrient balance during infant growth: insights from a mathematical model. <i>American Journal of Clinical Nutrition</i> , <b>2008</b> , 87, 692-703	7	24
7	How adaptations of substrate utilization regulate body composition. <i>International Journal of Obesity</i> , <b>2007</b> , 31, 1378-83	5.5	18
6	Body fat and fat-free mass inter-relationships: Forbes's theory revisited. <i>British Journal of Nutrition</i> , <b>2007</b> , 97, 1059-63	3.6	81
5	Computational model of in vivo human energy metabolism during semistarvation and refeeding. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2006</b> , 291, E23-37	6	92
4	A plant-based, low-fat diet decreases ad libitum energy intake compared to an animal-based, ketogenic diet: An inpatient randomized controlled trial		3
3	Ultra-processed diets cause excess calorie intake and weight gain: A one-month inpatient randomized controlled trial of ad libitum food intake		10
2	Methodologic Issues in Doubly Labeled Water Measurements of Energy Expenditure During Very Low-Carbohydrate Diets		2
1	Carbs versus fat: does it really matter for maintaining lost weight?		4