Sander W Van Der Laan

List of Publications by Year
in descending order

88	11,823	172457	76900
papers	citations	29 h-index	74 g-index

113	113	113	21306
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genetic studies of body mass index yield new insights for obesity biology. Nature, 2015, 518, 197-206.	27.8	3,823
2	Defining the role of common variation in the genomic and biological architecture of adult human height. Nature Genetics, 2014, 46, 1173-1186.	21.4	1,818
3	Multiancestry genome-wide association study of 520,000 subjects identifies 32 loci associated with stroke and stroke subtypes. Nature Genetics, 2018, 50, 524-537.	21.4	1,124
4	Genetic variants associated with subjective well-being, depressive symptoms, and neuroticism identified through genome-wide analyses. Nature Genetics, 2016, 48, 624-633.	21.4	870
5	Rare and low-frequency coding variants alter human adult height. Nature, 2017, 542, 186-190.	27.8	544
6	The power of genetic diversity in genome-wide association studies of lipids. Nature, 2021, 600, 675-679.	27.8	353
7	The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. PLoS Genetics, 2015, 11, e1005378.	3.5	331
8	Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. Nature Genetics, 2018, 50, 26-41.	21.4	286
9	Genome-wide analysis identifies 12 loci influencing human reproductive behavior. Nature Genetics, 2016, 48, 1462-1472.	21.4	284
10	Microanatomy of the Human Atherosclerotic Plaque by Single-Cell Transcriptomics. Circulation Research, 2020, 127, 1437-1455.	4.5	283
11	Directional dominance on stature and cognition inÂdiverse human populations. Nature, 2015, 523, 459-462.	27.8	173
12	Genome-wide meta-analysis of 241,258 adults accounting for smoking behaviour identifies novel loci for obesity traits. Nature Communications, 2017, 8, 14977.	12.8	169
13	GWAS and colocalization analyses implicate carotid intima-media thickness and carotid plaque loci in cardiovascular outcomes. Nature Communications, 2018, 9, 5141.	12.8	119
14	Cystatin C and Cardiovascular Disease. Journal of the American College of Cardiology, 2016, 68, 934-945.	2.8	109
15	Time-Dependent Changes in Atherosclerotic Plaque Composition in Patients Undergoing Carotid Surgery. Circulation, 2014, 129, 2269-2276.	1.6	96
16	Genetic loci associated with heart rate variability and their effects on cardiac disease risk. Nature Communications, 2017, 8, 15805.	12.8	95
17	Associations of autozygosity with a broad range of human phenotypes. Nature Communications, 2019, 10, 4957.	12.8	84
18	Loss of Y Chromosome in Blood Is Associated With Major Cardiovascular Events During Follow-Up in Men After Carotid Endarterectomy. Circulation: Cardiovascular Genetics, 2017, 10, e001544.	5.1	78

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19	Deficiency of the Stroke Relevant HDAC9 Gene Attenuates Atherosclerosis in Accord With Allele-Specific Effects at 7p21.1. Stroke, 2015, 46, 197-202.	2.0	73
20	Genetic Regulation of Atherosclerosis-Relevant Phenotypes in Human Vascular Smooth Muscle Cells. Circulation Research, 2020, 127, 1552-1565.	4.5	60
21	Gene-based meta-analysis of genome-wide association studies implicates new loci involved in obesity. Human Molecular Genetics, 2015, 24, 6849-6860.	2.9	55
22	Testosterone to oestradiol ratio reflects systemic and plaque inflammation and predicts future cardiovascular events in men with severe atherosclerosis. Cardiovascular Research, 2019, 115, 453-462.	3.8	48
23	Monocyte-Chemoattractant Protein-1 Levels in Human Atherosclerotic Lesions Associate With Plaque Vulnerability. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 2038-2048.	2.4	48
24	Common coding variant in SERPINA1 increases the risk for large artery stroke. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3613-3618.	7.1	46
25	Atmospheric transport and chemistry of trace gases in LMDz5B: evaluation and implications for inverse modelling. Geoscientific Model Development, 2015, 8, 129-150.	3.6	44
26	Human Validation of Genes Associated With a Murine Atherosclerotic Phenotype. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 1240-1246.	2.4	44
27	Network analysis of coronary artery disease risk genes elucidates disease mechanisms and druggable targets. Scientific Reports, 2018, 8, 3434.	3.3	43
28	Relative effects of LDL-C on ischemic stroke and coronary disease. Neurology, 2019, 92, e1176-e1187.	1.1	40
29	Serum magnesium and calcium levels in relation to ischemic stroke. Neurology, 2019, 92, e944-e950.	1.1	38
30	PCSK6 Is a Key Protease in the Control of Smooth Muscle Cell Function in Vascular Remodeling. Circulation Research, 2020, 126, 571-585.	4.5	38
31	Enhanced single-cell RNA-seq workflow reveals coronary artery disease cellular cross-talk and candidate drug targets. Atherosclerosis, 2022, 340, 12-22.	0.8	35
32	Meta-analysis of 49â€…549 individuals imputed with the 1000 Genomes Project reveals an exonic damaging variant inANGPTL4determining fasting TG levels. Journal of Medical Genetics, 2016, 53, 441-449.	3.2	34
33	Intersecting single-cell transcriptomics and genome-wide association studies identifies crucial cell populations and candidate genes for atherosclerosis. European Heart Journal Open, 2022, 2, oeab043.	2.3	34
34	Impact of Selection Bias on Estimation of Subsequent Event Risk. Circulation: Cardiovascular Genetics, 2017, 10, .	5.1	28
35	Functional investigation of the coronary artery disease gene SVEP1. Basic Research in Cardiology, 2020, 115, 67.	5.9	25
36	Smoking is Associated to DNA Methylation in Atherosclerotic Carotid Lesions. Circulation Genomic and Precision Medicine, 2018, 11, e002030.	3.6	23

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37	Variants in ALOX5, ALOX5AP and LTA4H are not associated with atherosclerotic plaque phenotypes: The Athero-Express Genomics Study. Atherosclerosis, 2015, 239, 528-538.	0.8	22
38	Association of Chromosome 9p21 With Subsequent Coronary Heart Disease Events. Circulation Genomic and Precision Medicine, 2019, 12, e002471.	3.6	22
39	Genetic Susceptibility Loci for Cardiovascular Disease and Their Impact on Atherosclerotic Plaques. Circulation Genomic and Precision Medicine, 2018, 11, e002115.	3.6	20
40	Impact of carotid atherosclerosis loci on cardiovascular events. Atherosclerosis, 2015, 243, 466-468.	0.8	18
41	Additional Candidate Genes for Human Atherosclerotic Disease Identified Through Annotation Based on Chromatin Organization. Circulation: Cardiovascular Genetics, 2017, 10, .	5.1	17
42	From lipid locus to drug target through human genomics. Cardiovascular Research, 2018, 114, 1258-1270.	3.8	17
43	Subsequent Event Risk in Individuals With Established Coronary Heart Disease. Circulation Genomic and Precision Medicine, 2019, 12, e002470.	3.6	17
44	Circulating CD14+CD16â˜' classical monocytes do not associate with a vulnerable plaque phenotype, and do not predict secondary events in severe atherosclerotic patients. Journal of Molecular and Cellular Cardiology, 2019, 127, 260-269.	1.9	16
45	Lack of association between connexin40 polymorphisms and coronary artery disease. Atherosclerosis, 2012, 222, 148-153.	0.8	14
46	The Applications of Single-Cell RNA Sequencing in Atherosclerotic Disease. Frontiers in Cardiovascular Medicine, 2022, 9, 826103.	2.4	14
47	Family history and polygenic risk of cardiovascular disease: Independent factors associated with secondary cardiovascular events in patients undergoing carotid endarterectomy. Atherosclerosis, 2020, 307, 121-129.	0.8	13
48	Alternate approach to stroke phenotyping identifies a genetic risk locus for small vessel stroke. European Journal of Human Genetics, 2020, 28, 963-972.	2.8	12
49	Multiâ€phenotype analyses of hemostatic traits with cardiovascular events reveal novel genetic associations. Journal of Thrombosis and Haemostasis, 2022, 20, 1331-1349.	3.8	12
50	Association of Factor V Leiden With Subsequent Atherothrombotic Events. Circulation, 2020, 142, 546-555.	1.6	11
51	Leukotriene B4 Levels in Human Atherosclerotic Plaques and Abdominal Aortic Aneurysms. PLoS ONE, 2014, 9, e86522.	2.5	11
52	Fine mapping the CETP region reveals a common intronic insertion associated to HDL-C. Npj Aging and Mechanisms of Disease, 2015, 1, 15011.	4.5	8
53	The hypoxia-sensor carbonic anhydrase IX affects macrophage metabolism, but is not a suitable biomarker for human cardiovascular disease. Scientific Reports, 2021, 11, 425.	3.3	7
54	Common variants associated with blood lipid levels do not affect carotid plaque composition. Atherosclerosis, 2015, 242, 351-356.	0.8	6

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55	Genetic variation within the Y chromosome is not associated with histological characteristics of the atherosclerotic carotid artery or aneurysmal wall. Atherosclerosis, 2017, 259, 114-119.	0.8	6
56	Impaired kidney function is associated with intraplaque hemorrhage in patients undergoing carotid endarterectomy. Atherosclerosis, 2017, 266, 128-135.	0.8	6
57	Platelet RNA modules point to coronary calcification in asymptomatic women with former preeclampsia. Atherosclerosis, 2019, 291, 114-121.	0.8	5
58	Microanatomy Of Advanced Human Atherosclerotic Plaques Through Single-Cell Transcriptomics. Atherosclerosis, 2019, 287, e5.	0.8	5
59	Genetic and clinical determinants of abdominal aortic diameter: genome-wide association studies, exome array data and Mendelian randomization study. Human Molecular Genetics, 2022, 31, 3566-3579.	2.9	5
60	PolarMorphism enables discovery of shared genetic variants across multiple traits from GWAS summary statistics. Bioinformatics, 2022, 38, i212-i219.	4.1	4
61	Polygenic Susceptibility of Aortic Aneurysms Associates to the Diameter of the Aneurysm Sac: the Aneurysm-Express Biobank Cohort. Scientific Reports, 2019, 9, 19844.	3.3	3
62	Common Genetic Variation in MC4R Does Not Affect Atherosclerotic Plaque Phenotypes and Cardiovascular Disease Outcomes. Journal of Clinical Medicine, 2021, 10, 932.	2.4	3
63	Common Variants Associated With OSMR Expression Contribute to Carotid Plaque Vulnerability, but Not to Cardiovascular Disease in Humans. Frontiers in Cardiovascular Medicine, 2021, 8, 658915.	2.4	3
64	Unfolding and disentangling coronary vascular disease through genome-wide association studies. European Heart Journal, 2021, 42, 934-937.	2.2	2
65	Exploring the causal inference of shear stress associated DNA methylation in carotid plaque on cardiovascular risk. Atherosclerosis, 2021, 325, 30-37.	0.8	2
66	Taking Risk Prediction to the Next Level. Advances in Biomarker Research for Atherosclerosis. Current Pharmaceutical Design, 2013, 19, 5929-5941.	1.9	2
67	Human Genetic Evidence that Common Variants near PIK3CG are Associated with Atherosclerotic Plaque Hemorrhage and Vessel Density. European Heart Journal, 2013, 34, 770-770.	2.2	1
68	Family History And Polygenic Risk Of Cardiovascular Disease Are Associated With A Worse Secondary Cardiovascular Outcome In Patients Undergoing Carotid Endarterectomy. Atherosclerosis, 2019, 287, e87.	0.8	1
69	A hybrid data harmonization workflow using word embeddings for the interlinking of heterogeneous cross-domain clinical data structures. , 2021, , .		1
70	A concise history of genome-wide association studies. Saudi Journal of Medicine and Medical Sciences, 2013, 1, 4.	0.8	1
71	Genetic variants associated with low-density lipoprotein cholesterol and systolic blood pressure and the risk of recurrent cardiovascular disease in patients with established vascular disease. Atherosclerosis, 2022, , .	0.8	1
72	Associations of Polymorphisms in the Peroxisome Proliferator-Activated Receptor Gamma Coactivator-1 Alpha Gene With Subsequent Coronary Heart Disease: An Individual-Level Meta-Analysis. Frontiers in Physiology, 0, 13, .	2.8	1

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73	Polygenic risk scores of lipid-spectra associate with increased risk of cardiovascular events in patients that underwent carotid endarterectomy. Atherosclerosis, 2014, 235, e224.	0.8	0
74	Human validation of genes associated with a murine atherosclerotic phenotype. Atherosclerosis, 2014, 237, e3.	0.8	0
75	Autosomal Sexual Dimorphism In Methylation Of Advanced Atherosclerotic Carotid Plaques. Atherosclerosis, 2019, 287, e66.	0.8	0
76	Mapping Genes To Cardiovascular Susceptibility Loci At A Single-Cell Resolution. Atherosclerosis, 2019, 287, e21.	0.8	0
77	Genetic Risk Loci For Aaa Are Associated With Inflammatory Biomarkers Within The Aneurysm-Express Biobank Study. Atherosclerosis, 2019, 287, e17.	0.8	0
78	Genetic Risk Locus for AAA is Associated with Inflammatory Biomarker Within The Aneurysm-express Biobank Study. European Journal of Vascular and Endovascular Surgery, 2019, 58, e435-e436.	1.5	0
79	Testosterone to Estradiol Ratio Reflects Systemic and Plaque Inflammation and Predicts Future Cardiovascular Events in Men After Carotid Endarterectomy. European Journal of Vascular and Endovascular Surgery, 2019, 58, e279-e280.	1.5	0
80	Single Cell Rna-Sequencing Identifies Numerous Cell Sub-Types And Suggests Lineage Plasticity In Human Atherosclerotic Plaques. Atherosclerosis, 2019, 287, e96-e97.	0.8	0
81	Abstract P771: Monocyte-Chemoattractant Protein-1 Levels in Human Carotid Atherosclerosis Associate With Hallmarks of Plaque Vulnerability. Stroke, 2021, 52, .	2.0	0
82	Hunt for the (Multi)-Marker Grail in the Diverse Landscape of Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 1789-1791.	2.4	0
83	Genome-wide age at onset analysis shows that genetic variation in the APOE locus is associated with earlier onset of ischemic stroke. Atherosclerosis, 2021, 331, e216.	0.8	0
84	Sex-dependent gene regulation of human atherosclerotic plaques by DNA methylation and transcriptome integration points to smooth muscle cell involvement in women.. Atherosclerosis, 2021, 331, e217.	0.8	0
85	Cardiovascular susceptibility LOCI through the lens of single-cells in plaques: Discovery of crucial cell populations and candidate genes for atherosclerosis.. Atherosclerosis, 2021, 331, e26.	0.8	0
86	Abstract 23: Identification of NCF4 as a Novel Regulator in Arterial Remodeling and Advanced Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, .	2.4	0
87	Tissue-Specific Alteration of Metabolic Pathways Influences Glycemic Regulation. SSRN Electronic Journal, 0, , .	0.4	0
88	Beyond GWAS in Atrial Fibrillation Genetics. Circulation Research, 2020, 126, 361-363.	4.5	0