Aldons J Lusis

List of Publications by Year in Descending Order

348 papers	43,775 citations	90 h-index	206 g-index
381 ext. papers	52,114 ext. citations	12.4 avg, IF	7.39 L-index

#	Paper	IF	Citations
348	Gut microbe-targeted choline trimethylamine lyase inhibition improves obesity via rewiring of host circadian rhythms.. *ELife*, **2022**, 11,	8.9	3
347	A mechanistic framework for cardiometabolic and coronary artery diseases **2022**, 1, 85-100		5
346	Placental genomics mediates genetic associations with complex health traits and disease.. *Nature Communications*, **2022**, 13, 706	17.4	0
345	Transcriptome-wide association study of coronary artery disease identifies novel susceptibility genes.. *Basic Research in Cardiology*, **2022**, 117, 6	11.8	3
344	Identification of DNA Damage Repair Enzyme as Causal for Heart Failure With Preserved Ejection Fraction.. *Circulation*, **2022**, 145, 1102-1104	16.7	1
343	Atherosclerosis: Recent developments.. *Cell*, **2022**, 185, 1630-1645	56.2	18
342	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	6.3	0
341	The Nutritional Supplement -Alpha Glycerylphosphorylcholine Promotes Atherosclerosis.. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
340	The cardiomyocyte disrupts pyrimidine biosynthesis in non-myocytes to regulate heart repair. *Journal of Clinical Investigation*, **2021**,	15.9	2
339	Roles of Macrophages in Atherogenesis.. *Frontiers in Pharmacology*, **2021**, 12, 785220	5.6	6
338	β-adrenergic receptor downregulation leads to adipocyte catecholamine resistance in obesity. *Journal of Clinical Investigation*, **2021**,	15.9	2
337	Gene-Environment Interactions for Cardiovascular Disease. *Current Atherosclerosis Reports*, **2021**, 23, 75	6	0
336	Sex-specific genetic regulation of adipose mitochondria and metabolic syndrome by Ndufv2. *Nature Metabolism*, **2021**, 3, 1552-1568	14.6	6
335	Serum lipids are associated with nonalcoholic fatty liver disease: a pilot case-control study in Mexico. *Lipids in Health and Disease*, **2021**, 20, 136	4.4	2
334	Glycogen metabolism links glucose homeostasis to thermogenesis in adipocytes. *Nature*, **2021**, 599, 296-301	50.4	4
333	Fecal Microbiome Composition Does Not Predict Diet-Induced TMAO Production in Healthy Adults. *Journal of the American Heart Association*, **2021**, 10, e021934	6	1
332	Local M-CSF (Macrophage Colony-Stimulating Factor) Expression Regulates Macrophage Proliferation and Apoptosis in Atherosclerosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2021**, 41, 220-233	9.4	15

331	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	11	4
330	A vicious cycle in atherosclerosis. *Cell*, **2021**, 184, 1139-1141	56.2	3
329	Lysophospholipid acylation modulates plasma membrane lipid organization and insulin sensitivity in skeletal muscle. *Journal of Clinical Investigation*, **2021**, 131,	15.9	11
328	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	16.7	10
327	ABCB10 exports mitochondrial biliverdin, driving metabolic maladaptation in obesity. *Science Translational Medicine*, **2021**, 13,	17.5	8
326	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	9.4	2
325	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	7.9	11
324	The Genetic Architecture of Carbon Tetrachloride-Induced Liver Fibrosis in Mice. *Cellular and Molecular Gastroenterology and Hepatology*, **2021**, 11, 199-220	7.9	4
323	Systems toxicogenomics of prenatal low-dose BPA exposure on liver metabolic pathways, gut microbiota, and metabolic health in mice. *Environment International*, **2021**, 146, 106260	12.9	12
322	Expression Associates With Inflammation in Early Atherosclerosis in Humans and Can Be Therapeutically Silenced to Reduce NF-B Activation and Atherogenesis in Mice. *Circulation*, **2021**, 143, 163-177	16.7	20
321	Metabolic reprogramming and epigenetic changes of vital organs in SARS-CoV-2-induced systemic toxicity. *JCI Insight*, **2021**, 6,	9.9	29
320	An integrative multiomic network model links lipid metabolism to glucose regulation in coronary artery disease. *Nature Communications*, **2021**, 12, 547	17.4	12
319	Genetic regulation of liver lipids in a mouse model of insulin resistance and hepatic steatosis. *Molecular Systems Biology*, **2021**, 17, e9684	12.2	8
318	Large-scale association analyses identify host factors influencing human gut microbiome composition. *Nature Genetics*, **2021**, 53, 156-165	36.3	80
317	Association of serum HDL-cholesterol and apolipoprotein A1 levels with risk of severe SARS-CoV-2 infection. *Journal of Lipid Research*, **2021**, 62, 100061	6.3	18
316	Machine Learning Reveals Time-Varying Microbial Predictors with Complex Effects on Glucose Regulation. *MSystems*, **2021**, 6,	7.6	4
315	Loop Diuretics Inhibit Renal Excretion of Trimethylamine -Oxide. *JACC Basic To Translational Science*, **2021**, 6, 103-115	8.7	2
314	Oxy210, a novel inhibitor of hedgehog and TGF-signalling, ameliorates hepatic fibrosis and hypercholesterolemia in mice. *Endocrinology, Diabetes and Metabolism*, **2021**, 4, e00296	2.7	2

313	NOTUM promotes thermogenic capacity and protects against diet-induced obesity in male mice. *Scientific Reports*, **2021**, 11, 16409	4.9	1
312	Dietary and Pharmacologic Manipulations of Host Lipids and Their Interaction With the Gut Microbiome in Non-human Primates. *Frontiers in Medicine*, **2021**, 8, 646710	4.9	0
311	Genome-Wide Association Study Identifies a Functional Variant Associated With HDL-C (High-Density Lipoprotein Cholesterol) Levels and Premature Coronary Artery Disease. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2021**, 41, 2494-2508	9.4	2
310	Pcpe2, a Novel Extracellular Matrix Protein, Regulates Adipocyte SR-BI-Mediated High-Density Lipoprotein Uptake. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2021**, 41, 2708-2725	9.4	1
309	Inhibition of microbiota-dependent TMAO production attenuates chronic kidney disease in mice. *Scientific Reports*, **2021**, 11, 518	4.9	15
308	Natriuretic Peptide Receptor 2 Locus Contributes to Carotid Remodeling. *Journal of the American Heart Association*, **2020**, 9, e014257	6	2
307	Systems Genetics for Mechanistic Discovery in Heart Diseases. *Circulation Research*, **2020**, 126, 1795-1815	15.7	4
306	FAM13A affects body fat distribution and adipocyte function. *Nature Communications*, **2020**, 11, 1465	17.4	17
305	Type V Collagen in Scar Tissue Regulates the Size of Scar after Heart Injury. *Cell*, **2020**, 182, 545-562.e23	56.2	35
304	Tribute to Dr. Steve Schwartz. *Journal of Molecular and Cellular Cardiology*, **2020**, 147, A5-A6	5.8	
303	Collaborative interactions of heterogenous ribonucleoproteins contribute to transcriptional regulation of sterol metabolism in mice. *Nature Communications*, **2020**, 11, 984	17.4	4
302	Modeling epistasis in mice and yeast using the proportion of two or more distinct genetic backgrounds: Evidence for "polygenic epistasis". *PLoS Genetics*, **2020**, 16, e1009165	6	2
301	Suppression of inflammatory arthritis in human serum paraoxonase 1 transgenic mice. *Scientific Reports*, **2020**, 10, 16848	4.9	2
300	RIPK1 gene variants associate with obesity in humans and can be therapeutically silenced to reduce obesity in mice. *Nature Metabolism*, **2020**, 2, 1113-1125	14.6	16
299	Estrogen receptor □ controls metabolism in white and brown adipocytes by regulating and mitochondrial remodeling. *Science Translational Medicine*, **2020**, 12,	17.5	32
298	Host Genetic Background and Gut Microbiota Contribute to Differential Metabolic Responses to Fructose Consumption in Mice. *Journal of Nutrition*, **2020**, 150, 2716-2728	4.1	6
297	Fgr kinase is required for proinflammatory macrophage activation during diet-induced obesity. *Nature Metabolism*, **2020**, 2, 974-988	14.6	21
296	Rosuvastatin Prevents the Exacerbation of Atherosclerosis in Ligature-Induced Periodontal Disease Mouse Model. *Scientific Reports*, **2020**, 10, 6383	4.9	10

295	Adipose Tissue Gene Expression Associations Reveal Hundreds of Candidate Genes for Cardiometabolic Traits. *American Journal of Human Genetics*, **2019**, 105, 773-787	11	20
294	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	4.1	6
293	Systems-based approaches for investigation of inter-tissue communication. *Journal of Lipid Research*, **2019**, 60, 450-455	6.3	2
292	PON2 Deficiency Leads to Increased Susceptibility to Diet-Induced Obesity. *Antioxidants*, **2019**, 8,	7.1	5
291	XX sex chromosome complement promotes atherosclerosis in mice. *Nature Communications*, **2019**, 10, 2631	17.4	23
290	Pathologic gene network rewiring implicates PPP1R3A as a central regulator in pressure overload heart failure. *Nature Communications*, **2019**, 10, 2760	17.4	11
289	Contribution of Gene Regulatory Networks to Heritability of Coronary Artery Disease. *Journal of the American College of Cardiology*, **2019**, 73, 2946-2957	15.1	28
288	Targeting BCAA Catabolism to Treat Obesity-Associated Insulin Resistance. *Diabetes*, **2019**, 68, 1730-1746	8.9	100
287	Genetic Deficiency of Flavin-Containing Monooxygenase 3 (Fmo3) Protects Against Thrombosis but Has Only a Minor Effect on Plasma Lipid Levels-Brief Report. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2019**, 39, 1045-1054	9.4	26
286	Noggin depletion in adipocytes promotes obesity in mice. *Molecular Metabolism*, **2019**, 25, 50-63	8.8	8
285	Targeted deletion of Tcf7l2 in adipocytes promotes adipocyte hypertrophy and impaired glucose metabolism. *Molecular Metabolism*, **2019**, 24, 44-63	8.8	21
284	A comparison between whole transcript and 3' RNA sequencing methods using Kapa and Lexogen library preparation methods. *BMC Genomics*, **2019**, 20, 9	4.5	31
283	Landscape of Intercellular Crosstalk in Healthy and NASH Liver Revealed by Single-Cell Secretome Gene Analysis. *Molecular Cell*, **2019**, 75, 644-660.e5	17.6	218
282	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	23.4	120
281	Isoproterenol-Induced Cardiac Diastolic Dysfunction in Mice: A Systems Genetics Analysis. *Frontiers in Cardiovascular Medicine*, **2019**, 6, 100	5.4	10
280	Diesel Exhaust Induces Mitochondrial Dysfunction, Hyperlipidemia, and Liver Steatosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2019**, 39, 1776-1786	9.4	19
279	Sex-specific metabolic functions of adipose Lipocalin-2. *Molecular Metabolism*, **2019**, 30, 30-47	8.8	21
278	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	5.6	12

277	Gene-by-Sex Interactions in Mitochondrial Functions and Cardio-Metabolic Traits. *Cell Metabolism*, **2019**, 29, 932-949.e4	24.6	42
276	Systems genetics applications in metabolism research. *Nature Metabolism*, **2019**, 1, 1038-1050	14.6	15
275	Obesity-linked suppression of membrane-bound -acyltransferase 7 (MBOAT7) drives non-alcoholic fatty liver disease. *ELife*, **2019**, 8,	8.9	50
274	An integrative systems genetic analysis of mammalian lipid metabolism. *Nature*, **2019**, 567, 187-193	50.4	63
273	DNA Methylation Changes More Slowly Than Physiological States in Response to Weight Loss in Genetically Diverse Mouse Strains. *Frontiers in Endocrinology*, **2019**, 10, 882	5.7	5
272	A GWAS approach identifies Dapp1 as a determinant of air pollution-induced airway hyperreactivity. *PLoS Genetics*, **2019**, 15, e1008528	6	4
271	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	8.8	50
270	Genetic control of the mouse HDL proteome defines HDL traits, function, and heterogeneity. *Journal of Lipid Research*, **2019**, 60, 594-608	6.3	15
269	The E3 ligase MARCH5 is a PPARδ target gene that regulates mitochondria and metabolism in adipocytes. *American Journal of Physiology - Endocrinology and Metabolism*, **2019**, 316, E293-E304	6	5
268	A personalized, multiomics approach identifies genes involved in cardiac hypertrophy and heart failure. *Npj Systems Biology and Applications*, **2018**, 4, 12	5	16
267	Topological Arrangement of Cardiac Fibroblasts Regulates Cellular Plasticity. *Circulation Research*, **2018**, 123, 73-85	15.7	29
266	Integration of human adipocyte chromosomal interactions with adipose gene expression prioritizes obesity-related genes from GWAS. *Nature Communications*, **2018**, 9, 1512	17.4	41
265	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	36.3	82
264	Genomewide Association Study Identifies Cxcl Family Members as Partial Mediators of LPS-Induced Periodontitis. *Journal of Bone and Mineral Research*, **2018**, 33, 1450-1463	6.3	16
263	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	10.6	69
262	Transcriptional regulation of macrophage cholesterol efflux and atherogenesis by a long noncoding RNA. *Nature Medicine*, **2018**, 24, 304-312	50.5	123
261	A Strategy for Discovery of Endocrine Interactions with Application to Whole-Body Metabolism. *Cell Metabolism*, **2018**, 27, 1138-1155.e6	24.6	30
260	Epigenome-wide association in adipose tissue from the METSIM cohort. *Human Molecular Genetics*, **2018**, 27, 1830-1846	5.6	22

259	Development of a gut microbe-targeted nonlethal therapeutic to inhibit thrombosis potential. *Nature Medicine*, **2018**, 24, 1407-1417	50.5	241
258	Transcription Factor Zhx2 Deficiency Reduces Atherosclerosis and Promotes Macrophage Apoptosis in Mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2018**, 38, 2016-2027	9.4	9
257	Oxidized phospholipids regulate amino acid metabolism through MTHFD2 to facilitate nucleotide release in endothelial cells. *Nature Communications*, **2018**, 9, 2292	17.4	26
256	The Genetic Architecture of Diet-Induced Hepatic Fibrosis in Mice. *Hepatology*, **2018**, 68, 2182-2196	11.2	34
255	A multi-tissue full lifespan epigenetic clock for mice. *Aging*, **2018**, 10, 2832-2854	5.6	86
254	The Ca transient as a feedback sensor controlling cardiomyocyte ionic conductances in mouse populations. *ELife*, **2018**, 7,	8.9	11
253	IL-10 Signaling Remodels Adipose Chromatin Architecture to Limit Thermogenesis and Energy Expenditure. *Cell*, **2018**, 172, 218-233.e17	56.2	74
252	Systems Genetics Approach to Biomarker Discovery: GPNMB and Heart Failure in Mice and Humans. *G3: Genes, Genomes, Genetics*, **2018**, 8, 3499-3506	3.2	10
251	Using the natural variation of mouse populations to understand host-gut microbiome interactions. *Drug Discovery Today: Disease Models*, **2018**, 28, 61-71	1.3	1
250	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	6	5
249	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	4.5	5
248	Impact of Individual Traits, Saturated Fat, and Protein Source on the Gut Microbiome. *MBio*, **2018**, 9,	7.8	43
247	Regulator of Calcineurin 1 helps coordinate whole-body metabolism and thermogenesis. *EMBO Reports*, **2018**, 19,	6.5	21
246	Interactions between Roseburia intestinalis and diet modulate atherogenesis in a murine model. *Nature Microbiology*, **2018**, 3, 1461-1471	26.6	170
245	Tissue-specific pathways and networks underlying sexual dimorphism in non-alcoholic fatty liver disease. *Biology of Sex Differences*, **2018**, 9, 46	9.3	40
244	Sex differences in metabolism and cardiometabolic disorders. *Current Opinion in Lipidology*, **2018**, 29, 404-410	4.4	50
243	Microbial Transplantation With Human Gut Commensals Containing CutC Is Sufficient to Transmit Enhanced Platelet Reactivity and Thrombosis Potential. *Circulation Research*, **2018**, 123, 1164-1176	15.7	68
242	Genetic, dietary, and sex-specific regulation of hepatic ceramides and the relationship between hepatic ceramides and IR. *Journal of Lipid Research*, **2018**, 59, 1164-1174	6.3	16

241	Genetic Regulation of Fibroblast Activation and Proliferation in Cardiac Fibrosis. *Circulation*, **2018**, 138, 1224-1235	16.7	28
240	Diet, gonadal sex, and sex chromosome complement influence white adipose tissue miRNA expression. *BMC Genomics*, **2017**, 18, 89	4.5	29
239	The Metabolic Syndrome in Men study: a resource for studies of metabolic and cardiovascular diseases. *Journal of Lipid Research*, **2017**, 58, 481-493	6.3	77
238	Genetic Regulation of Adipose Gene Expression and Cardio-Metabolic Traits. *American Journal of Human Genetics*, **2017**, 100, 428-443	11	87
237	Relationships between gut microbiota, plasma metabolites, and metabolic syndrome traits in the METSIM cohort. *Genome Biology*, **2017**, 18, 70	18.3	167
236	Multi-omics approaches to disease. *Genome Biology*, **2017**, 18, 83	18.3	773
235	Functional Characterization of the Coronary Artery Disease Risk Locus. *Circulation*, **2017**, 136, 476-489	16.7	61
234	Applications and Limitations of Mouse Models for Understanding Human Atherosclerosis. *Cell Metabolism*, **2017**, 25, 248-261	24.6	102
233	The TMAO-Producing Enzyme Flavin-Containing Monooxygenase 3 Regulates Obesity and the Beiging of White Adipose Tissue. *Cell Reports*, **2017**, 19, 2451-2461	10.6	124
232	A systems genetics approach identifies as a link between cardiomyocyte glucose utilization and hypertrophic response. *American Journal of Physiology - Heart and Circulatory Physiology*, **2017**, 312, H728-H741	5.2	9
231	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	1.4	5
230	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	6	48
229	Inaugural Charles River World Congress on Animal Models in Drug Discovery and Development. *Journal of Translational Medicine*, **2017**, 15,	8.5	78
228	Recommendation on Design, Execution, and Reporting of Animal Atherosclerosis Studies: A Scientific Statement From the American Heart Association. *Circulation Research*, **2017**, 121, e53-e79	15.7	51
227	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	9.4	184
226	Natural variation of macrophage activation as disease-relevant phenotype predictive of inflammation and cancer survival. *Nature Communications*, **2017**, 8, 16041	17.4	58
225	-ancestry Fine Mapping and Molecular Assays Identify Regulatory Variants at the HDL-C GWAS Locus. *G3: Genes, Genomes, Genetics*, **2017**, 7, 3217-3227	3.2	14
224	Frequency of mononuclear diploid cardiomyocytes underlies natural variation in heart regeneration. *Nature Genetics*, **2017**, 49, 1346-1353	36.3	163

223	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	5.1	4
222	Atherosclerosis: Association between the gut microbiome and atherosclerosis. *Nature Reviews Cardiology*, **2017**, 14, 699-700	14.8	32
221	Transgenic tomatoes expressing the 6F peptide and ezetimibe prevent diet-induced increases of IFN-□and cholesterol 25-hydroxylase in jejunum. *Journal of Lipid Research*, **2017**, 58, 1636-1647	6.3	10
220	Cardiac Fibroblasts Adopt Osteogenic Fates and Can Be Targeted to Attenuate Pathological Heart Calcification. *Cell Stem Cell*, **2017**, 20, 218-232.e5	18	65
219	Genetic and hormonal control of hepatic steatosis in female and male mice. *Journal of Lipid Research*, **2017**, 58, 178-187	6.3	37
218	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	10.6	30
217	Glucose inhibits cardiac muscle maturation through nucleotide biosynthesis. *ELife*, **2017**, 6,	8.9	85
216	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	3.5	9
215	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, 417-31	3.3	1
214	The Genetic Architecture of Noise-Induced Hearing Loss: Evidence for a Gene-by-Environment Interaction. *G3: Genes, Genomes, Genetics*, **2016**, 6, 3219-3228	3.2	20
213	Elevated Adiponectin Levels Suppress Perivascular and Aortic Inflammation and Prevent AngII-induced Advanced Abdominal Aortic Aneurysms. *Scientific Reports*, **2016**, 6, 31414	4.9	11
212	Mergeomics: multidimensional data integration to identify pathogenic perturbations to biological systems. *BMC Genomics*, **2016**, 17, 874	4.5	56
211	CD47-blocking antibodies restore phagocytosis and prevent atherosclerosis. *Nature*, **2016**, 536, 86-90	50.4	278
210	Discovering Single Nucleotide Polymorphisms Regulating Human Gene Expression Using Allele Specific Expression from RNA-seq Data. *Genetics*, **2016**, 204, 1057-1064	4	14
209	Skeletal muscle action of estrogen receptor □is critical for the maintenance of mitochondrial function and metabolic homeostasis in females. *Science Translational Medicine*, **2016**, 8, 334ra54	17.5	117
208	Chromatin variation associated with liver metabolism is mediated by transposable elements. *Epigenetics and Chromatin*, **2016**, 9, 28	5.8	22
207	Reciprocal Regulation of the Cardiac Epigenome by Chromatin Structural Proteins Hmgb and Ctcf: IMPLICATIONS FOR TRANSCRIPTIONAL REGULATION. *Journal of Biological Chemistry*, **2016**, 291, 15428-46	5.4	18
206	Cross-Tissue Regulatory Gene Networks in Coronary Artery Disease. *Cell Systems*, **2016**, 2, 196-208	10.6	81

205	Imputing Phenotypes for Genome-wide Association Studies. *American Journal of Human Genetics*, **2016**, 99, 89-103	11	18
204	Sex differences and hormonal effects on gut microbiota composition in mice. *Gut Microbes*, **2016**, 7, 313-322	8.2	329
203	DNA Methylation Indicates Susceptibility to Isoproterenol-Induced Cardiac Pathology and Is Associated With Chromatin States. *Circulation Research*, **2016**, 118, 786-97	15.7	26
202	Integrative approaches for large-scale transcriptome-wide association studies. *Nature Genetics*, **2016**, 48, 245-52	36.3	843
201	Gut Microbial Metabolite TMAO Enhances Platelet Hyperreactivity and Thrombosis Risk. *Cell*, **2016**, 165, 111-124	56.2	872
200	Trimethylamine N-Oxide Promotes Vascular Inflammation Through Signaling of Mitogen-Activated Protein Kinase and Nuclear Factor-Ƀ. *Journal of the American Heart Association*, **2016**, 5,	6	372
199	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, 246-57	6.3	36
198	A comprehensive catalogue of the coding and non-coding transcripts of the human inner ear. *Hearing Research*, **2016**, 333, 266-274	3.9	37
197	Hypothalamic transcriptomes of 99 mouse strains reveal trans eQTL hotspots, splicing QTLs and novel non-coding genes. *ELife*, **2016**, 5,	8.9	26
196	Genetic Dissection of Cardiac Remodeling in an Isoproterenol-Induced Heart Failure Mouse Model. *PLoS Genetics*, **2016**, 12, e1006038	6	52
195	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	3.2	11
194	Efficient and Accurate Multiple-Phenotype Regression Method for High Dimensional Data Considering Population Structure. *Genetics*, **2016**, 204, 1379-1390	4	14
193	Relationship of disease-associated gene expression to cardiac phenotype is buffered by genetic diversity and chromatin regulation. *Physiological Genomics*, **2016**, 48, 601-15	3.6	3
192	The Hybrid Mouse Diversity Panel: a resource for systems genetics analyses of metabolic and cardiovascular traits. *Journal of Lipid Research*, **2016**, 57, 925-42	6.3	86
191	Role of lipid phosphate phosphatase 3 in human aortic endothelial cell function. *Cardiovascular Research*, **2016**, 112, 702-713	9.9	14
190	Transmission of atherosclerosis susceptibility with gut microbial transplantation. *Journal of Biological Chemistry*, **2015**, 290, 5647-60	5.4	294
189	Mechanosensitive PPAP2B Regulates Endothelial Responses to Atherorelevant Hemodynamic Forces. *Circulation Research*, **2015**, 117, e41-e53	15.7	58
188	The Genetic Landscape of Hematopoietic Stem Cell Frequency in Mice. *Stem Cell Reports*, **2015**, 5, 125-38	8	18

187	Genome-wide association study identifies nox3 as a critical gene for susceptibility to noise-induced hearing loss. *PLoS Genetics*, **2015**, 11, e1005094	6	41
186	Future translational applications from the contemporary genomics era: a scientific statement from the American Heart Association. *Circulation*, **2015**, 131, 1715-36	16.7	32
185	Mapping genetic contributions to cardiac pathology induced by Beta-adrenergic stimulation in mice. *Circulation: Cardiovascular Genetics*, **2015**, 8, 40-9		54
184	Genetic and environmental control of host-gut microbiota interactions. *Genome Research*, **2015**, 25, 1558-69	9.7	199
183	Prediction of Causal Candidate Genes in Coronary Artery Disease Loci. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2015**, 35, 2207-17	9.4	64
182	ABCC6 deficiency is associated with activation of BMP signaling in liver and kidney. *FEBS Open Bio*, **2015**, 5, 257-63	2.7	6
181	Endothelial NOTCH1 is suppressed by circulating lipids and antagonizes inflammation during atherosclerosis. *Journal of Experimental Medicine*, **2015**, 212, 2147-63	16.6	66
180	Cardiovascular disease genes come together. *Atherosclerosis*, **2015**, 242, 630-1	3.1	2
179	The Genetic Architecture of Hearing Impairment in Mice: Evidence for Frequency-Specific Genetic Determinants. *G3: Genes, Genomes, Genetics*, **2015**, 5, 2329-39	3.2	13
178	High-Density Genotypes of Inbred Mouse Strains: Improved Power and Precision of Association Mapping. *G3: Genes, Genomes, Genetics*, **2015**, 5, 2021-6	3.2	25
177	Genetics of common forms of heart failure: challenges and potential solutions. *Current Opinion in Cardiology*, **2015**, 30, 222-7	2.1	27
176	Regulation of NF-B signaling by oxidized glycerophospholipid and IL-1induced miRs-21-3p and -27a-5p in human aortic endothelial cells. *Journal of Lipid Research*, **2015**, 56, 38-50	6.3	26
175	Unraveling the environmental and genetic interactions inatherosclerosis: Central role of the gut microbiota. *Atherosclerosis*, **2015**, 241, 387-99	3.1	55
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5	The Lands cycle modulates plasma membrane lipid organization and insulin sensitivity in skeletal muscle		1
4	Cold-associated mammokines preserve adipocyte identity		1
3	Variability and compensation of cardiomycoyte ionic conductances at the population level		1
2	Modeling epistasis in mice and yeast using the proportion of two or more distinct genetic backgrounds: evidence for polygenic epistasis		2
1	A personalized, multi-omics approach identifies genes involved in cardiac hypertrophy and heart failure		1