Aldons J Lusis

List of Publications by Year
in descending order

356 papers	58,897 citations	2093 100 h-index	1152 229 g-index
381 all docs	381 docs citations	381 times ranked	60473 citing authors

#	Article	IF	Citations
1	Cardiomyocytes disrupt pyrimidine biosynthesis in nonmyocytes to regulate heart repair. Journal of Clinical Investigation, 2022, 132, .	3.9	16
2	Î²3-Adrenergic receptor downregulation leads to adipocyte catecholamine resistance in obesity. Journal of Clinical Investigation, 2022, 132, .	3.9	42
3	Gut microbe-targeted choline trimethylamine lyase inhibition improves obesity via rewiring of host circadian rhythms. ELife, 2022, 11, .	2.8	27
4	A mechanistic framework for cardiometabolic and coronary artery diseases. , 2022, 1, 85-100.		51
5	Placental genomics mediates genetic associations with complex health traits and disease. Nature Communications, 2022, 13, 706.	5.8	20
6	Transcriptome-wide association study of coronary artery disease identifies novel susceptibility genes. Basic Research in Cardiology, 2022, 117, 6.	2.5	22
7	Identification of DNA Damage Repair Enzyme <i>Ascc2</i> as Causal for Heart Failure With Preserved Ejection Fraction. Circulation, 2022, 145, 1102-1104.	1.6	6
8	Atherosclerosis: Recent developments. Cell, 2022, 185, 1630-1645.	13.5	311
9	Oxy210, a Semi-Synthetic Oxysterol, Exerts Anti-Inflammatory Effects in Macrophages via Inhibition of Toll-like Receptor (TLR) 4 and TLR2 Signaling and Modulation of Macrophage Polarization. International Journal of Molecular Sciences, 2022, 23, 5478.	1.8	9
10	Altered branched-chain Î±-keto acid metabolism is a feature of NAFLD in individuals with severe obesity. JCI Insight, 2022, 7, .	2.3	16
11	Sex differences in heart mitochondria regulate diastolic dysfunction. Nature Communications, 2022, 13, .	5.8	30
12	Local M-CSF (Macrophage Colony-Stimulating Factor) Expression Regulates Macrophage Proliferation and Apoptosis in Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 220-233.	1.1	38
13	Liver Pyruvate Kinase Promotes NAFLD/NASH in Both Mice and Humans in a Sex-Specific Manner. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 389-406.	2.3	37
14	The Genetic Architecture of Carbon Tetrachloride-Induced Liver Fibrosis in Mice. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 199-220.	2.3	19
15	Systems toxicogenomics of prenatal low-dose BPA exposure on liver metabolic pathways, gut microbiota, and metabolic health in mice. Environment International, 2021, 146, 106260.	4.8	42
16	<i>RIPK1</i> Expression Associates With Inflammation in Early Atherosclerosis in Humans and Can Be Therapeutically Silenced to Reduce NF-ÎºB Activation and Atherogenesis in Mice. Circulation, 2021, 143, 163-177.	1.6	102
17	Metabolic reprogramming and epigenetic changes of vital organs in SARS-CoV-2â€“induced systemic toxicity. JCI Insight, 2021, 6, .	2.3	57
18	An integrative multiomic network model links lipid metabolism to glucose regulation in coronary artery disease. Nature Communications, 2021, 12, 547.	5.8	35

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19	Genetic regulation of liver lipids in a mouse model of insulin resistance and hepatic steatosis. Molecular Systems Biology, 2021, 17, e9684.	3.2	16
20	Large-scale association analyses identify host factors influencing human gut microbiome composition. Nature Genetics, 2021, 53, 156-165.	9.4	676
21	Association of serum HDL-cholesterol and apolipoprotein A1 levels with risk of severe SARS-CoV-2 infection. Journal of Lipid Research, 2021, 62, 100061.	2.0	44
22	Machine Learning Reveals Time-Varying Microbial Predictors with Complex Effects on Glucose Regulation. MSystems, 2021, 6, .	1.7	13
23	Loop Diuretics Inhibit Renal Excretion of Trimethylamine N-Oxide. JACC Basic To Translational Science, 2021, 6, 103-115.	1.9	7
24	Integrative analysis of liver-specific non-coding regulatory SNPs associated with the risk of coronary artery disease. American Journal of Human Genetics, 2021, 108, 411-430.	2.6	20
25	A vicious cycle in atherosclerosis. Cell, 2021, 184, 1139-1141.	13.5	11
26	Lysophospholipid acylation modulates plasma membrane lipid organization and insulin sensitivity in skeletal muscle. Journal of Clinical Investigation, 2021, 131, .	3.9	34
27	Transcription Factor MAFF (MAF Basic Leucine Zipper Transcription Factor F) Regulates an Atherosclerosis Relevant Network Connecting Inflammation and Cholesterol Metabolism. Circulation, 2021, 143, 1809-1823.	1.6	28
28	ABCB10 exports mitochondrial biliverdin, driving metabolic maladaptation in obesity. Science Translational Medicine, 2021, 13, .	5.8	27
29	Sexually Dimorphic Relationships Among Saa3 (Serum Amyloid A3), Inflammation, and Cholesterol Metabolism Modulate Atherosclerosis in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, e299-e313.	1.1	10
30	Oxy210, a novel inhibitor of hedgehog and TGFâ€Î² signalling, ameliorates hepatic fibrosis and hypercholesterolemia in mice. Endocrinology, Diabetes and Metabolism, 2021, 4, e00296.	1.0	13
31	NOTUM promotes thermogenic capacity and protects against diet-induced obesity in male mice. Scientific Reports, 2021, 11, 16409.	1.6	3
32	Dietary and Pharmacologic Manipulations of Host Lipids and Their Interaction With the Gut Microbiome in Non-human Primates. Frontiers in Medicine, 2021, 8, 646710.	1.2	6
33	Genome-Wide Association Study Identifies a Functional <i>SIDT2</i> Variant Associated With HDL-C (High-Density Lipoprotein Cholesterol) Levels and Premature Coronary Artery Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 2494-2508.	1.1	10
34	Pcpe2, a Novel Extracellular Matrix Protein, Regulates Adipocyte SR-BIâ€“Mediated High-Density Lipoprotein Uptake. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 2708-2725.	1.1	6
35	Inhibition of microbiota-dependent TMAO production attenuates chronic kidney disease in mice. Scientific Reports, 2021, 11, 518.	1.6	70
36	Gene-Environment Interactions for Cardiovascular Disease. Current Atherosclerosis Reports, 2021, 23, 75.	2.0	12

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37	Sex-specific genetic regulation of adipose mitochondria and metabolic syndrome by Ndufv2. Nature Metabolism, 2021, 3, 1552-1568.	5.1	32
38	Serum lipids are associated with nonalcoholic fatty liver disease: a pilot case-control study in Mexico. Lipids in Health and Disease, 2021, 20, 136.	1.2	6
39	Glycogen metabolism links glucose homeostasis to thermogenesis in adipocytes. Nature, 2021, 599, 296-301.	13.7	36
40	Fecal Microbiome Composition Does Not Predict Dietâ€Induced TMAO Production in Healthy Adults. Journal of the American Heart Association, 2021, 10, e021934.	1.6	14
41	Roles of Macrophages in Atherogenesis. Frontiers in Pharmacology, 2021, 12, 785220.	1.6	38
42	The Nutritional Supplement L-Alpha Glycerylphosphorylcholine Promotes Atherosclerosis. International Journal of Molecular Sciences, 2021, 22, 13477.	1.8	16
43	Suppression of inflammatory arthritis in human serum paraoxonase 1 transgenic mice. Scientific Reports, 2020, 10, 16848.	1.6	9
44	RIPK1 gene variants associate with obesity in humans and can be therapeutically silenced to reduce obesity in mice. Nature Metabolism, 2020, 2, 1113-1125.	5.1	34
45	Estrogen receptor Î± controls metabolism in white and brown adipocytes by regulating <i>Polg1</i> and mitochondrial remodeling. Science Translational Medicine, 2020, 12, .	5.8	64
46	Host Genetic Background and Gut Microbiota Contribute to Differential Metabolic Responses to Fructose Consumption in Mice. Journal of Nutrition, 2020, 150, 2716-2728.	1.3	15
47	Fgr kinase is required for proinflammatory macrophage activation during diet-induced obesity. Nature Metabolism, 2020, 2, 974-988.	5.1	40
48	Natriuretic Peptide Receptor 2 Locus Contributes to Carotid Remodeling. Journal of the American Heart Association, 2020, 9, e014257.	1.6	4
49	Systems Genetics for Mechanistic Discovery in Heart Diseases. Circulation Research, 2020, 126, 1795-1815.	2.0	8
50	FAM13A affects body fat distribution and adipocyte function. Nature Communications, 2020, 11, 1465.	5.8	36
51	Type V Collagen in Scar Tissue Regulates the Size of Scar after Heart Injury. Cell, 2020, 182, 545-562.e23.	13.5	113
52	Tribute to Dr. Steve Schwartz. Journal of Molecular and Cellular Cardiology, 2020, 147, A5-A6.	0.9	0
53	Collaborative interactions of heterogenous ribonucleoproteins contribute to transcriptional regulation of sterol metabolism in mice. Nature Communications, 2020, 11, 984.	5.8	10
54	Rosuvastatin Prevents the Exacerbation of Atherosclerosis in Ligature-Induced Periodontal Disease Mouse Model. Scientific Reports, 2020, 10, 6383.	1.6	20

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55	Modeling epistasis in mice and yeast using the proportion of two or more distinct genetic backgrounds: Evidence for â€œpolygenic epistasisâ€. PLoS Genetics, 2020, 16, e1009165.	1.5	7
56	Landscape of Intercellular Crosstalk in Healthy and NASH Liver Revealed by Single-Cell Secretome Gene Analysis. Molecular Cell, 2019, 75, 644-660.e5.	4.5	488
57	Obese Individuals with and without Type 2 Diabetes Show Different Gut Microbial Functional Capacity and Composition. Cell Host and Microbe, 2019, 26, 252-264.e10.	5.1	274
58	Isoproterenol-Induced Cardiac Diastolic Dysfunction in Mice: A Systems Genetics Analysis. Frontiers in Cardiovascular Medicine, 2019, 6, 100.	1.1	15
59	Diesel Exhaust Induces Mitochondrial Dysfunction, Hyperlipidemia, and Liver Steatosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1776-1786.	1.1	30
60	Sex-specific metabolic functions of adipose Lipocalin-2. Molecular Metabolism, 2019, 30, 30-47.	3.0	41
61	Y-Chromosome Genetic Variation Associated With Atherosclerosis and Inflammation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 2201-2202.	1.1	3
62	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
63	Gene-by-Sex Interactions in Mitochondrial Functions and Cardio-Metabolic Traits. Cell Metabolism, 2019, 29, 932-949.e4.	7.2	79
64	Systems genetics applications in metabolism research. Nature Metabolism, 2019, 1, 1038-1050.	5.1	35
65	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
66	Diesel exhaust particles dysregulate multiple immunological pathways in murine macrophages: Lessons from microarray and scRNA-seq technologies. Archives of Biochemistry and Biophysics, 2019, 678, 108116.	1.4	10
67	Systems-based approaches for investigation of inter-tissue communication. Journal of Lipid Research, 2019, 60, 450-455.	2.0	9
68	PON2 Deficiency Leads to Increased Susceptibility to Diet-Induced Obesity. Antioxidants, 2019, 8, 19.	2.2	19
69	XX sex chromosome complement promotes atherosclerosis in mice. Nature Communications, 2019, 10, 2631.	5.8	48
70	Pathologic gene network rewiring implicates PPP1R3A as a central regulator in pressure overload heart failure. Nature Communications, 2019, 10, 2760.	5.8	22
71	Contribution of Gene Regulatory Networks to Heritability of CoronaryÂArtery Disease. Journal of the American College of Cardiology, 2019, 73, 2946-2957.	1.2	45
72	Targeting BCAA Catabolism to Treat Obesity-Associated Insulin Resistance. Diabetes, 2019, 68, 1730-1746.	0.3	201

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73	Genetic Deficiency of Flavin-Containing Monooxygenase 3 (<i>Fmo3</i>) Protects Against Thrombosis but Has Only a Minor Effect on Plasma Lipid Levelsâ€”Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1045-1054.	1.1	41
74	Noggin depletion in adipocytes promotes obesity in mice. Molecular Metabolism, 2019, 25, 50-63.	3.0	14
75	Targeted deletion of Tcf7l2 in adipocytes promotes adipocyte hypertrophy and impaired glucose metabolism. Molecular Metabolism, 2019, 24, 44-63.	3.0	46
76	A comparison between whole transcript and 3â€™ RNA sequencing methods using Kapa and Lexogen library preparation methods. BMC Genomics, 2019, 20, 9.	1.2	66
77	An integrative systems genetic analysis of mammalian lipid metabolism. Nature, 2019, 567, 187-193.	13.7	101
78	DNA Methylation Changes More Slowly Than Physiological States in Response to Weight Loss in Genetically Diverse Mouse Strains. Frontiers in Endocrinology, 2019, 10, 882.	1.5	7
79	A GWAS approach identifies Dapp1 as a determinant of air pollution-induced airway hyperreactivity. PLoS Genetics, 2019, 15, e1008528.	1.5	9
80	The impact of exercise on mitochondrial dynamics and the role of Drp1 in exercise performance and training adaptations in skeletal muscle. Molecular Metabolism, 2019, 21, 51-67.	3.0	83
81	Genetic control of the mouse HDL proteome defines HDL traits, function, and heterogeneity. Journal of Lipid Research, 2019, 60, 594-608.	2.0	19
82	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
83	Obesity-linked suppression of membrane-bound O-acyltransferase 7 (MBOAT7) drives non-alcoholic fatty liver disease. ELife, 2019, 8, .	2.8	93
84	A personalized, multiomics approach identifies genes involved in cardiac hypertrophy and heart failure. Npj Systems Biology and Applications, 2018, 4, 12.	1.4	22
85	Topological Arrangement of Cardiac Fibroblasts Regulates Cellular Plasticity. Circulation Research, 2018, 123, 73-85.	2.0	42
86	Integration of human adipocyte chromosomal interactions with adipose gene expression prioritizes obesity-related genes from GWAS. Nature Communications, 2018, 9, 1512.	5.8	75
87	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
88	Genomewide Association Study Identifies Cxcl Family Members as Partial Mediators of LPS-Induced Periodontitis. Journal of Bone and Mineral Research, 2018, 33, 1450-1463.	3.1	21
89	Integration of Multi-omics Data from Mouse Diversity Panel Highlights Mitochondrial Dysfunction in Non-alcoholic Fatty Liver Disease. Cell Systems, 2018, 6, 103-115.e7.	2.9	124
90	Transcriptional regulation of macrophage cholesterol efflux and atherogenesis by a long noncoding RNA. Nature Medicine, 2018, 24, 304-312.	15.2	171

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91	A Strategy for Discovery of Endocrine Interactions with Application to Whole-Body Metabolism. Cell Metabolism, 2018, 27, 1138-1155.e6.	7.2	58
92	Epigenome-wide association in adipose tissue from the METSIM cohort. Human Molecular Genetics, 2018, 27, 1830-1846.	1.4	38
93	IL-10 Signaling Remodels Adipose Chromatin Architecture to Limit Thermogenesis and Energy Expenditure. Cell, 2018, 172, 218-233.e17.	13.5	142
94	Systems Genetics Approach to Biomarker Discovery: GPNMB and Heart Failure in Mice and Humans. G3: Genes, Genomes, Genetics, 2018, 8, 3499-3506.	0.8	14
95	Using the natural variation of mouse populations to understand host-gut microbiome interactions. Drug Discovery Today: Disease Models, 2018, 28, 61-71.	1.2	6
96	Mouse genome-wide association studies and systems genetics uncover the genetic architecture associated with hepatic pharmacokinetic and pharmacodynamic properties of a constrained ethyl antisense oligonucleotide targeting Malat1. PLoS Genetics, 2018, 14, e1007732.	1.5	7
97	Maternal High-Protein and Low-Protein Diets Perturb Hypothalamus and Liver Transcriptome and Metabolic Homeostasis in Adult Mouse Offspring. Frontiers in Genetics, 2018, 9, 642.	1.1	6
98	Impact of Individual Traits, Saturated Fat, and Protein Source on the Gut Microbiome. MBio, 2018, 9, .	1.8	70
99	Regulator of Calcineurin 1 helps coordinate wholeâ€body metabolism and thermogenesis. EMBO Reports, 2018, 19, .	2.0	30
100	Interactions between Roseburia intestinalis and diet modulate atherogenesis in a murine model. Nature Microbiology, 2018, 3, 1461-1471.	5.9	310
101	Tissue-specific pathways and networks underlying sexual dimorphism in non-alcoholic fatty liver disease. Biology of Sex Differences, 2018, 9, 46.	1.8	65
102	Sex differences in metabolism and cardiometabolic disorders. Current Opinion in Lipidology, 2018, 29, 404-410.	1.2	78
103	Microbial Transplantation With Human Gut Commensals Containing CutC Is Sufficient to Transmit Enhanced Platelet Reactivity and Thrombosis Potential. Circulation Research, 2018, 123, 1164-1176.	2.0	122
104	Genetic, dietary, and sex-specific regulation of hepatic ceramides and the relationship between hepatic ceramides and IR [S]. Journal of Lipid Research, 2018, 59, 1164-1174.	2.0	26
105	Genetic Regulation of Fibroblast Activation and Proliferation in Cardiac Fibrosis. Circulation, 2018, 138, 1224-1235.	1.6	56
106	Development of a gut microbeâ€“targeted nonlethal therapeutic to inhibit thrombosis potential. Nature Medicine, 2018, 24, 1407-1417.	15.2	383
107	Transcription Factor <i>Zhx2</i> Deficiency Reduces Atherosclerosis and Promotes Macrophage Apoptosis in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 2016-2027.	1.1	23
108	Oxidized phospholipids regulate amino acid metabolism through MTHFD2 to facilitate nucleotide release in endothelial cells. Nature Communications, 2018, 9, 2292.	5.8	44

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109	The Genetic Architecture of Dietâ€Induced Hepatic Fibrosis in Mice. Hepatology, 2018, 68, 2182-2196.	3.6	51
110	A multi-tissue full lifespan epigenetic clock for mice. Aging, 2018, 10, 2832-2854.	1.4	166
111	The Ca2+ transient as a feedback sensor controlling cardiomyocyte ionic conductances in mouse populations. ELife, 2018, 7, .	2.8	22
112	Diet, gonadal sex, and sex chromosome complement influence white adipose tissue miRNA expression. BMC Genomics, 2017, 18, 89.	1.2	40
113	The Metabolic Syndrome in Men study: a resource for studies of metabolic and cardiovascular diseases. Journal of Lipid Research, 2017, 58, 481-493.	2.0	147
114	The State of Systems Genetics in 2017. Cell Systems, 2017, 4, 7-15.	2.9	29
115	Genetic Regulation of Adipose Gene Expression and Cardio-Metabolic Traits. American Journal of Human Genetics, 2017, 100, 428-443.	2.6	141
116	Relationships between gut microbiota, plasma metabolites, and metabolic syndrome traits in the METSIM cohort. Genome Biology, 2017, 18, 70.	3.8	245
117	Multi-omics approaches to disease. Genome Biology, 2017, 18, 83.	3.8	1,439
118	Functional Characterization of the <i>GUCY1A3</i> Coronary Artery Disease Risk Locus. Circulation, 2017, 136, 476-489.	1.6	84
119	Applications and Limitations of Mouse Models for Understanding Human Atherosclerosis. Cell Metabolism, 2017, 25, 248-261.	7.2	161
120	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
121	A systems genetics approach identifiesTrp53inp2as a link between cardiomyocyte glucose utilization and hypertrophic response. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H728-H741.	1.5	12
122	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
123	Recommendation on Design, Execution, and Reporting of Animal Atherosclerosis Studies: A Scientific Statement From the American Heart Association. Circulation Research, 2017, 121, e53-e79.	2.0	69
124	Recommendation on Design, Execution, and Reporting of Animal Atherosclerosis Studies: A Scientific Statement From the American Heart Association. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, e131-e157.	1.1	262
125	Natural variation of macrophage activation as disease-relevant phenotype predictive of inflammation and cancer survival. Nature Communications, 2017, 8, 16041.	5.8	113
126	<i>Trans</i>-ancestry Fine Mapping and Molecular Assays Identify Regulatory Variants at the <i>ANGPTL8</i> HDL-C GWAS Locus. G3: Genes, Genomes, Genetics, 2017, 7, 3217-3227.	0.8	19

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127	Frequency of mononuclear diploid cardiomyocytes underlies natural variation in heart regeneration. Nature Genetics, 2017, 49, 1346-1353.	9.4	252
128	<i>Hamp1</i> mRNA and plasma hepcidin levels are influenced by sex and strain but do not predict tissue iron levels in inbred mice. American Journal of Physiology - Renal Physiology, 2017, 313, G511-G523.	1.6	8
129	Association between the gut microbiome and atherosclerosis. Nature Reviews Cardiology, 2017, 14, 699-700.	6.1	60
130	Transgenic tomatoes expressing the 6F peptide and ezetimibe prevent diet-induced increases of IFN-Î^{2} and cholesterol 25-hydroxylase in jejunum. Journal of Lipid Research, 2017, 58, 1636-1647.	2.0	13
131	Cardiac Fibroblasts Adopt Osteogenic Fates and Can Be Targeted to Attenuate Pathological Heart Calcification. Cell Stem Cell, 2017, 20, 218-232.e5.	5.2	86
132	Genetic and hormonal control of hepatic steatosis in female and male mice. Journal of Lipid Research, 2017, 58, 178-187.	2.0	46
133	Systems Genetics Approach Identifies Gene Pathways and Adamts2 as Drivers of Isoproterenol-Induced Cardiac Hypertrophy and Cardiomyopathy in Mice. Cell Systems, 2017, 4, 121-128.e4.	2.9	39
134	Glucose inhibits cardiac muscle maturation through nucleotide biosynthesis. ELife, 2017, 6, .	2.8	142
135	Shared genetic regulatory networks for cardiovascular disease and type 2 diabetes in multiple populations of diverse ethnicities in the United States. PLoS Genetics, 2017, 13, e1007040.	1.5	82
136	Inaugural Charles River World Congress on Animal Models in Drug Discovery and Development. Journal of Translational Medicine, 2017, 15, .	1.8	1
137	Genetic Dissection of Cardiac Remodeling in an Isoproterenol-Induced Heart Failure Mouse Model. PLoS Genetics, 2016, 12, e1006038.	1.5	70
138	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
139	Efficient and Accurate Multiple-Phenotype Regression Method for High Dimensional Data Considering Population Structure. Genetics, 2016, 204, 1379-1390.	1.2	26
140	Relationship of disease-associated gene expression to cardiac phenotype is buffered by genetic diversity and chromatin regulation. Physiological Genomics, 2016, 48, 601-615.	1.0	4
141	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
142	Role of lipid phosphate phosphatase 3 in human aortic endothelial cell function. Cardiovascular Research, 2016, 112, 702-713.	1.8	25
143	Genome-Wide Association Analysis Identifies Dcc as an Essential Factor in the Innervation of the Peripheral Vestibular System in Inbred Mice. JARO - Journal of the Association for Research in Otolaryngology, 2016, 17, 417-431.	0.9	2
144	The Genetic Architecture of Noise-Induced Hearing Loss: Evidence for a Gene-by-Environment Interaction. G3: Genes, Genomes, Genetics, 2016, 6, 3219-3228.	0.8	24

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145	Elevated Adiponectin Levels Suppress Perivascular and Aortic Inflammation and Prevent AngII-induced Advanced Abdominal Aortic Aneurysms. Scientific Reports, 2016, 6, 31414.	1.6	15
146	Mergeomics: multidimensional data integration to identify pathogenic perturbations to biological systems. BMC Genomics, 2016, 17, 874.	1.2	106
147	CD47-blocking antibodies restore phagocytosis and prevent atherosclerosis. Nature, 2016, 536, 86-90.	13.7	443
148	Discovering Single Nucleotide Polymorphisms Regulating Human Gene Expression Using Allele Specific Expression from RNA-seq Data. Genetics, 2016, 204, 1057-1064.	1.2	17
149	Skeletal muscle action of estrogen receptor Î± is critical for the maintenance of mitochondrial function and metabolic homeostasis in females. Science Translational Medicine, 2016, 8, 334ra54.	5.8	174
150	Chromatin variation associated with liver metabolism is mediated by transposable elements. Epigenetics and Chromatin, 2016, 9, 28.	1.8	37
151	Reciprocal Regulation of the Cardiac Epigenome by Chromatin Structural Proteins Hmgb and Ctcf. Journal of Biological Chemistry, 2016, 291, 15428-15446.	1.6	30
152	Cross-Tissue Regulatory Gene Networks in Coronary Artery Disease. Cell Systems, 2016, 2, 196-208.	2.9	120
153	Imputing Phenotypes for Genome-wide Association Studies. American Journal of Human Genetics, 2016, 99, 89-103.	2.6	40
154	Sex differences and hormonal effects on gut microbiota composition in mice. Gut Microbes, 2016, 7, 313-322.	4.3	564
155	DNA Methylation Indicates Susceptibility to Isoproterenol-Induced Cardiac Pathology and Is Associated With Chromatin States. Circulation Research, 2016, 118, 786-797.	2.0	40
156	Integrative approaches for large-scale transcriptome-wide association studies. Nature Genetics, 2016, 48, 245-252.	9.4	1,618
157	Gut Microbial Metabolite TMAO Enhances Platelet Hyperreactivity and Thrombosis Risk. Cell, 2016, 165, 111-124.	13.5	1,358
158	Trimethylamine Nâ€Oxide Promotes Vascular Inflammation Through Signaling of Mitogenâ€Activated Protein Kinase and Nuclear Factorâ€ÎºB. Journal of the American Heart Association, 2016, 5, .	1.6	579
159	Proteomic analysis of HDL from inbred mouse strains implicates APOE associated with HDL in reduced cholesterol efflux capacity via the ABCA1 pathway. Journal of Lipid Research, 2016, 57, 246-257.	2.0	43
160	A comprehensive catalogue of the coding and non-coding transcripts of the human inner ear. Hearing Research, 2016, 333, 266-274.	0.9	51
161	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
162	Hypothalamic transcriptomes of 99 mouse strains reveal trans eQTL hotspots, splicing QTLs and novel non-coding genes. ELife, 2016, 5, .	2.8	35

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163	Abstract 625: Targeting of Heparin Binding EGF-like Growth Factor (HBEGF) Suppresses Hyperlipidemia and Atherosclerosis in LDL Receptor Deficient Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, .	1.1	0
164	Cardiovascular disease genes come together. Atherosclerosis, 2015, 242, 630-631.	0.4	3
165	The Genetic Architecture of Hearing Impairment in Mice: Evidence for Frequency-Specific Genetic Determinants. G3: Genes, Genomes, Genetics, 2015, 5, 2329-2339.	0.8	16
166	High-Density Genotypes of Inbred Mouse Strains: Improved Power and Precision of Association Mapping. G3: Genes, Genomes, Genetics, 2015, 5, 2021-2026.	0.8	37
167	Genetics of common forms of heart failure. Current Opinion in Cardiology, 2015, 30, 222-227.	0.8	28
168	Regulation of NF-ÎºB 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
169	Unraveling the environmental and genetic interactions inÂatherosclerosis: Central role of the gut microbiota. Atherosclerosis, 2015, 241, 387-399.	0.4	67
170	Epigenome-Wide Association of Liver Methylation Patterns and Complex Metabolic Traits in Mice. Cell Metabolism, 2015, 21, 905-917.	7.2	98
171	Non-lethal Inhibition of Gut Microbial Trimethylamine Production for the Treatment of Atherosclerosis. Cell, 2015, 163, 1585-1595.	13.5	974
172	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
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354	A gene-controlling response of bone marrow progenitor cells to granulocyte-macrophage colony stimulating factors. Journal of Cellular Physiology, 1985, 124, 293-298.	2.0	0
355	Human apolipoprotein B: partial amino acid sequence. FEBS Letters, 1984, 170, 105-108.	1.3	29
356	Translation of mRNA for human granulocyteâ€"macrophage colony stimulating factor. Nature, 1982, 298, 75-77.	13.7	21