

# Brenda Davy

## List of Publications by Year in descending order

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Version: 2024-02-01

95  
papers

3,498  
citations

147726

31  
h-index

155592

55  
g-index

96  
all docs

96  
docs citations

96  
times ranked

4773  
citing authors

#	ARTICLE	IF	CITATIONS
1	A systematic literature review and meta-analysis: The Theory of Planned Behavior's application to understand and predict nutrition-related behaviors in youth. <i>Eating Behaviors</i> , 2015, 18, 160-178.	1.1	232
2	Development of a Brief Questionnaire to Assess Habitual Beverage Intake (BEVQ-15): Sugar-Sweetened Beverages and Total Beverage Energy Intake. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2012, 112, 840-849.	0.4	204
3	Dietary biomarkers: advances, limitations and future directions. <i>Nutrition Journal</i> , 2012, 11, 109.	1.5	202
4	Water Consumption Increases Weight Loss During a Hypocaloric Diet Intervention in Middle-aged and Older Adults. <i>Obesity</i> , 2010, 18, 300-307.	1.5	161
5	The Beverage Intake Questionnaire: Determining Initial Validity and Reliability. <i>Journal of the American Dietetic Association</i> , 2010, 110, 1227-1232.	1.3	137
6	Health Literacy Is Associated with Healthy Eating Index Scores and Sugar-Sweetened Beverage Intake: Findings from the Rural Lower Mississippi Delta. <i>Journal of the American Dietetic Association</i> , 2011, 111, 1012-1020.	1.3	137
7	Beverage consumption and adult weight management: A review. <i>Eating Behaviors</i> , 2009, 10, 237-246.	1.1	116
8	Effects of a behavioral and health literacy intervention to reduce sugar-sweetened beverages: a randomized-controlled trial. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2016, 13, 38.	2.0	99
9	Probiotic supplementation and trimethylamine-N-oxide production following a high-fat diet. <i>Obesity</i> , 2015, 23, 2357-2363.	1.5	98
10	Large Artery Stiffening With Weight Gain in Humans. <i>Hypertension</i> , 2008, 51, 1519-1524.	1.3	84
11	Exploring the Theory of Planned Behavior to Explain Sugar-sweetened Beverage Consumption. <i>Journal of Nutrition Education and Behavior</i> , 2012, 44, 172-177.	0.3	81
12	Short-term high-fat diet increases postprandial trimethylamine-N-oxide in humans. <i>Nutrition Research</i> , 2015, 35, 858-864.	1.3	77
13	Mechanisms by which cocoa flavanols improve metabolic syndrome and related disorders. <i>Journal of Nutritional Biochemistry</i> , 2016, 35, 1-21.	1.9	74
14	Water Consumption Reduces Energy Intake at a Breakfast Meal in Obese Older Adults. <i>Journal of the American Dietetic Association</i> , 2008, 108, 1236-1239.	1.3	72
15	Body Weight Status, Dietary Habits, and Physical Activity Levels of Middle School-aged Children in Rural Mississippi. <i>Southern Medical Journal</i> , 2004, 97, 571-577.	0.3	71
16	Initiating and maintaining resistance training in older adults: a social cognitive theory-based approach. <i>British Journal of Sports Medicine</i> , 2008, 43, 114-119.	3.1	70
17	Pre-meal Water Consumption Reduces Meal Energy Intake in Older but Not Younger Subjects. <i>Obesity</i> , 2007, 15, 93-99.	1.5	66
18	Does Exercise Alter Gut Microbial Composition? A Systematic Review. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 160-167.	0.2	64

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19	Probiotic supplementation attenuates increases in body mass and fat mass during high-fat diet in healthy young adults. <i>Obesity</i> , 2015, 23, 2364-2370.	1.5	63
20	Habitual physical activity differentially affects acute and short-term energy intake regulation in young and older adults. <i>International Journal of Obesity</i> , 2007, 31, 1277-1285.	1.6	55
21	Daily Self-Monitoring of Body Weight, Step Count, Fruit/Vegetable Intake, and Water Consumption: A Feasible and Effective Long-Term Weight Loss Maintenance Approach. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2012, 112, 685-692.e2.	0.4	54
22	The Hydration Equation. <i>ACSM's Health and Fitness Journal</i> , 2013, 17, 21-28.	0.3	54
23	Sex differences in acute energy intake regulation. <i>Appetite</i> , 2007, 49, 141-147.	1.8	41
24	Association of $\delta^{13}C$ in Fingertick Blood with Added-Sugar and Sugar-Sweetened Beverage Intake. <i>Journal of the American Dietetic Association</i> , 2011, 111, 874-878.	1.3	41
25	Talking Health, A pragmatic randomized-controlled health literacy trial targeting sugar-sweetened beverage consumption among adults: Rationale, design & methods. <i>Contemporary Clinical Trials</i> , 2014, 37, 43-57.	0.8	38
26	The Healthy Beverage Index Is Associated with Reduced Cardiometabolic Risk in US Adults: A Preliminary Analysis. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2015, 115, 1682-1689.e2.	0.4	38
27	Dietary quality changes in response to a sugar-sweetened beverage reduction intervention: results from the Talking Health randomized controlled clinical trial. <i>American Journal of Clinical Nutrition</i> , 2017, 105, 824-833.	2.2	38
28	Skeletal muscle autophagy and mitophagy in endurance-trained runners before and after a high-fat meal. <i>Molecular Metabolism</i> , 2017, 6, 1597-1609.	3.0	36
29	The effect of prebiotic supplementation with inulin on cardiometabolic health: Rationale, design, and methods of a controlled feeding efficacy trial in adults at risk of type 2 diabetes. <i>Contemporary Clinical Trials</i> , 2015, 45, 328-337.	0.8	35
30	The potential for a carbon stable isotope biomarker of dietary sugar intake. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 795-816.	1.6	34
31	A rapid beverage intake questionnaire can detect changes in beverage intake. <i>Eating Behaviors</i> , 2013, 14, 90-94.	1.1	31
32	Dietary Intake, Body Composition, and Menstrual Cycle Changes during Competition Preparation and Recovery in a Drug-Free Figure Competitor: A Case Study. <i>Nutrients</i> , 2016, 8, 740.	1.7	31
33	Beverage Choices of Adolescents and Their Parents Using the Theory of Planned Behavior: A Mixed Methods Analysis. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2016, 116, 226-239.e1.	0.4	31
34	Dietary intake modification in response to a participation in a resistance training program for sedentary older adults with prediabetes: Findings from the Resist Diabetes study. <i>Eating Behaviors</i> , 2014, 15, 379-382.	1.1	29
35	Early skeletal muscle adaptations to short-term high-fat diet in humans before changes in insulin sensitivity. <i>Obesity</i> , 2015, 23, 720-724.	1.5	29
36	Inulin Supplementation Does Not Reduce Plasma Trimethylamine N-Oxide Concentrations in Individuals at Risk for Type 2 Diabetes. <i>Nutrients</i> , 2018, 10, 793.	1.7	28

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37	Size and mineral composition of airborne particles generated by an ultrasonic humidifier. <i>Indoor Air</i> , 2018, 28, 80-88.	2.0	26
38	The Validity of Self-reported Dietary Intake Data: Focus on the "What We Eat In America" Component of the National Health and Nutrition Examination Survey Research Initiative. <i>Mayo Clinic Proceedings</i> , 2015, 90, 845-847.	1.4	25
39	New markers of dietary added sugar intake. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2016, 19, 282-288.	1.3	25
40	Dash to wellness: Emphasizing self-regulation through e-health in adults with prehypertension.. <i>Health Psychology</i> , 2014, 33, 249-254.	1.3	24
41	Prebiotic Inulin Supplementation and Peripheral Insulin Sensitivity in adults at Elevated Risk for Type 2 Diabetes: A Pilot Randomized Controlled Trial. <i>Nutrients</i> , 2021, 13, 3235.	1.7	24
42	Changes in the Healthy Beverage Index in Response to an Intervention Targeting a Reduction in Sugar-Sweetened Beverage Consumption as Compared to an Intervention Targeting Improvements in Physical Activity: Results from the Talking Health Trial. <i>Nutrients</i> , 2015, 7, 10168-10178.	1.7	23
43	Update of the BEVQ-15, a beverage intake questionnaire for habitual beverage intake for adults: determining comparative validity and reproducibility. <i>Journal of Human Nutrition and Dietetics</i> , 2020, 33, 729-737.	1.3	23
44	Beverage intake in low-income parent-child dyads. <i>Eating Behaviors</i> , 2011, 12, 313-316.	1.1	22
45	An evaluation of the readability of drinking water quality reports: a national assessment. <i>Journal of Water and Health</i> , 2015, 13, 645-653.	1.1	22
46	Resistance exercise training and in vitro skeletal muscle oxidative capacity in older adults. <i>Physiological Reports</i> , 2016, 4, e12849.	0.7	21
47	Evaluation of a novel biomarker of added sugar intake ( $^{13}C$ ) compared with self-reported added sugar intake and the Healthy Eating Index-2010 in a community-based, rural US sample. <i>Public Health Nutrition</i> , 2016, 19, 429-436.	1.1	21
48	The Comparative Validity of Interactive Multimedia Questionnaires to Paper-Administered Questionnaires for Beverage Intake and Physical Activity: Pilot Study. <i>JMIR Research Protocols</i> , 2013, 2, e40.	0.5	21
49	Group-Based Lifestyle Sessions for Gestational Weight Gain Management: A Mixed Method Approach. <i>American Journal of Health Behavior</i> , 2014, 38, 560-569.	0.6	20
50	Serum endotoxin, gut permeability and skeletal muscle metabolic adaptations following a short term high fat diet in humans. <i>Metabolism: Clinical and Experimental</i> , 2020, 103, 154041.	1.5	20
51	The Resist Diabetes trial: Rationale, design, and methods of a hybrid efficacy/effectiveness intervention trial for resistance training maintenance to improve glucose homeostasis in older prediabetic adults. <i>Contemporary Clinical Trials</i> , 2014, 37, 19-32.	0.8	19
52	A Dual-Carbon-and-Nitrogen Stable Isotope Ratio Model Is Not Superior to a Single-Carbon Stable Isotope Ratio Model for Predicting Added Sugar Intake in Southwest Virginian Adults. <i>Journal of Nutrition</i> , 2015, 145, 1362-1369.	1.3	19
53	Prediabetes Phenotype Influences Improvements in Glucose Homeostasis with Resistance Training. <i>PLoS ONE</i> , 2016, 11, e0148009.	1.1	19
54	Angiotensin II receptor blockade and insulin sensitivity in overweight and obese adults with elevated blood pressure. <i>Therapeutic Advances in Cardiovascular Disease</i> , 2013, 7, 11-20.	1.0	18

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55	Influence of an intervention targeting a reduction in sugary beverage intake on the $\delta^{13}C$ sugar intake biomarker in a predominantly obese, health-disparate sample. <i>Public Health Nutrition</i> , 2017, 20, 25-29.	1.1	18
56	The Validity of Urine Color as a Hydration Biomarker within the General Adult Population and Athletes: A Systematic Review. <i>Journal of the American College of Nutrition</i> , 2021, 40, 172-179.	1.1	18
57	Impact of Individual and Worksite Environmental Factors on Water and Sugar-Sweetened Beverage Consumption Among Overweight Employees. <i>Preventing Chronic Disease</i> , 2014, 11, E71.	1.7	17
58	Design and methods of "ediaBEAT-it": A hybrid preference/randomized control trial design using the RE-AIM framework. <i>Contemporary Clinical Trials</i> , 2014, 38, 383-396.	0.8	17
59	The Impact of Health Literacy Status on the Comparative Validity and Sensitivity of an Interactive Multimedia Beverage Intake Questionnaire. <i>Nutrients</i> , 2017, 9, 5.	1.7	17
60	Resist diabetes: A randomized clinical trial for resistance training maintenance in adults with prediabetes. <i>PLoS ONE</i> , 2017, 12, e0172610.	1.1	16
61	Using response variation to develop more effective, personalized behavioral medicine?: evidence from the Resist Diabetes study. <i>Translational Behavioral Medicine</i> , 2014, 4, 333-338.	1.2	15
62	Resistance training is associated with spontaneous changes in aerobic physical activity but not overall diet quality in adults with prediabetes. <i>Physiology and Behavior</i> , 2017, 177, 49-56.	1.0	15
63	Urinary Excretion of Sodium, Nitrogen, and Sugar Amounts Are Valid Biomarkers of Dietary Sodium, Protein, and High Sugar Intake in Nonobese Adolescents. <i>Journal of Nutrition</i> , 2017, 147, 2364-2373.	1.3	15
64	The Informal Networks in Food Procurement by Older People" A Cross European Comparison. <i>Ageing International</i> , 2010, 35, 253-275.	0.6	14
65	Is Beverage Consumption Related to Specific Dietary Pattern Intakes?. <i>Current Nutrition Reports</i> , 2015, 4, 72-81.	2.1	14
66	Theory-based approach for maintaining resistance training in older adults with prediabetes: adherence, barriers, self-regulation strategies, treatment fidelity, costs. <i>Translational Behavioral Medicine</i> , 2015, 5, 149-159.	1.2	13
67	Characterization of Non-Nutritive Sweetener Intake in Rural Southwest Virginian Adults Living in a Health-Disparate Region. <i>Nutrients</i> , 2017, 9, 757.	1.7	13
68	Advances in Nutrition Science and Integrative Physiology: Insights From Controlled Feeding Studies. <i>Frontiers in Physiology</i> , 2019, 10, 1341.	1.3	13
69	The $\delta^{13}C$ Value of Fingerstick Blood Is a Valid, Reliable, and Sensitive Biomarker of Sugar-Sweetened Beverage Intake in Children and Adolescents. <i>Journal of Nutrition</i> , 2018, 148, 147-152.	1.3	12
70	Developing a new treatment paradigm for disease prevention and healthy aging. <i>Translational Behavioral Medicine</i> , 2014, 4, 117-123.	1.2	11
71	Assessing clarity of message communication for mandated USEPA drinking water quality reports. <i>Journal of Water and Health</i> , 2016, 14, 223-235.	1.1	11
72	Psychosocial mediators of a theory-based resistance training maintenance intervention for prediabetic adults. <i>Psychology and Health</i> , 2016, 31, 1108-1124.	1.2	10

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73	In Reply—A Discussion of the Refutation of Memory-Based Dietary Assessment Methods (M-BMs): The Rhetorical Defense of Pseudoscientific and Inadmissible Evidence. <i>Mayo Clinic Proceedings</i> , 2015, 90, 1739-1740.	1.4	9
74	Associations Among Chronic Disease Status, Participation in Federal Nutrition Programs, Food Insecurity, and Sugar-Sweetened Beverage and Water Intake Among Residents of a Health-Disparate Region. <i>Journal of Nutrition Education and Behavior</i> , 2015, 47, 196-205.e1.	0.3	9
75	Beginning A Patient-Centered Approach in the Design of A Diabetes Prevention Program. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 2003-2013.	1.2	8
76	Questionnaires for Outcome Expectancy, Self-Regulation, and Behavioral Expectation for Resistance Training Among Young-Old Adults: Development and Preliminary Validity. <i>Journal of Aging and Physical Activity</i> , 2015, 23, 279-285.	0.5	8
77	Short-term changes in added sugar consumption by adolescents reflected in the carbon isotope ratio of fingerstick blood. <i>Nutrition and Health</i> , 2018, 24, 251-259.	0.6	7
78	Pre-meal inulin consumption does not affect acute energy intake in overweight and obese middle-aged and older adults: A randomized controlled crossover pilot trial. <i>Nutrition and Health</i> , 2017, 23, 75-81.	0.6	6
79	Supporting maintenance of sugar-sweetened beverage reduction using automated versus live telephone support: findings from a randomized control trial. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2018, 15, 97.	2.0	6
80	Validation of a Rapid Method to Assess Habitual Beverage Intake Patterns. <i>Nutrients</i> , 2018, 10, 83.	1.7	6
81	Changes in Non-Nutritive Sweetener Consumption Patterns in Response to a Sugar-Sweetened Beverage Reduction Intervention. <i>Nutrients</i> , 2020, 12, 3428.	1.7	6
82	Comparison of assessment techniques: plasma lipid and lipoproteins related to the metabolic syndrome. <i>Lipids in Health and Disease</i> , 2006, 5, 3.	1.2	5
83	Is increased water consumption among older adults associated with improvements in glucose homeostasis?. <i>Open Journal of Preventive Medicine</i> , 2013, 03, 363-367.	0.2	5
84	Postprandial skeletal muscle metabolism following a high-fat diet in sedentary and endurance-trained males. <i>Journal of Applied Physiology</i> , 2020, 128, 872-883.	1.2	4
85	Fasting and postprandial trimethylamine <i>N</i> -oxide in sedentary and endurance-trained males following a short-term high-fat diet. <i>Physiological Reports</i> , 2021, 9, e14970.	0.7	4
86	Adolescents perceive a low added sugar adequate fiber diet to be more satiating and equally palatable compared to a high added sugar low fiber diet in a randomized-crossover design controlled feeding pilot trial. <i>Eating Behaviors</i> , 2018, 30, 9-15.	1.1	3
87	Overfeeding and Substrate Availability, But Not Age or BMI, Alter Human Satellite Cell Function. <i>Nutrients</i> , 2020, 12, 2215.	1.7	3
88	Angiotensin II receptor blockade and skeletal muscle metabolism in overweight and obese adults with elevated blood pressure. <i>Therapeutic Advances in Cardiovascular Disease</i> , 2015, 9, 45-50.	1.0	2
89	Current Knowledge Base of Beverage Health Impacts, Trends, and Intake Recommendations for Children and Adolescents: Implications for Public Health. <i>Current Nutrition Reports</i> , 2021, , 1.	2.1	2
90	Adapting the “Resist Diabetes” Resistance Training Intervention for Veterans. <i>Translational Journal of the American College of Sports Medicine</i> , 2020, 5, 39-50.	0.3	1

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91	Preliminary Assessment of the Healthy Beverage Index for US Children and Adolescents: A Tool to Quantify the Overall Beverage Intake Quality of 2- to 19-Year Olds. Journal of the Academy of Nutrition and Dietetics, 2021, , .	0.4	1
92	A Single-Carbon Stable Isotope Ratio Model Prediction Equation Can Estimate Self-Reported Added Sugars Intake in an Adult Population Living in Southwest Virginia. Nutrients, 2021, 13, 3842.	1.7	1
93	Resistance Training and Mitochondrial Metabolism. FASEB Journal, 2015, 29, LB363.	0.2	0
94	Postprandial Skeletal Muscle Metabolism Following a High Fat Diet in Sedentary and Endurance Trained Males. FASEB Journal, 2019, 33, 795.1.	0.2	0
95	Fasting and Postprandial Trimethylamine N-oxide in Sedentary and Endurance Trained Males. FASEB Journal, 2019, 33, 536.18.	0.2	0