

Gerard Pasterkamp

List of Publications by Year in descending order

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Version: 2024-02-01

212
papers

18,160
citations

44069

48
h-index

16650

123
g-index

220
all docs

220
docs citations

220
times ranked

30459
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic studies of body mass index yield new insights for obesity biology. <i>Nature</i> , 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. <i>Nature Genetics</i> , 2014, 46, 1173-1186.	21.4	1,818
3	Genetic variants associated with subjective well-being, depressive symptoms, and neuroticism identified through genome-wide analyses. <i>Nature Genetics</i> , 2016, 48, 624-633.	21.4	870
4	Extracellular vesicles for drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2016, 106, 148-156.	13.7	866
5	Low-density lipoproteins cause atherosclerotic cardiovascular disease: pathophysiological, genetic, and therapeutic insights: a consensus statement from the European Atherosclerosis Society Consensus Panel. <i>European Heart Journal</i> , 2020, 41, 2313-2330.	2.2	776
6	Rare and low-frequency coding variants alter human adult height. <i>Nature</i> , 2017, 542, 186-190.	27.8	544
7	Composition of Carotid Atherosclerotic Plaque Is Associated With Cardiovascular Outcome. <i>Circulation</i> , 2010, 121, 1941-1950.	1.6	380
8	Characterization of Plaque Components With Intravascular Ultrasound Elastography in Human Femoral and Coronary Arteries In Vitro. <i>Circulation</i> , 2000, 102, 617-623.	1.6	372
9	The power of genetic diversity in genome-wide association studies of lipids. <i>Nature</i> , 2021, 600, 675-679.	27.8	353
10	The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. <i>PLoS Genetics</i> , 2015, 11, e1005378.	3.5	331
11	Intraplaque haemorrhages as the trigger of plaque vulnerability. <i>European Heart Journal</i> , 2011, 32, 1977-1985.	2.2	298
12	Reassessing the Mechanisms of Acute Coronary Syndromes. <i>Circulation Research</i> , 2019, 124, 150-160.	4.5	290
13	Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. <i>Nature Genetics</i> , 2018, 50, 26-41.	21.4	286
14	Microanatomy of the Human Atherosclerotic Plaque by Single-Cell Transcriptomics. <i>Circulation Research</i> , 2020, 127, 1437-1455.	4.5	283
15	High Neutrophil Numbers in Human Carotid Atherosclerotic Plaques Are Associated With Characteristics of Rupture-Prone Lesions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 1842-1848.	2.4	239
16	Paradoxical Arterial Wall Shrinkage May Contribute to Luminal Narrowing of Human Atherosclerotic Femoral Arteries. <i>Circulation</i> , 1995, 91, 1444-1449.	1.6	231
17	Requiem for the "vulnerable plaque". <i>European Heart Journal</i> , 2015, 36, ehv349.	2.2	224
18	The selective NLRP3-inflammasome inhibitor MCC950 reduces infarct size and preserves cardiac function in a pig model of myocardial infarction. <i>European Heart Journal</i> , 2017, 38, ehw247.	2.2	222

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19	Stem Cell Pluripotency Genes Klf4 and Oct4 Regulate Complex SMC Phenotypic Changes Critical in Late-Stage Atherosclerotic Lesion Pathogenesis. <i>Circulation</i> , 2020, 142, 2045-2059.	1.6	221
20	Athero-express: Differential atherosclerotic plaque expression of mRNA and protein in relation to cardiovascular events and patient characteristics. Rationale and design. <i>European Journal of Epidemiology</i> , 2004, 19, 1127-1133.	5.7	193
21	Novel methodologies for biomarker discovery in atherosclerosis. <i>European Heart Journal</i> , 2015, 36, 2635-2642.	2.2	174
22	Directional dominance on stature and cognition in diverse human populations. <i>Nature</i> , 2015, 523, 459-462.	27.8	173
23	Genome-wide meta-analysis of 241,258 adults accounting for smoking behaviour identifies novel loci for obesity traits. <i>Nature Communications</i> , 2017, 8, 14977.	12.8	169
24	Exercise reduces inflammatory cell production and cardiovascular inflammation via instruction of hematopoietic progenitor cells. <i>Nature Medicine</i> , 2019, 25, 1761-1771.	30.7	157
25	Plasmin is a natural trigger for bradykinin production in patients with hereditary angioedema with factor XII mutations. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 1414-1423.e9.	2.9	146
26	Race/Ethnic Differences in the Associations of the Framingham Risk Factors with Carotid IMT and Cardiovascular Events. <i>PLoS ONE</i> , 2015, 10, e0132321.	2.5	141
27	Temporal shifts in clinical presentation and underlying mechanisms of atherosclerotic disease. <i>Nature Reviews Cardiology</i> , 2017, 14, 21-29.	13.7	131
28	Carotid atherosclerotic plaques in patients with transient ischemic attacks and stroke have unstable characteristics compared with plaques in asymptomatic and amaurosis fugax patients. <i>Journal of Vascular Surgery</i> , 2005, 42, 1075-1081.	1.1	126
29	Symptomatic Carotid Atherosclerotic Disease. <i>Stroke</i> , 2015, 46, 182-189.	2.0	114
30	Expansive Arterial Remodeling: Location, Location, Location. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004, 24, 650-657.	2.4	113
31	Cystatin C and Cardiovascular Disease. <i>Journal of the American College of Cardiology</i> , 2016, 68, 934-945.	2.8	109
32	The Multifaceted Functions of CXCL10 in Cardiovascular Disease. <i>BioMed Research International</i> , 2014, 2014, 1-11.	1.9	105
33	MicroRNA-100 Suppresses Chronic Vascular Inflammation by Stimulation of Endothelial Autophagy. <i>Circulation Research</i> , 2018, 122, 417-432.	4.5	100
34	Time-Dependent Changes in Atherosclerotic Plaque Composition in Patients Undergoing Carotid Surgery. <i>Circulation</i> , 2014, 129, 2269-2276.	1.6	96
35	Relations between lipoprotein(a) concentrations, LPA genetic variants, and the risk of mortality in patients with established coronary heart disease: a molecular and genetic association study. <i>Lancet Diabetes and Endocrinology</i> , 2017, 5, 534-543.	11.4	84
36	BiomarCaRE: rationale and design of the European BiomarCaRE project including 300,000 participants from 13 European countries. <i>European Journal of Epidemiology</i> , 2014, 29, 777-790.	5.7	83

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37	Clonally expanding smooth muscle cells promote atherosclerosis by escaping efferocytosis and activating the complement cascade. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15818-15826.	7.1	83
38	Atherosclerotic Plaque Vulnerability as an Explanation for the Increased Risk of Stroke in Elderly Undergoing Carotid Artery Stenting. Stroke, 2011, 42, 2550-2555.	2.0	79
39	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
40	Intraobserver and interobserver variability and spatial differences in histologic examination of carotid endarterectomy specimens. Journal of Vascular Surgery, 2007, 46, 1147-1154.	1.1	75
41	Deficiency of the Stroke Relevant <i>HDAC9</i> Gene Attenuates Atherosclerosis in Accord With Allele-Specific Effects at 7p21.1. Stroke, 2015, 46, 197-202.	2.0	73
42	Plaque burden, arterial remodeling and plaque vulnerability: determined by systemic factors?. Journal of the American College of Cardiology, 2001, 38, 718-723.	2.8	66
43	Collagenase matrix metalloproteinase-8 expressed in atherosclerotic carotid plaques is associated with systemic cardiovascular outcome. European Heart Journal, 2011, 32, 2314-2325.	2.2	65
44	Histological Characterization of Restenotic Carotid Plaques in Relation to Recurrence Interval and Clinical Presentation. Stroke, 2008, 39, 1029-1032.	2.0	64
45	B Cell-Activating Factor Neutralization Aggravates Atherosclerosis. Circulation, 2018, 138, 2263-2273.	1.6	64
46	Sex-Stratified Gene Regulatory Networks Reveal Female Key Driver Genes of Atherosclerosis Involved in Smooth Muscle Cell Phenotype Switching. Circulation, 2021, 143, 713-726.	1.6	61
47	Genetic Regulation of Atherosclerosis-Relevant Phenotypes in Human Vascular Smooth Muscle Cells. Circulation Research, 2020, 127, 1552-1565.	4.5	60
48	Sex Is Associated With the Presence of Atherosclerotic Plaque Hemorrhage and Modifies the Relation Between Plaque Hemorrhage and Cardiovascular Outcome. Stroke, 2013, 44, 3318-3323.	2.0	59
49	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
50	Sex-Specific Epidemiology of Heart Failure Risk and Mortality in Europe. JACC: Heart Failure, 2019, 7, 204-213.	4.1	54
51	Methods of accelerated atherosclerosis in diabetic patients. Heart, 2013, 99, 743-749.	2.9	51
52	Validation of Noninvasive In Vivo Compound Ultrasound Strain Imaging Using Histologic Plaque Vulnerability Features. Stroke, 2016, 47, 2770-2775.	2.0	49
53	Targeting danger-associated molecular patterns after myocardial infarction. Expert Opinion on Therapeutic Targets, 2016, 20, 223-239.	3.4	48
54	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

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55	Monocyte-Chemoattractant Protein-1 Levels in Human Atherosclerotic Lesions Associate With Plaque Vulnerability. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 2038-2048.	2.4	48
56	Rapid and reproducible characterization of sickling during automated deoxygenation in sickle cell disease patients. <i>American Journal of Hematology</i> , 2019, 94, 575-584.	4.1	47
57	Gender differences in health-related quality of life in patients undergoing coronary angiography. <i>Open Heart</i> , 2015, 2, e000231.	2.3	46
58	Common coding variant in <i>SERPINA1</i> increases the risk for large artery stroke. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3613-3618.	7.1	46
59	Different stages of intraplaque hemorrhage are associated with different plaque phenotypes: A large histopathological study in 794 carotid and 276 femoral endarterectomy specimens. <i>Atherosclerosis</i> , 2011, 218, 369-377.	0.8	45
60	AG-348 (Mitapivat), an allosteric activator of red blood cell pyruvate kinase, increases enzymatic activity, protein stability, and ATP levels over a broad range of PKLR genotypes. <i>Haematologica</i> , 2020, 106, 238-249.	3.5	45
61	Human Validation of Genes Associated With a Murine Atherosclerotic Phenotype. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 1240-1246.	2.4	44
62	Network analysis of coronary artery disease risk genes elucidates disease mechanisms and druggable targets. <i>Scientific Reports</i> , 2018, 8, 3434.	3.3	43
63	Prosaposin mediates inflammation in atherosclerosis. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	42
64	Leucocyte expression of complement C5a receptors exacerbates infarct size after myocardial reperfusion injury. <i>Cardiovascular Research</i> , 2014, 103, 521-529.	3.8	41
65	Intrinsic transcriptomic sex differences in human endothelial cells at birth and in adults are associated with coronary artery disease targets. <i>Scientific Reports</i> , 2020, 10, 12367.	3.3	39
66	PCSK6 Is a Key Protease in the Control of Smooth Muscle Cell Function in Vascular Remodeling. <i>Circulation Research</i> , 2020, 126, 571-585.	4.5	38
67	APRIL limits atherosclerosis by binding to heparan sulfate proteoglycans. <i>Nature</i> , 2021, 597, 92-96.	27.8	38
68	Clinical Prediction Rule to Estimate the Absolute 3-Year Risk of Major Cardiovascular Events After Carotid Endarterectomy. <i>Stroke</i> , 2012, 43, 1273-1278.	2.0	37
69	The transverse aortic constriction heart failure animal model: a systematic review and meta-analysis. <i>Heart Failure Reviews</i> , 2021, 26, 1515-1524.	3.9	36
70	Enhanced single-cell RNA-seq workflow reveals coronary artery disease cellular cross-talk and candidate drug targets. <i>Atherosclerosis</i> , 2022, 340, 12-22.	0.8	35
71	Meta-analysis of 49â€¦549 individuals imputed with the 1000 Genomes Project reveals an exonic damaging variant in <i>ANGPTL4</i> determining fasting TG levels. <i>Journal of Medical Genetics</i> , 2016, 53, 441-449.	3.2	34
72	Cleaved kininogen as a biomarker for bradykinin release in hereditary angioedema. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 1700-1703.e8.	2.9	34

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73	Intersecting single-cell transcriptomics and genome-wide association studies identifies crucial cell populations and candidate genes for atherosclerosis. <i>European Heart Journal Open</i> , 2022, 2, oeab043.	2.3	34
74	Sex matters to the heart: A special issue dedicated to the impact of sex related differences of cardiovascular diseases. <i>Atherosclerosis</i> , 2015, 241, 205-207.	0.8	32
75	Effect of Monocyte-to-Lymphocyte Ratio on Heart Failure Characteristics and Hospitalizations in a Coronary Angiography Cohort. <i>American Journal of Cardiology</i> , 2017, 120, 911-916.	1.6	32
76	Vascular neuropeptide Y contributes to atherosclerotic plaque progression and perivascular mast cell activation. <i>Atherosclerosis</i> , 2014, 235, 196-203.	0.8	31
77	Myocardial Infarction and Functional Outcome Assessment in Pigs. <i>Journal of Visualized Experiments</i> , 2014, , .	0.3	31
78	Translational failure of anti-inflammatory compounds for myocardial infarction: a meta-analysis of large animal models. <i>Cardiovascular Research</i> , 2016, 109, 240-248.	3.8	31
79	Intracoronary Infusion of Encapsulated Glucagon-Like Peptide-1â€“Eluting Mesenchymal Stem Cells Preserves Left Ventricular Function in a Porcine Model of Acute Myocardial Infarction. <i>Circulation: Cardiovascular Interventions</i> , 2014, 7, 673-683.	3.9	30
80	Growth Differentiation Factor 15 Is Associated With Major Amputation and Mortality in Patients With Peripheral Artery Disease. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	29
81	Preeclampsia and coronary plaque erosion: Manifestations of endothelial dysfunction resulting in cardiovascular events in women. <i>European Journal of Pharmacology</i> , 2017, 816, 129-137.	3.5	29
82	Protective role of chaperone-mediated autophagy against atherosclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2121133119.	7.1	29
83	Ethnicity Modifies Associations between Cardiovascular Risk Factors and Disease Severity in Parallel Dutch and Singapore Coronary Cohorts. <i>PLoS ONE</i> , 2015, 10, e0132278.	2.5	28
84	Histological Analysis of Extracranial Carotid Artery Aneurysms. <i>PLoS ONE</i> , 2015, 10, e0117915.	2.5	27
85	Sexâ€“Based Differences in the Performance of the HEART Score in Patients Presenting to the Emergency Department With Acute Chest Pain. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	27
86	A potential role for glycated cross-links in abdominal aortic aneurysm disease. <i>Journal of Vascular Surgery</i> , 2017, 65, 1493-1503.e3.	1.1	27
87	Pleiotropic effects of statins in atherosclerotic disease. <i>Expert Review of Cardiovascular Therapy</i> , 2010, 8, 1235-1237.	1.5	26
88	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
89	SlideToolkit: An Assistive Toolset for the Histological Quantification of Whole Slide Images. <i>PLoS ONE</i> , 2014, 9, e110289.	2.5	23
90	Smoking is Associated to DNA Methylation in Atherosclerotic Carotid Lesions. <i>Circulation Genomic and Precision Medicine</i> , 2018, 11, e002030.	3.6	23

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91	Variants in ALOX5, ALOX5AP and LTA4H are not associated with atherosclerotic plaque phenotypes: The Athero-Express Genomics Study. <i>Atherosclerosis</i> , 2015, 239, 528-538.	0.8	22
92	Routinely analyzed leukocyte characteristics improve prediction of mortality after coronary angiography. <i>European Journal of Preventive Cardiology</i> , 2016, 23, 1211-1220.	1.8	22
93	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
94	Association of Chromosome 9p21 With Subsequent Coronary Heart Disease Events. <i>Circulation Genomic and Precision Medicine</i> , 2019, 12, e002471.	3.6	22
95	Shifting abdominal aortic aneurysm mortality trends in The Netherlands. <i>Journal of Vascular Surgery</i> , 2015, 61, 642-647.e2.	1.1	21
96	Severity of stable coronary artery disease and its biomarkers differ between men and women undergoing angiography. <i>Atherosclerosis</i> , 2015, 241, 234-240.	0.8	20
97	Genetic Susceptibility Loci for Cardiovascular Disease and Their Impact on Atherosclerotic Plaques. <i>Circulation Genomic and Precision Medicine</i> , 2018, 11, e002115.	3.6	20
98	Design and characterization of α 1-antitrypsin variants for treatment of contact system-driven thromboinflammation. <i>Blood</i> , 2019, 134, 1658-1669.	1.4	20
99	H3K27ac acetyloyme signatures reveal the epigenomic reorganization in remodeled non-failing human hearts. <i>Clinical Epigenetics</i> , 2020, 12, 106.	4.1	20
100	Type 2 diabetes is not associated with an altered plaque phenotype among patients undergoing carotid revascularization. A histological analysis of 1455 carotid plaques. <i>Atherosclerosis</i> , 2014, 235, 418-423.	0.8	19
101	BLT1 antagonist LSN2792613 reduces infarct size in a mouse model of myocardial ischaemia-reperfusion injury. <i>Cardiovascular Research</i> , 2015, 108, 367-376.	3.8	19
102	Atheroprotective properties of human Omentin-1 in experimental atherosclerosis. <i>Cardiovascular Research</i> , 2016, 110, 1-3.	3.8	19
103	Patients with diabetes differ in atherosclerotic plaque characteristics and have worse clinical outcome after iliofemoral endarterectomy compared with patients without diabetes. <i>Journal of Vascular Surgery</i> , 2017, 65, 414-421.e5.	1.1	19
104	Impact of carotid atherosclerosis loci on cardiovascular events. <i>Atherosclerosis</i> , 2015, 243, 466-468.	0.8	18
105	Uniform data collection in routine clinical practice in cardiovascular patients for optimal care, quality control and research: The Utrecht Cardiovascular Cohort. <i>European Journal of Preventive Cardiology</i> , 2017, 24, 840-847.	1.8	18
106	Subsequent Event Risk in Individuals With Established Coronary Heart Disease. <i>Circulation Genomic and Precision Medicine</i> , 2019, 12, e002470.	3.6	17
107	Differential adipokine receptor expression on circulating leukocyte subsets in lean and obese children. <i>PLoS ONE</i> , 2017, 12, e0187068.	2.5	17
108	Dynamic changes in chromatin accessibility are associated with the atherogenic transitioning of vascular smooth muscle cells. <i>Cardiovascular Research</i> , 2022, 118, 2792-2804.	3.8	17

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109	Cardiorenal disease connection during post-menopause: The protective role of estrogen in uremic toxins induced microvascular dysfunction. <i>International Journal of Cardiology</i> , 2017, 238, 22-30.	1.7	16
110	Matrix Gla Protein, Plaque Stability, and Cardiovascular Events in Patients with Severe Atherosclerotic Disease. <i>Cardiology</i> , 2018, 141, 32-36.	1.4	16
111	Circulating CD14 ⁺ CD16 ⁺ classical monocytes do not associate with a vulnerable plaque phenotype, and do not predict secondary events in severe atherosclerotic patients. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 127, 260-269.	1.9	16
112	Flow cytometric mepacrine fluorescence can be used for the exclusion of platelet dense granule deficiency. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 706-713.	3.8	16
113	Elevated Lp(a) (Lipoprotein[a]) Levels Increase Risk of 30-Day Major Adverse Cardiovascular Events in Patients Following Carotid Endarterectomy. <i>Stroke</i> , 2020, 51, 2972-2982.	2.0	16
114	The use of platelet reactivity testing in patients on antiplatelet therapy for prediction of bleeding events after cardiac surgery. <i>Vascular Pharmacology</i> , 2016, 77, 19-27.	2.1	15
115	Keeping von Willebrand Factor under Control: Alternatives for ADAMTS13. <i>Seminars in Thrombosis and Hemostasis</i> , 2016, 42, 009-017.	2.7	15
116	Leukocyte TLR5 deficiency inhibits atherosclerosis by reduced macrophage recruitment and defective T-cell responsiveness. <i>Scientific Reports</i> , 2017, 7, 42688.	3.3	15
117	Inflammatory cytokine oncostatin M induces endothelial activation in macro- and microvascular endothelial cells and in APOE*3Leiden.CETP mice. <i>PLoS ONE</i> , 2018, 13, e0204911.	2.5	15
118	The age- and sex-specific composition of atherosclerotic plaques in vascular surgery patients. <i>Atherosclerosis</i> , 2020, 310, 1-10.	0.8	15
119	Circulating Immunoglobulins Are Not Associated with Intraplaque Mast Cell Number and Other Vulnerable Plaque Characteristics in Patients with Carotid Artery Stenosis. <i>PLoS ONE</i> , 2014, 9, e88984.	2.5	15
120	Atherosclerotic risk factors and atherosclerotic postoperative events are associated with low inflammation in abdominal aortic aneurysms. <i>Atherosclerosis</i> , 2014, 235, 632-641.	0.8	14
121	Lost in the citation valley. <i>Nature Biotechnology</i> , 2016, 34, 1016-1018.	17.5	14
122	A single preoperative blood test predicts postoperative sepsis and pneumonia after coronary bypass or open aneurysm surgery. <i>European Journal of Clinical Investigation</i> , 2019, 49, e13055.	3.4	14
123	Small molecule-mediated inhibition of CD40-TRAF6 reduces adverse cardiac remodelling in pressure overload induced heart failure. <i>International Journal of Cardiology</i> , 2019, 279, 141-144.	1.7	14
124	Sclerostin Downregulation Globally by Naturally Occurring Genetic Variants, or Locally in Atherosclerotic Plaques, Does Not Associate With Cardiovascular Events in Humans. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 1326-1339.	2.8	14
125	The Applications of Single-Cell RNA Sequencing in Atherosclerotic Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 826103.	2.4	14
126	Inter-Ethnic Differences in Quantified Coronary Artery Disease Severity and All-Cause Mortality among Dutch and Singaporean Percutaneous Coronary Intervention Patients. <i>PLoS ONE</i> , 2015, 10, e0131977.	2.5	13

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127	Family history and polygenic risk of cardiovascular disease: Independent factors associated with secondary cardiovascular events in patients undergoing carotid endarterectomy. <i>Atherosclerosis</i> , 2020, 307, 121-129.	0.8	13
128	Primary Outcome Assessment in a Pig Model of Acute Myocardial Infarction. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	12
129	A new nonocclusive laser-assisted coronary anastomotic connector in a rabbit model. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013, 145, 1124-1129.	0.8	11
130	High Reproducibility of Histological Characterization by Whole Virtual Slide Quantification; An Example Using Carotid Plaque Specimens. <i>PLoS ONE</i> , 2014, 9, e115907.	2.5	11
131	The nonocclusive laser-assisted coronary anastomotic connector in an off-pump porcine bypass model. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 147, 1390-1397.e2.	0.8	11
132	Invasive surgery reduces infarct size and preserves cardiac function in a porcine model of myocardial infarction. <i>Journal of Cellular and Molecular Medicine</i> , 2015, 19, 2655-2663.	3.6	11
133	Temporal relations between atrial fibrillation and ischaemic stroke and their prognostic impact on mortality. <i>Europace</i> , 2020, 22, 522-529.	1.7	11
134	Automated calcium scores collected during myocardial perfusion imaging improve identification of obstructive coronary artery disease. <i>IJC Heart and Vasculature</i> , 2020, 26, 100434.	1.1	11
135	Association of Factor V Leiden With Subsequent Atherothrombotic Events. <i>Circulation</i> , 2020, 142, 546-555.	1.6	11
136	Sex differences in flow cytometry-based platelet reactivity in stable outpatients suspected of myocardial ischemia. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2020, 4, 879-885.	2.3	11
137	Sex-dependent gene co-expression in the human body. <i>Scientific Reports</i> , 2021, 11, 18758.	3.3	11
138	Leukotriene B4 Levels in Human Atherosclerotic Plaques and Abdominal Aortic Aneurysms. <i>PLoS ONE</i> , 2014, 9, e86522.	2.5	11
139	MicroRNAs. <i>Circulation Research</i> , 2017, 120, 5-7.	4.5	10
140	HEART score performance in Asian and Caucasian patients presenting to the emergency department with suspected acute coronary syndrome. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2018, 7, 591-601.	1.0	10
141	A Pro-Inflammatory Biomarker-Profile Predicts Amputation-Free Survival in Patients with Severe Limb Ischemia. <i>Scientific Reports</i> , 2019, 9, 10740.	3.3	10
142	Oncostatin M reduces atherosclerosis development in APOE*3Leiden.CETP mice and is associated with increased survival probability in humans. <i>PLoS ONE</i> , 2019, 14, e0221477.	2.5	10
143	Cerebral Small Vessel Disease in Standard Pre-operative Imaging Reports Is Independently Associated with Increased Risk of Cardiovascular Death Following Carotid Endarterectomy. <i>European Journal of Vascular and Endovascular Surgery</i> , 2020, 59, 872-880.	1.5	10
144	High levels of osteoprotegerin are associated with coronary artery calcification in patients suspected of a chronic coronary syndrome. <i>Scientific Reports</i> , 2021, 11, 18946.	3.3	10

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145	Popliteal artery aneurysms differ from abdominal aortic aneurysms in cellular topography and inflammatory markers. <i>Journal of Vascular Surgery</i> , 2014, 60, 1514-1519.	1.1	9
146	Time-dependent differences in femoral artery plaque characteristics of peripheral arterial disease patients. <i>Atherosclerosis</i> , 2016, 255, 66-72.	0.8	9
147	The prognostic value of automated coronary calcium derived by a deep learning approach on non-ECG gated CT images from 82Rb-PET/CT myocardial perfusion imaging. <i>International Journal of Cardiology</i> , 2021, 329, 9-15.	1.7	9
148	Hematological Parameters Outperform Plasma Markers in Predicting Long-Term Mortality After Coronary Angiography. <i>Angiology</i> , 2018, 69, 600-608.	1.8	9
149	False Utopia of One Unifying Description of the Vulnerable Atherosclerotic Plaque: A Call for Recalibration That Appreciates the Diversity of Mechanisms Leading to Atherosclerotic Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022, 42, ATVBAHA121316693.	2.4	9
150	Fine mapping the CETP region reveals a common intronic insertion associated to HDL-C. <i>Npj Aging and Mechanisms of Disease</i> , 2015, 1, 15011.	4.5	8
151	Leukocyte-Associated Immunoglobulin-like Receptor-1 is regulated in human myocardial infarction but its absence does not affect infarct size in mice. <i>Scientific Reports</i> , 2017, 7, 18039.	3.3	8
152	Discovery of biomarkers for the presence and progression of left ventricular diastolic dysfunction and HEart faiLure with Preserved ejection Fraction in patients at risk for cardiovascular disease: rationale and design of the HELPFul case-cohort study in a Dutch cardiology outpatient clinic. <i>BMJ Open</i> , 2019, 9, e028408.	1.9	8
153	Ceramides and phospholipids in plasma extracellular vesicles are associated with high risk of major cardiovascular events after carotid endarterectomy. <i>Scientific Reports</i> , 2022, 12, 5521.	3.3	8
154	Health-related quality of life is poor but does not vary with cardiovascular disease burden among patients operated for severe atherosclerotic disease. <i>International Journal of Cardiology Heart & Vessels</i> , 2014, 4, 53-58.	0.5	7
155	Adiponectin Regulation in Cardiovascular Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2180-2181.	2.4	7
156	The impact of female sex on long-term survival of patients with severe atherosclerosis undergoing endarterectomy. <i>Atherosclerosis</i> , 2014, 237, 521-527.	0.8	7
157	Cardiac Function in a Long-Term Follow-Up Study of Moderate and Severe Porcine Model of Chronic Myocardial Infarction. <i>BioMed Research International</i> , 2015, 2015, 1-11.	1.9	7
158	Ethnic differences in clinical outcome of patients presenting to the emergency department with chest pain. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2016, 5, 32-40.	1.0	7
159	Live-cell Imaging of Platelet Degranulation and Secretion Under Flow. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	7
160	Atherosclerotic plaque characteristics are not associated with future cardiovascular events in patients undergoing iliofemoral endarterectomy. <i>Journal of Vascular Surgery</i> , 2018, 67, 809-816.e1.	1.1	7
161	Preoperative hypertension is associated with atherosclerotic intraplaque hemorrhage in patients undergoing carotid endarterectomy. <i>Atherosclerosis</i> , 2019, 290, 214-221.	0.8	7
162	Validation of randomized controlled trial-derived models for the prediction of postintervention outcomes in chronic limb-threatening ischemia. <i>Journal of Vascular Surgery</i> , 2020, 71, 869-879.	1.1	7

#	ARTICLE	IF	CITATIONS
163	The TAXINOMISIS Project: A multidisciplinary approach for the development of a new risk stratification model for patients with asymptomatic carotid artery stenosis. <i>European Journal of Clinical Investigation</i> , 2020, 50, e13411.	3.4	7
164	Preventing unnecessary imaging in patients suspect of coronary artery disease through machine learning of electronic health records. <i>European Heart Journal Digital Health</i> , 2022, 3, 11-19.	1.7	7
165	Increased Platelet Reactivity Is Associated with Circulating Platelet-Monocyte Complexes and Macrophages in Human Atherosclerotic Plaques. <i>PLoS ONE</i> , 2014, 9, e105019.	2.5	6
166	A lipid-poor plaque and asymptomatic status in women are associated with higher peak systolic velocity on duplex ultrasound after carotid endarterectomy. <i>Atherosclerosis</i> , 2014, 237, 677-683.	0.8	6
167	Genetic variation within the Y chromosome is not associated with histological characteristics of the atherosclerotic carotid artery or aneurysmal wall. <i>Atherosclerosis</i> , 2017, 259, 114-119.	0.8	6
168	Impaired kidney function is associated with intraplaque hemorrhage in patients undergoing carotid endarterectomy. <i>Atherosclerosis</i> , 2017, 266, 128-135.	0.8	6
169	Immune regulatory cells: circulating biomarker factories in cardiovascular disease. <i>Clinical Science</i> , 2008, 115, 129-131.	4.3	5
170	The Relationship between Fractional Flow Reserve, Platelet Reactivity and Platelet Leukocyte Complexes in Stable Coronary Artery Disease. <i>PLoS ONE</i> , 2013, 8, e83198.	2.5	5
171	Radiofrequency Ablation of the Atherosclerotic Plaque: a Proof of Concept Study in an Atherosclerotic Model. <i>Journal of Cardiovascular Translational Research</i> , 2017, 10, 221-232.	2.4	5
172	The Microvasculature. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 10-12.	2.4	5
173	Flexible mechanoprosthesis made from woven ultra-high-molecular-weight polyethylene fibres: proof of concept in a chronic sheep model. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2017, 25, 942-949.	1.1	5
174	Platelet RNA modules point to coronary calcification in asymptomatic women with former preeclampsia. <i>Atherosclerosis</i> , 2019, 291, 114-121.	0.8	5
175	Circulating Neutrophils Do Not Predict Subclinical Coronary Artery Disease in Women with Former Preeclampsia. <i>Cells</i> , 2020, 9, 468.	4.1	5
176	Persistent Symptoms and Health Needs of Women and Men With Non-Obstructed Coronary Arteries in the Years Following Coronary Angiography. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 670843.	2.4	5
177	Pre-Operative Plasma Extracellular Vesicle Proteins are Associated with a High Risk of Long Term Secondary Major Cardiovascular Events in Patients Undergoing Carotid Endarterectomy. <i>European Journal of Vascular and Endovascular Surgery</i> , 2021, 62, 705-715.	1.5	5
178	Evaluation of a Novel Laser-assisted Coronary Anastomotic Connector - the Trinity Clip - in a Porcine Off-pump Bypass Model. <i>Journal of Visualized Experiments</i> , 2014, , e52127.	0.3	4
179	Women Undergoing Coronary Angiography for Myocardial Infarction or Who Present With Multivessel Disease Have a Poorer Prognosis Than Men. <i>Angiology</i> , 2016, 67, 571-581.	1.8	4
180	A head-to-head comparison of conjugation methods for VHHs: Random maleimide-thiol coupling versus controlled click chemistry. <i>International Journal of Pharmaceutics: X</i> , 2019, 1, 100020.	1.6	4

#	ARTICLE	IF	CITATIONS
181	Cardiovascular imaging of women and men visiting the outpatient clinic with chest pain or discomfort: design and rationale of the ARGUS Study. <i>BMJ Open</i> , 2020, 10, e040712.	1.9	4
182	Mast Cell Distribution in Human Carotid Atherosclerotic Plaque Differs Significantly by Histological Segment. <i>European Journal of Vascular and Endovascular Surgery</i> , 2021, 62, 808-815.	1.5	4
183	The changing landscape of the vulnerable plaque: a call for fine-tuning of preclinical models. <i>Vascular Pharmacology</i> , 2021, 141, 106924.	2.1	4
184	Bovine Intestinal Alkaline Phosphatase Reduces Inflammation After Induction of Acute Myocardial Infarction in Mice. <i>Cardiology Research</i> , 2011, 2, 236-242.	1.1	4
185	Adherence of <i>Staphylococcus aureus</i> to Dyneema Purity [®] Patches and to Clinically Used Cardiovascular Prostheses. <i>PLoS ONE</i> , 2016, 11, e0162216.	2.5	3
186	Health-related quality of life and outcome in atherosclerosis – Does sex matter?. <i>International Journal of Cardiology</i> , 2016, 212, 303-306.	1.7	3
187	The Effect of Metabolic Syndrome on the Occurrence of Restenosis After Carotid Endarterectomy. <i>European Journal of Vascular and Endovascular Surgery</i> , 2019, 58, 805-812.	1.5	3
188	Polygenic Susceptibility of Aortic Aneurysms Associates to the Diameter of the Aneurysm Sac: the Aneurysm-Express Biobank Cohort. <i>Scientific Reports</i> , 2019, 9, 19844.	3.3	3
189	Common Genetic Variation in MC4R Does Not Affect Atherosclerotic Plaque Phenotypes and Cardiovascular Disease Outcomes. <i>Journal of Clinical Medicine</i> , 2021, 10, 932.	2.4	3
190	Preclinical Feasibility and Patency Analyses of a New Distal Coronary Connector: The ELANA Heart Bypass. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2021, 16, 163-168.	0.9	3
191	Common Variants Associated With OSMR Expression Contribute to Carotid Plaque Vulnerability, but Not to Cardiovascular Disease in Humans. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 658915.	2.4	3
192	Plasma Testosterone Levels and Atherosclerotic Plaque Gene Expression in Men With Advanced Atherosclerosis. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 693351.	2.4	3
193	Early lumen diameter loss after percutaneous transluminal coronary angioplasty is related to coronary plaque burden: a role for viscous plaque properties in early lumen diameter loss. <i>International Journal of Cardiovascular Imaging</i> , 2001, 17, 111-121.	0.6	2
194	Biobanking in carotid artery disease: translation to clinical practice. <i>Journal of Cardiovascular Surgery</i> , 2017, 58, 178-186.	0.6	2
195	Overtreatment or Undertreatment of Carotid Disease: A Transatlantic Comparison of Carotid Endarterectomy Patient Cohorts. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2018, 11, e004607.	2.2	2
196	A Novel Cardiovascular Prosthesis Made from Woven Ultrahigh-Molecular-Weight Polyethylene Fibers, Proof of Concept in a Sheep Model. <i>Annals of Vascular Surgery</i> , 2018, 52, 244-254.e1.	0.9	2
197	Exploring the causal inference of shear stress associated DNA methylation in carotid plaque on cardiovascular risk. <i>Atherosclerosis</i> , 2021, 325, 30-37.	0.8	2
198	Identification of Biomarkers That Are Associated with Clinical Complications of Hemoglobin SC Disease and Sickle Cell Anemia. <i>Blood</i> , 2021, 138, 962-962.	1.4	2

#	ARTICLE	IF	CITATIONS
199	The Role of the Vulnerable Carotid Plaque in Embolic Stroke of Unknown Source. <i>Journal of the American College of Cardiology</i> , 2022, , .	2.8	2
200	Response to Letter Regarding Article, "Plasmin Cleavage of von Willebrand Factor as an Emergency Bypass for ADAMTS13 Deficiency in Thrombotic Microangiopathy". <i>Circulation</i> , 2015, 131, e19-20.	1.6	1
201	Lower Platelet Reactivity Is Associated with Presentation of Unstable Coronary Artery Disease. <i>International Journal of Angiology</i> , 2016, 25, 210-218.	0.6	1
202	Renin and aldosterone are not associated with vulnerable plaque characteristics in patients with carotid artery disease. <i>Journal of Vascular Surgery</i> , 2018, 68, 128-135.	1.1	1
203	Magnetic Resonance Imaging Identified Brain Ischaemia in Symptomatic Patients Undergoing Carotid Endarterectomy Is Related to Histologically Apparent Intraplaque Haemorrhage. <i>European Journal of Vascular and Endovascular Surgery</i> , 2019, 58, 796-804.	1.5	1
204	The therapeutic potential of targeting CD40-TRAF6 pathway in cardiovascular Diseases. <i>International Journal of Cardiology</i> , 2020, 300, 220.	1.7	1
205	The Oxygenscan: A Rapid and Reproducible Test to Determine Patient-Specific, Clinically Relevant Biomarkers of Disease Severity in Sickle Cell Anemia. <i>Blood</i> , 2018, 132, 2360-2360.	1.4	1
206	Preclinical Comparison of Distal Off-Pump Anastomotic Remodeling: Hand-Sewn Versus ELANA Heart Bypass. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2022, 17, 111-118.	0.9	1
207	In Vitro Hemocompatibility Testing of Dyneema Purity Fibers in Blood Contact. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2015, 10, 195-201.	0.9	0
208	203...Extracellular matrix proteomics identifies molecular signature of symptomatic carotid plaques. <i>Heart</i> , 2017, 103, A137.1-A137.	2.9	0
209	Hunt for the (Multi)-Marker Grail in the Diverse Landscape of Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 1789-1791.	2.4	0
210	Scientists on the Spot: Re-defining atherosclerosis through biobanks. <i>Cardiovascular Research</i> , 2021, 117, e99-e100.	3.8	0
211	Mildly Increased Renin Expression in the Absence of Kidney Injury in the Murine Transverse Aortic Constriction Model. <i>Frontiers in Pharmacology</i> , 2021, 12, 614656.	3.5	0
212	A Laser-Assisted Anastomotic Technique: Feasibility on Human Diseased Coronary Arteries. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2016, 11, 116-122.	0.9	0