Alan Chait

List of Publications by Year
in descending order

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Version: 2024-02-01

76	8,722	53660	74018
papers	citations	45 h-index	75 g-index

77	77	77	9556
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Shotgun proteomics implicates protease inhibition and complement activation in the antiinflammatory properties of HDL. Journal of Clinical Investigation, 2007, 117, 746-756.	3.9	825
2	Adipose Tissue Distribution, Inflammation and Its Metabolic Consequences, Including Diabetes and Cardiovascular Disease. Frontiers in Cardiovascular Medicine, 2020, 7, 22.	1.1	614
3	Cardiovascular disease risk in type 2 diabetes mellitus: insights from mechanistic studies. Lancet, The, 2008, 371, 1800-1809.	6.3	454
4	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. Circulation, 1996, 93, 672-682.	1.6	453
5	The myeloperoxidase product hypochlorous acid oxidizes HDL in the human artery wall and impairs ABCA1-dependent cholesterol transport. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13032-13037.	3.3	392
6	Comparison of Apolipoprotein and Proteoglycan Deposits in Human Coronary Atherosclerotic Plaques. Circulation, 1998, 98, 519-527.	1.6	262
7	Very low density lipoprotein overproduction in genetic forms of hypertriglyceridaemia. European Journal of Clinical Investigation, 1980, 10, 17-22.	1.7	248
8	Human Atherosclerotic Intima and Blood of Patients with Established Coronary Artery Disease Contain High Density Lipoprotein Damaged by Reactive Nitrogen Species. Journal of Biological Chemistry, 2004, 279, 42977-42983.	1.6	246
9	Reduced Plasma Peroxyl Radical Trapping Capacity and Increased Susceptibility of LDL to Oxidation In Poorly Controlled IDDM. Diabetes, 1994, 43, 1010-1014.	0.3	243
10	Differential Effect of Saturated and Unsaturated Free Fatty Acids on the Generation of Monocyte Adhesion and Chemotactic Factors by Adipocytes. Diabetes, 2010, 59, 386-396.	0.3	211
11	Dietary Isoflavones Reduce Plasma Cholesterol and Atherosclerosis in C57BL/6 Mice but not LDL Receptorâ€“Deficient Mice. Journal of Nutrition, 1998, 128, 954-959.	1.3	204
12	Thematic review series: The Immune System and Atherogenesis. Lipoprotein-associated inflammatory proteins: markers or mediators of cardiovascular disease?. Journal of Lipid Research, 2005, 46, 389-403.	2.0	202
13	Dietary cholesterol exacerbates hepatic steatosis and inflammation in obese LDL receptor-deficient mice. Journal of Lipid Research, 2011, 52, 1626-1635.	2.0	196
14	Diabetes and atherosclerosis: is there a role for hyperglycemia?. Journal of Lipid Research, 2009, 50, S335-S339.	2.0	191
15	REGULATORY ROLE OF TRIIODOTHYRONINE IN THE DEGRADATION OF LOW DENSITY LIPOPROTEIN BY CULTURED HUMAN SKIN FIBROBLASTS. Journal of Clinical Endocrinology and Metabolism, 1979, 48, 887-889.	1.8	183
16	Impaired Superoxide Production Due to a Deficiency in Phagocyte NADPH Oxidase Fails to Inhibit Atherosclerosis in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2000, 20, 1529-1535.	1.1	171
17	Diabetes and diabetes-associated lipid abnormalities have distinct effects on initiation and progression of atherosclerotic lesions. Journal of Clinical Investigation, 2004, 114, 659-668.	3.9	171
18	Dietary Cholesterol Worsens Adipose Tissue Macrophage Accumulation and Atherosclerosis in Obese LDL Receptorâ€“Deficient Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 685-691.	1.1	161

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19	Increase in Serum Amyloid A Evoked by Dietary Cholesterol Is Associated With Increased Atherosclerosis in Mice. Circulation, 2004, 110, 540-545.	1.6	156
20	NADPH Oxidase-derived Reactive Oxygen Species Increases Expression of Monocyte Chemotactic Factor Genes in Cultured Adipocytes. Journal of Biological Chemistry, 2012, 287, 10379-10393.	1.6	152
21	Adipocyte-Derived Serum Amyloid A3 and Hyaluronan Play a Role in Monocyte Recruitment and Adhesion. Diabetes, 2007, 56, 2260-2273.	0.3	151
22	Very low density lipoprotein overproduction in genetic forms of hypertriglyceridaemia. European Journal of Clinical Investigation, 1980, 10, 17-22.	1.7	149
23	Proteoglycans Synthesized by Arterial Smooth Muscle Cells in the Presence of Transforming Growth Factor-I²1 Exhibit Increased Binding to LDLs. Arteriosclerosis, Thrombosis, and Vascular Biology, 2002, 22, 55-60.	1.1	148
24	Serum amyloid A impairs the antiinflammatory properties of HDL. Journal of Clinical Investigation, 2015, 126, 266-281.	3.9	128
25	Remnants of the Triglyceride-Rich Lipoproteins, Diabetes, and Cardiovascular Disease. Diabetes, 2020, 69, 508-516.	0.3	126
26	Reciprocal and Coordinate Regulation of Serum Amyloid A Versus Apolipoprotein A-I and Paraoxonase-1 by Inflammation in Murine Hepatocytes. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 1806-1813.	1.1	124
27	Safety and tolerability of simvastatin plus niacin in patients with coronary artery disease and low high-density lipoprotein cholesterol (The HDL Atherosclerosis Treatment Study). American Journal of Cardiology, 2004, 93, 307-312.	0.7	119
28	Diabetes and diabetes-associated lipid abnormalities have distinct effects on initiation and progression of atherosclerotic lesions. Journal of Clinical Investigation, 2004, 114, 659-668.	3.9	119
29	Dietary Antioxidants Inhibit Development of Fatty Streak Lesions in the LDL Receptorâ€“Deficient Mouse. Arteriosclerosis, Thrombosis, and Vascular Biology, 1998, 18, 1506-1513.	1.1	114
30	Cholesterol crystallization within hepatocyte lipid droplets and its role in murine NASH. Journal of Lipid Research, 2017, 58, 1067-1079.	2.0	111
31	Serum Amyloid A and Lipoprotein Retention in Murine Models of Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 785-790.	1.1	103
32	Apolipoprotein AI and High-Density Lipoprotein Have Anti-Inflammatory Effects on Adipocytes via Cholesterol Transporters. Circulation Research, 2013, 112, 1345-1354.	2.0	99
33	Lipoprotein Lipase Enhances the Binding of Native and Oxidized Low Density Lipoproteins to Versican and Biglycan Synthesized by Cultured Arterial Smooth Muscle Cells. Journal of Biological Chemistry, 1999, 274, 34629-34636.	1.6	85
34	Oxidized Low Density Lipoproteins Regulate Synthesis of Monkey Aortic Smooth Muscle Cell Proteoglycans That Have Enhanced Native Low Density Lipoprotein Binding Properties. Journal of Biological Chemistry, 2000, 275, 4766-4773.	1.6	79
35	Type 1 diabetes promotes disruption of advanced atherosclerotic lesions in LDL receptor-deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2082-2087.	3.3	76
36	Leptin deficiency suppresses progression of atherosclerosis in apoE-deficient mice. Atherosclerosis, 2008, 196, 68-75.	0.4	72

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37	Deletion of Serum Amyloid A3 Improves High Fat High Sucrose Diet-Induced Adipose Tissue Inflammation and Hyperlipidemia in Female Mice. PLoS ONE, 2014, 9, e108564.	1.1	70
38	Interaction of native and modified low-density lipoproteins with extracellular matrix. Current Opinion in Lipidology, 2000, 11, 457-463.	1.2	68
39	Lipoprotein modification. Current Opinion in Lipidology, 1994, 5, 365-370.	1.2	64
40	Lipid Management in Patients with Endocrine Disorders: An Endocrine Society Clinical Practice Guideline. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 3613-3682.	1.8	63
41	Oxidation-Specific Epitopes in Human Coronary Atherosclerosis Are Not Limited to Oxidized Low-Density Lipoprotein. Circulation, 1996, 94, 1216-1225.	1.6	61
42	A Comprehensive Update on the Chylomicronemia Syndrome. Frontiers in Endocrinology, 2020, 11, 593931.	1.5	60
43	Obese Mice Losing Weight Due to trans-10,cis-12 Conjugated Linoleic Acid Supplementation or Food Restriction Harbor Distinct Gut Microbiota. Journal of Nutrition, 2018, 148, 562-572.	1.3	59
44	Increased dietary micronutrients decrease serum homocysteine concentrations in patients at high risk of cardiovascular disease. American Journal of Clinical Nutrition, 1999, 70, 881-887.	2.2	46
45	The effect of dietary cholesterol on macrophage accumulation in adipose tissue: implications for systemic inflammation and atherosclerosis. Current Opinion in Lipidology, 2009, 20, 39-44.	1.2	45
46	Biglycan, a Vascular Proteoglycan, Binds Differently to HDL ₂ and HDL ₃. Arteriosclerosis, Thrombosis, and Vascular Biology, 2001, 21, 129-135.	1.1	44
47	Cutting Edge: BAFF Overexpression Reduces Atherosclerosis via TACI-Dependent B Cell Activation. Journal of Immunology, 2016, 197, 4529-4534.	0.4	41
48	Arterial smooth muscle cell proteoglycans synthesized in the presence of glucosamine demonstrate reduced binding to LDL. Journal of Lipid Research, 2002, 43, 149-157.	2.0	41
49	Introduction. Atherosclerosis Supplements, 2006, 7, 1-4.	1.2	38
50	10E,12Z-conjugated linoleic acid impairs adipocyte triglyceride storage by enhancing fatty acid oxidation, lipolysis, and mitochondrial reactive oxygen species. Journal of Lipid Research, 2013, 54, 2964-2978.	2.0	38
51	Lipids, Lipoproteins, and Cardiovascular Disease: Clinical Pharmacology Now and in the Future. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 804-814.	1.8	36
52	Lysophosphatidylcholine Regulates Synthesis of Biglycan and the Proteoglycan Form of Macrophage Colony Stimulating Factor. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 809-815.	1.1	33
53	Metabolically distinct weight loss by 10,12 CLA and caloric restriction highlight the importance of subcutaneous white adipose tissue for glucose homeostasis in mice. PLoS ONE, 2017, 12, e0172912.	1.1	33
54	T Cell Activation Inhibitors Reduce CD8+ T Cell and Pro-Inflammatory Macrophage Accumulation in Adipose Tissue of Obese Mice. PLoS ONE, 2013, 8, e67709.	1.1	33

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55	HDL Lipids and Insulin Resistance. Current Diabetes Reports, 2010, 10, 78-86.	1.7	32
56	Adipocyte-Derived Versican and Macrophage-Derived Biglycan Control Adipose Tissue Inflammation in Obesity. Cell Reports, 2020, 31, 107818.	2.9	32
57	Increased levels of invariant natural killer T lymphocytes worsen metabolic abnormalities and atherosclerosis in obese mice. Journal of Lipid Research, 2013, 54, 2831-2841.	2.0	29
58	Dâ€Ł actate and Metabolic Bone Disease in Patients Receiving Longâ€Ťerm Parenteral Nutrition. Journal of Parenteral and Enteral Nutrition, 1989, 13, 132-135.	1.3	25
59	A Novel Strategy to Prevent Advanced Atherosclerosis and Lower Blood Glucose in a Mouse Model of Metabolic Syndrome. Diabetes, 2018, 67, 946-959.	0.3	25
60	Statin-exposed vascular smooth muscle cells secrete proteoglycans with decreased binding affinity for LDL. Journal of Lipid Research, 2003, 44, 2152-2160.	2.0	22
61	Treatment of Dyslipidemia in Diabetes: Recent Advances and Remaining Questions. Current Diabetes Reports, 2017, 17, 112.	1.7	22
62	Apolipoprotein E Mediates the Retention of High-Density Lipoproteins by Mouse Carotid Arteries and Cultured Arterial Smooth Muscle Cell Extracellular Matrices. Circulation Research, 2002, 90, 1333-1339.	2.0	18
63	Blocking endothelial lipase with monoclonal antibody MEDI5884 durably increases high density lipoprotein in nonhuman primates and in a phase 1 trial. Science Translational Medicine, 2021, 13, .	5.8	16
64	Antioxidants Inhibit the Ability of Lysophosphatidylcholine to Regulate Proteoglycan Synthesis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 494-500.	1.1	15
65	Successful Pregnancy Outcome using Total Parenteral Nutrition from the First Trimester of Pregnancy. Journal of Parenteral and Enteral Nutrition, 1986, 10, 665-669.	1.3	10
66	Deficiency of Invariant Natural Killer T Cells Does Not Protect Against Obesity but Exacerbates Atherosclerosis in Ldlrâ^'/â^' Mice. International Journal of Molecular Sciences, 2018, 19, 510.	1.8	10
67	Glycation of HDL blunts its anti-inflammatory and cholesterol efflux capacities in vitro, but has no effect in poorly controlled type 1 diabetes subjects. Journal of Diabetes and Its Complications, 2020, 34, 107693.	1.2	10
68	Presence of serum amyloid A3 in mouse plasma is dependent on the nature and extent of the inflammatory stimulus. Scientific Reports, 2020, 10, 10397.	1.6	10
69	Sexually Dimorphic Relationships Among Saa3 (Serum Amyloid A3), Inflammation, and Cholesterol Metabolism Modulate Atherosclerosis in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, e299-e313.	1.1	10
70	The Apolipoprotein-AI Mimetic Peptide L4F at a Modest Dose Does Not Attenuate Weight Gain, Inflammation, or Atherosclerosis in LDLR-Null Mice. PLoS ONE, 2014, 9, e109252.	1.1	9
71	Serum amyloid Aâ€“containing HDL binds adipocyte-derived versican and macrophage-derived biglycan, reducing its antiinflammatory properties. JCI Insight, 2020, 5, .	2.3	6
72	Hematopoietic Cellâ€“Expressed Endothelial Nitric Oxide Protects the Liver From Insulin Resistance. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 670-681.	1.1	4

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73	Comparison between genetic and pharmaceutical disruption of Ldlr expression for the development of atherosclerosis. Journal of Lipid Research, 2022, 63, 100174.	2.0	2
74	Approach to patients with hypertriglyceridemia. Best Practice and Research in Clinical Endocrinology and Metabolism, 2023, 37, 101659.	2.2	2
75	Approach to patients with elevated low-density lipoprotein cholesterol levels. Best Practice and Research in Clinical Endocrinology and Metabolism, 2023, 37, 101658.	2.2	2
76	Strategies to Achieve Target LDL Levels. Current Diabetes Reports, 2010, 10, 4-6.	1.7	0