

# Dorothy D Sears

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

4,992  
citations

117453

34  
h-index

95083

68  
g-index

83  
all docs

83  
docs citations

83  
times ranked

10374  
citing authors

#	ARTICLE	IF	CITATIONS
1	The NASA Twins Study: A multidimensional analysis of a year-long human spaceflight. <i>Science</i> , 2019, 364, .	6.0	576
2	Metabolic Effects of Intermittent Fasting. <i>Annual Review of Nutrition</i> , 2017, 37, 371-393.	4.3	469
3	Sirt1 Regulates Adipose Tissue Inflammation. <i>Diabetes</i> , 2011, 60, 3235-3245.	0.3	261
4	Adipocyte NCoR Knockout Decreases PPAR $\beta$ Phosphorylation and Enhances PPAR $\beta$ Activity and Insulin Sensitivity. <i>Cell</i> , 2011, 147, 815-826.	13.5	246
5	Intermittent Fasting and Human Metabolic Health. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2015, 115, 1203-1212.	0.4	242
6	PPAR $\beta$ activation in adipocytes is sufficient for systemic insulin sensitization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 22504-22509.	3.3	231
7	Functional Heterogeneity of CD11c-positive Adipose Tissue Macrophages in Diet-induced Obese Mice. <i>Journal of Biological Chemistry</i> , 2010, 285, 15333-15345.	1.6	200
8	Mechanisms of human insulin resistance and thiazolidinedione-mediated insulin sensitization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18745-18750.	3.3	156
9	TAK1-mediated autophagy and fatty acid oxidation prevent hepatosteatosis and tumorigenesis. <i>Journal of Clinical Investigation</i> , 2014, 124, 3566-3578.	3.9	142
10	Prolonged Nightly Fasting and Breast Cancer Prognosis. <i>JAMA Oncology</i> , 2016, 2, 1049.	3.4	131
11	Time-restricted feeding improves insulin resistance and hepatic steatosis in a mouse model of postmenopausal obesity. <i>Metabolism: Clinical and Experimental</i> , 2016, 65, 1743-1754.	1.5	120
12	Randomized controlled trial of increasing physical activity on objectively measured and self-reported cognitive functioning among breast cancer survivors: The memory & motion study. <i>Cancer</i> , 2018, 124, 192-202.	2.0	118
13	Circulating adipocyte-derived extracellular vesicles are novel markers of metabolic stress. <i>Journal of Molecular Medicine</i> , 2016, 94, 1241-1253.	1.7	117
14	FOXO1 Transrepresses Peroxisome Proliferator-activated Receptor $\beta$ Transactivation, Coordinating an Insulin-induced Feed-forward Response in Adipocytes. <i>Journal of Biological Chemistry</i> , 2009, 284, 12188-12197.	1.6	115
15	12/15-Lipoxygenase Is Required for the Early Onset of High Fat Diet-Induced Adipose Tissue Inflammation and Insulin Resistance in Mice. <i>PLoS ONE</i> , 2009, 4, e7250.	1.1	113
16	Frequency and Circadian Timing of Eating May Influence Biomarkers of Inflammation and Insulin Resistance Associated with Breast Cancer Risk. <i>PLoS ONE</i> , 2015, 10, e0136240.	1.1	92
17	Macrophage Glucose-6-Phosphate Dehydrogenase Stimulates Proinflammatory Responses with Oxidative Stress. <i>Molecular and Cellular Biology</i> , 2013, 33, 2425-2435.	1.1	90
18	The Effects of Intracellular Calcium Depletion on Insulin Signaling in 3T3-L1 Adipocytes. <i>Molecular Endocrinology</i> , 2002, 16, 378-389.	3.7	79

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19	MBX-102/JNJ39659100, a Novel Peroxisome Proliferator-Activated Receptor-Ligand with Weak Transactivation Activity Retains Antidiabetic Properties in the Absence of Weight Gain and Edema. <i>Molecular Endocrinology</i> , 2009, 23, 975-988.	3.7	78
20	Multi-tissue, selective PPAR $\beta$ modulation of insulin sensitivity and metabolic pathways in obese rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 300, E164-E174.	1.8	77
21	Prolonged Nightly Fasting and Breast Cancer Risk: Findings from NHANES (2009-2010). <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2015, 24, 783-789.	1.1	71
22	Osteopontin Is Required for the Early Onset of High Fat Diet-Induced Insulin Resistance in Mice. <i>PLoS ONE</i> , 2010, 5, e13959.	1.1	71
23	Selective modulation of promoter recruitment and transcriptional activity of PPAR $\beta$ . <i>Biochemical and Biophysical Research Communications</i> , 2007, 364, 515-521.	1.0	67
24	Meiotic recombination and segregation of human-derived artificial chromosomes in <i>Saccharomyces cerevisiae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 5296-5300.	3.3	65
25	Gender and Age Differences in Hourly and Daily Patterns of Sedentary Time in Older Adults Living in Retirement Communities. <i>PLoS ONE</i> , 2015, 10, e0136161.	1.1	64
26	Omega-3 fatty acids reduce obesity-induced tumor progression independent of GPR120 in a mouse model of postmenopausal breast cancer. <i>Oncogene</i> , 2015, 34, 3504-3513.	2.6	52
27	High-efficiency yeast artificial chromosome fragmentation vectors. <i>Gene</i> , 1991, 106, 125-127.	1.0	51
28	Inverse Regulation of Inflammation and Mitochondrial Function in Adipose Tissue Defines Extreme Insulin Sensitivity in Morbidly Obese Patients. <i>Diabetes</i> , 2013, 62, 855-863.	0.3	51
29	The Effects of Metformin and Weight Loss on Biomarkers Associated With Breast Cancer Outcomes. <i>Journal of the National Cancer Institute</i> , 2018, 110, 1239-1247.	3.0	51
30	Time-restricted feeding normalizes hyperinsulinemia to inhibit breast cancer in obese postmenopausal mouse models. <i>Nature Communications</i> , 2021, 12, 565.	5.8	51
31	The 2011-2016 Transdisciplinary Research on Energetics and Cancer (TREC) Initiative: Rationale and Design. <i>Cancer Causes and Control</i> , 2013, 24, 695-704.	0.8	48
32	Reduced Dietary Omega-6 to Omega-3 Fatty Acid Ratio and 12/15-Lipoxygenase Deficiency Are Protective against Chronic High Fat Diet-Induced Steatohepatitis. <i>PLoS ONE</i> , 2014, 9, e107658.	1.1	47
33	Sugar-Sweetened Beverage Intake and Cardiovascular Disease Risk in the California Teachers Study. <i>Journal of the American Heart Association</i> , 2020, 9, e014883.	1.6	41
34	AIBP protects against metabolic abnormalities and atherosclerosis. <i>Journal of Lipid Research</i> , 2018, 59, 854-863.	2.0	38
35	Impact of increasing physical activity on cognitive functioning in breast cancer survivors: Rationale and study design of Memory & Motion. <i>Contemporary Clinical Trials</i> , 2015, 45, 371-376.	0.8	37
36	Cancer-cell-secreted extracellular vesicles suppress insulin secretion through miR-122 to impair systemic glucose homeostasis and contribute to tumour growth. <i>Nature Cell Biology</i> , 2022, 24, 954-967.	4.6	35

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37	Obesity-induced changes in lipid mediators persist after weight loss. <i>International Journal of Obesity</i> , 2018, 42, 728-736.	1.6	33
38	Accumulation of microbial DNAs promotes to islet inflammation and $\beta^2$ cell abnormalities in obesity in mice. <i>Nature Communications</i> , 2022, 13, 565.	5.8	33
39	Increased Instability of Human CTG Repeat Tracts on Yeast Artificial Chromosomes during Gametogenesis. <i>Molecular and Cellular Biology</i> , 1999, 19, 4153-4158.	1.1	30
40	Sugar-sweetened beverages and colorectal cancer risk in the California Teachers Study. <i>PLoS ONE</i> , 2019, 14, e0223638.	1.1	30
41	Acute glucoregulatory and vascular outcomes of three strategies for interrupting prolonged sitting time in postmenopausal women: A pilot, laboratory-based, randomized, controlled, 4-condition, 4-period crossover trial. <i>PLoS ONE</i> , 2017, 12, e0188544.	1.1	24
42	Variability in Daily Eating Patterns and Eating Jetlag Are Associated With Worsened Cardiometabolic Risk Profiles in the American Heart Association Go Red for Women Strategically Focused Research Network. <i>Journal of the American Heart Association</i> , 2021, 10, e022024.	1.6	23
43	Mediators of a Physical Activity Intervention on Cognition in Breast Cancer Survivors: Evidence From a Randomized Controlled Trial. <i>JMIR Cancer</i> , 2019, 5, e13150.	0.9	21
44	Sedentary Behaviors and Biomarkers Among Breast Cancer Survivors. <i>Journal of Physical Activity and Health</i> , 2018, 15, 1-6.	1.0	20
45	Habitual Nightly Fasting Duration, Eating Timing, and Eating Frequency are Associated with Cardiometabolic Risk in Women. <i>Nutrients</i> , 2020, 12, 3043.	1.7	20
46	A prospective study of low fasting glucose with cardiovascular disease events and all-cause mortality: The Women's Health Initiative. <i>Metabolism: Clinical and Experimental</i> , 2017, 70, 116-124.	1.5	17
47	Fat-Induced Inflammation Unchecked. <i>Cell Metabolism</i> , 2010, 12, 553-554.	7.2	16
48	Protocol for a cross sectional study of cancer risk, environmental exposures and lifestyle behaviors in a diverse community sample: the Community of Mine study. <i>BMC Public Health</i> , 2019, 19, 186.	1.2	16
49	Recent advances and health implications of dietary fasting regimens on the gut microbiome. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, G847-G863.	1.6	16
50	Inhibition of phosphodiesterase type 9 reduces obesity and cardiometabolic syndrome in mice. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	16
51	Breast cancer survivors reduce accelerometer-measured sedentary time in an exercise intervention. <i>Journal of Cancer Survivorship</i> , 2019, 13, 468-476.	1.5	15
52	Total Sitting Time and Sitting Pattern in Postmenopausal Women Differ by Hispanic Ethnicity and are Associated With Cardiometabolic Risk Biomarkers. <i>Journal of the American Heart Association</i> , 2020, 9, e013403.	1.6	14
53	Modeling Temporal Variation in Physical Activity Using Functional Principal Components Analysis. <i>Statistics in Biosciences</i> , 2019, 11, 403-421.	0.6	13
54	Association of Low Fasting Glucose and HbA1c With Cardiovascular Disease and Mortality: The MESA Study. <i>Journal of the Endocrine Society</i> , 2019, 3, 892-901.	0.1	13

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55	Molecular Characterization of the Tumor Suppressor Candidate 5 Gene: Regulation by PPAR $\alpha$ and Identification of TUSC5 Coding Variants in Lean and Obese Humans. <i>PPAR Research</i> , 2009, 2009, 1-13.	1.1	12
56	Kernel Density Estimation as a Measure of Environmental Exposure Related to Insulin Resistance in Breast Cancer Survivors. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2017, 26, 1078-1084.	1.1	11
57	Associations of Sedentary Behavior and Abdominal Muscle Density: The Multi-Ethnic Study of Atherosclerosis. <i>Journal of Physical Activity and Health</i> , 2018, 15, 827-833.	1.0	10
58	A novel biomarker of cardiometabolic pathology in schizophrenia?. <i>Journal of Psychiatric Research</i> , 2019, 117, 31-37.	1.5	10
59	Diurnal patterns of sedentary behavior and changes in physical function over time among older women: a prospective cohort study. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2020, 17, 88.	2.0	9
60	Impact of intermittent fasting regimens on circulating markers of oxidative stress in overweight and obese humans: A systematic review of randomized controlled trials. <i>Advances in Redox Research</i> , 2021, 3, 100026.	0.9	9
61	Evaluation of the Synuclein- $\beta$ (SNCG) Gene as a PPAR $\alpha$ Target in Murine Adipocytes, Dorsal Root Ganglia Somatosensory Neurons, and Human Adipose Tissue. <i>PLoS ONE</i> , 2015, 10, e0115830.	1.1	8
62	Go Red for Women Strategically Focused Research Network: Summary of Findings and Network Outcomes. <i>Journal of the American Heart Association</i> , 2021, 10, e019519.	1.6	8
63	WISER Survivor Trial: Combined Effect of Exercise and Weight Loss Interventions on Insulin and Insulin Resistance in Breast Cancer Survivors. <i>Nutrients</i> , 2021, 13, 3108.	1.7	8
64	Modeling interrelationships between health behaviors in overweight breast cancer survivors: Applying Bayesian networks. <i>PLoS ONE</i> , 2018, 13, e0202923.	1.1	7
65	Device-Measured and Self-Reported Active Travel Associations with Cardiovascular Disease Risk Factors in an Ethnically Diverse Sample of Adults. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3909.	1.2	7
66	Air pollution and metabolic disorders: Dynamic versus static measures of exposure among Hispanics/Latinos and non-Hispanics. <i>Environmental Research</i> , 2022, 209, 112846.	3.7	6
67	A Low-Glucose Eating Pattern Improves Biomarkers of Postmenopausal Breast Cancer Risk: An Exploratory Secondary Analysis of a Randomized Feasibility Trial. <i>Nutrients</i> , 2021, 13, 4508.	1.7	5
68	Variable Eating Patterns: A Potential Novel Risk Factor for Systemic Inflammation in Women. <i>Annals of Behavioral Medicine</i> , 2023, 57, 93-97.	1.7	4
69	Endothelial-derived cardiovascular disease-related microRNAs elevated with prolonged sitting pattern among postmenopausal women. <i>Scientific Reports</i> , 2021, 11, 11766.	1.6	3
70	Arriba por la Vida Estudio (AVE): Study protocol for a standing intervention targeting postmenopausal Latinas. <i>Contemporary Clinical Trials</i> , 2019, 79, 66-72.	0.8	2
71	A randomized trial of physical activity for cognitive functioning in breast cancer survivors: Rationale and study design of I Can! Improving Cognition After Cancer. <i>Contemporary Clinical Trials</i> , 2021, 102, 106289.	0.8	2
72	Interrupting Sitting Time in Postmenopausal Women: Protocol for the Rise for Health Randomized Controlled Trial. <i>JMIR Research Protocols</i> , 2021, 10, e28684.	0.5	2

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73	Using Isotemporal Analyses to Examine the Relationships Between Daytime Activities and Cancer Recurrence Biomarkers in Breast Cancer Survivors. <i>Journal of Physical Activity and Health</i> , 2020, 17, 217-224.	1.0	2
74	Neighborhoods to Nucleotides—Advances and Gaps for an Obesity Disparities Systems Epidemiology Model. <i>Current Epidemiology Reports</i> , 2019, 6, 476-485.	1.1	1
75	Abstract 13175: Social Jet Lag in Eating Patterns as a Marker of Meal Timing Variability is Associated With Elevated Cardiometabolic Risk in the AHA Go Red for Women Strategically Focused Research Network. <i>Circulation</i> , 2020, 142, .	1.6	1
76	Abstract 14153: Actigraphy-Derived Rest-Activity Patterns Are Associated With Blood Pressure Level and Hypertension: A Prospective Analysis of the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Circulation</i> , 2020, 142, .	1.6	1
77	Effect of diet intervention on inflammation-related gene expression in CD14 + circulating monocytes from metabolic syndrome patients (1037.10). <i>FASEB Journal</i> , 2014, 28, 1037.10.	0.2	0
78	Time-Restricted Feeding Attenuates Breast Cancer Growth in a Mouse Model of Postmenopausal Obesity. <i>FASEB Journal</i> , 2018, 32, 811.19.	0.2	0
79	Endothelial-Derived MicroRNAs are Novel Biomarkers Reflecting Prolonged Sitting Pattern and Physical Activity in Postmenopausal Women: Possible Ethnic Differences. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
80	Differences in metabolic biomarkers in people with schizophrenia who are of Mexican descent compared to non-Hispanic Whites. <i>American Journal of Geriatric Psychiatry</i> , 2022, 30, S48-S49.	0.6	0