

Harry Björkbacka

List of Publications by Year in descending order

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Version: 2024-02-01

112
papers

4,930
citations

94433

37
h-index

98798

67
g-index

114
all docs

114
docs citations

114
times ranked

8094
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduced atherosclerosis in MyD88-null mice links elevated serum cholesterol levels to activation of innate immunity signaling pathways. <i>Nature Medicine</i> , 2004, 10, 416-421.	30.7	579
2	Gene Expression in Autumn Leaves. <i>Plant Physiology</i> , 2003, 131, 430-442.	4.8	271
3	The induction of macrophage gene expression by LPS predominantly utilizes Myd88-independent signaling cascades. <i>Physiological Genomics</i> , 2004, 19, 319-330.	2.3	270
4	Elevated CD14 ⁺⁺ CD16 ⁺ Monocytes Predict Cardiovascular Events. Circulation: Cardiovascular Genetics, 2012, 5, 122-131.	5.1	217
5	Malaria primes the innate immune response due to interferon- β induced enhancement of toll-like receptor expression and function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5789-5794.	7.1	179
6	Marked upregulation of cholesterol 25-hydroxylase expression by lipopolysaccharide. <i>Journal of Lipid Research</i> , 2009, 50, 2258-2264.	4.2	166
7	Evidence Supporting a Key Role of Lp-PLA2-Generated Lysophosphatidylcholine in Human Atherosclerotic Plaque Inflammation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1505-1512.	2.4	157
8	Low Levels of Circulating CD4 ⁺ FoxP3 ⁺ T Cells Are Associated With an Increased Risk for Development of Myocardial Infarction But Not for Stroke. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 2000-2004.	2.4	139
9	Altered metabolism distinguishes high-risk from stable carotid atherosclerotic plaques. <i>European Heart Journal</i> , 2018, 39, 2301-2310.	2.2	104
10	T-Helper 2 Immunity Is Associated With Reduced Risk of Myocardial Infarction and Stroke. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 637-644.	2.4	93
11	Apolipoprotein M binds oxidized phospholipids and increases the antioxidant effect of HDL. <i>Arteriosclerosis</i> , 2012, 221, 91-97.	0.8	92
12	Plasma S100A8/A9 Correlates With Blood Neutrophil Counts, Traditional Risk Factors, and Cardiovascular Disease in Middle-Aged Healthy Individuals. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 202-210.	2.4	90
13	Multiple roles of Toll-like receptor signaling in atherosclerosis. <i>Current Opinion in Lipidology</i> , 2006, 17, 527-533.	2.7	88
14	Treatment with apo B peptide vaccines inhibits atherosclerosis in human apo B ¹⁰⁰ transgenic mice without inducing an increase in peptide-specific antibodies. <i>Journal of Internal Medicine</i> , 2008, 264, 563-570.	6.0	86
15	Elevated Plasma Levels of MMP-12 Are Associated With Atherosclerotic Burden and Symptomatic Cardiovascular Disease in Subjects With Type 2 Diabetes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1723-1731.	2.4	86
16	Nanomolar concentrations of lysophosphatidylcholine recruit monocytes and induce pro-inflammatory cytokine production in macrophages. <i>Biochemical and Biophysical Research Communications</i> , 2008, 370, 348-352.	2.1	83
17	Soluble urokinase plasminogen activator receptor in plasma is associated with incidence of CVD. Results from the Malm \ddot{a} Diet and Cancer Study. <i>Arteriosclerosis</i> , 2012, 220, 502-505.	0.8	83
18	Evidence for a role of regulatory T cells in mediating the atheroprotective effect of apolipoprotein B peptide vaccine. <i>Journal of Internal Medicine</i> , 2011, 269, 546-556.	6.0	82

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19	Soluble Urokinase Plasminogen Activator Receptor is Associated With Inflammation in the Vulnerable Human Atherosclerotic Plaque. <i>Stroke</i> , 2012, 43, 3305-3312.	2.0	81
20	Circulating Monocyte Chemoattractant Protein-1 and Risk of Stroke. <i>Circulation Research</i> , 2019, 125, 773-782.	4.5	78
21	CD8+ T cell activation predominate early immune responses to hypercholesterolemia in Apoe ^{-/-} mice. <i>BMC Immunology</i> , 2010, 11, 58.	2.2	74
22	Atheroprotective Effects of Alum Are Associated With Capture of Oxidized LDL Antigens and Activation of Regulatory T Cells. <i>Circulation Research</i> , 2009, 104, e62-70.	4.5	59
23	Association between CD8 ⁺ T cell subsets and cardiovascular disease. <i>Journal of Internal Medicine</i> , 2013, 274, 41-51.	6.0	50
24	Impaired Fibrous Repair. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2143-2150.	2.4	49
25	A high quality diet is associated with reduced systemic inflammation in middle-aged individuals. <i>Atherosclerosis</i> , 2015, 238, 38-44.	0.8	48
26	Intracellular $\hat{1}^2$ -Carbonic Anhydrase of the Unicellular Green Alga <i>Coccomyxa</i> 1. <i>Plant Physiology</i> , 1998, 117, 1341-1349.	4.8	46
27	Genome-Wide Expression Profiling and Mutagenesis Studies Reveal that Lipopolysaccharide Responsiveness Appears To Be Absolutely Dependent on TLR4 and MD-2 Expression and Is Dependent upon Intermolecular Ionic Interactions. <i>Journal of Immunology</i> , 2011, 187, 3683-3693.	0.8	46
28	Emerging biomarkers and intervention targets for immune-modulation of atherosclerosis – A review of the experimental evidence. <i>Atherosclerosis</i> , 2013, 227, 9-17.	0.8	46
29	Fc $\hat{3}$ RIIB Inhibits the Development of Atherosclerosis in Low-Density Lipoprotein Receptor-Deficient Mice. <i>Journal of Immunology</i> , 2010, 184, 2253-2260.	0.8	44
30	Circulating CD40 ⁺ and CD86 ⁺ B Cell Subsets Demonstrate Opposing Associations With Risk of Stroke. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 211-218.	2.4	44
31	IL-1R and MyD88 signalling in CD4+ T cells promote Th17 immunity and atherosclerosis. <i>Cardiovascular Research</i> , 2018, 114, 180-187.	3.8	44
32	IL-22 affects smooth muscle cell phenotype and plaque formation in apolipoprotein E knockout mice. <i>Atherosclerosis</i> , 2015, 242, 506-514.	0.8	43
33	Low Levels of Apolipoprotein B-100 Autoantibodies Are Associated With Increased Risk of Coronary Events. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 765-771.	2.4	43
34	Elevated Markers of Death Receptor-Activated Apoptosis are Associated with Increased Risk for Development of Diabetes and Cardiovascular Disease. <i>EBioMedicine</i> , 2017, 26, 187-197.	6.1	43
35	Detecting microRNA activity from gene expression data. <i>BMC Bioinformatics</i> , 2010, 11, 257.	2.6	42
36	Apolipoprotein B100 autoimmunity and atherosclerosis – disease mechanisms and therapeutic potential. <i>Current Opinion in Lipidology</i> , 2012, 23, 422-428.	2.7	42

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37	Total and differential leucocyte counts in relation to incidence of stroke subtypes and mortality: a prospective cohort study. <i>Journal of Internal Medicine</i> , 2012, 272, 298-304.	6.0	42
38	IL-25 Inhibits Atherosclerosis Development in Apolipoprotein E Deficient Mice. <i>PLoS ONE</i> , 2015, 10, e0117255.	2.5	40
39	<i>Rip2</i> Deficiency Leads to Increased Atherosclerosis Despite Decreased Inflammation. <i>Circulation Research</i> , 2011, 109, 1210-1218.	4.5	39
40	High levels of cathepsin D and cystatin B are associated with increased risk of coronary events. <i>Open Heart</i> , 2016, 3, e000353.	2.3	39
41	High Levels of Soluble Lectinlike Oxidized Low-Density Lipoprotein Receptor-1 Are Associated With Carotid Plaque Inflammation and Increased Risk of Ischemic Stroke. <i>Journal of the American Heart Association</i> , 2019, 8, e009874.	3.7	37
42	Weak associations between human leucocyte antigen genotype and acute myocardial infarction. <i>Journal of Internal Medicine</i> , 2010, 268, 50-58.	6.0	36
43	Vaccines modulating lipoprotein autoimmunity as a possible future therapy for cardiovascular disease. <i>Journal of Internal Medicine</i> , 2009, 266, 221-231.	6.0	35
44	Lack of Ability to Present Antigens on Major Histocompatibility Complex Class II Molecules Aggravates Atherosclerosis in ApoE ^{-/-} Mice. <i>Circulation</i> , 2019, 139, 2554-2566.	1.6	35
45	Association of Circulating Monocyte Chemoattractant Protein-1 Levels With Cardiovascular Mortality. <i>JAMA Cardiology</i> , 2021, 6, 587.	6.1	35
46	Inflammation and immunity in diabetic vascular complications. <i>Current Opinion in Lipidology</i> , 2008, 19, 519-524.	2.7	34
47	Immunization of apoE ^{-/-} mice with aldehyde-modified fibronectin inhibits the development of atherosclerosis. <i>Cardiovascular Research</i> , 2011, 91, 528-536.	3.8	34
48	IL-16/miR-125a axis controls neutrophil recruitment in pristane-induced lung inflammation. <i>JCI Insight</i> , 2018, 3, .	5.0	34
49	TAP1-Deficiency Does Not Alter Atherosclerosis Development in ApoE ^{-/-} Mice. <i>PLoS ONE</i> , 2012, 7, e33932.	2.5	34
50	Low Levels of IgM Antibodies against an Advanced Glycation Endproduct-Modified Apolipoprotein B100 Peptide Predict Cardiovascular Events in Nondiabetic Subjects. <i>Journal of Immunology</i> , 2015, 195, 3020-3025.	0.8	30
51	Elevated circulating effector memory T cells but similar levels of regulatory T cells in patients with type 2 diabetes mellitus and cardiovascular disease. <i>Diabetes and Vascular Disease Research</i> , 2019, 16, 270-280.	2.0	29
52	Circulating Interleukin-6 Levels and Incident Ischemic Stroke. <i>Neurology</i> , 2022, 98, .	1.1	29
53	Use of Vascular Assessments and Novel Biomarkers to Predict Cardiovascular Events in Type 2 Diabetes: The SUMMIT VIP Study. <i>Diabetes Care</i> , 2018, 41, 2212-2219.	8.6	28
54	The vascular repair process after injury of the carotid artery is regulated by IL-1RI and MyD88 signalling. <i>Cardiovascular Research</i> , 2011, 91, 350-357.	3.8	27

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55	Plasma stem cell factor levels are associated with risk of cardiovascular disease and death. <i>Journal of Internal Medicine</i> , 2017, 282, 508-521.	6.0	27
56	High Plasma Levels of Galectin-3 Are Associated with Increased Risk for Stroke after Carotid Endarterectomy. <i>Cerebrovascular Diseases</i> , 2016, 41, 199-203.	1.7	26
57	CD163+ macrophages are associated with a vulnerable plaque phenotype in human carotid plaques. <i>Scientific Reports</i> , 2020, 10, 14362.	3.3	25
58	Circulating GDF-15 levels predict future secondary manifestations of cardiovascular disease explicitly in women but not men with atherosclerosis. <i>International Journal of Cardiology</i> , 2017, 241, 430-436.	1.7	24
59	The Sulfhydryl Groups of Cys 269 and Cys 272 Are Critical for the Oligomeric State of Chloroplast Carbonic Anhydrase from <i>Pisum sativum</i> . <i>Biochemistry</i> , 1997, 36, 4287-4294.	2.5	23
60	Immune responses against aldehyde-modified laminin accelerate atherosclerosis in ApoE ^{-/-} mice. <i>Atherosclerosis</i> , 2010, 212, 457-465.	0.8	23
61	High Levels of (Un)Switched Memory B Cells Are Associated With Better Outcome in Patients With Advanced Atherosclerotic Disease. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	22
62	Laminin isoforms in atherosclerotic arteries from mice and man. <i>Histology and Histopathology</i> , 2011, 26, 711-24.	0.7	22
63	Possible Roles for His 208 in the Active-Site Region of Chloroplast Carbonic Anhydrase from <i>Pisum sativum</i> . <i>Archives of Biochemistry and Biophysics</i> , 1999, 361, 17-24.	3.0	19
64	Induction of T helper 2 responses against human apolipoprotein B100 does not affect atherosclerosis in ApoE ^{-/-} mice. <i>Cardiovascular Research</i> , 2014, 103, 304-312.	3.8	18
65	Associations Between Macrophage Colony-Stimulating Factor and Monocyte Chemoattractant Protein 1 in Plasma and First-Time Coronary Events: A Nested Case-Control Study. <i>Journal of the American Heart Association</i> , 2016, 5, .	3.7	17
66	Associations of Interleukin-5 With Plaque Development and Cardiovascular Events. <i>JACC Basic To Translational Science</i> , 2019, 4, 891-902.	4.1	16
67	Evidence for altered inflammatory and repair responses in symptomatic carotid plaques from elderly patients. <i>Atherosclerosis</i> , 2014, 237, 177-182.	0.8	15
68	High Plasma Levels of Heparin-Binding Epidermal Growth Factor Are Associated With a More Stable Plaque Phenotype and Reduced Incidence of Coronary Events. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 222-228.	2.4	15
69	Decreased levels of stem cell factor in subjects with incident coronary events. <i>Journal of Internal Medicine</i> , 2016, 279, 180-191.	6.0	15
70	Interleukin-25 (IL-25) has a protective role in atherosclerosis development in the aortic arch in mice. <i>Journal of Biological Chemistry</i> , 2018, 293, 6791-6801.	3.4	14
71	Legumain is upregulated in acute cardiovascular events and associated with improved outcome - potentially related to anti-inflammatory effects on macrophages. <i>Atherosclerosis</i> , 2020, 296, 74-82.	0.8	14
72	Human Carotid Plaques With High Levels of Interleukin-16 Are Associated With Reduced Risk for Cardiovascular Events. <i>Stroke</i> , 2015, 46, 2748-2754.	2.0	13

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73	Association between renin and atherosclerotic burden in subjects with and without type 2 diabetes. <i>BMC Cardiovascular Disorders</i> , 2016, 16, 171.	1.7	13
74	Molecular cloning and biochemical characterization of carbonic anhydrase from <i>Populus tremula x tremuloides</i> . <i>Plant Molecular Biology</i> , 1997, 34, 583-592.	3.9	12
75	Genetic loci on chromosome 5 are associated with circulating levels of interleukin-5 and eosinophil count in a European population with high risk for cardiovascular disease. <i>Cytokine</i> , 2016, 81, 1-9.	3.2	12
76	Apolipoprotein B-100 Antibody Interaction With Atherosclerotic Plaque Inflammation and Repair Processes. <i>Stroke</i> , 2016, 47, 1140-1143.	2.0	11
77	Low Levels of CD4 ⁺ CD28 ^{null} T Cells at Baseline Are Associated With First-Time Coronary Events in a Prospective Population-Based Case-Control Cohort. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 426-436.	2.4	11
78	Cartilage Oligomeric Matrix Protein Associates With a Vulnerable Plaque Phenotype in Human Atherosclerotic Plaques. <i>Stroke</i> , 2019, 50, 3289-3292.	2.0	10
79	ILC2 transfers to apolipoprotein E deficient mice reduce the lipid content of atherosclerotic lesions. <i>BMC Immunology</i> , 2019, 20, 47.	2.2	10
80	Immunization with cationized BSA inhibits progression of disease in ApoBec-1/LDL receptor deficient mice with manifest atherosclerosis. <i>Immunobiology</i> , 2011, 216, 663-669.	1.9	9
81	Duffy antigen receptor genetic variant and the association with Interleukin 8 levels. <i>Cytokine</i> , 2015, 72, 178-184.	3.2	9
82	Generalized Rank Tests for Replicated Microarray Data. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2005, 4, Article3.	0.6	8
83	Mobilization of Regulatory T Cells in Response to Carotid Injury Does Not Influence Subsequent Neointima Formation. <i>PLoS ONE</i> , 2012, 7, e51556.	2.5	8
84	Nonparametric Methods for Microarray Data Based on Exchangeability and Borrowed Power. <i>Journal of Biopharmaceutical Statistics</i> , 2005, 15, 783-797.	0.8	6
85	Innate Immunity in Atherosclerosis. <i>Journal of Innate Immunity</i> , 2010, 2, 305-306.	3.8	6
86	Endarterectomy patients with elevated levels of circulating IL-16 have fewer cardiovascular events during follow-up. <i>Cytokine</i> , 2016, 85, 137-139.	3.2	6
87	CD4 ⁺ CD56 ⁺ natural killer-like cells secreting interferon- γ are associated with incident coronary events. <i>Journal of Internal Medicine</i> , 2016, 279, 78-88.	6.0	6
88	B cells treated with CTB-p210 acquire a regulatory phenotype in vitro and reduce atherosclerosis in apolipoprotein E deficient mice. <i>Vascular Pharmacology</i> , 2018, 111, 54-61.	2.1	6
89	Interleukin-25 reduces Th17 cells and inflammatory responses in human peripheral blood mononuclear cells. <i>Human Immunology</i> , 2018, 79, 685-692.	2.4	5
90	Is Toll-like receptor responsiveness a marker and predictor of coronary artery disease?. <i>Atherosclerosis</i> , 2014, 232, 197-198.	0.8	4

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91	Immune responses against oxidized LDL as possible targets for prevention of atherosclerosis in systemic lupus erythematosus. <i>Vascular Pharmacology</i> , 2021, 140, 106863.	2.1	4
92	Can Circulating Regulatory T Cells Predict Cardiovascular Disease?. <i>EBioMedicine</i> , 2016, 11, 15-16.	6.1	3
93	High levels of autoantibodies against apoB100 p210 are associated with lower incidence of atrial fibrillation in women. <i>Journal of Internal Medicine</i> , 2022, 291, 207-217.	6.0	3
94	Atherosclerosis. <i>Current Opinion in Lipidology</i> , 2015, 26, 67-69.	2.7	2
95	Atherosclerosis: cell biology and lipoproteins. <i>Current Opinion in Lipidology</i> , 2021, 32, 74-75.	2.7	2
96	Atherosclerosis: cell biology and lipoproteins. <i>Current Opinion in Lipidology</i> , 2008, 19, 548-549.	2.7	1
97	Atherosclerosis: cell biology and lipoproteins. <i>Current Opinion in Lipidology</i> , 2008, 19, 215-217.	2.7	1
98	Atherosclerosis: cell biology and lipoproteins. <i>Current Opinion in Lipidology</i> , 2009, 20, 82-84.	2.7	1
99	Atherosclerosis: cell biology and lipoproteins. <i>Current Opinion in Lipidology</i> , 2010, 21, 97-98.	2.7	1
100	Atherosclerosis: cell biology and lipoproteins. <i>Current Opinion in Lipidology</i> , 2011, 22, 74-75.	2.7	1
101	Atherosclerosis. <i>Current Opinion in Lipidology</i> , 2013, 24, 279-280.	2.7	1
102	Atherosclerosis. <i>Current Opinion in Lipidology</i> , 2014, 25, 319-320.	2.7	1
103	Atherosclerosis. <i>Current Opinion in Lipidology</i> , 2019, 30, 50-52.	2.7	1
104	Oxidized lipoprotein autoimmunity: an emerging drug target in cardiovascular disease. <i>Future Lipidology</i> , 2006, 1, 321-330.	0.5	0
105	Atherosclerosis: cell biology and lipoproteins. <i>Current Opinion in Lipidology</i> , 2009, 20, 355-356.	2.7	0
106	Atherosclerosis. <i>Current Opinion in Lipidology</i> , 2011, 22, 430-432.	2.7	0
107	Atherosclerosis. <i>Current Opinion in Lipidology</i> , 2012, 23, 505-508.	2.7	0
108	Low levels of igm antibodies against an age-modified apolipoprotein b100 peptide predict cardiovascular events in non-diabetics. <i>Atherosclerosis</i> , 2014, 235, e44-e45.	0.8	0

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109	Atherosclerosis. <i>Current Opinion in Lipidology</i> , 2016, 27, 94-96.	2.7	0
110	High circulating levels of LOX-1 are associated with elevated risk of ischemic stroke. <i>Atherosclerosis</i> , 2017, 263, e47.	0.8	0
111	Microarray Experiments to Uncover Toll-Like Receptor Function. <i>Methods in Molecular Biology</i> , 2009, 517, 253-275.	0.9	0
112	Atherosclerosis: cell biology and lipoproteins. <i>Current Opinion in Lipidology</i> , 2022, 33, 208-210.	2.7	0