Thomas Quertermous

List of Publications by Year
in descending order

Version: 2024-02-01

229 papers	42,368 citations	8755 75 h-index	2684 193 g-index
246 all docs	246 docs citations	246 times ranked	46963 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	Biological, clinical and population relevance of 95 loci for blood lipids. Nature, 2010, 466, 707-713.	27.8	3,249
3	Discovery and refinement of loci associated with lipid levels. Nature Genetics, 2013, 45, 1274-1283.	21.4	2,641
4	Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index. Nature Genetics, 2010, 42, 937-948.	21.4	2,634
5	A comprehensive 1000 Genomesâ€"based genome-wide association meta-analysis of coronary artery disease. Nature Genetics, 2015, 47, 1121-1130.	21.4	2,054
6	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
7	Hundreds of variants clustered in genomic loci and biological pathways affect human height. Nature, 2010, 467, 832-838.	27.8	1,789
8	Large-scale association analysis identifies 13 new susceptibility loci for coronary artery disease. Nature Genetics, 2011, 43, 333-338.	21.4	1,685
9	Large-scale association analysis identifies new risk loci for coronary artery disease. Nature Genetics, 2013, 45, 25-33.	21.4	1,439
10	New genetic loci link adipose and insulin biology to body fat distribution. Nature, 2015, 518, 187-196.	27.8	1,328
11	Genome-wide meta-analyses identify multiple loci associated with smoking behavior. Nature Genetics, 2010, 42, 441-447.	21.4	1,083
12	Meta-analysis identifies 13 new loci associated with waist-hip ratio and reveals sexual dimorphism in the genetic basis of fat distribution. Nature Genetics, 2010, 42, 949-960.	21.4	836
13	Common variants associated with plasma triglycerides and risk for coronary artery disease. Nature Genetics, 2013, 45, 1345-1352.	21.4	754
14	A long noncoding RNA protects the heart from pathological hypertrophy. Nature, 2014, 514, 102-106.	27.8	672
15	Opportunities and challenges for transcriptome-wide association studies. Nature Genetics, 2019, 51, 592-599.	21.4	592
16	Atheroprotective roles of smooth muscle cell phenotypic modulation and the TCF21 disease gene as revealed by single-cell analysis. Nature Medicine, 2019, 25, 1280-1289.	30.7	494
17	Identification of ADAMTS7 as a novel locus for coronary atherosclerosis and association of ABO with myocardial infarction in the presence of coronary atherosclerosis: two genome-wide association studies. Lancet, The, 2011, 377, 383-392.	13.7	466
18	CD47-blocking antibodies restore phagocytosis and prevent atherosclerosis. Nature, 2016, 536, 86-90.	27.8	443

#	Article	IF	Citations
19	Enhancer connectome in primary human cells identifies target genes of disease-associated DNA elements. Nature Genetics, 2017, 49, 1602-1612.	21.4	419
20	Clinical Interpretation and Implications of Whole-Genome Sequencing. JAMA - Journal of the American Medical Association, 2014, 311, 1035.	7.4	398
21	The genetics of blood pressure regulation and its target organs from association studies in 342,415 individuals. Nature Genetics, 2016, 48, 1171-1184.	21.4	362
22	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
23	Novel Role for the Potent Endogenous Inotrope Apelin in Human Cardiac Dysfunction. Circulation, 2003, 108, 1432-1439.	1.6	311
24	The endogenous peptide apelin potently improves cardiac contractility and reduces cardiac loading in vivo. Cardiovascular Research, 2005, 65, 73-82.	3.8	298
25	Identification of heart rateâ€“associated loci and their effects on cardiac conduction and rhythm disorders. Nature Genetics, 2013, 45, 621-631.	21.4	282
26	Cloning of a Unique Lipase from Endothelial Cells Extends the Lipase Gene Family. Journal of Biological Chemistry, 1999, 274, 14170-14175.	3.4	272
27	Del-1, an Endogenous Leukocyte-Endothelial Adhesion Inhibitor, Limits Inflammatory Cell Recruitment. Science, 2008, 322, 1101-1104.	12.6	271
28	Endothelial lipase is a major determinant of HDL level. Journal of Clinical Investigation, 2003, 111, 347-355.	8.2	270
29	Fifteen new risk loci for coronary artery disease highlight arterial-wall-specific mechanisms. Nature Genetics, 2017, 49, 1113-1119.	21.4	260
30	Apelin signaling antagonizes Ang II effects in mouse models of atherosclerosis. Journal of Clinical Investigation, 2008, 118, 3343-54.	8.2	253
31	Detailed Physiologic Characterization Reveals Diverse Mechanisms for Novel Genetic Loci Regulating Glucose and Insulin Metabolism in Humans. Diabetes, 2010, 59, 1266-1275.	0.6	237
32	Analysis of Transcriptional Variability in a Large Human iPSC Library Reveals Genetic and Non-genetic Determinants of Heterogeneity. Cell Stem Cell, 2017, 20, 518-532.e9.	11.1	230
33	A Bivariate Genome-Wide Approach to Metabolic Syndrome. Diabetes, 2011, 60, 1329-1339.	0.6	226
34	Transcriptomic Profiling Maps Anatomically Patterned Subpopulations among Single Embryonic Cardiac Cells. Developmental Cell, 2016, 39, 491-507.	7.0	218
35	Identification of new susceptibility loci for type 2 diabetes and shared etiological pathways with coronary heart disease. Nature Genetics, 2017, 49, 1450-1457.	21.4	218
36	Apelin is necessary for the maintenance of insulin sensitivity. American Journal of Physiology - Endocrinology and Metabolism, 2010, 298, E59-E67.	3.5	213

#	Article	IF	Citations
37	Prepregnancy Diabetes and Offspring Risk of Congenital Heart Disease. Circulation, 2016, 133, 2243-2253.	1.6	197
38	Integrative Genomics Reveals Novel Molecular Pathways and Gene Networks for Coronary Artery Disease. PLoS Genetics, 2014, 10, e1004502.	3.5	192
39	Targeting LOXL2 for cardiac interstitial fibrosis and heart failure treatment. Nature Communications, 2016, 7, 13710.	12.8	190
40	Endogenous regulation of cardiovascular function by apelin-APJ. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H1904-H1913.	3.2	169
41	Susceptibility locus for clinical and subclinical coronary artery disease at chromosome 9p21 in the multi-ethnic ADVANCE study. Human Molecular Genetics, 2008, 17, 2320-2328.	2.9	166
42	Cloning of an Immunoglobulin Family Adhesion Molecule Selectively Expressed by Endothelial Cells. Journal of Biological Chemistry, 2001, 276, 16223-16231.	3.4	164
43	Design of the Coronary ARtery DIsease Genome-Wide Replication And Meta-Analysis (CARDIoGRAM) Study. Circulation: Cardiovascular Genetics, 2010, 3, 475-483.	5.1	159
44	Disruption of the Apelin-APJ System Worsens Hypoxia-Induced Pulmonary Hypertension. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 814-820.	2.4	148
45	Association of the PHACTR1/EDN1 Genetic Locus With Spontaneous Coronary Artery Dissection. Journal of the American College of Cardiology, 2019, 73, 58-66.	2.8	147
46	Characterizing the admixed African ancestry of African Americans. Genome Biology, 2009, 10, R141.	9.6	145
47	Pathway analysis of coronary atherosclerosis. Physiological Genomics, 2005, 23, 103-118.	2.3	144
48	Apelin prevents aortic aneurysm formation by inhibiting macrophage inflammation. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H1329-H1335.	3.2	136
49	Del1 Induces Integrin Signaling and Angiogenesis by Ligation of Î±VÎ²3. Journal of Biological Chemistry, 1999, 274, 11101-11109.	3.4	135
50	Association analyses of East Asian individuals and trans-ancestry analyses with European individuals reveal new loci associated with cholesterol and triglyceride levels. Human Molecular Genetics, 2017, 26, 1770-1784.	2.9	135
51	Apelin-APJ Signaling Is a Critical Regulator of Endothelial MEF2 Activation in Cardiovascular Development. Circulation Research, 2013, 113, 22-31.	4.5	133
52	Metabolic Syndrome and Early-Onset Coronary Artery Disease. Journal of the American College of Cardiology, 2006, 48, 1800-1807.	2.8	128
53	In vivo genetic profiling and cellular localization of apelin reveals a hypoxia-sensitive, endothelial-centered pathway activated in ischemic heart failure. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H88-H98.	3.2	128
54	Single-Cell Transcriptomic Profiling of Vascular Smooth Muscle Cell Phenotype Modulation in Marfan Syndrome Aortic Aneurysm. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 2195-2211.	2.4	126

#	Article	IF	Citations
55	Integrative functional genomics identifies regulatory mechanisms at coronary artery disease loci. Nature Communications, 2016, 7, 12092.	12.8	123
56	Endothelial Lipase Modulates Susceptibility to Atherosclerosis in Apolipoprotein-E-deficient Mice. Journal of Biological Chemistry, 2004, 279, 45085-45092.	3.4	121
57	Hepatic Proprotein Convertases Modulate HDL Metabolism. Cell Metabolism, 2007, 6, 129-136.	16.2	117
58	NHLBI workshop report: endothelial cell phenotypes in heart, lung, and blood diseases. American Journal of Physiology - Cell Physiology, 2001, 281, C1422-C1433.	4.6	112
59	Trans-Ethnic Fine-Mapping of Lipid Loci Identifies Population-Specific Signals and Allelic Heterogeneity That Increases the Trait Variance Explained. PLoS Genetics, 2013, 9, e1003379.	3.5	112
60	Genetic targeting of sprouting angiogenesis using Apln-CreER. Nature Communications, 2015, 6, 6020.	12.8	111
61	Coronary Heart Disease-Associated Variation in TCF21 Disrupts a miR-224 Binding Site and miRNA-Mediated Regulation. PLoS Genetics, 2014, 10, e1004263.	3.5	108
62	Identification of endothelial cell genes by combined database mining and microarray analysis. Physiological Genomics, 2003, 13, 249-262.	2.3	107
63	Transcriptional Profiling of the Heart Reveals Chamber-Specific Gene Expression Patterns. Circulation Research, 2003, 93, 1193-1201.	4.5	105
64	Loss of CDKN2B Promotes p53-Dependent Smooth Muscle Cell Apoptosis and Aneurysm Formation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, e1-e10.	2.4	103
65	Targeted Disruption of Endothelial Cell-selective Adhesion Molecule Inhibits Angiogenic Processes in Vitro and in Vivo. Journal of Biological Chemistry, 2003, 278, 34598-34604.	3.4	95
66	Neovascularization of ischemic tissues by gene delivery of the extracellular matrix protein Del-1. Journal of Clinical Investigation, 2003, 112, 30-41.	8.2	95
67	Identification and validation of N-acetyltransferase 2 as an insulin sensitivity gene. Journal of Clinical Investigation, 2015, 125, 1739-1751.	8.2	94
68	Population-scale tissue transcriptomics maps long non-coding RNAs to complex disease. Cell, 2021, 184, 2633-2648.e19.	28.9	94
69	Human T-cell Î³ genes contain N segments and have marked junctional variability. Nature, 1986, 322, 184-187.	27.8	93
70	Cloning of capsulin, a basic helix-loop-helix factor expressed in progenitor cells of the pericardium and the coronary arteries1The sequence reported in this paper has been deposited in the Genbank data base (accession no.: AF029753)1. Mechanisms of Development, 1998, 73, 33-43.	1.7	93
71	De Novo and Rare Variants at Multiple Loci Support the Oligogenic Origins of Atrioventricular Septal Heart Defects. PLoS Genetics, 2016, 12, e1005963.	3.5	92
72	Alternative Progenitor Cells Compensate to Rebuild the Coronary Vasculature in Elabela- and Apj-Deficient Hearts. Developmental Cell, 2017, 42, 655-666.e3.	7.0	88

#	Article	IF	Citations
73	Coronary Artery Disease Associated Transcription Factor TCF21 Regulates Smooth Muscle Precursor Cells That Contribute to the Fibrous Cap. PLoS Genetics, 2015, 11, e1005155.	3.5	86
74	Regulated Expression of Endothelial Cell-Derived Lipase. Biochemical and Biophysical Research Communications, 2000, 272, 90-93.	2.1	82
75	Polymorphisms in hypoxia inducible factor 1 and the initial clinical presentation of coronary disease. American Heart Journal, 2007, 154, 1035-1042.	2.7	82
76	The Embryonic Angiogenic Factor Del1 Accelerates Tumor Growth by Enhancing Vascular Formation. Microvascular Research, 2002, 64, 148-161.	2.5	80
77	Endothelial lipase. Journal of Lipid Research, 2002, 43, 1763-1769.	4.2	79
78	Molecular Isolation and Characterization of a Soluble Isoform of Activated Leukocyte Cell Adhesion Molecule That Modulates Endothelial Cell Function. Journal of Biological Chemistry, 2004, 279, 55315-55323.	3.4	79
79	Statin and Î²-Blocker Therapy and the Initial Presentation of Coronary Heart Disease. Annals of Internal Medicine, 2006, 144, 229.	3.9	78
80	Genetic Regulatory Mechanisms of Smooth Muscle Cells Map to Coronary Artery Disease Risk Loci. American Journal of Human Genetics, 2018, 103, 377-388.	6.2	76
81	Signature patterns of gene expression in mouse atherosclerosis and their correlation to human coronary disease. Physiological Genomics, 2005, 22, 213-226.	2.3	73
82	Systems Genetics Analysis of Genome-Wide Association Study Reveals Novel Associations Between Key Biological Processes and Coronary Artery Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 1712-1722.	2.4	72
83	Differences in Vascular Bed Disease Susceptibility Reflect Differences in Gene Expression Response to Atherogenic Stimuli. Circulation Research, 2006, 98, 200-208.	4.5	71
84	Impact of Combined Deficiency of Hepatic Lipase and Endothelial Lipase on the Metabolism of Both High-Density Lipoproteins and Apolipoprotein Bâ€“Containing Lipoproteins. Circulation Research, 2010, 107, 357-364.	4.5	70
85	Developmental Endothelial Locus-1 (Del-1), a Novel Angiogenic Protein. Circulation, 2004, 109, 1314-1319.	1.6	69
86	Coronary Disease-Associated Gene TCF21 Inhibits Smooth Muscle Cell Differentiation by Blocking the Myocardin-Serum Response Factor Pathway. Circulation Research, 2020, 126, 517-529.	4.5	67
87	Properties of structural variants and short tandem repeats associated with gene expression and complex traits. Nature Communications, 2020, 11, 2927.	12.8	67
88	Network Analysis of Human In-Stent Restenosis. Circulation, 2006, 114, 2644-2654.	1.6	66
89	Phenotypic Modulation of Smooth Muscle Cells in Atherosclerosis Is Associated With Downregulation of LMOD1, SYNPO2, PDLIM7, PLN , and SYNM. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 1947-1961.	2.4	64
90	Disease-Related Growth Factor and Embryonic Signaling Pathways Modulate an Enhancer of TCF21 Expression at the 6q23.2 Coronary Heart Disease Locus. PLoS Genetics, 2013, 9, e1003652.	3.5	63

#	Article	IF	Citations
91	Genetic epistasis of adiponectin and PPAR?2 genotypes in modulation of insulin sensitivity: a family-based association study. Diabetologia, 2003, 46, 977-983.	6.3	62
92	Molecular Signatures Determining Coronary Artery and Saphenous Vein Smooth Muscle Cell Phenotypes. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 1058-1065.	2.4	61
93	Endothelial cell specific adhesion molecule (ESAM) localizes to plateletâ€“platelet contacts and regulates thrombus formation in vivo. Journal of Thrombosis and Haemostasis, 2009, 7, 1886-1896.	3.8	61
94	Endothelial APLNR regulates tissue fatty acid uptake and is essential for apelinâ€™s glucose-lowering effects. Science Translational Medicine, 2017, 9, .	12.4	61
95	Glia Maturation Factor-Î³ Is Preferentially Expressed in Microvascular Endothelial and Inflammatory Cells and Modulates Actin Cytoskeleton Reorganization. Circulation Research, 2006, 99, 424-433.	4.5	60
96	Circulating chemokines accurately identify individuals with clinically significant atherosclerotic heart disease. Physiological Genomics, 2007, 31, 402-409.	2.3	60
97	Matrix metalloproteinase circulating levels, genetic polymorphisms, and susceptibility to acute myocardial infarction among patients with coronary artery disease. American Heart Journal, 2007, 154, 1043-1051.	2.7	58
98	Genome-wide Linkage Scans for Fasting Glucose, Insulin, and Insulin Resistance in the National Heart, Lung, and Blood Institute Family Blood Pressure Program: Evidence of Linkages to Chromosome 7q36 and 19q13 From Meta-Analysis. Diabetes, 2005, 54, 909-914.	0.6	57
99	Environment-Sensing Aryl Hydrocarbon Receptor Inhibits the Chondrogenic Fate of Modulated Smooth Muscle Cells in Atherosclerotic Lesions. Circulation, 2020, 142, 575-590.	1.6	57
100	Common polymorphisms of ALOX5 and ALOX5AP and risk of coronary artery disease. Human Genetics, 2008, 123, 399-408.	3.8	54
101	Immunohistochemical localization of endothelial cell-derived lipase in atherosclerotic human coronary arteries. Cardiovascular Research, 2003, 58, 647-654.	3.8	53
102	FGD5 Mediates Proangiogenic Action of Vascular Endothelial Growth Factor in Human Vascular Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 988-996.	2.4	53
103	Epigenetic response to environmental stress: Assembly of BRG1â€“G9a/GLPâ€“DNMT3 repressive chromatin complex on Myh6 promoter in pathologically stressed hearts. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 1772-1781.	4.1	53
104	TCF21 and the environmental sensor aryl-hydrocarbon receptor cooperate to activate a pro-inflammatory gene expression program in coronary artery smooth muscle cells. PLoS Genetics, 2017, 13, e1006750.	3.5	52
105	Cardiovascular Risks in Patients with COVID-19: Potential Mechanisms and Areas of Uncertainty. Current Cardiology Reports, 2020, 22, 34.	2.9	51
106	Single-nucleus chromatin accessibility profiling highlights regulatory mechanisms of coronary artery disease risk. Nature Genetics, 2022, 54, 804-816.	21.4	51
107	Ontogeny of apelin and its receptor in the rodent gastrointestinal tract. Regulatory Peptides, 2009, 158, 32-39.	1.9	48
108	Measurement of insulin-mediated glucose uptake: Direct comparison of the modified insulin suppression test and the euglycemic, hyperinsulinemic clamp. Metabolism: Clinical and Experimental, 2013, 62, 548-553.	3.4	48

#	Article	IF	Citations
109	Pathological Ace2-to-Ace enzyme switch in the stressed heart is transcriptionally controlled by the endothelial Brg1â€“FoxM1 complex. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5628-35.	7.1	46
110	Endothelial cell-selective adhesion molecule modulates atherosclerosis through plaque angiogenesis and monocyteâ€“endothelial interaction. Microvascular Research, 2010, 80, 179-187.	2.5	45
111	Endothelial Lipase Modulates Monocyte Adhesion to the Vessel Wall. Journal of Biological Chemistry, 2004, 279, 54032-54038.	3.4	44
112	A near null variant of 12/15-LOX encoded by a novel SNP in ALOX15 and the risk of coronary artery disease. Atherosclerosis, 2008, 198, 136-144.	0.8	44
113	TCF21 and AP-1 interact through epigenetic modifications to regulate coronary artery disease gene expression. Genome Medicine, 2019, 11, 23.	8.2	43
114	Tree-structured supervised learning and the genetics of hypertension. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10529-10534.	7.1	42
115	Opposing cardiovascular roles for the angiotensin and apelin signaling pathways. Journal of Molecular and Cellular Cardiology, 2006, 41, 778-781.	1.9	42
116	Endothelial Lipase is Increased by Inflammation and Promotes LDL Uptake in Macrophages. Journal of Atherosclerosis and Thrombosis, 2007, 14, 192-201.	2.0	41
117	Characterization of TCF21 Downstream Target Regions Identifies a Transcriptional Network Linking Multiple Independent Coronary Artery Disease Loci. PLoS Genetics, 2015, 11, e1005202.	3.5	41
118	Coronary artery disease genes SMAD3 and TCF21 promote opposing interactive genetic programs that regulate smooth muscle cell differentiation and disease risk. PLoS Genetics, 2018, 14, e1007681.	3.5	41
119	Biethnic Comparisons of Autosomal Genomic Scan for Loci Linked to Plasma Adiponectin in Populations of Chinese and Japanese Origin. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 5772-5778.	3.6	40
120	Genomic profiling of human vascular cells identifies TWIST1 as a causal gene for common vascular diseases. PLoS Genetics, 2020, 16, e1008538.	3.5	40
121	Mouse Strainâ€“Specific Differences in Vascular Wall Gene Expression and Their Relationship to Vascular Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 302-308.	2.4	39
122	Common ALDH2 genetic variants predict development of hypertension in the SAPPHIRe prospective cohort: Gene-environmental interaction with alcohol consumption. BMC Cardiovascular Disorders, 2012, 12, 58.	1.7	39
123	Early somatic mosaicism is a rare cause of long-QT syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11555-11560.	7.1	39
124	Advances in Transcriptomics. Circulation Research, 2018, 122, 1200-1220.	4.5	38
125	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
126	An evaluation of the metabolic syndrome in a large multi-ethnic study: the Family Blood Pressure Program. Nutrition and Metabolism, 2005, 2, 17.	3.0	37

#	Article	IF	Citations
127	Proteomic profiles of serum inflammatory markers accurately predict atherosclerosis in mice. Physiological Genomics, 2006, 25, 194-202.	2.3	37
128	Replication of genomeâ€wide association signals of type 2 diabetes in Han Chinese in a prospective cohort. Clinical Endocrinology, 2012, 76, 365-372.	2.4	36
129	Susceptibility Loci for Clinical Coronary Artery Disease and Subclinical Coronary Atherosclerosis Throughout the Life-Course. Circulation: Cardiovascular Genetics, 2015, 8, 803-811.	5.1	36
130	FAM13A affects body fat distribution and adipocyte function. Nature Communications, 2020, 11, 1465.	12.8	36
131	Apelin Enhances Directed Cardiac Differentiation of Mouse and Human Embryonic Stem Cells. PLoS ONE, 2012, 7, e38328.	2.5	36
132	Two Major QTLs and Several Others Relate to Factors of Metabolic Syndrome in the Family Blood Pressure Program. Hypertension, 2005, 46, 751-757.	2.7	35
133	Nat1 Deficiency Is Associated with Mitochondrial Dysfunction and Exercise Intolerance in Mice. Cell Reports, 2016, 17, 527-540.	6.4	35
134	Generation of Vascular Smooth Muscle Cells From Induced Pluripotent Stem Cells. Circulation Research, 2021, 128, 670-686.	4.5	35
135	Upregulation of the apelinâ€“APJ pathway promotes neointima formation in the carotid ligation model in mouse. Cardiovascular Research, 2010, 87, 156-165.	3.8	34
136	Coronary risk assessment among intermediate risk patients using a clinical and biomarker based algorithm developed and validated in two population cohorts. Current Medical Research and Opinion, 2012, 28, 1819-1830.	1.9	33
137	Genetics of Coronary Artery Disease in Taiwan: A Cardiometabochip Study by the Taichi Consortium. PLoS ONE, 2016, 11, e0138014.	2.5	33
138	Identification of ARIA regulating endothelial apoptosis and angiogenesis by modulating proteasomal degradation of cIAP-1 and cIAP-2. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8227-8232.	7.1	32
139	Increased expression of endothelial lipase in rat models of hypertension. Cardiovascular Research, 2005, 66, 594-600.	3.8	31
140	Increased Bone Mass in Mice Lacking the Adipokine Apelin. Endocrinology, 2013, 154, 2069-2080.	2.8	31
141	Systems Genomics Identifies a Key Role forÂHypocretin/Orexin Receptor-2 in Human Heart Failure. Journal of the American College of Cardiology, 2015, 66, 2522-2533.	2.8	31
142	Genetics and Genomics of Coronary Artery Disease. Current Cardiology Reports, 2016, 18, 102.	2.9	31
143	Trans-ethnic fine-mapping of genetic loci for body mass index in the diverse ancestral populations of the Population Architecture using Genomics and Epidemiology (PAGE) Study reveals evidence for multiple signals at established loci. Human Genetics, 2017, 136, 771-800.	3.8	31
144	ZEB2 Shapes the Epigenetic Landscape of Atherosclerosis. Circulation, 2022, 145, 469-485.	1.6	31

#	Article	IF	Citations
145	Cardiovascular Overexpression of Transforming Growth Factor-Î²1Causes Abnormal Yolk Sac Vasculogenesis and Early Embryonic Death. Circulation Research, 2000, 86, 1024-1030.	4.5	30
146	Pancreatic Islet APJ Deletion Reduces Islet Density and Glucose Tolerance in Mice. Endocrinology, 2015, 156, 2451-2460.	2.8	30
147	Functional regulatory mechanism of smooth muscle cell-restricted LMOD1 coronary artery disease locus. PLoS Genetics, 2018, 14, e1007755.	3.5	30
148	Inducible and selective transgene expression in murine vascular endothelium. Physiological Genomics, 2002, 11, 99-107.	2.3	29
149	An Autosomal Genome-wide Scan for Loci Linked to Pre-Diabetic Phenotypes in Nondiabetic Chinese Subjects From the Stanford Asia-Pacific Program of Hypertension and Insulin Resistance Family Study. Diabetes, 2005, 54, 1200-1206.	0.6	29
150	Failure to replicate an association of SNPs in the oxidized LDL receptor gene (OLR1) with CAD. BMC Medical Genetics, 2008, 9, 23.	2.1	29
151	Admixture mapping of quantitative trait loci for blood lipids in African-Americans. Human Molecular Genetics, 2009, 18, 2091-2098.	2.9	29
152	Fine-mapping of lipid regions in global populations discovers ethnic-specific signals and refines previously identified lipid loci. Human Molecular Genetics, 2016, 25, 5500-5512.	2.9	29
153	Apelin and APJ orchestrate complex tissue-specific control of cardiomyocyte hypertrophy and contractility in the hypertrophy-heart failure transition. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H348-H356.	3.2	28
154	Octamer-dependent in Vivo Expression of the Endothelial Cell-specific TIE2 Gene. Journal of Biological Chemistry, 1999, 274, 20376-20383.	3.4	27
155	Apelin and Its G Protein-Coupled Receptor Regulate Cardiac Development as Well as Cardiac Function. Developmental Cell, 2007, 12, 319-320.	7.0	27
156	Trans-ethnic fine mapping identifies a novel independent locus at the 3â€² end of CDKAL1 and novel variants of several susceptibility loci for type 2 diabetes in a Han Chinese population. Diabetologia, 2013, 56, 2619-2628.	6.3	27
157	Identification of an Endothelial Cell-specific Regulatory Region in the Murine Endothelin-1 Gene. Journal of Biological Chemistry, 1997, 272, 32613-32622.	3.4	26
158	Genome-wide expression dynamics during mouse embryonic development reveal similarities to Drosophila development. Developmental Biology, 2005, 288, 595-611.	2.0	26
159	Targeted inactivation of endothelial lipase attenuates lung allergic inflammation through raising plasma HDL level and inhibiting eosinophil infiltration. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 296, L594-L602.	2.9	26
160	Functional analysis of the endothelial cell-specific Tie2/Tek promoter identifies unique protein-binding elements. Biochemical Journal, 1998, 330, 335-343.	3.7	25
161	The Negative Correlation Between Plasma Adiponectin and Blood Pressure Depends on Obesity: A Family-based Association Study In SAPPHIRe. American Journal of Hypertension, 2008, 21, 471-476.	2.0	25
162	Peroxisome Proliferator-Activated Receptor Gamma Polymorphisms and Coronary Heart Disease. PPAR Research, 2009, 2009, 1-11.	2.4	25

#	Article	IF	Citations
163	Human Coronary Plaque T Cells Are Clonal and Cross-React to Virus and Self. Circulation Research, 2022, 130, 1510-1530.	4.5	25
164	Physical Inactivity is an Important Lifestyle Determinant of Insulin Resistance in Hypertensive Patients. Blood Pressure, 2004, 13, 355-361.	1.5	24
165	Sequence to Medical Phenotypes: A Framework for Interpretation of Human Whole Genome DNA Sequence Data. PLoS Genetics, 2015, 11, e1005496.	3.5	23
166	Directed endothelial differentiation of cultured embryonic yolk sac cells in vivo provides a novel cellâ€based system for gene therapy. Stem Cells, 1995, 13, 541-547.	3.2	22
167	Pancreatitis activates pancreatic apelin-APJ axis in mice. American Journal of Physiology - Renal Physiology, 2013, 305, G139-G150.	3.4	22
168	High-sensitivity cardiac troponin I and incident coronary heart disease among asymptomatic older adults. Heart, 2016, 102, 1177-1182.	2.9	22
169	Discovery and quality analysis of a comprehensive set of structural variants and short tandem repeats. Nature Communications, 2020, 11, 2928.	12.8	22
170	Sagittal abdominal diameter is associated with insulin sensitivity in Chinese hypertensive patients and their siblings. Journal of Human Hypertension, 2003, 17, 193-198.	2.2	21
171	Endothelial lipase is synthesized by hepatic and aorta endothelial cells and its expression is altered in apoE-deficient mice. Journal of Lipid Research, 2004, 45, 1614-1623.	4.2	21
172	Genetic polymorphisms of PCSK2 are associated with glucose homeostasis and progression to type 2 diabetes in a Chinese population. Scientific Reports, 2015, 5, 14380.	3.3	21
173	Smad3 regulates smooth muscle cell fate and mediates adverse remodeling and calcification of the atherosclerotic plaque. , 2022, 1, 322-333.		21
174	The impact of data quality on the identification of complex disease genes: experience from the Family Blood Pressure Program. European Journal of Human Genetics, 2006, 14, 469-477.	2.8	19
175	Induced Pluripotent Stem Cellâ€“Derived Endothelial Cells in Insulin Resistance and Metabolic Syndrome. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 2038-2042.	2.4	19
176	The angiogenic factor Del1 prevents apoptosis of endothelial cells through integrin binding. Surgery, 2012, 151, 296-305.	1.9	18
177	Functional Assays to Screen and Dissect Genomic Hits. Circulation Genomic and Precision Medicine, 2018, 11, e002178.	3.6	18
178	FGF-1 enhanced cardiogenesis in differentiating embryonal carcinoma cell cultures, which was opposite to the effect of FGF-2. Journal of Molecular and Cellular Cardiology, 2003, 35, 421-425.	1.9	17
179	Sex-specific genetic architecture of human fatness in Chinese: the SAPPHIRe Study. Human Genetics, 2010, 128, 501-513.	3.8	16
180	Molecular mechanisms of coronary disease revealed using quantitative trait loci for TCF21 binding, chromatin accessibility, and chromosomal looping. Genome Biology, 2020, 21, 135.	8.8	16

#	Article	IF	Citations
181	Apelin increases atrial conduction velocity, refractoriness, and prevents inducibility of atrial fibrillation. JCI Insight, 2020, 5, .	5.0	15
182	Role of endothelial cell-selective adhesion molecule in hematogeneous metastasis. Microvascular Research, 2010, 80, 133-141.	2.5	14
183	Predictive network modeling in human induced pluripotent stem cells identifies key driver genes for insulin responsiveness. PLoS Computational Biology, 2020, 16, e1008491.	3.2	14
184	CRP-level-associated polymorphism rs1205 within the CRP gene is associated with 2-hour glucose level: The SAPPHIRe study. Scientific Reports, 2017, 7, 7987.	3.3	13
185	Osteomodulin attenuates smooth muscle cell osteogenic transition in vascular calcification. Clinical and Translational Medicine, 2022, 12, e682.	4.0	13
186	Functional activity of the CFTR Clâ˜ channel in human myocardium. Heart and Vessels, 1997, 12, 255-261.	1.2	12
187	Molecular cloning of nonsecreted endothelial cell-derived lipase isoforms. Genomics, 2004, 83, 24-33.	2.9	12
188	Apelin-APJ Signaling in Retinal Angiogenesis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 1687-1688.	2.4	12
189	From Locus Association to Mechanism of Gene Causality. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 2079-2080.	2.4	12
190	The effects of the renin-angiotensin-aldosterone system gene polymorphisms on insulin resistance in hypertensive families. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2012, 13, 446-454.	1.7	11
191	Linkage analysis incorporating geneâ€“age interactions identifies seven novel lipid loci: The Family Blood Pressure Program. Atherosclerosis, 2014, 235, 84-93.	0.8	11
192	Dissecting the Causal Genetic Mechanisms of Coronary Heart Disease. Current Atherosclerosis Reports, 2014, 16, 406.	4.8	11
193	Embryologic Origin Influences Smooth Muscle Cell Phenotypic Modulation Signatures in Murine Marfan Syndrome Aortic Aneurysm. Arteriosclerosis, Thrombosis, and Vascular Biology, 2022, 42, 1154-1168.	2.4	11
194	Overexpression of theDel1 gene causes dendritic branching in the mouse mesentery. The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology, 2005, 287A, 1165-1175.	2.0	10
195	Transcriptomic profiling of experimental arterial injury reveals new mechanisms and temporal dynamics in vascular healing response. JVS Vascular Science, 2020, 1, 13-27.	1.1	10
196	Genomic integrity of human induced pluripotent stem cells across nine studies in the NHLBI NextGen program. Stem Cell Research, 2020, 46, 101803.	0.7	10
197	Coronary Artery Disease and Its Risk Factors. Circulation Research, 2016, 118, 14-16.	4.5	9
198	Multi-omics analysis identifies CpGs near G6PC2 mediating the effects of genetic variants on fasting glucose. Diabetologia, 2021, 64, 1613-1625.	6.3	9

#	Article	IF	Citations
199	An integrated approach to identify environmental modulators of genetic risk factors for complex traits. American Journal of Human Genetics, 2021, 108, 1866-1879.	6.2	9
200	Effect of Common Genetic Variants of Growth Arrest-Specific 6 Gene on Insulin Resistance, Obesity and Type 2 Diabetes in an Asian Population. PLoS ONE, 2015, 10, e0135681.	2.5	8
201	Genome-wide copy number variation analysis identified deletions in SFMBT1 associated with fasting plasma glucose in a Han Chinese population. BMC Genomics, 2017, 18, 591.	2.8	8
202	The role of insulin as a key regulator of seeding, proliferation, and mRNA transcription of human pluripotent stem cells. Stem Cell Research and Therapy, 2019, 10, 228.	5.5	7
203	AMPA-Type Glutamate Receptors Associated With Vascular Smooth Muscle Cell Subpopulations in Atherosclerosis and Vascular Injury. Frontiers in Cardiovascular Medicine, 2021, 8, 655869.	2.4	7
204	Integration of genetic colocalizations with physiological and pharmacological perturbations identifies cardiometabolic disease genes. Genome Medicine, 2022, 14, 31.	8.2	7
205	Use of High Throughput Genomic Tools for the Study of Endothelial Cell Biology. Lymphatic Research and Biology, 2003, 1, 133-145.	1.1	6
206	Clinical Utility of a Novel Coronary Heart Disease Riskâ€Assessment Test to Further Classify Intermediateâ€Risk Patients. Clinical Cardiology, 2013, 36, 621-627.	1.8	6
207	The combination of 9p21.3 genotype and biomarker profile improves a peripheral artery disease risk prediction model. Vascular Medicine, 2014, 19, 3-8.	1.5	6
208	CRISPR-Cas9-mediated knockout of SPRY2 in human hepatocytes leads to increased glucose uptake and lipid droplet accumulation. BMC Endocrine Disorders, 2019, 19, 115.	2.2	6
209	Detailed Functional Characterization of a Waist-Hip Ratio Locus in 7p15.2 Defines an Enhancer Controlling Adipocyte Differentiation. IScience, 2019, 20, 42-59.	4.1	6
210	Circulating peptide prevents preeclampsia. Science, 2017, 357, 643-644.	12.6	5
211	Stanford Cardiovascular Institute. Circulation Research, 2019, 124, 1420-1424.	4.5	4
212	Frontiers in Nephrology. Journal of the American Society of Nephrology: JASN, 2007, 18, 2853-2862.	6.1	3
213	Endothelin Type A Receptor Genotype is a Determinant of Quantitative Traits of Metabolic Syndrome in Asian Hypertensive Families: A SAPPHIRe Study. Frontiers in Endocrinology, 2013, 4, 172.	3.5	3
214	IGF1 Gene Is Associated With Triglyceride Levels In Subjects With Family History Of Hypertension From The SAPPHIRe And TWB Projects. International Journal of Medical Sciences, 2018, 15, 1035-1042.	2.5	3
215	Absence of evidence for an association between resistin gene variants and insulin resistance in an Asian population with low and high blood pressure. Diabetes Research and Clinical Practice, 2008, 81, 231-237.	2.8	2
216	Study of Exonic Variation Identifies Incremental Information Regarding Lipid-Related and Coronary Heart Disease Genes. Circulation Research, 2014, 115, 478-480.	4.5	2

#	Article	IF	Citations
217	Insulin Resistance: Regression and Clustering. PLoS ONE, 2014, 9, e94129.	2.5	2
218	Size Fractionation Using Sucrose Gradients. Current Protocols in Molecular Biology, 1987, 00, Unit5.3.	2.9	1
219	Size Fractionation Using Agarose Gels. Current Protocols in Molecular Biology, 1987, 00, Unit5.4.	2.9	1
220	Plating and Transferring Bacteriophage Libraries. , 2001, Chapter 6, Unit6.1.		1
221	Distribution of the number of false discoveries in large-scale family-based association testing with application to the association between PTPN1 and hypertension and obesity. Human Genetics, 2011, 129, 425-432.	3.8	1
222	Abstract 16484: The Transcriptional Repressor NR1D2 is Associated With Congenital Heart Disease and Plays an Evolutionarily Conserved Role in Cardiac Development. Circulation, 2015, 132, .	1.6	1
223	Abstract 21021: Functional Regulatory Mechanism of Smooth Muscle Cell-Restricted LMOD1 Coronary Artery Disease Locus. Circulation, 2017, 136, .	1.6	1
224	Production of a Genomic DNA Library. Current Protocols in Molecular Biology, 1991, 13, Unit5.7.	2.9	0
225	Purification of Bacteriophage Clones. Current Protocols in Molecular Biology, 1991, 13, Unit6.5.	2.9	0
226	Abstract 141: Coronary Heart Disease-Associated Variation in TCF21 Disrupts a MicroRNA-224 Binding Site and miRNA-Mediated Regulation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, .	2.4	0
227	Abstract 17784: The Genesips Project: an NHLBI-Sponsored induced Pluripotent Stem Cell (iPSC) Resource for the Study of Cardiovascular Diseases. Circulation, 2014, 130, .	1.6	0
228	Abstract 62: Molecular Basis of Regulatory Variation at Coronary Heart Disease-Associated Loci. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, .	2.4	0
229	Genome-Wide Association Studies For Coronary Artery Disease Risk. , 2018, , .		0