Kirsten B Holven

List of Publications by Citations

106 papers	1,422 citations	22 h-index	32 g-index
114 ext. papers	1,890 ext. citations	4 avg, IF	4.78 L-index

#	Paper	IF	Citations
106	Markers of atherosclerotic development in children with familial hypercholesterolemia: a literature review. *Atherosclerosis*, **2014**, 235, 299-309	3.1	72
105	Comparison of bioavailability of krill oil versus fish oil and health effect. *Vascular Health and Risk Management*, **2015**, 11, 511-24	4.4	62
104	Effects of Exercise on Gene Expression of Inflammatory Markers in Human Peripheral Blood Cells: A Systematic Review. *Current Cardiovascular Risk Reports*, **2015**, 9, 34	0.9	59
103	Patients with familial hypercholesterolaemia are characterized by presence of cardiovascular disease at the time of death. *European Heart Journal*, **2016**, 37, 1398-405	9.5	48
102	Lipoprotein(a) levels in coronary heart disease-susceptible and -resistant patients with familial hypercholesterolemia. *Atherosclerosis*, **2011**, 216, 426-32	3.1	44
101	Impact of a Healthy Dietary Pattern on Gut Microbiota and Systemic Inflammation in Humans. *Nutrients*, **2018**, 10,	6.7	44
100	Children with familial hypercholesterolemia are characterized by an inflammatory imbalance between the tumor necrosis factor system and interleukin-10. *Atherosclerosis*, **2011**, 214, 163-8	3.1	38
99	Cardiovascular disease mortality in patients with genetically verified familial hypercholesterolemia in Norway during 1992-2013. *European Journal of Preventive Cardiology*, **2017**, 24, 137-144	3.9	37
98	Effect of low carbohydrate high fat diet on LDL cholesterol and gene expression in normal-weight, young adults: A randomized controlled study. *Atherosclerosis*, **2018**, 279, 52-61	3.1	37
97	Increased expression of NAMPT in PBMC from patients with acute coronary syndrome and in inflammatory M1 macrophages. *Atherosclerosis*, **2015**, 243, 204-10	3.1	35
96	Reduced plasma concentration of branched-chain amino acids in sarcopenic older subjects: a cross-sectional study. *British Journal of Nutrition*, **2018**, 120, 445-453	3.6	34
95	Subjects with familial hypercholesterolemia are characterized by an inflammatory phenotype despite long-term intensive cholesterol lowering treatment. *Atherosclerosis*, **2014**, 233, 561-567	3.1	34
94	LIGHT/TNFSF14 is increased in patients with type 2 diabetes mellitus and promotes islet cell dysfunction and endothelial cell inflammation in vitro. *Diabetologia*, **2016**, 59, 2134-44	10.3	30
93	Exchanging a few commercial, regularly consumed food items with improved fat quality reduces total cholesterol and LDL-cholesterol: a double-blind, randomised controlled trial. *British Journal of Nutrition*, **2016**, 116, 1383-1393	3.6	30
92	Chemokines in children with heterozygous familiar hypercholesterolemia: selective upregulation of RANTES. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2006**, 26, 200-5	9.4	27
91	Alterations in inflammatory biomarkers and energy intake in cancer cachexia: a prospective study in patients with inoperable pancreatic cancer. *Medical Oncology*, **2016**, 33, 54	3.7	27
90	Triglyceride-rich HDL3 from patients with familial hypercholesterolemia are less able to inhibit cytokine release or to promote cholesterol efflux. *Journal of Nutrition*, **2006**, 136, 877-81	4.1	26

89	LDL-cholesterol goal achievement, cardiovascular disease, and attributed risk of Lp(a) in a large cohort of predominantly genetically verified familial hypercholesterolemia. *Journal of Clinical Lipidology*, **2019**, 13, 279-286	4.9	25
88	Milk and Dairy Product Consumption and Inflammatory Biomarkers: An Updated Systematic Review of Randomized Clinical Trials. *Advances in Nutrition*, **2019**, 10, S239-S250	10	23
87	Maternal inheritance does not predict cholesterol levels in children with familial hypercholesterolemia. *Atherosclerosis*, **2015**, 243, 155-60	3.1	22
86	Effects of fish and krill oil on gene expression in peripheral blood mononuclear cells and circulating markers of inflammation: a randomised controlled trial. *Journal of Nutritional Science*, **2018**, 7, e10	2.7	22
85	LDL cholesterol in early pregnancy and offspring cardiovascular disease risk factors. *Journal of Clinical Lipidology*, **2016**, 10, 1369-1378.e7	4.9	22
84	Meals with Similar Fat Content from Different Dairy Products Induce Different Postprandial Triglyceride Responses in Healthy Adults: A Randomized Controlled Cross-Over Trial. *Journal of Nutrition*, **2019**, 149, 422-431	4.1	22
83	Subjects with low plasma HDL cholesterol levels are characterized by an inflammatory and oxidative phenotype. *PLoS ONE*, **2013**, 8, e78241	3.7	21
82	Cardiovascular disease in patients with genotyped familial hypercholesterolemia in Norway during 1994-2009, a registry study. *European Journal of Preventive Cardiology*, **2016**, 23, 1962-1969	3.9	21
81	The antiatherogenic function of HDL is impaired in hyperhomocysteinemic subjects. *Journal of Nutrition*, **2008**, 138, 2070-5	4.1	20
80	High-quality fish oil has a more favourable effect than oxidised fish oil on intermediate-density lipoprotein and LDL subclasses: a randomised controlled trial. *British Journal of Nutrition*, **2017**, 117, 1291-1298	3.6	19
79	Does dietary fat affect inflammatory markers in overweight and obese individuals?-a review of randomized controlled trials from 2010 to 2016. *Genes and Nutrition*, **2017**, 12, 26	4.3	19
78	Treatment goal attainment in children with familial hypercholesterolemia: A cohort study of 302 children in Norway. *Journal of Clinical Lipidology*, **2018**, 12, 375-382	4.9	19
77	Dietary counseling is associated with an improved lipid profile in children with familial hypercholesterolemia. *Atherosclerosis*, **2016**, 252, 21-27	3.1	18
76	Association of Low-Density Lipoprotein Cholesterol With Risk of Aortic Valve Stenosis in Familial Hypercholesterolemia. *JAMA Cardiology*, **2019**, 4, 1156-1159	16.2	18
75	Comprehensive lipid and metabolite profiling of children with and without familial hypercholesterolemia: A cross-sectional study. *Atherosclerosis*, **2017**, 266, 48-57	3.1	17
74	Using metabolic profiling and gene expression analyses to explore molecular effects of replacing saturated fat with polyunsaturated fat-a randomized controlled dietary intervention study. *American Journal of Clinical Nutrition*, **2019**, 109, 1239-1250	7	17
73	Severe hypertriglyceridemia in Norway: prevalence, clinical and genetic characteristics. *Lipids in Health and Disease*, **2017**, 16, 115	4.4	17
72	Comparison of the characteristics at diagnosis and treatment of children with heterozygous familial hypercholesterolaemia (FH) from eight European countries. *Atherosclerosis*, **2020**, 292, 178-187	3.1	17

71	Effects of a healthy Nordic diet on gene expression changes in peripheral blood mononuclear cells in response to an oral glucose tolerance test in subjects with metabolic syndrome: a SYSDIET sub-study. *Genes and Nutrition*, **2016**, 11, 3	4.3	16
70	The hCOMET project: International database comparison of results with the comet assay in human biomonitoring. Baseline frequency of DNA damage and effect of main confounders. *Mutation Research - Reviews in Mutation Research*, **2021**, 787, 108371	7	16
69	Altered leukocyte distribution under hypercholesterolemia: A cross-sectional study in children with familial hypercholesterolemia. *Atherosclerosis*, **2017**, 256, 67-74	3.1	15
68	Cholesterol efflux mediators in homozygous familial hypercholesterolemia patients on low-density lipoprotein apheresis. *Journal of Clinical Lipidology*, **2013**, 7, 109-16	4.9	15
67	Secretion of N-(4-hydroxyphenyl) retinamide-retinol-binding protein from liver parenchymal cells: evidence for reduced affinity of the complex for transthyretin. *International Journal of Cancer*, **1997** , 71, 654-9	7.5	15
66	Effects of krill oil and lean and fatty fish on cardiovascular risk markers: a randomised controlled trial. *Journal of Nutritional Science*, **2018**, 7, e3	2.7	14
65	Fructose content of low calorie diets: effect on cardiometabolic risk factors in obese women with polycystic ovarian syndrome: a randomized controlled trial. *Endocrine Connections*, **2015**, 4, 144-54	3.5	14
64	Impaired HDL Function Amplifies Systemic Inflammation in Common Variable Immunodeficiency. *Scientific Reports*, **2019**, 9, 9427	4.9	13
63	Bioavailability of -3 fatty acids from -3-enriched foods and fish oil with different oxidative quality in healthy human subjects: a randomised single-meal cross-over study. *Journal of Nutritional Science*, **2016**, 5, e43	2.7	13
62	Marine n-3 Fatty Acids and Gene Expression in Peripheral Blood Mononuclear Cells. *Current Cardiovascular Risk Reports*, **2014**, 8, 412	0.9	12
61	Increased risk of heart failure and atrial fibrillation in heterozygous familial hypercholesterolemia. *Atherosclerosis*, **2017**, 266, 69-73	3.1	11
60	Effect of hormone replacement therapy on atherogenic lipid profile in postmenopausal women. *Thrombosis Research*, **2019**, 184, 1-7	8.2	10
59	Sex differences in cholesterol levels from birth to 19 years of age may lead to increased cholesterol burden in females with FH. *Journal of Clinical Lipidology*, **2018**, 12, 748-755.e2	4.9	9
58	The PBMC transcriptome profile after intake of oxidized versus high-quality fish oil: an explorative study in healthy subjects. *Genes and Nutrition*, **2016**, 11, 16	4.3	9
57	Children and young adults with familial hypercholesterolaemia (FH) have healthier food choices particularly with respect to dietary fat sources compared with non-FH children. *Journal of Nutritional Science*, **2013**, 2, e32	2.7	9
56	An Isocaloric Nordic Diet Modulates and Gene Expression in Peripheral Blood Mononuclear Cells in Individuals with Metabolic Syndrome-A SYSDIET Sub-Study. *Nutrients*, **2019**, 11,	6.7	9
55	Healthy Nordic Diet Modulates the Expression of Genes Related to Mitochondrial Function and Immune Response in Peripheral Blood Mononuclear Cells from Subjects with Metabolic Syndrome-A SYSDIET Sub-Study. *Molecular Nutrition and Food Research*, **2019**, 63, e1801405	5.9	8
54	A comprehensive metabolic profiling of the metabolically healthy obesity phenotype. *Lipids in Health and Disease*, **2020**, 19, 90	4.4	8

53	Serum lipoprotein(a) is not modified by interleukin-6 receptor antagonism or associated with inflammation in non-ST-elevation myocardial infarction. *International Journal of Cardiology*, **2019**, 274, 348-350	3.2	8
52	Differences in peripheral blood mononuclear cell gene expression and triglyceride composition in lipoprotein subclasses in plasma triglyceride responders and non-responders to omega-3 supplementation. *Genes and Nutrition*, **2019**, 14, 10	4.3	8
51	Interleukin-10 increases reverse cholesterol transport in macrophages through its bidirectional interaction with liver X receptor □*Biochemical and Biophysical Research Communications*, **2014**, 450, 1525-30	3.4	8
50	Fatty acid profile and estimated desaturase activities in whole blood are associated with metabolic health. *Lipids in Health and Disease*, **2020**, 19, 102	4.4	8
49	Plasma fatty acid levels and gene expression related to lipid metabolism in peripheral blood mononuclear cells: a cross-sectional study in healthy subjects. *Genes and Nutrition*, **2018**, 13, 9	4.3	7
48	Substitution of TAG oil with diacylglycerol oil in food items improves the predicted 10 years cardiovascular risk score in healthy, overweight subjects. *Journal of Nutritional Science*, **2012**, 1, e17	2.7	7
47	Delayed postprandial TAG peak after intake of SFA compared with PUFA in subjects with and without familial hypercholesterolaemia: a randomised controlled trial. *British Journal of Nutrition*, **2018**, 119, 1142-1150	3.6	7
46	Postprandial changes in gene expression of cholesterol influx and efflux mediators after intake of SFA compared with -6 PUFA in subjects with and without familial hypercholesterolaemia: secondary outcomes of a randomised controlled trial. *Journal of Nutritional Science*, **2019**, 8, e27	2.7	6
45	Risk of Ischemic Stroke and Total Cerebrovascular Disease in Familial Hypercholesterolemia. *Stroke*, **2018**, STROKEAHA118023456	6.7	6
44	Lipid alterations in adolescents with early-onset psychosis may be independent of antipsychotic medication. *Schizophrenia Research*, **2020**, 216, 295-301	3.6	5
43	Comparison of the mutation spectrum and association with pre and post treatment lipid measures of children with heterozygous familial hypercholesterolaemia (FH) from eight European countries. *Atherosclerosis*, **2021**, 319, 108-117	3.1	5
42	Consumption of protein-enriched milk has minor effects on inflammation in older adults-A 12-week double-blind randomized controlled trial. *Mechanisms of Ageing and Development*, **2017**, 162, 1-8	5.6	4
41	Gene expression is differentially regulated in skeletal muscle and circulating immune cells in response to an acute bout of high-load strength exercise. *Genes and Nutrition*, **2017**, 12, 8	4.3	4
40	Intake of Fermented Dairy Products Induces a Less Pro-Inflammatory Postprandial Peripheral Blood Mononuclear Cell Gene Expression Response than Non-Fermented Dairy Products: A Randomized Controlled Cross-Over Trial. *Molecular Nutrition and Food Research*, **2020**, 64, e2000319	5.9	4
39	Associations between dietary patterns and gene expression pattern in peripheral blood mononuclear cells: A cross-sectional study. *Nutrition, Metabolism and Cardiovascular Diseases*, **2020**, 30, 2111-2122	4.5	4
38	DNA glycosylase Neil3 regulates vascular smooth muscle cell biology during atherosclerosis development. *Atherosclerosis*, **2021**, 324, 123-132	3.1	4
37	Lower risk of smoking-related cancer in individuals with familial hypercholesterolemia compared with controls: a prospective matched cohort study. *Scientific Reports*, **2019**, 9, 19273	4.9	4
36	A nine year follow-up study of patients with lymphoedema cholestasis syndrome 1 (LCS1/Aagenaes syndrome). *Scandinavian Journal of Clinical and Laboratory Investigation*, **2018**, 78, 566-574	2	4

35	Sex differences in postprandial responses to different dairy products on lipoprotein subclasses: a randomised controlled cross-over trial. *British Journal of Nutrition*, **2019**, 122, 780-789	3.6	3
34	Dairy products influence gut hormone secretion and appetite differently: A randomized controlled crossover trial. *Journal of Dairy Science*, **2020**, 103, 1100-1109	4	3
33	Reduced levels of circulating adhesion molecules in adolescents with early-onset psychosis. *NPJ Schizophrenia*, **2020**, 6, 20	5.5	3
32	Novel associations between parental and newborn cord blood metabolic profiles in the Norwegian Mother, Father and Child Cohort Study. *BMC Medicine*, **2021**, 19, 91	11.4	3
31	Lack of Effects of a Single High-Fat Meal Enriched with Vegetable n-3 or a Combination of Vegetable and Marine n-3 Fatty Acids on Intestinal Peptide Release and Adipokines in Healthy Female Subjects. *Frontiers in Nutrition*, **2016**, 3, 38	6.2	3
30	Subjects with familial hypercholesterolemia have lower aortic valve area and higher levels of inflammatory biomarkers. *Journal of Clinical Lipidology*, **2021**, 15, 134-141	4.9	3
29	Beneficial effect on serum cholesterol levels, but not glycaemic regulation, after replacing SFA with PUFA for 3 d: a randomised crossover trial. *British Journal of Nutrition*, **2021**, 125, 915-925	3.6	3
28	2.5-fold increased risk of recurrent acute myocardial infarction with familial hypercholesterolemia. *Atherosclerosis*, **2021**, 319, 28-34	3.1	3
27	Some children with a familial hypercholesterolemia mutation may exhibit persistent low LDL levels. *Journal of Clinical Lipidology*, **2018**, 12, 1327-1328	4.9	3
26	Prevalence of genetically verified familial hypercholesterolemia among young (. *Journal of Clinical Lipidology*, **2020**, 14, 339-345	4.9	2
25	Children with familial hypercholesterolemia display changes in LDL and HDL function: a cross-sectional study		2
24	Metabolomic and gene expression analysis to study the effects of dietary saturated and polyunsaturated fats. *Current Opinion in Lipidology*, **2020**, 31, 15-19	4.4	2
23	Editorial Comment: Hyperlipidaemia and cardiovascular disease and impact of early cholesterol accumulation. *Current Opinion in Lipidology*, **2019**, 30, 490-493	4.4	2
22	Genetic testing is essential for initiating statin therapy in children with familial hypercholesterolemia: Examples from Scandinavia. *Atherosclerosis*, **2021**, 316, 48-52	3.1	2
21	Gender differences in nutrition literacy levels among university students and employees: a descriptive study. *Journal of Nutritional Science*, **2021**, 10, e56	2.7	2
20	Serum Omega-6 Fatty Acids and Immunology-Related Gene Expression in Peripheral Blood Mononuclear Cells: A Cross-Sectional Analysis in Healthy Children. *Molecular Nutrition and Food Research*, **2019**, 63, e1800990	5.9	1
19	Lipoprotein(a) concentration is associated with plasma arachidonic acid in subjects with familial hypercholesterolaemia. *British Journal of Nutrition*, **2019**, 122, 790-799	3.6	1
18	Effects of changing from a diet with saturated fat to a diet with n-6 polyunsaturated fat on the serum metabolome in relation to cardiovascular disease risk factors.. *European Journal of Nutrition*, **2022**, 1	5.2	1

List of Publications

17	Replacing Saturated Fat with Polyunsaturated Fat Modulates Peripheral Blood Mononuclear Cell Gene Expression and Pathways Related to Cardiovascular Disease Risk Using a Whole Transcriptome Approach. *Molecular Nutrition and Food Research*, **2021**, e2100633	5.9	1
16	Long term follow-up of children with familial hypercholesterolemia and relatively normal LDL-cholesterol at diagnosis. *Journal of Clinical Lipidology*, **2021**, 15, 375-378	4.9	1
15	Cardiovascular Risk Factors are Inversely Associated With Omega-3 Polyunsaturated Fatty Acid Plasma Levels in Pediatric Kidney Transplant Recipients. *Journal of Renal Nutrition*, **2021**, 31, 278-285	3	1
14	Cholesterol at ages 6, 12 and 24 months: Tracking and associations with diet and maternal cholesterol in the Infant Cholesterol Study. *Atherosclerosis*, **2021**, 326, 11-16	3.1	1
13	Increased protein intake affects pro-opiomelanocortin (POMC) processing, immune function and IGF signaling in peripheral blood mononuclear cells of home-dwelling old subjects using a genome-wide gene expression approach. *Genes and Nutrition*, **2019**, 14, 32	4.3	1
12	Children with familial hypercholesterolemia display changes in LDL and HDL function: A cross-sectional study. *Journal of Internal Medicine*, **2021**, 290, 1083-1097	10.8	1
11	Loss of statin treatment years during pregnancy and breastfeeding periods in women with familial hypercholesterolemia. *Atherosclerosis*, **2021**, 335, 8-15	3.1	1
10	Salmon fish protein supplement increases serum vitamin B12 and selenium concentrations: secondary analysis of a randomised controlled trial.. *European Journal of Nutrition*, **2022**, 1	5.2	1
9	LongITools: Dynamic longitudinal exposome trajectories in cardiovascular and metabolic noncommunicable diseases.. *Environmental Epidemiology*, **2022**, 6, e184	0.2	1
8	Data on circulating leukocyte subpopulations and inflammatory proteins in children with familial hypercholesterolemia and healthy children. *Data in Brief*, **2017**, 10, 587-592	1.2	0
7	Gastric bypass surgery is associated with reduced subclinical myocardial injury and greater activation of the cardiac natriuretic peptide system than lifestyle intervention. *Clinical Biochemistry*, **2020**, 86, 36-44	3.5	0
6	Thirty percent of children and young adults with familial hypercholesterolemia treated with statins have adherence issues. *American Journal of Preventive Cardiology*, **2021**, 6, 100180	1.9	0
5	Infant cholesterol and glycated haemoglobin concentrations vary widely-Associations with breastfeeding, infant diet and maternal biomarkers. *Acta Paediatrica, International Journal of Paediatrics*, **2020**, 109, 115-121	3.1	0
4	Association of Familial Hypercholesterolemia and Statin Use With Risk of Dementia in Norway.. *JAMA Network Open*, **2022**, 5, e227715	10.4	0
3	A Three-Day Intervention With Granola Containing Cereal Beta-Glucan Improves Glycemic Response and Changes the Gut Microbiota in Healthy Individuals: A Crossover Study.. *Frontiers in Nutrition*, **2022**, 9, 796362	6.2	0
2	Effects of dietary and exercise treatments on HDL subclasses in lactating women with overweight and obesity: a secondary analysis of an RCT.. *British Journal of Nutrition*, **2022**, 1-31	3.6	
1	The homeoviscous adaptation to dietary lipids (HADL) hypothesis is probably incorrect. *American Journal of Clinical Nutrition*, **2021**, 113, 1711-1712	7	