Mete Civelek

List of Publications by Year
in descending order

91 papers	9,917 citations	61945 43 h-index	45285 90 g-index
109 all docs	109 docs citations	109 times ranked	19147 citing authors

#	Article	IF	Citations
1	Integrative approaches for large-scale transcriptome-wide association studies. Nature Genetics, 2016, 48, 245-252.	9.4	1,618
2	Multiancestry genome-wide association study of 520,000 subjects identifies 32 loci associated with stroke and stroke subtypes. Nature Genetics, 2018, 50, 524-537.	9.4	1,124
3	Systems genetics approaches to understand complex traits. Nature Reviews Genetics, 2014, 15, 34-48.	7.7	529
4	Genetic Control of Obesity and Gut Microbiota Composition in Response to High-Fat, High-Sucrose Diet in Mice. Cell Metabolism, 2013, 17, 141-152.	7.2	464
5	CD47-blocking antibodies restore phagocytosis and prevent atherosclerosis. Nature, 2016, 536, 86-90.	13.7	443
6	MicroRNA-10a regulation of proinflammatory phenotype in athero-susceptible endothelium in vivo and in vitro. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13450-13455.	3.3	402
7	Hyperglycemia and a Common Variant of GCKR Are Associated With the Levels of Eight Amino Acids in 9,369 Finnish Men. Diabetes, 2012, 61, 1895-1902.	0.3	251
8	The atherosusceptible endothelium: endothelial phenotypes in complex haemodynamic shear stress regions in vivo. Cardiovascular Research, 2013, 99, 315-327.	1.8	251
9	Meta-analysis of 65,734 Individuals Identifies TSPAN15 and SLC44A2 as Two Susceptibility Loci for Venous Thromboembolism. American Journal of Human Genetics, 2015, 96, 532-542.	2.6	222
10	The TMAO-Producing Enzyme Flavin-Containing Monooxygenase 3 Regulates Obesity and the Beiging of White Adipose Tissue. Cell Reports, 2017, 19, 2451-2461.	2.9	194
11	Integrative Genomics Reveals Novel Molecular Pathways and Gene Networks for Coronary Artery Disease. PLoS Genetics, 2014, 10, e1004502.	1.5	192
12	Chronic Endoplasmic Reticulum Stress Activates Unfolded Protein Response in Arterial Endothelium in Regions of Susceptibility to Atherosclerosis. Circulation Research, 2009, 105, 453-461.	2.0	182
13	Transcriptional regulation of macrophage cholesterol efflux and atherogenesis by a long noncoding RNA. Nature Medicine, 2018, 24, 304-312.	15.2	171
14	MicroRNA-144 Regulates Hepatic ATP Binding Cassette Transporter A1 and Plasma High-Density Lipoprotein After Activation of the Nuclear Receptor Farnesoid X Receptor. Circulation Research, 2013, 112, 1602-1612.	2.0	149
15	The Hybrid Mouse Diversity Panel: a resource for systems genetics analyses of metabolic and cardiovascular traits. Journal of Lipid Research, 2016, 57, 925-942.	2.0	143
16	Regulatory variants at KLF14 influence type 2 diabetes risk via a female-specific effect on adipocyte size and body composition. Nature Genetics, 2018, 50, 572-580.	9.4	143
17	Genetic Regulation of Adipose Gene Expression and Cardio-Metabolic Traits. American Journal of Human Genetics, 2017, 100, 428-443.	2.6	141
18	Hybrid mouse diversity panel: a panel of inbred mouse strains suitable for analysis of complex genetic traits. Mammalian Genome, 2012, 23, 680-692.	1.0	134

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19	Genomic analysis of ADAR1 binding and its involvement in multiple RNA processing pathways. Nature Communications, 2015, 6, 6355.	5.8	127
20	Genetic Architecture of Atherosclerosis in Mice: A Systems Genetics Analysis of Common Inbred Strains. PLoS Genetics, 2015, 11, e1005711.	1.5	124
21	Cross-Tissue Regulatory Gene Networks in Coronary Artery Disease. Cell Systems, 2016, 2, 196-208.	2.9	120
22	HIF-1Î± is required for disturbed flow-induced metabolic reprogramming in human and porcine vascular endothelium. ELife, 2017, 6, .	2.8	120
23	Network for Activation of Human Endothelial Cells by Oxidized Phospholipids. Circulation Research, 2011, 109, e27-41.	2.0	117
24	Genome-wide analysis identifies novel susceptibility loci for myocardial infarction. European Heart Journal, 2021, 42, 919-933.	1.0	113
25	Genetic Variation Determines PPARÎ³ Function and Anti-diabetic Drug Response InÂVivo. Cell, 2015, 162, 33-44.	13.5	107
26	Association of Ketone Body Levels With Hyperglycemia and Type 2 Diabetes in 9,398 Finnish Men. Diabetes, 2013, 62, 3618-3626.	0.3	105
27	Prediction of Causal Candidate Genes in Coronary Artery Disease Loci. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 2207-2217.	1.1	101
28	Obesity-linked suppression of membrane-bound O-acyltransferase 7 (MBOAT7) drives non-alcoholic fatty liver disease. ELife, 2019, 8, .	2.8	93
29	Identification of CAD candidate genes in GWAS loci and their expression in vascular cells. Journal of Lipid Research, 2013, 54, 1894-1905.	2.0	86
30	Endothelial NOTCH1 is suppressed by circulating lipids and antagonizes inflammation during atherosclerosis. Journal of Experimental Medicine, 2015, 212, 2147-2163.	4.2	86
31	Functional Characterization of the GUCY1A3 Coronary Artery Disease Risk Locus. Circulation, 2017, 136, 476-489.	1.6	84
32	Mechanosensitive PPAP2B Regulates Endothelial Responses to Atherorelevant Hemodynamic Forces. Circulation Research, 2015, 117, e41-e53.	2.0	75
33	Integration of human adipocyte chromosomal interactions with adipose gene expression prioritizes obesity-related genes from GWAS. Nature Communications, 2018, 9, 1512.	5.8	75
34	Genetic regulation of human adipose microRNA expression and its consequences for metabolic traits. Human Molecular Genetics, 2013, 22, 3023-3037.	1.4	72
35	Estrogen receptor Î± controls metabolism in white and brown adipocytes by regulating Polg1 and mitochondrial remodeling. Science Translational Medicine, 2020, 12, .	5.8	64
36	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

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37	Single-Cell Epigenomics and Functional Fine-Mapping of Atherosclerosis GWAS Loci. Circulation Research, 2021, 129, 240-258.	2.0	61
38	Genetic Regulation of Atherosclerosis-Relevant Phenotypes in Human Vascular Smooth Muscle Cells. Circulation Research, 2020, 127, 1552-1565.	2.0	60
39	A Strategy for Discovery of Endocrine Interactions with Application to Whole-Body Metabolism. Cell Metabolism, 2018, 27, 1138-1155.e6.	7.2	58
40	Genetic variant at coronary artery disease and ischemic stroke locus 1p32.2 regulates endothelial responses to hemodynamics. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11349-E11358.	3.3	58
41	Dual PPARÎ±/Î³ activation inhibitsSIRT1-PGC1Î± axis and causes cardiac dysfunction. JCI Insight, 2019, 4, .	2.3	56
42	Coronary Artery Endothelial Transcriptome In Vivo. Circulation: Cardiovascular Genetics, 2011, 4, 243-252.	5.1	54
43	The WWOX Gene Modulates High-Density Lipoprotein and Lipid Metabolism. Circulation: Cardiovascular Genetics, 2014, 7, 491-504.	5.1	49
44	Multiple Hepatic Regulatory Variants at the GALNT2 GWAS Locus Associated with High-Density Lipoprotein Cholesterol. American Journal of Human Genetics, 2015, 97, 801-815.	2.6	49
45	Endothelial Heterogeneity Associated with Regional Athero-Susceptibility and Adaptation to Disturbed Blood Flow in Vivo. Seminars in Thrombosis and Hemostasis, 2010, 36, 265-275.	1.5	45
46	Adipose Tissue Gene Expression Associations Reveal Hundreds of Candidate Genes for Cardiometabolic Traits. American Journal of Human Genetics, 2019, 105, 773-787.	2.6	45
47	SORBS1 gene, a new candidate for diabetic nephropathy: results from a multi-stage genome-wide association study in patients with type 1 diabetes. Diabetologia, 2015, 58, 543-548.	2.9	43
48	Effect of 9p21.3 Coronary Artery Disease Locus Neighboring Genes on Atherosclerosis in Mice. Circulation, 2012, 126, 1896-1906.	1.6	41
49	Colocalization of GWAS and eQTL signals at loci with multiple signals identifies additional candidate genes for body fat distribution. Human Molecular Genetics, 2019, 28, 4161-4172.	1.4	41
50	Smooth muscle cells contract in response to fluid flow via a Ca²⁺-independent signaling mechanism. Journal of Applied Physiology, 2002, 93, 1907-1917.	1.2	40
51	Intrinsic transcriptomic sex differences in human endothelial cells at birth and in adults are associated with coronary artery disease targets. Scientific Reports, 2020, 10, 12367.	1.6	39
52	Epigenome-wide association in adipose tissue from the METSIM cohort. Human Molecular Genetics, 2018, 27, 1830-1846.	1.4	38
53	The Atherosclerosis Risk Variant rs2107595 Mediates Allele-Specific Transcriptional Regulation of HDAC9 via E2F3 and Rb1. Stroke, 2019, 50, 2651-2660.	1.0	38
54	Identification of breast cancer associated variants that modulate transcription factor binding. PLoS Genetics, 2017, 13, e1006761.	1.5	37

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55	Sex differences in human adipose tissue gene expression and genetic regulation involve adipogenesis. Genome Research, 2020, 30, 1379-1392.	2.4	35
56	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.	0.9	34
57	Adipose Co-expression networks across Finns and Mexicans identify novel triglyceride-associated genes. BMC Medical Genomics, 2012, 5, 61.	0.7	33
58	Regulation of NF-Î¹B signaling by oxidized glycerophospholipid and IL-1Î² induced miRs-21-3p and -27a-5p in human aortic endothelial cells. Journal of Lipid Research, 2015, 56, 38-50.	2.0	33
59	Endoplasmic Reticulum Stress, Redox, and a Proinflammatory Environment in Athero-Susceptible Endothelium In Vivo at Sites of Complex Hemodynamic Shear Stress. Antioxidants and Redox Signaling, 2011, 15, 1427-1432.	2.5	32
60	Intracellular Calcium Changes in Rat Aortic Smooth Muscle Cells in Response to Fluid Flow. Annals of Biomedical Engineering, 2002, 30, 371-378.	1.3	28
61	A plasma proteogenomic signature for fibromuscular dysplasia. Cardiovascular Research, 2020, 116, 63-77.	1.8	27
62	A Platelet Function Modulator of Thrombin Activation Is Causally Linked to Cardiovascular Disease and Affects PAR4 Receptor Signaling. American Journal of Human Genetics, 2020, 107, 211-221.	2.6	26
63	Role of lipid phosphate phosphatase 3 in human aortic endothelial cell function. Cardiovascular Research, 2016, 112, 702-713.	1.8	25
64	Transcription Factor KLF14 and Metabolic Syndrome. Frontiers in Cardiovascular Medicine, 2020, 7, 91.	1.1	23
65	Conducting the metabolic syndrome orchestra. Nature Genetics, 2011, 43, 506-508.	9.4	22
66	Trans-ancestry Fine Mapping and Molecular Assays Identify Regulatory Variants at the ANGPTL8 HDL-C GWAS Locus. G3: Genes, Genomes, Genetics, 2017, 7, 3217-3227.	0.8	19
67	A systems-approach reveals human nestin is an endothelial-enriched, angiogenesis-independent intermediate filament protein. Scientific Reports, 2018, 8, 14668.	1.6	19
68	The E3 ligase MARCH5 is a PPARÎ³ target gene that regulates mitochondria and metabolism in adipocytes. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E293-E304.	1.8	19
69	The Genetic Architecture of Carbon Tetrachloride-Induced Liver Fibrosis in Mice. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 199-220.	2.3	19
70	Genes in human obesity loci are causal obesity genes in C. elegans. PLoS Genetics, 2021, 17, e1009736.	1.5	17
71	Preservation Analysis of Macrophage Gene Coexpression Between Human and Mouse Identifies PARK2 as a Genetically Controlled Master Regulator of Oxidative Phosphorylation in Humans. G3: Genes, Genomes, Genetics, 2016, 6, 3361-3371.	0.8	15
72	Prelesional arterial endothelial phenotypes in hypercholesterolemia: universal ABCA1 upregulation contrasts with region-specific gene expression in vivo. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H163-H170.	1.5	14

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73	GSEAplot: A Package for Customizing Gene Set Enrichment Analysis in R. Journal of Computational Biology, 2021, 28, 629-631.	0.8	12
74	Genetic Regulation of Enoyl-CoA Hydratase Domain-Containing 3 in Adipose Tissue Determines Insulin Sensitivity in African Americans and Europeans. Diabetes, 2019, 68, 1508-1522.	0.3	11
75	Defining data-driven primary transcript annotations with primaryTranscriptAnnotation in R. Bioinformatics, 2020, 36, 2926-2928.	1.8	11
76	A proteomic atlas of the neointima identifies novel druggable targets for preventive therapy. European Heart Journal, 2021, 42, 1773-1785.	1.0	11
77	Scavenger receptor class A member 5 (SCARA5) and suprabasin (SBSN) are hub genes of coexpression network modules associated with peripheral vein graft patency. Journal of Vascular Surgery, 2016, 64, 202-209.e6.	0.6	9
78	Adipocyte-Specific Modulation of KLF14 Expression in Mice Leads to Sex-Dependent Impacts on Adiposity and Lipid Metabolism. Diabetes, 2022, 71, 677-693.	0.3	7
79	A Genome Wide Association Study on plasma FV levels identified PLXDC2 as a new modifier of the coagulation process. Journal of Thrombosis and Haemostasis, 2019, 17, 1808-1814.	1.9	6
80	Pcpe2, a Novel Extracellular Matrix Protein, Regulates Adipocyte SR-Blâ€“Mediated High-Density Lipoprotein Uptake. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 2708-2725.	1.1	6
81	A Suite of Tools for Biologists That Improve Accessibility and Visualization of Large Systems Genetics Datasets: Applications to the Hybrid Mouse Diversity Panel. Methods in Molecular Biology, 2017, 1488, 153-188.	0.4	5
82	Assessing exposure effects on gene expression. Genetic Epidemiology, 2020, 44, 601-610.	0.6	4
83	Discovery Approaches to UPR in Athero-Susceptible Endothelium In Vivo. Methods in Enzymology, 2011, 489, 109-126.	0.4	3
84	From Hairballs to an Understanding of Transendothelial Migration of Monocytes in Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1809-1810.	1.1	1
85	MicroRNAs and regulation of cardiometabolic phenotypes: novel insights into the complexity of genome-wide association studies loci. Cardiovascular Research, 2019, 115, 1570-1571.	1.8	1
86	A Smoking-Associated miRNA-mRNA Coexpression Network. Circulation: Cardiovascular Genetics, 2017, 10, .	5.1	0
87	Fluid Shear Stress Control of Vascular Smooth Muscle. , 2003, , 171-199.		0
88	Abstract 76: MicroRNA-144 Regulates Hepatic ABCA1 and Plasma HDL Following Activation of the Nuclear Receptor FXR. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, .	1.1	0
89	Abstract 253: NOTCH1 Protects Against Atherosclerosis by Repressing Endothelial Activation and Recruitment of Inflammatory Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, .	1.1	0
90	Endothelial NOTCH1 is suppressed by circulating lipids and antagonizes inflammation during atherosclerosis. Journal of Cell Biology, 2015, 211, 2114OIA269.	2.3	0

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91	Regulation of Brown Adipose Tissue Function by HuR. FASEB Journal, 2019, 33, 834.17.	0.2	0