

Barbara J Nicklas

List of Publications by Year in descending order

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76
papers

4,072
citations

218677

26
h-index

118850

62
g-index

80
all docs

80
docs citations

80
times ranked

6622
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Caloric Restriction or Aerobic Exercise Training on Peak Oxygen Consumption and Quality of Life in Obese Older Patients With Heart Failure With Preserved Ejection Fraction. <i>JAMA - Journal of the American Medical Association</i> , 2016, 315, 36.	7.4	581
2	Diet-induced weight loss, exercise, and chronic inflammation in older, obese adults: a randomized controlled clinical trial. <i>American Journal of Clinical Nutrition</i> , 2004, 79, 544-551.	4.7	374
3	Association of Visceral Adipose Tissue with Incident Myocardial Infarction in Older Men and Women: The Health, Aging and Body Composition Study. <i>American Journal of Epidemiology</i> , 2004, 160, 741-749.	3.4	237
4	Exercise Training and Plasma C-reactive Protein and Interleukin-6 in Elderly People. <i>Journal of the American Geriatrics Society</i> , 2008, 56, 2045-2052.	2.6	237
5	Behavioural treatments for chronic systemic inflammation: effects of dietary weight loss and exercise training. <i>Cmaj</i> , 2005, 172, 1199-1209.	2.0	195
6	Skeletal Muscle Composition and Its Relation to Exercise Intolerance in Older Patients With Heart Failure and Preserved Ejection Fraction. <i>American Journal of Cardiology</i> , 2014, 113, 1211-1216.	1.6	183
7	Abdominal Obesity Is an Independent Risk Factor for Chronic Heart Failure in Older People. <i>Journal of the American Geriatrics Society</i> , 2006, 54, 413-420.	2.6	169
8	Visceral Adipose Tissue Cutoffs Associated With Metabolic Risk Factors for Coronary Heart Disease in Women. <i>Diabetes Care</i> , 2003, 26, 1413-1420.	8.6	166
9	Intentional Weight Loss and All-Cause Mortality: A Meta-Analysis of Randomized Clinical Trials. <i>PLoS ONE</i> , 2015, 10, e0121993.	2.5	155
10	Physiological Aging: Links Among Adipose Tissue Dysfunction, Diabetes, and Frailty. <i>Physiology</i> , 2017, 32, 9-19.	3.1	154
11	Skeletal Muscle Mitochondrial Content, Oxidative Capacity, and Mfn2 Expression Are Reduced in Older Patients With Heart Failure and Preserved Ejection Fraction and Are Related to Exercise Intolerance. <i>JACC: Heart Failure</i> , 2016, 4, 636-645.	4.1	127
12	Exercise Training as a Treatment for Chronic Inflammation in the Elderly. <i>Exercise and Sport Sciences Reviews</i> , 2009, 37, 165-170.	3.0	110
13	Intentional Weight Loss in Overweight and Obese Patients With Knee Osteoarthritis: Is More Better?. <i>Arthritis Care and Research</i> , 2018, 70, 1569-1575.	3.4	102
14	Effects of resistance training with and without caloric restriction on physical function and mobility in overweight and obese older adults: a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2015, 101, 991-999.	4.7	101
15	Regional Adipose Distribution and its Relationship to Exercise Intolerance in Older Obese Patients Who Have Heart Failure With Preserved Ejection Fraction. <i>JACC: Heart Failure</i> , 2018, 6, 640-649.	4.1	101
16	Aerobic Exercise for Reducing Migraine Burden: Mechanisms, Markers, and Models of Change Processes. <i>Headache</i> , 2016, 56, 357-369.	3.9	90
17	Alterations of a Cellular Cholesterol Metabolism Network Are a Molecular Feature of Obesity-Related Type 2 Diabetes and Cardiovascular Disease. <i>Diabetes</i> , 2015, 64, 3464-3474.	0.6	82
18	Respirometric Profiling of Muscle Mitochondria and Blood Cells Are Associated With Differences in Gait Speed Among Community-Dwelling Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 1394-1399.	3.6	80

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19	Effect of High-Intensity Strength Training on Knee Pain and Knee Joint Compressive Forces Among Adults With Knee Osteoarthritis. <i>JAMA - Journal of the American Medical Association</i> , 2021, 325, 646.	7.4	75
20	Blood-cell bioenergetics are associated with physical function and inflammation in overweight/obese older adults. <i>Experimental Gerontology</i> , 2015, 70, 84-91.	2.8	59
21	Resistance Training Enhances Skeletal Muscle Innervation Without Modifying the Number of Satellite Cells or their Myofiber Association in Obese Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 1273-1280.	3.6	51
22	Effect of Exercise Type During Intentional Weight Loss on Body Composition in Older Adults with Obesity. <i>Obesity</i> , 2017, 25, 1823-1829.	3.0	49
23	Impact of methods used to express levels of circulating fatty acids on the degree and direction of associations with blood lipids in humans. <i>British Journal of Nutrition</i> , 2016, 115, 251-261.	2.3	42
24	Effect of Exercise Modality During Weight Loss on Bone Health in Older Adults With Obesity and Cardiovascular Disease or Metabolic Syndrome: A Randomized Controlled Trial. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 2140-2149.	2.8	41
25	Self-monitoring of spontaneous physical activity and sedentary behavior to prevent weight regain in older adults. <i>Obesity</i> , 2014, 22, 1406-1412.	3.0	33
26	Physical Function and Its Response to Exercise: Associations With Cytokine Gene Variation in Older Adults With Knee Osteoarthritis. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2005, 60, 1292-1298.	3.6	29
27	Relationships between mitochondrial content and bioenergetics with obesity, body composition and fat distribution in healthy older adults. <i>BMC Obesity</i> , 2015, 2, 40.	3.1	27
28	Relationship of physical function to vastus lateralis capillary density and metabolic enzyme activity in elderly men and women. <i>Aging Clinical and Experimental Research</i> , 2008, 20, 302-309.	2.9	24
29	Effects of Caloric Restriction on Cardiorespiratory Fitness, Fatigue, and Disability Responses to Aerobic Exercise in Older Adults With Obesity: A Randomized Controlled Trial. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 74, 1084-1090.	3.6	24
30	A Mobile Health Intervention to Reduce Pain and Improve Health (MORPH) in Older Adults With Obesity: Protocol for the MORPH Trial. <i>JMIR Research Protocols</i> , 2018, 7, e128.	1.0	23
31	Increased skeletal intermuscular fat is associated with reduced exercise capacity in cancer survivors: a cross-sectional study. <i>Cardio-Oncology</i> , 2019, 5, 3.	1.7	22
32	Circulating MiRNAs as biomarkers of gait speed responses to aerobic exercise training in obese older adults. <i>Aging</i> , 2017, 9, 900-913.	3.1	22
33	Caloric Restriction for Treatment of Geriatric Obesity: Do the Benefits Outweigh the Risks?. <i>Current Nutrition Reports</i> , 2015, 4, 143-155.	4.3	21
34	Human Slow Troponin T (TNNT1) Pre-mRNA Alternative Splicing Is an Indicator of Skeletal Muscle Response to Resistance Exercise in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69, 1437-1447.	3.6	20
35	Improved knee extensor strength with resistance training associates with muscle specific miRNAs in older adults. <i>Experimental Gerontology</i> , 2015, 62, 7-13.	2.8	20
36	Pivotal Role of Excess Intra-Abdominal Adipose in the Pathogenesis of Metabolic/Obese HFpEF. <i>JACC: Heart Failure</i> , 2018, 6, 1008-1010.	4.1	20

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37	Gait speed response to aerobic versus resistance exercise training in older adults. <i>Aging Clinical and Experimental Research</i> , 2017, 29, 969-976.	2.9	19
38	Long-Term Effects of Randomization to a Weight Loss Intervention in Older Adults: A Pilot Study. <i>Journal of Nutrition in Gerontology and Geriatrics</i> , 2019, 38, 83-99.	1.0	19
39	A Mobile Health Behavior Intervention to Reduce Pain and Improve Health in Older Adults With Obesity and Chronic Pain: The MORPH Pilot Trial. <i>Frontiers in Digital Health</i> , 2020, 2, .	2.8	19
40	Intervening on exercise and daylong movement for weight loss maintenance in older adults: A randomized, clinical trial. <i>Obesity</i> , 2022, 30, 85-95.	3.0	14
41	Racial differences in circulating levels of the soluble receptor for advanced glycation endproducts in middle-aged and older adults. <i>Metabolism: Clinical and Experimental</i> , 2017, 70, 98-106.	3.4	13
42	Effect of Weight Change Following Intentional Weight Loss on Bone Health in Older Adults with Obesity. <i>Obesity</i> , 2019, 27, 1839-1845.	3.0	13
43	Osteocalcin carboxylation is not associated with body weight or percent fat changes during weight loss in post-menopausal women. <i>Endocrine</i> , 2015, 50, 627-632.	2.3	9
44	Cognitive Effects of Adding Caloric Restriction to Aerobic Exercise Training in Older Adults with Obesity. <i>Obesity</i> , 2019, 27, 1266-1274.	3.0	9
45	Does the Impact of Intensive Lifestyle Intervention on Cardiovascular Disease Risk Vary According to Frailty as Measured via Deficit Accumulation?. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 339-345.	3.6	9
46	Association of Sex or Race With the Effect of Weight Loss on Physical Function. <i>JAMA Network Open</i> , 2020, 3, e2014631.	5.9	8
47	Functional Brain Networks: Unique Patterns with Hedonic Appetite and Confidence to Resist Eating in Older Adults with Obesity. <i>Obesity</i> , 2020, 28, 2379-2388.	3.0	8
48	FEASIBILITY OF WEIGHTED VEST USE DURING A DIETARY WEIGHT LOSS INTERVENTION AND EFFECTS ON BODY COMPOSITION AND PHYSICAL FUNCTION IN OLDER ADULTS. <i>Journal of Frailty & Aging,the</i> , 2018, 7, 1-6.	1.3	7
49	Dietary Weight Loss, Exercise, and Inflammation in Older Adults with Overweight or Obesity and Cardiometabolic Disease. <i>Obesity</i> , 2019, 27, 1805-1811.	3.0	7
50	Creating effective academic research teams: Two tools borrowed from business practice. <i>Journal of Clinical and Translational Science</i> , 2021, 5, e74.	0.6	7
51	Exercise, Weight Loss, and Effects on Inflammation. <i>Current Cardiovascular Risk Reports</i> , 2010, 4, 284-292.	2.0	6
52	Intervening on spontaneous physical activity to prevent weight regain in older adults: Design of a randomized, clinical trial. <i>Contemporary Clinical Trials</i> , 2012, 33, 450-455.	1.8	6
53	Effect of Metabolic Syndrome on the Mobility Benefit of a Structured Physical Activity Interventionâ€”The Lifestyle Interventions and Independence for Elders Randomized Clinical Trial. <i>Journal of the American Geriatrics Society</i> , 2017, 65, 1244-1250.	2.6	6
54	Intervening on physical activity and sedentary behavior in older adults. <i>Experimental Gerontology</i> , 2022, 157, 111634.	2.8	6

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55	No Expiration Date on the Association Between Physical Activity and Mortality. <i>Journal of the American Geriatrics Society</i> , 2018, 66, 850-852.	2.6	5
56	Building on Lessons Learned in a Mobile Intervention to Reduce Pain and Improve Health (MORPH): Protocol for the MORPH-II Trial. <i>JMIR Research Protocols</i> , 2021, 10, e29013.	1.0	5
57	Cardiac troponin T and autoimmunity in skeletal muscle aging. <i>GeroScience</i> , 2022, 44, 2025-2045.	4.6	5
58	Association of Symptoms of Obstructive Lung Disease and All-Cause Mortality in Older Adult Smokers. <i>Journal of the American Geriatrics Society</i> , 2019, 67, 2116-2122.	2.6	4
59	Impact of Baseline Fatigue on a Physical Activity Intervention to Prevent Mobility Disability. <i>Journal of the American Geriatrics Society</i> , 2020, 68, 619-624.	2.6	4
60	Metabolic syndrome and the benefit of a physical activity intervention on lower-extremity function: Results from a randomized clinical trial. <i>Experimental Gerontology</i> , 2021, 150, 111343.	2.8	4
61	[P2â€“024]: EXERT: A PHASE 3 MULTIâ€“SITE RANDOMIZED CONTROLLED TRIAL OF AEROBIC EXERCISE IN MCI â€” STUDY DESIGN AND METHODS. <i>Alzheimer's and Dementia</i> , 2017, 13, P613.	0.8	3
62	Six-month changes in ghrelin and glucagon-like peptide-1 with weight loss are unrelated to long-term weight regain in obese older adults. <i>International Journal of Obesity</i> , 2021, 45, 888-894.	3.4	2
63	Incorporating Nutrition, Vests, Education, and Strength Training (INVEST) in Bone Health: Trial Design and Methods. <i>Contemporary Clinical Trials</i> , 2021, 104, 106326.	1.8	2
64	Evaluation of a blood-based geroscience biomarker index in a randomized trial of caloric restriction and exercise in older adults with heart failure with preserved ejection fraction. <i>GeroScience</i> , 2022, , 1.	4.6	2
65	Longitudinal relationship of baseline functional brain networks with intentional weight loss in older adults. <i>Obesity</i> , 2022, 30, 902-910.	3.0	2
66	Estimating heterogeneity of physical function treatment response to caloric restriction among older adults with obesity. <i>PLoS ONE</i> , 2022, 17, e0267779.	2.5	2
67	Response of serum osteocalcin to caloric restriction with and without exercise in post menopausal women. <i>FASEB Journal</i> , 2013, 27, 1067.13.	0.5	1
68	Predictors of Clinically Meaningful Gait Speed Response to Caloric Restriction among Older Adults Participating in Weight Loss Interventions. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, , .	3.6	0
69	Dietary protein affects the composition of weight loss in postâ€“menopausal women. <i>FASEB Journal</i> , 2006, 20, A142.	0.5	0
70	Influence of dietary weightâ€“loss on vitamins D and K in obese postâ€“menopausal women. <i>FASEB Journal</i> , 2010, 24, 533.5.	0.5	0
71	The Effect of Engaging in a Lifestyle Weight Loss Program on Adaptive Thermogenesis in Older Adults. <i>FASEB Journal</i> , 2019, 33, lb560.	0.5	0
72	Muscle Quality Revisited: Biopsy Energetics, MR Spectroscopy, and Muscle Power and Strength. <i>Innovation in Aging</i> , 2021, 5, 125-126.	0.1	0

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73	Response to "The problems hiding in the self-report basis in a weight loss maintenance trial". Obesity, 2022, 30, 798-798.	3.0	0
74	Appendicular Lean Mass Loss Does Not Impact Physical Performance Change During Caloric Restriction in Older Adults. Innovation in Aging, 2021, 5, 79-80.	0.1	0
75	The First Evaluation of a Geroscience Biomarker Index (TAME-BI) in a Trial of Caloric Restriction and Exercise. Innovation in Aging, 2021, 5, 79-79.	0.1	0
76	Delivering a Group-Mediated Weight Loss and Activity Program to Older Adults With Chronic Pain in the MORPH Study. Innovation in Aging, 2021, 5, 280-280.	0.1	0