

# Alan Chait

## 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.

76  
papers

6,944  
citations

40  
h-index

77  
g-index

77  
ext. papers

7,770  
ext. citations

7.5  
avg, IF

5.87  
L-index

#	Paper	IF	Citations
76	Shotgun proteomics implicates protease inhibition and complement activation in the antiinflammatory properties of HDL. <i>Journal of Clinical Investigation</i> , <b>2007</b> , 117, 746-56	15.9	713
75	Cardiovascular disease risk in type 2 diabetes mellitus: insights from mechanistic studies. <i>Lancet, The</i> , <b>2008</b> , 371, 1800-9	40	395
74	Neovascular expression of E-selectin, intercellular adhesion molecule-1, and vascular cell adhesion molecule-1 in human atherosclerosis and their relation to intimal leukocyte content. <i>Circulation</i> , <b>1996</b> , 93, 672-82	16.7	374
73	The myeloperoxidase product hypochlorous acid oxidizes HDL in the human artery wall and impairs ABCA1-dependent cholesterol transport. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 13032-7	11.5	360
72	Comparison of apolipoprotein and proteoglycan deposits in human coronary atherosclerotic plaques: colocalization of biglycan with apolipoproteins. <i>Circulation</i> , <b>1998</b> , 98, 519-27	16.7	247
71	Very low density lipoprotein overproduction in genetic forms of hypertriglyceridaemia. <i>European Journal of Clinical Investigation</i> , <b>1980</b> , 10, 17-22	4.6	231
70	Adipose Tissue Distribution, Inflammation and Its Metabolic Consequences, Including Diabetes and Cardiovascular Disease. <i>Frontiers in Cardiovascular Medicine</i> , <b>2020</b> , 7, 22	5.4	228
69	Human atherosclerotic intima and blood of patients with established coronary artery disease contain high density lipoprotein damaged by reactive nitrogen species. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 42977-83	5.4	223
68	Reduced plasma peroxy radical trapping capacity and increased susceptibility of LDL to oxidation in poorly controlled IDDM. <i>Diabetes</i> , <b>1994</b> , 43, 1010-4	0.9	217
67	Differential effect of saturated and unsaturated free fatty acids on the generation of monocyte adhesion and chemotactic factors by adipocytes: dissociation of adipocyte hypertrophy from inflammation. <i>Diabetes</i> , <b>2010</b> , 59, 386-96	0.9	190
66	Thematic review series: The immune system and atherogenesis. Lipoprotein-associated inflammatory proteins: markers or mediators of cardiovascular disease?. <i>Journal of Lipid Research</i> , <b>2005</b> , 46, 389-403	6.3	172
65	Dietary cholesterol exacerbates hepatic steatosis and inflammation in obese LDL receptor-deficient mice. <i>Journal of Lipid Research</i> , <b>2011</b> , 52, 1626-35	6.3	160
64	Dietary isoflavones reduce plasma cholesterol and atherosclerosis in C57BL/6 mice but not LDL receptor-deficient mice. <i>Journal of Nutrition</i> , <b>1998</b> , 128, 954-9	4.1	159
63	Impaired superoxide production due to a deficiency in phagocyte NADPH oxidase fails to inhibit atherosclerosis in mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2000</b> , 20, 1529-35	9.4	156
62	Diabetes and diabetes-associated lipid abnormalities have distinct effects on initiation and progression of atherosclerotic lesions. <i>Journal of Clinical Investigation</i> , <b>2004</b> , 114, 659-668	15.9	149
61	Very low density lipoprotein overproduction in genetic forms of hypertriglyceridaemia. <i>European Journal of Clinical Investigation</i> , <b>1980</b> , 10, 17-22	4.6	145
60	Regulatory role of triiodothyronine in the degradation of low density lipoprotein by cultured human skin fibroblasts. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1979</b> , 48, 887-9	5.6	141

59	Increase in serum amyloid A evoked by dietary cholesterol is associated with increased atherosclerosis in mice. <i>Circulation</i> , <b>2004</b> , 110, 540-5	16.7	140
58	Adipocyte-derived serum amyloid A3 and hyaluronan play a role in monocyte recruitment and adhesion. <i>Diabetes</i> , <b>2007</b> , 56, 2260-73	0.9	134
57	Dietary cholesterol worsens adipose tissue macrophage accumulation and atherosclerosis in obese LDL receptor-deficient mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2008</b> , 28, 685-91	9.4	133
56	Diabetes and atherosclerosis: is there a role for hyperglycemia?. <i>Journal of Lipid Research</i> , <b>2009</b> , 50 Suppl, S335-9	6.3	132
55	NADPH oxidase-derived reactive oxygen species increases expression of monocyte chemotactic factor genes in cultured adipocytes. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 10379-10393	5.4	130
54	Proteoglycans synthesized by arterial smooth muscle cells in the presence of transforming growth factor-beta1 exhibit increased binding to LDLs. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2002</b> , 22, 55-60	9.4	127
53	Reciprocal and coordinate regulation of serum amyloid A versus apolipoprotein A-I and paraoxonase-1 by inflammation in murine hepatocytes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2006</b> , 26, 1806-13	9.4	109
52	Dietary antioxidants inhibit development of fatty streak lesions in the LDL receptor-deficient mouse. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>1998</b> , 18, 1506-13	9.4	102
51	Safety and tolerability of simvastatin plus niacin in patients with coronary artery disease and low high-density lipoprotein cholesterol (The HDL Atherosclerosis Treatment Study). <i>American Journal of Cardiology</i> , <b>2004</b> , 93, 307-12	3	98
50	Serum amyloid A and lipoprotein retention in murine models of atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2005</b> , 25, 785-90	9.4	96
49	Diabetes and diabetes-associated lipid abnormalities have distinct effects on initiation and progression of atherosclerotic lesions. <i>Journal of Clinical Investigation</i> , <b>2004</b> , 114, 659-68	15.9	94
48	Serum amyloid A impairs the antiinflammatory properties of HDL. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 266-81	15.9	88
47	Apolipoprotein AI and high-density lipoprotein have anti-inflammatory effects on adipocytes via cholesterol transporters: ATP-binding cassette A-1, ATP-binding cassette G-1, and scavenger receptor B-1. <i>Circulation Research</i> , <b>2013</b> , 112, 1345-54	15.7	80
46	Lipoprotein lipase enhances the binding of native and oxidized low density lipoproteins to versican and biglycan synthesized by cultured arterial smooth muscle cells. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 34629-36	5.4	77
45	Type 1 diabetes promotes disruption of advanced atherosclerotic lesions in LDL receptor-deficient mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 2082-7	11.5	69
44	Oxidized low density lipoproteins regulate synthesis of monkey aortic smooth muscle cell proteoglycans that have enhanced native low density lipoprotein binding properties. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 4766-73	5.4	66
43	Leptin deficiency suppresses progression of atherosclerosis in apoE-deficient mice. <i>Atherosclerosis</i> , <b>2008</b> , 196, 68-75	3.1	63
42	Interaction of native and modified low-density lipoproteins with extracellular matrix. <i>Current Opinion in Lipidology</i> , <b>2000</b> , 11, 457-63	4.4	60

41	Cholesterol crystallization within hepatocyte lipid droplets and its role in murine NASH. <i>Journal of Lipid Research</i> , <b>2017</b> , 58, 1067-1079	6.3	59
40	Lipoprotein modification: cellular mechanisms. <i>Current Opinion in Lipidology</i> , <b>1994</b> , 5, 365-70	4.4	55
39	Oxidation-specific epitopes in human coronary atherosclerosis are not limited to oxidized low-density lipoprotein. <i>Circulation</i> , <b>1996</b> , 94, 1216-25	16.7	53
38	Deletion of serum amyloid A3 improves high fat high sucrose diet-induced adipose tissue inflammation and hyperlipidemia in female mice. <i>PLoS ONE</i> , <b>2014</b> , 9, e108564	3.7	45
37	Biglycan, a vascular proteoglycan, binds differently to HDL2 and HDL3: role of apoE. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2001</b> , 21, 129-35	9.4	42
36	Remnants of the Triglyceride-Rich Lipoproteins, Diabetes, and Cardiovascular Disease. <i>Diabetes</i> , <b>2020</b> , 69, 508-516	0.9	38
35	Increased dietary micronutrients decrease serum homocysteine concentrations in patients at high risk of cardiovascular disease. <i>American Journal of Clinical Nutrition</i> , <b>1999</b> , 70, 881-7	7	38
34	The effect of dietary cholesterol on macrophage accumulation in adipose tissue: implications for systemic inflammation and atherosclerosis. <i>Current Opinion in Lipidology</i> , <b>2009</b> , 20, 39-44	4.4	37
33	Diabetes and cardiovascular disease. Introduction. <i>Atherosclerosis Supplements</i> , <b>2006</b> , 7, 1-4	1.7	36
32	Arterial smooth muscle cell proteoglycans synthesized in the presence of glucosamine demonstrate reduced binding to LDL. <i>Journal of Lipid Research</i> , <b>2002</b> , 43, 149-157	6.3	35
31	Lysophosphatidylcholine regulates synthesis of biglycan and the proteoglycan form of macrophage colony stimulating factor. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2003</b> , 23, 809-15	9.4	33
30	10E,12Z-conjugated linoleic acid impairs adipocyte triglyceride storage by enhancing fatty acid oxidation, lipolysis, and mitochondrial reactive oxygen species. <i>Journal of Lipid Research</i> , <b>2013</b> , 54, 2964-73	6.3	32
29	Obese Mice Losing Weight Due to trans-10,cis-12 Conjugated Linoleic Acid Supplementation or Food Restriction Harbor Distinct Gut Microbiota. <i>Journal of Nutrition</i> , <b>2018</b> , 148, 562-572	4.1	30
28	Cutting Edge: BAFF Overexpression Reduces Atherosclerosis via TACI-Dependent B Cell Activation. <i>Journal of Immunology</i> , <b>2016</b> , 197, 4529-4534	5.3	29
27	Lipids, Lipoproteins, and Cardiovascular Disease: Clinical Pharmacology Now and in the Future. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2016</b> , 101, 804-14	5.6	28
26	T cell activation inhibitors reduce CD8+ T cell and pro-inflammatory macrophage accumulation in adipose tissue of obese mice. <i>PLoS ONE</i> , <b>2013</b> , 8, e67709	3.7	27
25	Increased levels of invariant natural killer T lymphocytes worsen metabolic abnormalities and atherosclerosis in obese mice. <i>Journal of Lipid Research</i> , <b>2013</b> , 54, 2831-41	6.3	26
24	Lipid Management in Patients with Endocrine Disorders: An Endocrine Society Clinical Practice Guideline. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2020</b> , 105,	5.6	26

23	HDL lipids and insulin resistance. <i>Current Diabetes Reports</i> , <b>2010</b> , 10, 78-86	5.6	22
22	Metabolically distinct weight loss by 10,12 CLA and caloric restriction highlight the importance of subcutaneous white adipose tissue for glucose homeostasis in mice. <i>PLoS ONE</i> , <b>2017</b> , 12, e0172912	3.7	21
21	D-lactate and metabolic bone disease in patients receiving long-term parenteral nutrition. <i>Journal of Parenteral and Enteral Nutrition</i> , <b>1989</b> , 13, 132-5	4.2	21
20	Statin-exposed vascular smooth muscle cells secrete proteoglycans with decreased binding affinity for LDL. <i>Journal of Lipid Research</i> , <b>2003</b> , 44, 2152-60	6.3	20
19	A Comprehensive Update on the Chylomicronemia Syndrome. <i>Frontiers in Endocrinology</i> , <b>2020</b> , 11, 5939317	3.7	19
18	Treatment of Dyslipidemia in Diabetes: Recent Advances and Remaining Questions. <i>Current Diabetes Reports</i> , <b>2017</b> , 17, 112	5.6	18
17	A Novel Strategy to Prevent Advanced Atherosclerosis and Lower Blood Glucose in a Mouse Model of Metabolic Syndrome. <i>Diabetes</i> , <b>2018</b> , 67, 946-959	0.9	16
16	Apolipoprotein E mediates the retention of high-density lipoproteins by mouse carotid arteries and cultured arterial smooth muscle cell extracellular matrices. <i>Circulation Research</i> , <b>2002</b> , 90, 1333-9	15.7	16
15	Adipocyte-Derived Versican and Macrophage-Derived Biglycan Control Adipose Tissue Inflammation in Obesity. <i>Cell Reports</i> , <b>2020</b> , 31, 107818	10.6	12
14	Antioxidants inhibit the ability of lysophosphatidylcholine to regulate proteoglycan synthesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2006</b> , 26, 494-500	9.4	10
13	The apolipoprotein-AI mimetic peptide L4F at a modest dose does not attenuate weight gain, inflammation, or atherosclerosis in LDLR-null mice. <i>PLoS ONE</i> , <b>2014</b> , 9, e109252	3.7	9
12	Successful pregnancy outcome using total parenteral nutrition from the first trimester of pregnancy. <i>Journal of Parenteral and Enteral Nutrition</i> , <b>1986</b> , 10, 665-9	4.2	8
11	Blocking endothelial lipase with monoclonal antibody MEDI5884 durably increases high density lipoprotein in nonhuman primates and in a phase 1 trial. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	7
10	Presence of serum amyloid A3 in mouse plasma is dependent on the nature and extent of the inflammatory stimulus. <i>Scientific Reports</i> , <b>2020</b> , 10, 10397	4.9	6
9	Deficiency of Invariant Natural Killer T Cells Does Not Protect Against Obesity but Exacerbates Atherosclerosis in Ldlr Mice. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	4
8	Glycation of HDL blunts its anti-inflammatory and cholesterol efflux capacities in vitro, but has no effect in poorly controlled type 1 diabetes subjects. <i>Journal of Diabetes and Its Complications</i> , <b>2020</b> , 34, 107693	3.2	3
7	Sexually Dimorphic Relationships Among Saa3 (Serum Amyloid A3), Inflammation, and Cholesterol Metabolism Modulate Atherosclerosis in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2021</b> , 41, e299-e313	9.4	2
6	Serum amyloid A-containing HDL binds adipocyte-derived versican and macrophage-derived biglycan, reducing its antiinflammatory properties. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	1

5	Hematopoietic Cell-Expressed Endothelial Nitric Oxide Protects the Liver From Insulin Resistance. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2020</b> , 40, 670-681	9.4	1
4	Approach to patients with hypertriglyceridemia.. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , <b>2022</b> , 101659	6.5	1
3	Strategies to achieve target LDL levels. <i>Current Diabetes Reports</i> , <b>2010</b> , 10, 4-6	5.6	
2	Comparison between genetic and pharmaceutical disruption of LDLR expression for the development of atherosclerosis.. <i>Journal of Lipid Research</i> , <b>2022</b> , 100174	6.3	
1	Approach to patients with elevated low-density lipoprotein cholesterol levels.. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , <b>2022</b> , 101658	6.5	