

# Rachel A Murphy

## List of Publications by Year in descending order

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Version: 2024-02-01

73  
papers

2,901  
citations

185998

28  
h-index

182168

51  
g-index

74  
all docs

74  
docs citations

74  
times ranked

5582  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nutritional intervention with fish oil provides a benefit over standard of care for weight and skeletal muscle mass in patients with nonsmall cell lung cancer receiving chemotherapy. <i>Cancer</i> , 2011, 117, 1775-1782.	2.0	225
2	Omega-6 fatty acid biomarkers and incident type 2 diabetes: pooled analysis of individual-level data for 39 740 adults from 20 prospective cohort studies. <i>Lancet Diabetes and Endocrinology</i> , 2017, 5, 965-974.	5.5	213
3	Biomarkers of Dietary Omega-6 Fatty Acids and Incident Cardiovascular Disease and Mortality. <i>Circulation</i> , 2019, 139, 2422-2436.	1.6	199
4	Supplementation with fish oil increases first-line chemotherapy efficacy in patients with advanced nonsmall cell lung cancer. <i>Cancer</i> , 2011, 117, 3774-3780.	2.0	179
5	Fatty acid biomarkers of dairy fat consumption and incidence of type 2 diabetes: A pooled analysis of prospective cohort studies. <i>PLoS Medicine</i> , 2018, 15, e1002670.	3.9	143
6	Blood n-3 fatty acid levels and total and cause-specific mortality from 17 prospective studies. <i>Nature Communications</i> , 2021, 12, 2329.	5.8	132
7	Risk of Deficiency in Multiple Concurrent Micronutrients in Children and Adults in the United States. <i>Nutrients</i> , 2017, 9, 655.	1.7	92
8	Weight Change, Body Composition, and Risk of Mobility Disability and Mortality in Older Adults: A Population-Based Cohort Study. <i>Journal of the American Geriatrics Society</i> , 2014, 62, 1476-1483.	1.3	87
9	Dietary Sodium Content, Mortality, and Risk for Cardiovascular Events in Older Adults. <i>JAMA Internal Medicine</i> , 2015, 175, 410.	2.6	87
10	Adipose Tissue Density, a Novel Biomarker Predicting Mortality Risk in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69, 109-117.	1.7	86
11	The Consortium of Metabolomics Studies (COMETS): Metabolomics in 47 Prospective Cohort Studies. <i>American Journal of Epidemiology</i> , 2019, 188, 991-1012.	1.6	81
12	Fat distribution and mortality: The AGES-Reykjavik study. <i>Obesity</i> , 2015, 23, 893-897.	1.5	80
13	Transition to Sarcopenia and Determinants of Transitions in Older Adults: A Population-Based Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69, 751-758.	1.7	76
14	Skeletal Muscle Depletion Is Associated with Reduced Plasma (n-3) Fatty Acids in Non-Small Cell Lung Cancer Patients. <i>Journal of Nutrition</i> , 2010, 140, 1602-1606.	1.3	73
15	Muscle Quality and Muscle Fat Infiltration in Relation to Incident Mobility Disability and Gait Speed Decline: the Age, Gene/Environment Susceptibility-Reykjavik Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 1030-1036.	1.7	65
16	Association of Muscle Endurance, Fatigability, and Strength With Functional Limitation and Mortality in the Health Aging and Body Composition Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, 284-291.	1.7	60
17	Classification of occupational activity categories using accelerometry: NHANES 2003-2004. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2015, 12, 89.	2.0	59
18	Depressive Trajectories and Risk of Disability and Mortality in Older Adults: Longitudinal Findings From the Health, Aging, and Body Composition Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 228-235.	1.7	56

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19	Associations of BMI and adipose tissue area and density with incident mobility limitation and poor performance in older adults. <i>American Journal of Clinical Nutrition</i> , 2014, 99, 1059-1065.	2.2	52
20	Hip Fractures Risk in Older Men and Women Associated With DXA-Derived Measures of Thigh Subcutaneous Fat Thickness, Cross-Sectional Muscle Area, and Muscle Density. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 1414-1421.	3.1	52
21	Plasma Phospholipid PUFAs Are Associated with Greater Muscle and Knee Extension Strength but Not with Changes in Muscle Parameters in Older Adults. <i>Journal of Nutrition</i> , 2015, 145, 105-112.	1.3	47
22	Adipose Tissue, Muscle, and Function: Potential Mediators of Associations Between Body Weight and Mortality in Older Adults With Type 2 Diabetes. <i>Diabetes Care</i> , 2014, 37, 3213-3219.	4.3	46
23	Circulating Vitamin K Is Inversely Associated with Incident Cardiovascular Disease Risk among Those Treated for Hypertension in the Health, Aging, and Body Composition Study (Health ABC). <i>Journal of Nutrition</i> , 2017, 147, 888-895.	1.3	43
24	Associations of fat and muscle tissue with cognitive status in older adults: the AGES-Reykjavik Study. <i>Age and Ageing</i> , 2017, 46, 250-257.	0.7	41
25	Associations of circulating very-long-chain saturated fatty acids and incident type 2 diabetes: a pooled analysis of prospective cohort studies. <i>American Journal of Clinical Nutrition</i> , 2019, 109, 1216-1223.	2.2	39
26	Fatty acids in the de novo lipogenesis pathway and incidence of type 2 diabetes: A pooled analysis of prospective cohort studies. <i>PLoS Medicine</i> , 2020, 17, e1003102.	3.9	38
27	Metabolites Associated With Lean Mass and Adiposity in Older Black Men. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, glw245.	1.7	32
28	Body Mass Index Trajectories in Relation to Change in Lean Mass and Physical Function: The Health, Aging and Body Composition Study. <i>Journal of the American Geriatrics Society</i> , 2015, 63, 1615-1621.	1.3	29
29	Plasma phospholipid fatty acids and fish-oil consumption in relation to osteoporotic fracture risk in older adults: the Age, Gene/Environment Susceptibility Study. <i>American Journal of Clinical Nutrition</i> , 2015, 101, 947-955.	2.2	27
30	Polygenic risk scores for prediction of breast cancer risk in Asian populations. <i>Genetics in Medicine</i> , 2022, 24, 586-600.	1.1	27
31	Daily patterns of physical activity by type 2 diabetes definition: Comparing diabetes, prediabetes, and participants with normal glucose levels in NHANES 2003-2006. <i>Preventive Medicine Reports</i> , 2015, 2, 152-157.	0.8	26
32	Suboptimal Plasma Long Chain n-3 Concentrations are Common among Adults in the United States, NHANES 2003-2004. <i>Nutrients</i> , 2015, 7, 10282-10289.	1.7	25
33	Metabolites Associated with Vigor to Frailty Among Community-Dwelling Older Black Men. <i>Metabolites</i> , 2019, 9, 83.	1.3	24
34	Association of total adiposity and computed tomographic measures of regional adiposity with incident cancer risk: a prospective population-based study of older adults. <i>Applied Physiology, Nutrition and Metabolism</i> , 2014, 39, 687-692.	0.9	21
35	Higher Plasma Phospholipid n-3 PUFAs, but Lower n-6 PUFAs, Are Associated with Lower Pulse Wave Velocity among Older Adults. <i>Journal of Nutrition</i> , 2015, 145, 2317-2324.	1.3	20
36	Dietary patterns in the healthy oldest old in the healthy aging study and the Canadian longitudinal study of aging: a cohort study. <i>BMC Geriatrics</i> , 2020, 20, 106.	1.1	20

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37	Long-chain omega-3 fatty acid serum concentrations across life stages in the USA: an analysis of NHANES 2011-2012. <i>BMJ Open</i> , 2021, 11, e043301.	0.8	20
38	Nutrition and Cancer Prevention: Why is the Evidence Lost in Translation?. <i>Advances in Nutrition</i> , 2019, 10, 410-418.	2.9	17
39	An Integrative Approach to Assessing Diet-Cancer Relationships. <i>Metabolites</i> , 2020, 10, 123.	1.3	17
40	Genome-wide and transcriptome-wide association studies of mammographic density phenotypes reveal novel loci. <i>Breast Cancer Research</i> , 2022, 24, 27.	2.2	15
41	Distinct Reproductive Risk Profiles for Intrinsic-Like Breast Cancer Subtypes: Pooled Analysis of Population-Based Studies. <i>Journal of the National Cancer Institute</i> , 2022, 114, 1706-1719.	3.0	14
42	Candidate Gene Association Study of BMI-Related Loci, Weight, and Adiposity in Old Age. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013, 68, 661-666.	1.7	13
43	Fat Attenuation at CT in Anorexia Nervosa. <i>Radiology</i> , 2016, 279, 151-157.	3.6	13
44	Metabolite Profiles of Healthy Aging Index Are Associated With Cardiovascular Disease in African Americans: The Health, Aging, and Body Composition Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 68-72.	1.7	13
45	Diet Quality among Cancer Survivors and Participants without Cancer: A Population-Based, Cross-Sectional Study in the Atlantic Partnership for Tomorrow's Health Project. <i>Nutrients</i> , 2019, 11, 3027.	1.7	13
46	Metabolites Associated With Risk of Developing Mobility Disability in the Health, Aging and Body Composition Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 73-80.	1.7	12
47	Facilitators and barriers to participation in lifestyle modification for men with prostate cancer: A scoping review. <i>European Journal of Cancer Care</i> , 2020, 29, e13193.	0.7	12
48	A fishy conclusion regarding n-3 fatty acid supplementation in cancer patients. <i>Clinical Nutrition</i> , 2013, 32, 466-467.	2.3	11
49	Measurement of Circulating Phospholipid Fatty Acids: Association between Relative Weight Percentage and Absolute Concentrations. <i>Journal of the American College of Nutrition</i> , 2016, 35, 647-656.	1.1	11
50	The association between diet and mental health and wellbeing in young adults within a biosychosocial framework. <i>PLoS ONE</i> , 2021, 16, e0252358.	1.1	11
51	A Metabolite Composite Score Attenuated a Substantial Portion of the Higher Mortality Risk Associated With Frailty Among Community-Dwelling Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 378-384.	1.7	9
52	Metabolic profiling of adherence to diet, physical activity and body size recommendations for cancer prevention. <i>Scientific Reports</i> , 2018, 8, 16293.	1.6	8
53	Body Composition and Metabolomics in the Alberta Physical Activity and Breast Cancer Prevention Trial. <i>Journal of Nutrition</i> , 2022, 152, 419-428.	1.3	8
54	<i>Trans</i> Fatty Acid Biomarkers and Incident Type 2 Diabetes: Pooled Analysis of 12 Prospective Cohort Studies in the Fatty Acids and Outcomes Research Consortium (FORCE). <i>Diabetes Care</i> , 2022, 45, 854-863.	4.3	8

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55	Lifestyle factors and lung cancer risk among never smokers in the Canadian Partnership for Tomorrow's Health (CanPath). <i>Cancer Causes and Control</i> , 2022, 33, 913-918.	0.8	8
56	Assessing the nutritional needs of men with prostate cancer. <i>Nutrition Journal</i> , 2019, 18, 81.	1.5	6
57	Diet Quality and Neighborhood Environment in the Atlantic Partnership for Tomorrow's Health Project. <i>Nutrients</i> , 2020, 12, 3217.	1.7	6
58	Functional annotation of the 2q35 breast cancer risk locus implicates a structural variant in influencing activity of a long-range enhancer element. <i>American Journal of Human Genetics</i> , 2021, 108, 1190-1203.	2.6	6
59	Rare germline copy number variants (CNVs) and breast cancer risk. <i>Communications Biology</i> , 2022, 5, 65.	2.0	6
60	A Genome-Wide Gene-Based Gene-Environment Interaction Study of Breast Cancer in More than 90,000 Women. <i>Cancer Research Communications</i> , 2022, 2, 211-219.	0.7	6
61	Cross-Sectional Blood Metabolite Markers of Hypertension: A Multicohort Analysis of 44,306 Individuals from the Consortium of METabolomics Studies. <i>Metabolites</i> , 2022, 12, 601.	1.3	6
62	Adherence to Cancer Prevention Guidelines among Older White and Black Adults in the Health ABC Study. <i>Nutrients</i> , 2019, 11, 1008.	1.7	5
63	Examining the etiology of early-onset breast cancer in the Canadian Partnership for Tomorrow's Health (CanPath). <i>Cancer Causes and Control</i> , 2021, 32, 1117-1128.	0.8	5
64	Beyond Breast Cancer: Mammographic Features and Mortality Risk in a Population of Healthy Women. <i>PLoS ONE</i> , 2013, 8, e78722.	1.1	5
65	Anti-hypertensive medications and risk of colorectal cancer: a systematic review and meta-analysis. <i>Cancer Causes and Control</i> , 2022, 33, 801-812.	0.8	4
66	Re: Associations of Body Mass Index, Smoking, and Alcohol Consumption With Prostate Cancer Mortality in the Asia Cohort Consortium. <i>American Journal of Epidemiology</i> , 2015, 182, 971-971.	1.6	3
67	Association of omega-3 levels and sleep in US adults, National Health and Nutrition Examination Survey, 2011-2012. <i>Sleep Health</i> , 2022, 8, 294-297.	1.3	2
68	Genome-wide interaction analysis of menopausal hormone therapy use and breast cancer risk among 62,370 women. <i>Scientific Reports</i> , 2022, 12, 6199.	1.6	2
69	Plasma levels of platinum-induced fatty acid [16:4n-3] do not affect response to platinum-based chemotherapy: A pilot study in non-small cell lung cancer patients. <i>Clinical Nutrition ESPEN</i> , 2020, 40, 263-268.	0.5	1
70	PUFA $\omega$ -3 and $\omega$ -6 biomarkers and sleep: a pooled analysis of cohort studies on behalf of the Fatty Acids and Outcomes Research Consortium (FORCE). <i>American Journal of Clinical Nutrition</i> , 2022, 115, 864-876.	2.2	1
71	Relevance of the MHC region for breast cancer susceptibility in Asians. <i>Breast Cancer</i> , 2022, 29, 869-879.	1.3	1
72	Adult Full Spectrum Multivitamin/Multimineral Supplement Users Have a Lower Prevalence of Vitamin and Mineral Deficiencies. <i>FASEB Journal</i> , 2015, 29, 586.2.	0.2	0

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73	Lower Prevalence Of Vitamin And Mineral Deficiencies Among Adolescent Users Of Full Spectrum Multivitamin/Multimineral Supplements. FASEB Journal, 2015, 29, 250.4.	0.2	0