

# Johan L M BJORKEGREN

## List of Publications by Year in Descending Order

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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.

78  
papers

3,945  
citations

30  
h-index

62  
g-index

93  
ext. papers

6,296  
ext. citations

12.5  
avg, IF

5.36  
L-index

#	Paper	IF	Citations
78	A mechanistic framework for cardiometabolic and coronary artery diseases <b>2022</b> , 1, 85-100		5
77	Transcriptome-wide association study of coronary artery disease identifies novel susceptibility genes.. <i>Basic Research in Cardiology</i> , <b>2022</b> , 117, 6	11.8	3
76	Atherosclerosis: Recent developments.. <i>Cell</i> , <b>2022</b> , 185, 1630-1645	56.2	18
75	Dynamic changes in chromatin accessibility are associated with the atherogenic transitioning of vascular smooth muscle cells. <i>Cardiovascular Research</i> , <b>2021</b> ,	9.9	2
74	Sex-specific genetic regulation of adipose mitochondria and metabolic syndrome by Ndufv2. <i>Nature Metabolism</i> , <b>2021</b> , 3, 1552-1568	14.6	6
73	Integration of Alzheimer's disease genetics and myeloid genomics identifies disease risk regulatory elements and genes. <i>Nature Communications</i> , <b>2021</b> , 12, 1610	17.4	25
72	Cis-epistasis at the LPA locus and risk of cardiovascular diseases. <i>Cardiovascular Research</i> , <b>2021</b> ,	9.9	6
71	Transcription Factor MAFF (MAF Basic Leucine Zipper Transcription Factor F) Regulates an Atherosclerosis Relevant Network Connecting Inflammation and Cholesterol Metabolism. <i>Circulation</i> , <b>2021</b> , 143, 1809-1823	16.7	10
70	Precision Medicine Approaches to Vascular Disease: JACC Focus Seminar 2/5. <i>Journal of the American College of Cardiology</i> , <b>2021</b> , 77, 2531-2550	15.1	3
69	An integrative multiomic network model links lipid metabolism to glucose regulation in coronary artery disease. <i>Nature Communications</i> , <b>2021</b> , 12, 547	17.4	12
68	Sex-Stratified Gene Regulatory Networks Reveal Female Key Driver Genes of Atherosclerosis Involved in Smooth Muscle Cell Phenotype Switching. <i>Circulation</i> , <b>2021</b> , 143, 713-726	16.7	18
67	Genome-wide analysis identifies novel susceptibility loci for myocardial infarction. <i>European Heart Journal</i> , <b>2021</b> , 42, 919-933	9.5	14
66	Histone deacetylase 9 promotes endothelial-mesenchymal transition and an unfavorable atherosclerotic plaque phenotype. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	7
65	Variation in the SERPINA6/SERPINA1 locus alters morning plasma cortisol, hepatic corticosteroid binding globulin expression, gene expression in peripheral tissues, and risk of cardiovascular disease. <i>Journal of Human Genetics</i> , <b>2021</b> , 66, 625-636	4.3	12
64	Integrative Prioritization of Causal Genes for Coronary Artery Disease.. <i>Circulation Genomic and Precision Medicine</i> , <b>2021</b> , CIRCGEN121003365	5.2	2
63	Multiple independent mechanisms link gene polymorphisms in the region of ZEB2 with risk of coronary artery disease. <i>Atherosclerosis</i> , <b>2020</b> , 311, 20-29	3.1	4
62	Clonally expanding smooth muscle cells promote atherosclerosis by escaping efferocytosis and activating the complement cascade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 15818-15826	11.5	36

61	alona: a web server for single-cell RNA-seq analysis. <i>Bioinformatics</i> , <b>2020</b> , 36, 3910-3912	7.2	19
60	Sex differences in human adipose tissue gene expression and genetic regulation involve adipogenesis. <i>Genome Research</i> , <b>2020</b> , 30, 1379-1392	9.7	9
59	Genetic Regulation of Atherosclerosis-Relevant Phenotypes in Human Vascular Smooth Muscle Cells. <i>Circulation Research</i> , <b>2020</b> , 127, 1552-1565	15.7	12
58	Stem Cell Pluripotency Genes Klf4 and Oct4 Regulate Complex SMC Phenotypic Changes Critical in Late-Stage Atherosclerotic Lesion Pathogenesis. <i>Circulation</i> , <b>2020</b> , 142, 2045-2059	16.7	65
57	Functional investigation of the coronary artery disease gene SVEP1. <i>Basic Research in Cardiology</i> , <b>2020</b> , 115, 67	11.8	5
56	Single-cell analysis uncovers fibroblast heterogeneity and criteria for fibroblast and mural cell identification and discrimination. <i>Nature Communications</i> , <b>2020</b> , 11, 3953	17.4	82
55	Model-based clustering of multi-tissue gene expression data. <i>Bioinformatics</i> , <b>2020</b> , 36, 1807-1813	7.2	6
54	A plasma proteogenomic signature for fibromuscular dysplasia. <i>Cardiovascular Research</i> , <b>2020</b> , 116, 63-77	7.9	17
53	Integrative transcriptome imputation reveals tissue-specific and shared biological mechanisms mediating susceptibility to complex traits. <i>Nature Communications</i> , <b>2019</b> , 10, 3834	17.4	28
52	Human Y Chromosome Exerts Pleiotropic Effects on Susceptibility to Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2019</b> , 39, 2386-2401	9.4	15
51	Contribution of Gene Regulatory Networks to Heritability of Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 73, 2946-2957	15.1	28
50	Opportunities and challenges for transcriptome-wide association studies. <i>Nature Genetics</i> , <b>2019</b> , 51, 592-599	36.3	266
49	PanglaoDB: a web server for exploration of mouse and human single-cell RNA sequencing data. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2019</b> , 2019,	5	236
48	EnsembleCNV: an ensemble machine learning algorithm to identify and genotype copy number variation using SNP array data. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, e39	20.1	10
47	Integrative analysis of loss-of-function variants in clinical and genomic data reveals novel genes associated with cardiovascular traits. <i>BMC Medical Genomics</i> , <b>2019</b> , 12, 108	3.7	5
46	Single-cell immune landscape of human atherosclerotic plaques. <i>Nature Medicine</i> , <b>2019</b> , 25, 1576-1588	50.5	247
45	Network analysis of coronary artery disease risk genes elucidates disease mechanisms and druggable targets. <i>Scientific Reports</i> , <b>2018</b> , 8, 3434	4.9	31
44	A Strategy for Discovery of Endocrine Interactions with Application to Whole-Body Metabolism. <i>Cell Metabolism</i> , <b>2018</b> , 27, 1138-1155.e6	24.6	30

43	Global analysis of A-to-I RNA editing reveals association with common disease variants. <i>PeerJ</i> , <b>2018</b> , 6, e4466	3.1	16
42	Multiancestry genome-wide association study of 520,000 subjects identifies 32 loci associated with stroke and stroke subtypes. <i>Nature Genetics</i> , <b>2018</b> , 50, 524-537	36.3	536
41	HDL and atherosclerotic cardiovascular disease: genetic insights into complex biology. <i>Nature Reviews Cardiology</i> , <b>2018</b> , 15, 9-19	14.8	65
40	Genetic regulation of the placental transcriptome underlies birth weight and risk of childhood obesity. <i>PLoS Genetics</i> , <b>2018</b> , 14, e1007799	6	13
39	Functional regulatory mechanism of smooth muscle cell-restricted LMOD1 coronary artery disease locus. <i>PLoS Genetics</i> , <b>2018</b> , 14, e1007755	6	15
38	GWAS and colocalization analyses implicate carotid intima-media thickness and carotid plaque loci in cardiovascular outcomes. <i>Nature Communications</i> , <b>2018</b> , 9, 5141	17.4	64
37	Genetic Susceptibility Loci for Cardiovascular Disease and Their Impact on Atherosclerotic Plaques. <i>Circulation Genomic and Precision Medicine</i> , <b>2018</b> , 11, e002115	5.2	11
36	Macrophage Trafficking, Inflammatory Resolution, and Genomics in Atherosclerosis: JACC Macrophage in CVD Series (Part 2). <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 72, 2181-2197	15.1	76
35	JCAD, a Gene at the 10p11 Coronary Artery Disease Locus, Regulates Hippo Signaling in Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2018</b> , 38, 1711-1722	9.4	19
34	CD90 Identifies Adventitial Mesenchymal Progenitor Cells in Adult Human Medium- and Large-Sized Arteries. <i>Stem Cell Reports</i> , <b>2018</b> , 11, 242-257	8	21
33	Poliovirus Receptor-Related 2: A Cholesterol-Responsive Gene Affecting Atherosclerosis Development by Modulating Leukocyte Migration. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2017</b> , 37, 534-542	9.4	15
32	Systematic Evaluation of Pleiotropy Identifies 6 Further Loci Associated With Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 69, 823-836	15.1	146
31	Functional Characterization of the Coronary Artery Disease Risk Locus. <i>Circulation</i> , <b>2017</b> , 136, 476-489	16.7	61
30	Meta-Analysis of Genome-Wide Association Studies for Abdominal Aortic Aneurysm Identifies Four New Disease-Specific Risk Loci. <i>Circulation Research</i> , <b>2017</b> , 120, 341-353	15.7	97
29	Large-Scale Identification of Common Trait and Disease Variants Affecting Gene Expression. <i>American Journal of Human Genetics</i> , <b>2017</b> , 100, 885-894	11	48
28	Carbonyl reductase 1 catalyzes 20 $\beta$ -reduction of glucocorticoids, modulating receptor activation and metabolic complications of obesity. <i>Scientific Reports</i> , <b>2017</b> , 7, 10633	4.9	11
27	Association analyses based on false discovery rate implicate new loci for coronary artery disease. <i>Nature Genetics</i> , <b>2017</b> , 49, 1385-1391	36.3	361
26	Enabling Precision Cardiology Through Multiscale Biology and Systems Medicine. <i>JACC Basic To Translational Science</i> , <b>2017</b> , 2, 311-327	8.7	42

25	Cardiometabolic risk loci share downstream cis- and trans-gene regulation across tissues and diseases. <i>Science</i> , <b>2016</b> , 353, 827-30	33.3	166
24	Integrative functional genomics identifies regulatory mechanisms at coronary artery disease loci. <i>Nature Communications</i> , <b>2016</b> , 7, 12092	17.4	70
23	Cross-Tissue Regulatory Gene Networks in Coronary Artery Disease. <i>Cell Systems</i> , <b>2016</b> , 2, 196-208	10.6	81
22	Preservation Analysis of Macrophage Gene Coexpression Between Human and Mouse Identifies PARK2 as a Genetically Controlled Master Regulator of Oxidative Phosphorylation in Humans. <i>G3: Genes, Genomes, Genetics</i> , <b>2016</b> , 6, 3361-3371	3.2	11
21	Genetics and Pharmacogenetics in Interventional Cardiology <b>2016</b> , 459-468		
20	Systematic analysis of chromatin interactions at disease associated loci links novel candidate genes to inflammatory bowel disease. <i>Genome Biology</i> , <b>2016</b> , 17, 247	18.3	28
19	Human Validation of Genes Associated With a Murine Atherosclerotic Phenotype. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2016</b> , 36, 1240-6	9.4	34
18	Genome-wide significant loci: how important are they? Systems genetics to understand heritability of coronary artery disease and other common complex disorders. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 65, 830-845	15.1	108
17	Prediction of Causal Candidate Genes in Coronary Artery Disease Loci. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2015</b> , 35, 2207-17	9.4	64
16	Expression quantitative trait Loci acting across multiple tissues are enriched in inherited risk for coronary artery disease. <i>Circulation: Cardiovascular Genetics</i> , <b>2015</b> , 8, 305-15		33
15	kruX: matrix-based non-parametric eQTL discovery. <i>BMC Bioinformatics</i> , <b>2014</b> , 15, 11	3.6	26
14	Lim domain binding 2: a key driver of transendothelial migration of leukocytes and atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 2068-77	9.4	12
13	Plasma cholesterol-induced lesion networks activated before regression of early, mature, and advanced atherosclerosis. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004201	6	38
12	Systems and genome-wide approaches unite to provide a route to personalized medicine. <i>Genome Medicine</i> , <b>2012</b> , 4, 29	14.4	1
11	NEW: network-enabled wisdom in biology, medicine, and health care. <i>Science Translational Medicine</i> , <b>2012</b> , 4, 115rv1	17.5	97
10	Carotid plaque age is a feature of plaque stability inversely related to levels of plasma insulin. <i>PLoS ONE</i> , <b>2011</b> , 6, e18248	3.7	15
9	Multi-organ expression profiling uncovers a gene module in coronary artery disease involving transendothelial migration of leukocytes and LIM domain binding 2: the Stockholm Atherosclerosis Gene Expression (STAGE) study. <i>PLoS Genetics</i> , <b>2009</b> , 5, e1000754	6	89
8	Transcriptional profiling uncovers a network of cholesterol-responsive atherosclerosis target genes. <i>PLoS Genetics</i> , <b>2008</b> , 4, e1000036	6	59

7	Dual roles of apolipoprotein CI in the formation of atherogenic remnants. <i>Current Atherosclerosis Reports</i> , <b>2006</b> , 8, 1-2	6	7
6	The low density lipoprotein receptor prevents secretion of dense apoB100-containing lipoproteins from the liver. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 831-6	5-4	45
5	Postprandial enrichment of remnant lipoproteins with apoC-I in healthy normolipidemic men with early asymptomatic atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2002</b> , 22, 1470-4	9-4	25
4	Integrative transcriptome imputation reveals tissue-specific and shared biological mechanisms mediating susceptibility to complex traits		1
3	Transcriptome-wide association studies: opportunities and challenges		12
2	Cis-epistasis at the LPA locus and risk of coronary artery disease		1
1	Discovery and systematic characterization of risk variants and genes for coronary artery disease in over a million participants		5