

Nirupa R Matthan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

106
papers

2,971
citations

35
h-index

53
g-index

110
ext. papers

3,485
ext. citations

4.8
avg, IF

5.11
L-index

#	Paper	IF	Citations
106	Eicosapentaenoic acid prevents and reverses insulin resistance in high-fat diet-induced obese mice via modulation of adipose tissue inflammation. <i>Journal of Nutrition</i> , 2010 , 140, 1915-22	4.1	199
105	Effects of PCSK9 Inhibition With Alirocumab on Lipoprotein Metabolism in Healthy Humans. <i>Circulation</i> , 2017 , 135, 352-362	16.7	141
104	Alterations in cholesterol absorption/synthesis markers characterize Framingham offspring study participants with CHD. <i>Journal of Lipid Research</i> , 2009 , 50, 1927-35	6.3	125
103	Extended-release niacin alters the metabolism of plasma apolipoprotein (Apo) A-I and ApoB-containing lipoproteins. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 1672-8	9.4	125
102	Novel soybean oils with different fatty acid profiles alter cardiovascular disease risk factors in moderately hyperlipidemic subjects. <i>American Journal of Clinical Nutrition</i> , 2006 , 84, 497-504	7	91
101	Dietary hydrogenated fat increases high-density lipoprotein apoA-I catabolism and decreases low-density lipoprotein apoB-100 catabolism in hypercholesterolemic women. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004 , 24, 1092-7	9.4	89
100	Walnut Consumption Alters the Gastrointestinal Microbiota, Microbially Derived Secondary Bile Acids, and Health Markers in Healthy Adults: A Randomized Controlled Trial. <i>Journal of Nutrition</i> , 2018 , 148, 861-867	4.1	85
99	Long-term fatty acid stability in human serum cholesteryl ester, triglyceride, and phospholipid fractions. <i>Journal of Lipid Research</i> , 2010 , 51, 2826-32	6.3	83
98	Comparison of the effects of maximal dose atorvastatin and rosuvastatin therapy on cholesterol synthesis and absorption markers. <i>Journal of Lipid Research</i> , 2009 , 50, 730-9	6.3	79
97	Effects of EPA and DHA Supplementation on Plasma Specialized Pro-resolving Lipid Mediators and Blood Monocyte Inflammatory Response in Subjects with Chronic Inflammation (OR29-01-19). <i>Current Developments in Nutrition</i> , 2019 , 3,	0.4	78
96	Dietary Patterns Differentially Affect Microbiome Composition and Function in a Porcine Model of Obesity-related Metabolic Disorder (OR23-04-19). <i>Current Developments in Nutrition</i> , 2019 , 3,	0.4	78
95	Effect of soy protein from differently processed products on cardiovascular disease risk factors and vascular endothelial function in hypercholesterolemic subjects. <i>American Journal of Clinical Nutrition</i> , 2007 , 85, 960-6	7	74
94	Higher plasma docosahexaenoic acid is associated with reduced progression of coronary atherosclerosis in women with CAD. <i>Journal of Lipid Research</i> , 2006 , 47, 2814-9	6.3	71
93	Estimating the reliability of glycemic index values and potential sources of methodological and biological variability. <i>American Journal of Clinical Nutrition</i> , 2016 , 104, 1004-1013	7	64
92	Effects of different doses of atorvastatin on human apolipoprotein B-100, B-48, and A-I metabolism. <i>Journal of Lipid Research</i> , 2007 , 48, 1746-53	6.3	63
91	Reduction in dietary omega-6 polyunsaturated fatty acids: eicosapentaenoic acid plus docosahexaenoic acid ratio minimizes atherosclerotic lesion formation and inflammatory response in the LDL receptor null mouse. <i>Atherosclerosis</i> , 2009 , 204, 147-55	3.1	61
90	Impact of simvastatin, niacin, and/or antioxidants on cholesterol metabolism in CAD patients with low HDL. <i>Journal of Lipid Research</i> , 2003 , 44, 800-6	6.3	61

89	Chronic and acute effects of walnuts on antioxidant capacity and nutritional status in humans: a randomized, cross-over pilot study. <i>Nutrition Journal</i> , 2010 , 9, 21	4.3	60
88	Plasma phospholipid fatty acid biomarkers of dietary fat quality and endogenous metabolism predict coronary heart disease risk: a nested case-control study within the Women's Health Initiative observational study. <i>Journal of the American Heart Association</i> , 2014 , 3,	6	57
87	Effect of macronutrients and fiber on postprandial glycemic responses and meal glycemic index and glycemic load value determinations. <i>American Journal of Clinical Nutrition</i> , 2017 , 105, 842-853	7	55
86	Use of hamster as a model to study diet-induced atherosclerosis. <i>Nutrition and Metabolism</i> , 2010 , 7, 89	4.6	52
85	Effects of dietary palmitoleic acid on plasma lipoprotein profile and aortic cholesterol accumulation are similar to those of other unsaturated fatty acids in the F1B golden Syrian hamster. <i>Journal of Nutrition</i> , 2009 , 139, 215-21	4.1	51
84	A systematic review and meta-analysis of the impact of omega-3 fatty acids on selected arrhythmia outcomes in animal models. <i>Metabolism: Clinical and Experimental</i> , 2005 , 54, 1557-65	12.7	51
83	Cranberries attenuate animal-based diet-induced changes in microbiota composition and functionality: a randomized crossover controlled feeding trial. <i>Journal of Nutritional Biochemistry</i> , 2018 , 62, 76-86	6.3	51
82	Approaches to measuring cholesterol absorption in humans. <i>Atherosclerosis</i> , 2004 , 174, 197-205	3.1	50
81	Walnut extract inhibits LPS-induced activation of BV-2 microglia via internalization of TLR4: possible involvement of phospholipase D2. <i>Inflammation</i> , 2010 , 33, 325-33	5.1	48
80	Deuterium uptake and plasma cholesterol precursor levels correspond as methods for measurement of endogenous cholesterol synthesis in hypercholesterolemic women. <i>Lipids</i> , 2000 , 35, 1037-44	1.6	46
79	Red blood cell membrane concentration of cis-palmitoleic and cis-vaccenic acids and risk of coronary heart disease. <i>American Journal of Cardiology</i> , 2012 , 110, 539-44	3	43
78	Sex-specific differences in the predictive value of cholesterol homeostasis markers and 10-year cardiovascular disease event rate in Framingham Offspring Study participants. <i>Journal of the American Heart Association</i> , 2013 , 2, e005066	6	41
77	EPA and DHA exposure alters the inflammatory response but not the surface expression of Toll-like receptor 4 in macrophages. <i>Lipids</i> , 2015 , 50, 121-9	1.6	39
76	Effect of diets differing in glycemic index and glycemic load on cardiovascular risk factors: review of randomized controlled-feeding trials. <i>Nutrients</i> , 2013 , 5, 1071-80	6.7	39
75	Cholesterol absorption and synthesis markers in individuals with and without a CHD event during pravastatin therapy: insights from the PROSPER trial. <i>Journal of Lipid Research</i> , 2010 , 51, 202-9	6.3	36
74	In vitro fatty acid enrichment of macrophages alters inflammatory response and net cholesterol accumulation. <i>British Journal of Nutrition</i> , 2009 , 102, 497-501	3.6	36
73	Gender-specific differences in the kinetics of nonfasting TRL, IDL, and LDL apolipoprotein B-100 in men and premenopausal women. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 1838-43	9.4	36
72	A role for long-chain acyl-CoA synthetase-4 (ACSL4) in diet-induced phospholipid remodeling and obesity-associated adipocyte dysfunction. <i>Molecular Metabolism</i> , 2018 , 9, 43-56	8.8	35

71	Familial combined hyperlipidemia is associated with alterations in the cholesterol synthesis pathway. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 113-20	9.4	35
70	Manipulation of Host Diet To Reduce Gastrointestinal Colonization by the Opportunistic Pathogen <i>Candida albicans</i> . <i>MSphere</i> , 2016 , 1,	5	30
69	Hydrogenated fat consumption affects acylation-stimulating protein levels and cholesterol esterification rates in moderately hypercholesterolemic women. <i>Journal of Lipid Research</i> , 2001 , 42, 1841-1848 ²⁸	6.3	28
68	EPA and DHA differentially modulate monocyte inflammatory response in subjects with chronic inflammation in part via plasma specialized pro-resolving lipid mediators: A randomized, double-blind, crossover study. <i>Atherosclerosis</i> , 2021 , 316, 90-98	3.1	28
67	Comparison of diets enriched in stearic, oleic, and palmitic acids on inflammation, immune response, cardiometabolic risk factors, and fecal bile acid concentrations in mildly hypercholesterolemic postmenopausal women-randomized crossover trial. <i>American Journal of Clinical Nutrition</i> , 2019 , 110, 305-315	7	27
66	Effect of prior meal macronutrient composition on postprandial glycemic responses and glycemic index and glycemic load value determinations. <i>American Journal of Clinical Nutrition</i> , 2017 , 106, 1246-1256	7.6	27
65	Validity of estimated dietary eicosapentaenoic acid and docosahexaenoic acid intakes determined by interviewer-administered food frequency questionnaire among older adults with mild-to-moderate cognitive impairment or dementia. <i>American Journal of Epidemiology</i> , 2009 , 170, 95-103	3.8	26
64	TRL, IDL, and LDL apolipoprotein B-100 and HDL apolipoprotein A-I kinetics as a function of age and menopausal status. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005 , 25, 1691-6	9.4	26
63	Altering dietary lysine:arginine ratio has little effect on cardiovascular risk factors and vascular reactivity in moderately hypercholesterolemic adults. <i>Atherosclerosis</i> , 2010 , 210, 555-62	3.1	22
62	Substitution of vegetable oil for a partially-hydrogenated fat favorably alters cardiovascular disease risk factors in moderately hypercholesterolemic postmenopausal women. <i>Atherosclerosis</i> , 2009 , 207, 208-12	3.1	22
61	Hydrogenated fat consumption affects cholesterol synthesis in moderately hypercholesterolemic women. <i>Journal of Lipid Research</i> , 2000 , 41, 834-839	6.3	22
60	Novel circulating fatty acid patterns and risk of cardiovascular disease: the Cardiovascular Health Study. <i>American Journal of Clinical Nutrition</i> , 2012 , 96, 1252-61	7	20
59	Perspective: Design and Conduct of Human Nutrition Randomized Controlled Trials. <i>Advances in Nutrition</i> , 2021 , 12, 4-20	10	18
58	Fat-soluble bioactive components in colored rice varieties. <i>Journal of Medicinal Food</i> , 2014 , 17, 1134-41	2.8	17
57	The Ossabaw Pig Is a Suitable Translational Model to Evaluate Dietary Patterns and Coronary Artery Disease Risk. <i>Journal of Nutrition</i> , 2018 , 148, 542-551	4.1	16
56	Red blood cell MUFAs and risk of coronary artery disease in the Physicians'Health Study. <i>American Journal of Clinical Nutrition</i> , 2013 , 98, 749-54	7	16
55	Impact of dietary fat type within the context of altered cholesterol homeostasis on cholesterol and lipoprotein metabolism in the F1B hamster. <i>Metabolism: Clinical and Experimental</i> , 2010 , 59, 1491-501	12.7	14
54	Lipid content in hepatic and gonadal adipose tissue parallel aortic cholesterol accumulation in mice fed diets with different omega-6 PUFA to EPA plus DHA ratios. <i>Clinical Nutrition</i> , 2014 , 33, 260-6	5.9	12

53	Dietary Supplementation With Medium-Chain Triglycerides Reduces Candida Gastrointestinal Colonization in Preterm Infants. <i>Pediatric Infectious Disease Journal</i> , 2019 , 38, 164-168	3.4	12
52	Plasma Phospholipid Fatty Acids and Coronary Heart Disease Risk: A Matched Case-Control Study within the Women's Health Initiative Observational Study. <i>Nutrients</i> , 2019 , 11,	6.7	11
51	Dietary patterns are associated with disease risk among participants in the Women's Health Initiative Observational Study. <i>Journal of Nutrition</i> , 2012 , 142, 284-91	4.1	11
50	Nutrition and Gastrointestinal Microbiota, Microbial-Derived Secondary Bile Acids, and Cardiovascular Disease. <i>Current Atherosclerosis Reports</i> , 2020 , 22, 47	6	11
49	Dietary modulators of statin efficacy in cardiovascular disease and cognition. <i>Molecular Aspects of Medicine</i> , 2014 , 38, 1-53	16.7	9
48	Changes in cholesterol homeostasis modify the response of F1B hamsters to dietary very long chain n-3 and n-6 polyunsaturated fatty acids. <i>Lipids in Health and Disease</i> , 2011 , 10, 186	4.4	9
47	Higher Lipophilic Index Indicates Higher Risk of Coronary Heart Disease in Postmenopausal Women. <i>Lipids</i> , 2017 , 52, 687-702	1.6	7
46	Acculturation and Diet Among Chinese American Immigrants in New York City. <i>Current Developments in Nutrition</i> , 2020 , 4, nzz124	0.4	6
45	Aortic cholesterol accumulation correlates with systemic inflammation but not hepatic and gonadal adipose tissue inflammation in low-density lipoprotein receptor null mice. <i>Nutrition Research</i> , 2013 , 33, 1072-82	4	6
44	Docosahexaenoic acid suppresses apolipoprotein A-I gene expression through hepatocyte nuclear factor-3. <i>American Journal of Clinical Nutrition</i> , 2011 , 94, 594-600	7	6
43	Enhanced aortic macrophage lipid accumulation and inflammatory response in LDL receptor null mice fed an atherogenic diet. <i>Lipids</i> , 2010 , 45, 701-11	1.6	6
42	A Western-type dietary pattern and atorvastatin induce epicardial adipose tissue interferon signaling in the Ossabaw pig. <i>Journal of Nutritional Biochemistry</i> , 2019 , 67, 212-218	6.3	6
41	Associations of Serum Nonesterified Fatty Acids With Coronary Heart Disease Mortality and Nonfatal Myocardial Infarction: The CHS (Cardiovascular Health Study) Cohort. <i>Journal of the American Heart Association</i> , 2021 , 10, e019135	6	6
40	Embedding weight management into safety-net pediatric primary care: randomized controlled trial. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2018 , 15, 12	8.4	5
39	Effect of Dietary Carbohydrate Type on Serum Cardiometabolic Risk Indicators and Adipose Tissue Inflammatory Markers. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018 , 103, 3430-3438	5.6	5
38	Linoleic acid suppresses cholesterol efflux and ATP-binding cassette transporters in murine bone marrow-derived macrophages. <i>Lipids</i> , 2014 , 49, 415-22	1.6	4
37	Background diet and fat type alters plasma lipoprotein response but not aortic cholesterol accumulation in F1B Golden Syrian hamsters. <i>Lipids</i> , 2013 , 48, 1177-84	1.6	4
36	The Subcellular Distribution of Alpha-Tocopherol in the Adult Primate Brain and Its Relationship with Membrane Arachidonic Acid and Its Oxidation Products. <i>Antioxidants</i> , 2017 , 6,	7.1	4

35	Exploring the effect of vitamin D3 supplementation on surrogate biomarkers of cholesterol absorption and endogenous synthesis in patients with type 2 diabetes-randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2020 , 112, 538-547	7	3
34	Supplementation with Seabuckthorn Oil Augmented in 16:1n-7t Increases Serum Trans-Palmitoleic Acid in Metabolically Healthy Adults: A Randomized Crossover Dose-Escalation Study. <i>Journal of Nutrition</i> , 2020 , 150, 1388-1396	4.1	3
33	Postprandial lipid responses to standard carbohydrates used to determine glycaemic index values. <i>British Journal of Nutrition</i> , 2013 , 110, 1782-8	3.6	3
32	Carotenoid-Rich Brain Nutrient Pattern Is Positively Correlated With Higher Cognition and Lower Depression in the Oldest Old With No Dementia. <i>Frontiers in Nutrition</i> , 2021 , 8, 704691	6.2	3
31	Serum Individual Nonesterified Fatty Acids and Risk of Heart Failure in Older Adults. <i>Cardiology</i> , 2021 , 146, 351-358	1.6	3
30	Dietary patterns influence epicardial adipose tissue fatty acid composition and inflammatory gene expression in the Ossabaw pig. <i>Journal of Nutritional Biochemistry</i> , 2019 , 70, 138-146	6.3	2
29	Comparison of the Postprandial Metabolic Fate of U-C Stearic Acid and U-C Oleic Acid in Postmenopausal Women. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 2953-2964	9.4	2
28	Effect of a Family-Based Intervention on Nutrient Biomarkers, Desaturase Enzyme Activities, and Cardiometabolic Risk Factors in Children with Overweight and Obesity. <i>Current Developments in Nutrition</i> , 2020 , 4, nzz138	0.4	2
27	Reply to TMS Wolever. <i>American Journal of Clinical Nutrition</i> , 2017 , 106, 705-706	7	2
26	Tamm-Horsfall protein 1 macrophage lipid accumulation unaffected by fatty acid double-bond geometric or positional configuration. <i>Nutrition Research</i> , 2011 , 31, 625-30	4	2
25	Oncogenic Integration of Nucleotide Metabolism Fatty Acid Synthase in Non-Hodgkin Lymphoma. <i>Frontiers in Oncology</i> , 2021 , 11, 725137	5.3	2
24	Exploring changes in the human gut microbiota and microbial-derived metabolites in response to diets enriched in simple, refined, or unrefined carbohydrate-containing foods: a post hoc analysis of a randomized clinical trial. <i>American Journal of Clinical Nutrition</i> , 2020 , 112, 1631-1641	7	2
23	Western and heart healthy dietary patterns differentially affect the expression of genes associated with lipid metabolism, interferon signaling and inflammation in the jejunum of Ossabaw pigs. <i>Journal of Nutritional Biochemistry</i> , 2021 , 90, 108577	6.3	2
22	Fatty acids and osteoarthritis: the MOST study. <i>Osteoarthritis and Cartilage</i> , 2021 , 29, 973-978	6.2	2
21	Individual non-esterified fatty acids and incident atrial fibrillation late in life. <i>Heart</i> , 2021 , 107, 1805-1813	3.1	2
20	Reply to TMS Wolever et al. <i>American Journal of Clinical Nutrition</i> , 2017 , 105, 769-770	7	1
19	A Western-Type Dietary Pattern Induces an Atherogenic Gene Expression Profile in the Coronary Arteries of the Ossabaw Pig. <i>Current Developments in Nutrition</i> , 2019 , 3, nzz023	0.4	1
18	Simplified method for the measurement of plasma alkylresorcinols: Biomarkers of whole-grain intake. <i>Rapid Communications in Mass Spectrometry</i> , 2020 , 34, e8805	2.2	1

17	Reply to Brighenti F et al. <i>American Journal of Clinical Nutrition</i> , 2018 , 107, 846-847	7	1
16	Erythrocyte stearidonic acid and other n-3 fatty acids and CHD in the Physicians' Health Study. <i>British Journal of Nutrition</i> , 2013 , 109, 2044-9	3.6	1
15	The Relationship of Lutein and DHA in Cognitive Function. <i>FASEB Journal</i> , 2013 , 27, 638.18	0.9	1
14	Serum Nonesterified Fatty Acids and Incident Stroke: The CHS. <i>Journal of the American Heart Association</i> , 2021 , 10, e022725	6	0
13	The design and rationale of a multi-center randomized clinical trial comparing one avocado per day to usual diet: The Habitual Diet and Avocado Trial (HAT). <i>Contemporary Clinical Trials</i> , 2021 , 110, 106565 ^{2,3}		0
12	Reply to D Tricã and A Natali. <i>American Journal of Clinical Nutrition</i> , 2017 , 106, 702	7	
11	Differential effects of individual trans fatty acid isomers on lipoprotein assembly and metabolism. <i>Nutrition Reviews</i> , 1999 , 57, 282-4	6.4	
10	The effect of soybean-based foods on plasma lipid and lipoprotein concentrations. <i>American Journal of Clinical Nutrition</i> , 2007 , 86, 1253; author reply 1253-4	7	
9	Lutein and DHA Co-localize in Cell Membranes of Brain Regions Controlling Cognition in the Rhesus Macaque. <i>FASEB Journal</i> , 2016 , 30, 689.2	0.9	
8	Low Plasma Carotene Concentrations Are Associated with an Increased Risk of Acute Coronary Syndrome in a Korean Population. <i>FASEB Journal</i> , 2017 , 31, 635.3	0.9	
7	The Ossabaw Pig as a Model for Diet Induced Atherosclerosis and Statin Responsiveness. <i>FASEB Journal</i> , 2017 , 31, 140.4	0.9	
6	Variation of dietary lysine:arginine ratio does not affect cholesterol biosynthesis in hypercholesterolemic individuals. <i>FASEB Journal</i> , 2009 , 23, 722.12	0.9	
5	Lower dietary n-6 polyunsaturated fatty acids: eicosapentaenoic acid plus docosahexaenoic acid ratio decreases the expression of inflammatory factors in livers and visceral adipose tissue in LDL receptor null mice. <i>FASEB Journal</i> , 2012 , 26, 1026.17	0.9	
4	Differential effect of docosahexaenoic acid (DHA) versus myristic acid (MA) on inflammatory cytokines. <i>FASEB Journal</i> , 2013 , 27, 127.5	0.9	
3	Linoleic acid suppresses cholesterol efflux and ATP-binding cassette transporters in murine bone marrow-derived macrophages. <i>FASEB Journal</i> , 2013 , 27, 361.7	0.9	
2	Colon transcriptome is modified by a dietary pattern/atorvastatin interaction in the Ossabaw pig. <i>Journal of Nutritional Biochemistry</i> , 2021 , 90, 108570	6.3	
1	Spillover Effects of a Family-Based Childhood Weight-Management Intervention on Parental Nutrient Biomarkers and Cardiometabolic Risk Factors.. <i>Current Developments in Nutrition</i> , 2022 , 6, nzaab152	0.4	152