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	Atherosclerosis. Nature, 2000, 407, 233-241.	13.7	4,551
2	Gut flora metabolism of phosphatidylcholine promotes cardiovascular disease. Nature, 2011, 472, 57-63.	13.7	4,238
3	Intestinal microbiota metabolism of l-carnitine, a nutrient in red meat, promotes atherosclerosis. Nature Medicine, 2013, 19, 576-585.	15.2	3,355
4	Integrative approaches for large-scale transcriptome-wide association studies. Nature Genetics, 2016, 48, 245-252.	9.4	1,618
5	Multi-omics approaches to disease. Genome Biology, 2017, 18, 83.	3.8	1,439
6	Genetics of gene expression surveyed in maize, mouse and man. Nature, 2003, 422, 297-302.	13.7	1,401
7	Atherosclerosis: Basic Mechanisms. Circulation, 1995, 91, 2488-2496.	1.6	1,387
8	Gut Microbial Metabolite TMAO Enhances Platelet Hyperreactivity and Thrombosis Risk. Cell, 2016, 165, 111-124.	13.5	1,358
9	The Collaborative Cross, a community resource for the genetic analysis of complex traits. Nature Genetics, 2004, 36, 1133-1137.	9.4	1,034
10	Mice lacking serum paraoxonase are susceptible to organophosphate toxicity and atherosclerosis. Nature, 1998, 394, 284-287.	13.7	1,017
11	Non-lethal Inhibition of Gut Microbial Trimethylamine Production for the Treatment of Atherosclerosis. Cell, 2015, 163, 1585-1595.	13.5	974
12	An integrative genomics approach to infer causal associations between gene expression and disease. Nature Genetics, 2005, 37, 710-717.	9.4	967
13	Mapping the Genetic Architecture of Gene Expression in Human Liver. PLoS Biology, 2008, 6, e107.	2.6	872
14	Variations in DNA elucidate molecular networks that cause disease. Nature, 2008, 452, 429-435.	13.7	840
15	Trimethylamine-N-Oxide, a Metabolite Associated with Atherosclerosis, Exhibits Complex Genetic and Dietary Regulation. Cell Metabolism, 2013, 17, 49-60.	7.2	794
16	Tissue-specific expression and regulation of sexually dimorphic genes in mice. Genome Research, 2006, 16, 995-1004.	2.4	785
17	Large-scale association analyses identify host factors influencing human gut microbiome composition. Nature Genetics, 2021, 53, 156-165.	9.4	676
18	Thematic review series: The Pathogenesis of Atherosclerosis The oxidation hypothesis of atherogenesis: the role of oxidized phospholipids and HDL. Journal of Lipid Research, 2004, 45, 993-1007.	2.0	585

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19	Trimethylamine Nâ€Oxide Promotes Vascular Inflammation Through Signaling of Mitogenâ€Activated Protein Kinase and Nuclear Factorâ€Î°B. Journal of the American Heart Association, 2016, 5, .	1.6	579
20	Arachidonate 5-Lipoxygenase Promoter Genotype, Dietary Arachidonic Acid, and Atherosclerosis. New England Journal of Medicine, 2004, 350, 29-37.	13.9	571
21	Sex differences and hormonal effects on gut microbiota composition in mice. Gut Microbes, 2016, 7, 313-322.	4.3	564
22	The Yin and Yang of Oxidation in the Development of the Fatty Streak. Arteriosclerosis, Thrombosis, and Vascular Biology, 1996, 16, 831-842.	1.1	553
23	Comparative Analysis of Proteome and Transcriptome Variation in Mouse. PLoS Genetics, 2011, 7, e1001393.	1.5	548
24	Systems genetics approaches to understand complex traits. Nature Reviews Genetics, 2014, 15, 34-48.	7.7	529
25	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
26	Molecular basis of the little mouse phenotype and Implications for cell type-specific growth. Nature, 1993, 364, 208-213.	13.7	477
27	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
28	Individual diet has sex-dependent effects on vertebrate gut microbiota. Nature Communications, 2014, 5, 4500.	5.8	464
29	Mechanisms underlying adverse effects of HDL on eNOS-activating pathways in patients with coronary artery disease. Journal of Clinical Investigation, 2011, 121, 2693-2708.	3.9	464
30	Relationship of Paraoxonase 1 (PON1) Gene Polymorphisms and Functional Activity With Systemic Oxidative Stress and Cardiovascular Risk. JAMA - Journal of the American Medical Association, 2008, 299, 1265.	3.8	463
31	CD47-blocking antibodies restore phagocytosis and prevent atherosclerosis. Nature, 2016, 536, 86-90.	13.7	443
32	Integrating Genetic and Network Analysis to Characterize Genes Related to Mouse Weight. PLoS Genetics, 2006, 2, e130.	1.5	419
33	Î³-Butyrobetaine Is a Proatherogenic Intermediate in Gut Microbial Metabolism of L-Carnitine to TMAO. Cell Metabolism, 2014, 20, 799-812.	7.2	416
34	Decreased Atherosclerotic Lesion Formation in Human Serum Paraoxonase Transgenic Mice. Circulation, 2002, 106, 484-490.	1.6	412
35	Transmission of Atherosclerosis Susceptibility with Gut Microbial Transplantation. Journal of Biological Chemistry, 2015, 290, 5647-5660.	1.6	400
36	Identification of 5-Lipoxygenase as a Major Gene Contributing to Atherosclerosis Susceptibility in Mice. Circulation Research, 2002, 91, 120-126.	2.0	387

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37	Development of a gut microbeâ€“targeted nonlethal therapeutic to inhibit thrombosis potential. Nature Medicine, 2018, 24, 1407-1417.	15.2	383
38	Combined Serum Paraoxonase Knockout/Apolipoprotein E Knockout Mice Exhibit Increased Lipoprotein Oxidation and Atherosclerosis. Journal of Biological Chemistry, 2000, 275, 17527-17535.	1.6	371
39	The Unfolded Protein Response Is an Important Regulator of Inflammatory Genes in Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 2490-2496.	1.1	320
40	Human Paraoxonase-3 Is an HDL-Associated Enzyme With Biological Activity Similar to Paraoxonase-1 Protein but Is Not Regulated by Oxidized Lipids. Arteriosclerosis, Thrombosis, and Vascular Biology, 2001, 21, 542-547.	1.1	319
41	Atherosclerosis: Recent developments. Cell, 2022, 185, 1630-1645.	13.5	311
42	Interactions between Roseburia intestinalis and diet modulate atherogenesis in a murine model. Nature Microbiology, 2018, 3, 1461-1471.	5.9	310
43	The TMAO-Generating Enzyme Flavin Monooxygenase 3 Is a Central Regulator of Cholesterol Balance. Cell Reports, 2015, 10, 326-338.	2.9	307
44	Dosage compensation is less effective in birds than in mammals. Journal of Biology, 2007, 6, 2.	2.7	304
45	Identification of inflammatory gene modules based on variations of human endothelial cell responses to oxidized lipids. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12741-12746.	3.3	303
46	A high-resolution association mapping panel for the dissection of complex traits in mice. Genome Research, 2010, 20, 281-290.	2.4	299
47	Familial combined hyperlipidemia is associated with upstream transcription factor 1 (USF1). Nature Genetics, 2004, 36, 371-376.	9.4	295
48	Increased atherosclerosis in myeloperoxidase-deficient mice. Journal of Clinical Investigation, 2001, 107, 419-430.	3.9	292
49	Metabolic syndrome: from epidemiology to systems biology. Nature Reviews Genetics, 2008, 9, 819-830.	7.7	289
50	Genetic and environmental control of host-gut microbiota interactions. Genome Research, 2015, 25, 1558-1569.	2.4	288
51	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
52	GENETICS OF ATHEROSCLEROSIS. Annual Review of Genomics and Human Genetics, 2004, 5, 189-218.	2.5	265
53	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
54	Validation of candidate causal genes for obesity that affect shared metabolic pathways and networks. Nature Genetics, 2009, 41, 415-423.	9.4	257

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55	CHAC1/MGC4504 Is a Novel Proapoptotic Component of the Unfolded Protein Response, Downstream of the ATF4-ATF3-CHOP Cascade. Journal of Immunology, 2009, 182, 466-476.	0.4	255
56	Flavin containing monooxygenase 3 exerts broad effects on glucose and lipid metabolism and atherosclerosis. Journal of Lipid Research, 2015, 56, 22-37.	2.0	254
57	Frequency of mononuclear diploid cardiomyocytes underlies natural variation in heart regeneration. Nature Genetics, 2017, 49, 1346-1353.	9.4	252
58	Cis-acting expression quantitative trait loci in mice. Genome Research, 2005, 15, 681-691.	2.4	246
59	Relationships between gut microbiota, plasma metabolites, and metabolic syndrome traits in the METSIM cohort. Genome Biology, 2017, 18, 70.	3.8	245
60	Ligand activation of LXRÎ² reverses atherosclerosis and cellular cholesterol overload in mice lacking LXRÎ± and apoE. Journal of Clinical Investigation, 2007, 117, 2337-2346.	3.9	244
61	Role of Group II Secretory Phospholipase A₂in Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 1999, 19, 1284-1290.	1.1	236
62	Elucidating the Role of Gonadal Hormones in Sexually Dimorphic Gene Coexpression Networks. Endocrinology, 2009, 150, 1235-1249.	1.4	224
63	Integrating genotypic and expression data in a segregating mouse population to identify 5-lipoxygenase as a susceptibility gene for obesity and bone traits. Nature Genetics, 2005, 37, 1224-1233.	9.4	210
64	Targeting BCAA Catabolism to Treat Obesity-Associated Insulin Resistance. Diabetes, 2019, 68, 1730-1746.	0.3	201
65	Endothelial Responses to Oxidized Lipoproteins Determine Genetic Susceptibility to Atherosclerosis in Mice. Circulation, 2000, 102, 75-81.	1.6	196
66	Genetic Architecture of Insulin Resistance in the Mouse. Cell Metabolism, 2015, 21, 334-347.	7.2	196
67	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
68	Integrative Genomics Reveals Novel Molecular Pathways and Gene Networks for Coronary Artery Disease. PLoS Genetics, 2014, 10, e1004502.	1.5	192
69	Heme Oxygenase-1 Expression in Macrophages Plays a Beneficial Role in Atherosclerosis. Circulation Research, 2007, 100, 1703-1711.	2.0	179
70	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
71	Transcriptional regulation of macrophage cholesterol efflux and atherogenesis by a long noncoding RNA. Nature Medicine, 2018, 24, 304-312.	15.2	171
72	Genetic Basis of Atherosclerosis: Part I. Circulation, 2004, 110, 1868-1873.	1.6	166

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73	A multi-tissue full lifespan epigenetic clock for mice. Aging, 2018, 10, 2832-2854.	1.4	166
74	Genetic and Genomic Analysis of a Fat Mass Trait with Complex Inheritance Reveals Marked Sex Specificity. PLoS Genetics, 2006, 2, e15.	1.5	161
75	Applications and Limitations of Mouse Models for Understanding Human Atherosclerosis. Cell Metabolism, 2017, 25, 248-261.	7.2	161
76	FXR Deficiency Causes Reduced Atherosclerosis in Ldlr â^'/â^' Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 2316-2321.	1.1	153
77	Paraoxonase-2 Deficiency Aggravates Atherosclerosis in Mice Despite Lower Apolipoprotein-B-containing Lipoproteins. Journal of Biological Chemistry, 2006, 281, 29491-29500.	1.6	149
78	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
79	NF-E2â€"Related Factor 2 Promotes Atherosclerosis by Effects on Plasma Lipoproteins and Cholesterol Transport That Overshadow Antioxidant Protection. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 58-66.	1.1	146
80	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
81	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
82	Glucose inhibits cardiac muscle maturation through nucleotide biosynthesis. ELife, 2017, 6, .	2.8	142
83	IL-10 Signaling Remodels Adipose Chromatin Architecture to Limit Thermogenesis and Energy Expenditure. Cell, 2018, 172, 218-233.e17.	13.5	142
84	Genetic Regulation of Adipose Gene Expression and Cardio-Metabolic Traits. American Journal of Human Genetics, 2017, 100, 428-443.	2.6	141
85	Determinants of Atherosclerosis Susceptibility in the C3H and C57BL/6 Mouse Model. Circulation Research, 2000, 86, 1078-1084.	2.0	138
86	Using genetic markers to orient the edges in quantitative trait networks: The NEO software. BMC Systems Biology, 2008, 2, 34.	3.0	138
87	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
88	Unraveling Inflammatory Responses using Systems Genetics and Gene-Environment Interactions in Macrophages. Cell, 2012, 151, 658-670.	13.5	134
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	Genetic Architecture of Atherosclerosis in Mice: A Systems Genetics Analysis of Common Inbred Strains. PLoS Genetics, 2015, 11, e1005711.	1.5	124

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91	Cardiovascular Networks. Circulation, 2010, 121, 157-170.	1.6	123
92	Association Between Serum Amyloid A Proteins and Coronary Artery Disease. Circulation, 1997, 96, 2914-2919.	1.6	123
93	Identification of Abcc6 as the major causal gene for dystrophic cardiac calcification in mice through integrative genomics. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4530-4535.	3.3	122
94	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
95	Cross-Tissue Regulatory Gene Networks in Coronary Artery Disease. Cell Systems, 2016, 2, 196-208.	2.9	120
96	Comparative Genome-Wide Association Studies in Mice and Humans for Trimethylamine <i>N</i> -Oxide, a Proatherogenic Metabolite of Choline and <scp>l</scp> -Carnitine. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1307-1313.	1.1	119
97	Network for Activation of Human Endothelial Cells by Oxidized Phospholipids. Circulation Research, 2011, 109, e27-41.	2.0	117
98	The apolipoprotein(a) gene resides on human chromosome 6q26?27, in close proximity to the homologous gene for plasminogen. Human Genetics, 1988, 79, 352-6.	1.8	116
99	Genome Scan for Blood Pressure in Dutch Dyslipidemic Families Reveals Linkage to a Locus on Chromosome 4p. Hypertension, 2001, 38, 773-778.	1.3	116
100	Natural variation of macrophage activation as disease-relevant phenotype predictive of inflammation and cancer survival. Nature Communications, 2017, 8, 16041.	5.8	113
101	Type V Collagen in Scar Tissue Regulates the Size of Scar after Heart Injury. Cell, 2020, 182, 545-562.e23.	13.5	113
102	Identification of Pathways for Atherosclerosis in Mice. Circulation Research, 2007, 101, e11-30.	2.0	108
103	Mouse Genome-Wide Association and Systems Genetics Identify Asxl2 As a Regulator of Bone Mineral Density and Osteoclastogenesis. PLoS Genetics, 2011, 7, e1002038.	1.5	108
104	Air-pollutant chemicals and oxidized lipids exhibit genome-wide synergistic effects on endothelial cells. Genome Biology, 2007, 8, R149.	13.9	107
105	Mergeomics: multidimensional data integration to identify pathogenic perturbations to biological systems. BMC Genomics, 2016, 17, 874.	1.2	106
106	Systems Genetics Analysis of Gene-by-Environment Interactions in Human Cells. American Journal of Human Genetics, 2010, 86, 399-410.	2.6	103
107	<i>RIPK1</i> Expression Associates With Inflammation in Early Atherosclerosis in Humans and Can Be Therapeutically Silenced to Reduce NF-Î°B Activation and Atherogenesis in Mice. Circulation, 2021, 143, 163-177.	1.6	102
108	Prediction of Causal Candidate Genes in Coronary Artery Disease Loci. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 2207-2217.	1.1	101

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109	An integrative systems genetic analysis of mammalian lipid metabolism. Nature, 2019, 567, 187-193.	13.7	101
110	Mapping a gene for combined hyperlipidaemia in a mutant mouse strain. Nature Genetics, 1998, 18, 374-377.	9.4	98
111	Epigenome-Wide Association of Liver Methylation Patterns and Complex Metabolic Traits in Mice. Cell Metabolism, 2015, 21, 905-917.	7.2	98
112	Expression Quantitative Trait Loci: Replication, Tissue- and Sex-Specificity in Mice. Genetics, 2010, 185, 1059-1068.	1.2	97
113	Genetics of atherosclerosis. Trends in Genetics, 2012, 28, 267-275.	2.9	97
114	The genetic architecture of NAFLD among inbred strains of mice. ELife, 2015, 4, e05607.	2.8	96
115	Decreased Obesity and Atherosclerosis in Human Paraoxonase 3 Transgenic Mice. Circulation Research, 2007, 100, 1200-1207.	2.0	95
116	Blocking Very Late Antigen-4 Integrin Decreases Leukocyte Entry and Fatty Streak Formation in Mice Fed an Atherogenic Diet. Circulation Research, 1999, 84, 345-351.	2.0	93
117	Obesity-linked suppression of membrane-bound O-acyltransferase 7 (MBOAT7) drives non-alcoholic fatty liver disease. ELife, 2019, 8, .	2.8	93
118	Understanding the Sexome: Measuring and Reporting Sex Differences in Gene Systems. Endocrinology, 2012, 153, 2551-2555.	1.4	92
119	Endothelial NOTCH1 is suppressed by circulating lipids and antagonizes inflammation during atherosclerosis. Journal of Experimental Medicine, 2015, 212, 2147-2163.	4.2	86
120	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
121	Functional Characterization of the <i>GUCY1A3</i> Coronary Artery Disease Risk Locus. Circulation, 2017, 136, 476-489.	1.6	84
122	Genetic Locus in Mice That Blocks Development of Atherosclerosis Despite Extreme Hyperlipidemia. Circulation Research, 2001, 89, 125-130.	2.0	83
123	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
124	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
125	The allelic structure of common disease. Human Molecular Genetics, 2002, 11, 2455-2461.	1.4	80
126	Granulocyte Macrophage Colony-Stimulating Factor Regulates Dendritic Cell Content of Atherosclerotic Lesions. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 621-627.	1.1	80

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127	A treasure trove for lipoprotein biology. Nature Genetics, 2008, 40, 129-130.	9.4	79
128	Gene-by-Sex Interactions in Mitochondrial Functions and Cardio-Metabolic Traits. Cell Metabolism, 2019, 29, 932-949.e4.	7.2	79
129	Sex differences in metabolism and cardiometabolic disorders. Current Opinion in Lipidology, 2018, 29, 404-410.	1.2	78
130	Mechanosensitive PPAP2B Regulates Endothelial Responses to Atherorelevant Hemodynamic Forces. Circulation Research, 2015, 117, e41-e53.	2.0	75
131	Integration of human adipocyte chromosomal interactions with adipose gene expression prioritizes obesity-related genes from GWAS. Nature Communications, 2018, 9, 1512.	5.8	75
132	Genetic Basis of Atherosclerosis: Part II. Circulation, 2004, 110, 2066-2071.	1.6	74
133	The roles of PON1 and PON2 in cardiovascular disease and innate immunity. Current Opinion in Lipidology, 2009, 20, 288-292.	1.2	74
134	Systems-based approaches to cardiovascular disease. Nature Reviews Cardiology, 2012, 9, 172-184.	6.1	74
135	Integrating genetic and gene expression data: application to cardiovascular and metabolic traits in mice. Mammalian Genome, 2006, 17, 466-479.	1.0	72
136	Apolipoprotein AII Is a Regulator of Very Low Density Lipoprotein Metabolism and Insulin Resistance. Journal of Biological Chemistry, 2008, 283, 11633-11644.	1.6	72
137	Genetic regulation of human adipose microRNA expression and its consequences for metabolic traits. Human Molecular Genetics, 2013, 22, 3023-3037.	1.4	72
138	Gene networks associated with conditional fear in mice identified using a systems genetics approach. BMC Systems Biology, 2011, 5, 43.	3.0	71
139	Mapping Genetic Contributions to Cardiac Pathology Induced by Beta-Adrenergic Stimulation in Mice. Circulation: Cardiovascular Genetics, 2015, 8, 40-49.	5.1	71
140	Genomic analysis of metabolic pathway gene expression in mice. Genome Biology, 2005, 6, R59.	13.9	70
141	Genetic Dissection of Cardiac Remodeling in an Isoproterenol-Induced Heart Failure Mouse Model. PLoS Genetics, 2016, 12, e1006038.	1.5	70
142	Impact of Individual Traits, Saturated Fat, and Protein Source on the Gut Microbiome. MBio, 2018, 9, .	1.8	70
143	Inhibition of microbiota-dependent TMAO production attenuates chronic kidney disease in mice. Scientific Reports, 2021, 11, 518.	1.6	70
144	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

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145	Open Chromatin Profiling in Mice Livers Reveals Unique Chromatin Variations Induced by High Fat Diet. Journal of Biological Chemistry, 2014, 289, 23557-23567.	1.6	67
146	Unraveling the environmental and genetic interactions inÂatherosclerosis: Central role of the gut microbiota. Atherosclerosis, 2015, 241, 387-399.	0.4	67
147	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
148	Reducing Macrophage Proteoglycan Sulfation Increases Atherosclerosis and Obesity through Enhanced Type I Interferon Signaling. Cell Metabolism, 2014, 20, 813-826.	7.2	65
149	Tissue-specific pathways and networks underlying sexual dimorphism in non-alcoholic fatty liver disease. Biology of Sex Differences, 2018, 9, 46.	1.8	65
150	Genome-Wide Association Study Identifies Nox3 as a Critical Gene for Susceptibility to Noise-Induced Hearing Loss. PLoS Genetics, 2015, 11, e1005094.	1.5	64
151	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
152	Arterial colony stimulating factor-1 influences atherosclerotic lesions by regulating monocyte migration and apoptosis. Journal of Lipid Research, 2010, 51, 1962-1970.	2.0	62
153	Genetic loci for diet-induced atherosclerotic lesions and plasma lipids in mice. Mammalian Genome, 2003, 14, 464-471.	1.0	61
154	Estrogen Receptor (ER)Î±-regulated Lipocalin 2 Expression in Adipose Tissue Links Obesity with Breast Cancer Progression. Journal of Biological Chemistry, 2015, 290, 5566-5581.	1.6	61
155	Association between the gut microbiome and atherosclerosis. Nature Reviews Cardiology, 2017, 14, 699-700.	6.1	60
156	A Strategy for Discovery of Endocrine Interactions with Application to Whole-Body Metabolism. Cell Metabolism, 2018, 27, 1138-1155.e6.	7.2	58
157	The Problem of Passenger Genes in Transgenic Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 2100-2103.	1.1	57
158	Allele-specific expression and eQTL analysis in mouse adipose tissue. BMC Genomics, 2014, 15, 471.	1.2	57
159	Metabolic reprogramming and epigenetic changes of vital organs in SARS-CoV-2â€“induced systemic toxicity. JCI Insight, 2021, 6, .	2.3	57
160	Genetic Regulation of Fibroblast Activation and Proliferation in Cardiac Fibrosis. Circulation, 2018, 138, 1224-1235.	1.6	56
161	Genetic regulation of mouse liver metabolite levels. Molecular Systems Biology, 2014, 10, 730.	3.2	55
162	Impaired Development of Atherosclerosis in <i>Abcg1</i> ^{âˆ’/âˆ’} <i>Apoe</i> ^{âˆ’/âˆ’} Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 1174-1180.	1.1	53

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163	A comprehensive catalogue of the coding and non-coding transcripts of the human inner ear. Hearing Research, 2016, 333, 266-274.	0.9	51
164	The Genetic Architecture of Dietâ€Induced Hepatic Fibrosis in Mice. Hepatology, 2018, 68, 2182-2196.	3.6	51
165	A mechanistic framework for cardiometabolic and coronary artery diseases. , 2022, 1, 85-100.		51
166	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
167	Identification and validation of genes affecting aortic lesions in mice. Journal of Clinical Investigation, 2010, 120, 2414-2422.	3.9	49
168	Using Mice to Dissect Genetic Factors in Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 1501-1509.	1.1	48
169	Systems Genetic Analysis of Osteoblast-Lineage Cells. PLoS Genetics, 2012, 8, e1003150.	1.5	48
170	Lipin-1 and lipin-3 together determine adiposity in vivo. Molecular Metabolism, 2014, 3, 145-154.	3.0	48
171	XX sex chromosome complement promotes atherosclerosis in mice. Nature Communications, 2019, 10, 2631.	5.8	48
172	Locus for Elevated Apolipoprotein B Levels on Chromosome 1p31 in Families With Familial Combined Hyperlipidemia. Circulation Research, 2002, 90, 926-931.	2.0	46
173	Meta-Analysis Identifies Gene-by-Environment Interactions as Demonstrated in a Study of 4,965 Mice. PLoS Genetics, 2014, 10, e1004022.	1.5	46
174	Genetic and hormonal control of hepatic steatosis in female and male mice. Journal of Lipid Research, 2017, 58, 178-187.	2.0	46
175	Targeted deletion of Tcf7l2 in adipocytes promotes adipocyte hypertrophy and impaired glucose metabolism. Molecular Metabolism, 2019, 24, 44-63.	3.0	46
176	Quantitative Trait Locus Analysis of Atherosclerosis in an Intercross Between C57BL/6 and C3H Mice Carrying the Mutant Apolipoprotein E Gene. Genetics, 2006, 172, 1799-1807.	1.2	45
177	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
178	Contribution of Gene Regulatory Networks to Heritability of CoronaryÂArtery Disease. Journal of the American College of Cardiology, 2019, 73, 2946-2957.	1.2	45
179	Testing the Iron Hypothesis in a Mouse Model of Atherosclerosis. Cell Reports, 2013, 5, 1436-1442.	2.9	44
180	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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181	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
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