

Susan B Racette

List of Publications by Year in descending order

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Version: 2024-02-01

94
papers

6,169
citations

76326

40
h-index

71685

76
g-index

94
all docs

94
docs citations

94
times ranked

7500
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Obesity and Insulin Resistance on Myocardial Substrate Metabolism and Efficiency in Young Women. <i>Circulation</i> , 2004, 109, 2191-2196.	1.6	559
2	Weight Changes, Exercise, and Dietary Patterns During Freshman and Sophomore Years of College. <i>Journal of American College Health</i> , 2005, 53, 245-251.	1.5	382
3	Improvements in glucose tolerance and insulin action induced by increasing energy expenditure or decreasing energy intake: a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2006, 84, 1033-1042.	4.7	305
4	Bone Mineral Density Response to Caloric Restrictionâ€“Induced Weight Loss or Exercise-Induced Weight Loss. <i>Archives of Internal Medicine</i> , 2006, 166, 2502.	3.8	259
5	Hunter-Gatherer Energetics and Human Obesity. <i>PLoS ONE</i> , 2012, 7, e40503.	2.5	256
6	Daily energy expenditure through the human life course. <i>Science</i> , 2021, 373, 808-812.	12.6	234
7	Changes in Weight and Health Behaviors from Freshman through Senior Year of College. <i>Journal of Nutrition Education and Behavior</i> , 2008, 40, 39-42.	0.7	219
8	Calorie restriction or exercise: effects on coronary heart disease risk factors. A randomized, controlled trial. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E197-E202.	3.5	217
9	Phytosterols that are naturally present in commercial corn oil significantly reduce cholesterol absorption in humans. <i>American Journal of Clinical Nutrition</i> , 2002, 75, 1000-1004.	4.7	193
10	One Year of Caloric Restriction in Humans: Feasibility and Effects on Body Composition and Abdominal Adipose Tissue. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2006, 61, 943-950.	3.6	189
11	Lower extremity muscle size and strength and aerobic capacity decrease with caloric restriction but not with exercise-induced weight loss. <i>Journal of Applied Physiology</i> , 2007, 102, 634-640.	2.5	161
12	Obesity: Overview of Prevalence, Etiology, and Treatment. <i>Physical Therapy</i> , 2003, 83, 276-288.	2.4	153
13	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> , 2011, 66A, 97-108.	3.6	151
14	Dose effects of dietary phytosterols on cholesterol metabolism: a controlled feeding study. <i>American Journal of Clinical Nutrition</i> , 2010, 91, 32-38.	4.7	142
15	Abdominal Adiposity Is a Stronger Predictor of Insulin Resistance Than Fitness Among 50â€“95 Year Olds. <i>Diabetes Care</i> , 2006, 29, 673-678.	8.6	126
16	Effects of endurance exercise training on muscle glycogen accumulation in humans. <i>Journal of Applied Physiology</i> , 1999, 87, 222-226.	2.5	111
17	Inhibition of cholesterol absorption by phytosterol-replete wheat germ compared with phytosterol-depleted wheat germ. <i>American Journal of Clinical Nutrition</i> , 2003, 77, 1385-1389.	4.7	108
18	Influence of Weekend Lifestyle Patterns on Body Weight. <i>Obesity</i> , 2008, 16, 1826-1830.	3.0	95

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19	Phytosterol glycosides reduce cholesterol absorption in humans. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, G931-G935.	3.4	91
20	Worksite Opportunities for Wellness (WOW): Effects on cardiovascular disease risk factors after 1Åyear. <i>Preventive Medicine</i> , 2009, 49, 108-114.	3.4	91
21	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> , 2012, 302, E441-E448.	3.5	88
22	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> , 2017, 105, 913-927.	4.7	87
23	A review of diabetes prevention program translations: use of cultural adaptation and implementation research. <i>Translational Behavioral Medicine</i> , 2015, 5, 401-414.	2.4	83
24	Energy expenditure and activity among Hadza hunter-gatherers. <i>American Journal of Human Biology</i> , 2015, 27, 628-637.	1.6	78
25	Effects of Trace Components of Dietary Fat on Cholesterol Metabolism: Phytosterols, Oxysterols, and Squalene. <i>Nutrition Reviews</i> , 2002, 60, 349-359.	5.8	72
26	The Utility of Body Composition Assessment in Nutrition and Clinical Practice: An Overview of Current Methodology. <i>Nutrients</i> , 2021, 13, 2493.	4.1	66
27	Comparison of short-term diet and exercise on insulin action in individuals with abnormal glucose tolerance. <i>Journal of Applied Physiology</i> , 1999, 86, 1930-1935.	2.5	65
28	Effects of soy protein isolate and moderate exercise on bone turnover and bone mineral density in postmenopausal women. <i>Menopause</i> , 2007, 14, 481-488.	2.0	65
29	The Emerging Link Between Alcoholism Risk and Obesity in the United States. <i>Archives of General Psychiatry</i> , 2010, 67, 1301.	12.3	63
30	Effect of calorie restriction on the free-living physical activity levels of nonobese humans: results of three randomized trials. <i>Journal of Applied Physiology</i> , 2011, 110, 956-963.	2.5	63
31	Energy compensation and adiposity in humans. <i>Current Biology</i> , 2021, 31, 4659-4666.e2.	3.9	63
32	Fat-free foods supplemented with soy stanol-lecithin powder reduce cholesterolabsorption and LDL cholesterol. <i>Journal of the American Dietetic Association</i> , 2003, 103, 577-581.	1.1	62
33	A standard calculation methodology for human doubly labeled water studies. <i>Cell Reports Medicine</i> , 2021, 2, 100203.	6.5	62
34	Combined Effects of Ezetimibe and Phytosterols on Cholesterol Metabolism. <i>Circulation</i> , 2011, 124, 596-601.	1.6	56
35	Energy requirements in nonobese men and women: results from CALERIE. <i>American Journal of Clinical Nutrition</i> , 2014, 99, 71-78.	4.7	55
36	The effects of caloric restriction- and exercise-induced weight loss on left ventricular diastolic function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 294, H1174-H1182.	3.2	52

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37	Effects of caloric restriction on human physiological, psychological, and behavioral outcomes: highlights from CALERIE phase 2. <i>Nutrition Reviews</i> , 2021, 79, 98-113.	5.8	48
38	Natural Dietary Phytosterols. <i>Journal of AOAC INTERNATIONAL</i> , 2015, 98, 679-684.	1.5	47
39	Obesity: overview of prevalence, etiology, and treatment. <i>Physical Therapy</i> , 2003, 83, 276-88.	2.4	47
40	Measurement of Physical Activity Among Black and White Obese Women. <i>Obesity</i> , 1995, 3, 261s-265s.	4.0	46
41	Association between Dietary Patterns during Pregnancy and Birth Size Measures in a Diverse Population in Southern US. <i>Nutrients</i> , 2015, 7, 1318-1332.	4.1	43
42	The Doubly Labeled Water Method Produces Highly Reproducible Longitudinal Results in Nutrition Studies. <i>Journal of Nutrition</i> , 2014, 144, 777-783.	2.9	42
43	A Diet Rich in Medium-Chain Fatty Acids Improves Systolic Function and Alters the Lipidomic Profile in Patients With Type 2 Diabetes: A Pilot Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 504-512.	3.6	39
44	Effects of Two Years of Calorie Restriction on Aerobic Capacity and Muscle Strength. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 2240-2249.	0.4	39
45	A Review of Field Techniques for the Assessment of Energy Expenditure. <i>Journal of Nutrition</i> , 1990, 120, 1492-1495.	2.9	38
46	Modest Lifestyle Intervention and Glucose Tolerance in Obese African Americans. <i>Obesity</i> , 2001, 9, 348-355.	4.0	35
47	Phytosterol-Deficient and High-Phytosterol Diets Developed for Controlled Feeding Studies. <i>Journal of the American Dietetic Association</i> , 2009, 109, 2043-2051.	1.1	33
48	Changes in body weight, adherence, and appetite during 2 years of calorie restriction: the CALERIE 2 randomized clinical trial. <i>European Journal of Clinical Nutrition</i> , 2020, 74, 1210-1220.	2.9	32
49	Thiazolidinediones enhance insulin-mediated suppression of fatty acid flux in type 2 diabetes mellitus. <i>Metabolism: Clinical and Experimental</i> , 2002, 51, 169-174.	3.4	31
50	Physical Activity for Campus Employees: A University Worksite Wellness Program. <i>Journal of Physical Activity and Health</i> , 2015, 12, 470-476.	2.0	31
51	Caloric Restriction But Not Exercise-Induced Reductions in Fat Mass Decrease Plasma Triiodothyronine Concentrations: A Randomized Controlled Trial. <i>Rejuvenation Research</i> , 2008, 11, 605-609.	1.8	26
52	Ezetimibe Increases Endogenous Cholesterol Excretion in Humans. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 990-996.	2.4	26
53	Calorie restriction improves lipid-related emerging cardiometabolic risk factors in healthy adults without obesity: Distinct influences of BMI and sex from CALERIE, a multicentre, phase 2, randomised controlled trial. <i>EClinicalMedicine</i> , 2022, 43, 101261.	7.1	26
54	Anthropometric discriminators of type 2 diabetes among White and Black American adults. <i>Journal of Diabetes</i> , 2017, 9, 296-307.	1.8	25

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55	Comparison of Methods for Assessing Abdominal Adipose Tissue from Magnetic Resonance Images. <i>Obesity</i> , 2007, 15, 2240-2244.	3.0	23
56	Obesity and Aerobic Fitness among Urban Public School Students in Elementary, Middle, and High School. <i>PLoS ONE</i> , 2015, 10, e0138175.	2.5	23
57	Best anthropometric discriminators of incident type 2 diabetes among white and black adults: A longitudinal ARIC study. <i>PLoS ONE</i> , 2017, 12, e0168282.	2.5	23
58	Physical activity and fat-free mass during growth and in later life. <i>American Journal of Clinical Nutrition</i> , 2021, 114, 1583-1589.	4.7	22
59	Endogenous Cholesterol Excretion Is Negatively Associated With Carotid Intima-Media Thickness in Humans. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 2364-2369.	2.4	18
60	Change in self-efficacy, eating behaviors and food cravings during two years of calorie restriction in humans without obesity. <i>Appetite</i> , 2019, 143, 104397.	3.7	18
61	BMI-for-age graphs with severe obesity percentile curves: tools for plotting cross-sectional and longitudinal youth BMI data. <i>BMC Pediatrics</i> , 2017, 17, 130.	1.7	17
62	Plasma Biomarker of Dietary Phytosterol Intake. <i>PLoS ONE</i> , 2015, 10, e0116912.	2.5	15
63	Creatine Supplementation and Athletic Performance. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2003, 33, 615-621.	3.5	14
64	Cardiorespiratory Fitness Is Associated With Early Death Among Healthy Young and Middle-Aged Baby Boomers and Generation Xers. <i>American Journal of Medicine</i> , 2020, 133, 961-968.e3.	1.5	14
65	Effect of 2 years of calorie restriction on liver biomarkers: results from the CALERIE phase 2 randomized controlled trial. <i>European Journal of Nutrition</i> , 2021, 60, 1633-1643.	3.9	13
66	Ancestry specific associations of a genetic risk score, dietary patterns and metabolic syndrome: a longitudinal ARIC study. <i>BMC Medical Genomics</i> , 2021, 14, 118.	1.5	13
67	Physical Activity During Recess Outdoors and Indoors Among Urban Public School Students, St. Louis, Missouri, 2010-2011. <i>Preventing Chronic Disease</i> , 2013, 10, E196.	3.4	12
68	Exercise and Cardiometabolic Risk Factors in Graduate Students: A Longitudinal, Observational Study. <i>Journal of American College Health</i> , 2014, 62, 47-56.	1.5	12
69	Influence of Physical Education on Moderate-to-Vigorous Physical Activity of Urban Public School Children in St. Louis, Missouri, 2011-2014. <i>Preventing Chronic Disease</i> , 2015, 12, E31.	3.4	12
70	Modest weight loss improves insulin action in obese African Americans. <i>Metabolism: Clinical and Experimental</i> , 2005, 54, 960-965.	3.4	11
71	Support for Physical Education as a Core Subject in Urban Elementary Schools. <i>American Journal of Preventive Medicine</i> , 2015, 49, 753-756.	3.0	11
72	Simultaneous Pharmacokinetic Analysis of Nitrate and its Reduced Metabolite, Nitrite, Following Ingestion of Inorganic Nitrate in a Mixed Patient Population. <i>Pharmaceutical Research</i> , 2020, 37, 235.	3.5	11

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73	Macronutrient Intake as a Mediator with FTO to Increase Body Mass Index. <i>Journal of the American College of Nutrition</i> , 2014, 33, 256-266.	1.8	10
74	School-Based Physical Activity and Fitness Promotion. <i>Physical Therapy</i> , 2010, 90, 1214-1218.	2.4	9
75	Ancestry specific associations of FTO gene variant and metabolic syndrome. <i>Medicine (United States)</i> , 2020, 99, e18820.	1.0	8
76	Feasibility and Efficacy of Telehealth-Based Resistance Exercise Training in Adolescents with Cystic Fibrosis and Glucose Intolerance. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3297.	2.6	8
77	Menopause and Risk for Obesity: How Important Is Physical Activity?. <i>Journal of Women's Health</i> , 2006, 15, 211-213.	3.3	7
78	Weight status perception and weight loss intention among urban youth. <i>Obesity Research and Clinical Practice</i> , 2019, 13, 391-394.	1.8	7
79	Dietary nitrate's effects on exercise performance in heart failure with reduced ejection fraction (HFrEF). <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 735-740.	3.8	7
80	Total energy expenditure is repeatable in adults but not associated with short-term changes in body composition. <i>Nature Communications</i> , 2022, 13, 99.	12.8	7
81	Relationship Between Age at Menopause, Obesity, and Incident Heart Failure: The Atherosclerosis Risk in Communities Study. <i>Journal of the American Heart Association</i> , 2022, 11, e024461.	3.7	7
82	Sex differences in FITNESSGRAM® health risk based on aerobic capacity and body composition among urban public elementary school children. <i>Preventive Medicine</i> , 2017, 103, 56-59.	3.4	6
83	Human total, basal and activity energy expenditures are independent of ambient environmental temperature. <i>IScience</i> , 2022, 25, 104682.	4.1	6
84	Bayesian Functional Integral Method for Inferring Continuous Data from Discrete Measurements. <i>Biophysical Journal</i> , 2012, 102, 399-406.	0.5	5
85	Weight Loss Affects Intramyocardial Glucose Metabolism in Obese Humans. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e009241.	2.6	4
86	Modified Application of Cardiac Rehabilitation in Older Adults (MACRO) Trial: Protocol changes in a pragmatic multi-site randomized controlled trial in response to the COVID-19 pandemic. <i>Contemporary Clinical Trials</i> , 2022, 112, 106633.	1.8	4
87	Comparison of Bioelectrical Impedance Analysis with DXA in Adolescents with Cystic Fibrosis before and after a Resistance Training Intervention. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4037.	2.6	4
88	Challenges in defining successful adherence to calorie restriction goals in humans: Results from CALERIE®, ¶ 2. <i>Experimental Gerontology</i> , 2022, 162, 111757.	2.8	4
89	Association between the FTO rs9939609 single nucleotide polymorphism and dietary adherence during a 2-year caloric restriction intervention: Exploratory analyses from CALERIE®, ¶ phase 2. <i>Experimental Gerontology</i> , 2021, 155, 111555.	2.8	3
90	The Promise of Selecting Individuals from the Extremes of Exposure in the Analysis of Gene-Physical Activity Interactions. <i>Human Heredity</i> , 2018, 83, 315-332.	0.8	2

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91	Response to Letter Regarding Article, "Combined Effects of Ezetimibe and Phytosterols on Cholesterol Metabolism: A Randomized, Controlled Feeding Study in Humans" Circulation, 2012, 125, .	1.6	1
92	Preparation of intravenous cholesterol tracer using current good manufacturing practices. Journal of Lipid Research, 2015, 56, 2393-2398.	4.2	1
93	Failure to meet aerobic fitness standards among urban elementary students. Preventive Medicine Reports, 2018, 12, 330-335.	1.8	1
94	Nutritional quality of calorie restricted diets in the CALERIE, a 1 trial. Experimental Gerontology, 2022, 165, 111840.	2.8	0