

Aldons J Lusi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | Atherosclerosis. <i>Nature</i> , 2000 , 407, 233-41 | 50.4 | 3986 |
| 347 | Gut flora metabolism of phosphatidylcholine promotes cardiovascular disease. <i>Nature</i> , 2011 , 472, 57-63 | 50.4 | 3217 |
| 346 | Intestinal microbiota metabolism of L-carnitine, a nutrient in red meat, promotes atherosclerosis. <i>Nature Medicine</i> , 2013 , 19, 576-85 | 50.5 | 2528 |
| 345 | Genetics of gene expression surveyed in maize, mouse and man. <i>Nature</i> , 2003 , 422, 297-302 | 50.4 | 1244 |
| 344 | Atherosclerosis: basic mechanisms. Oxidation, inflammation, and genetics. <i>Circulation</i> , 1995 , 91, 2488-96 | 16.7 | 1162 |
| 343 | Mice lacking serum paraoxonase are susceptible to organophosphate toxicity and atherosclerosis. <i>Nature</i> , 1998 , 394, 284-7 | 50.4 | 929 |
| 342 | Gut Microbial Metabolite TMAO Enhances Platelet Hyperreactivity and Thrombosis Risk. <i>Cell</i> , 2016 , 165, 111-124 | 56.2 | 872 |
| 341 | Integrative approaches for large-scale transcriptome-wide association studies. <i>Nature Genetics</i> , 2016 , 48, 245-52 | 36.3 | 843 |
| 340 | The Collaborative Cross, a community resource for the genetic analysis of complex traits. <i>Nature Genetics</i> , 2004 , 36, 1133-7 | 36.3 | 822 |
| 339 | An integrative genomics approach to infer causal associations between gene expression and disease. <i>Nature Genetics</i> , 2005 , 37, 710-7 | 36.3 | 820 |
| 338 | Multi-omics approaches to disease. <i>Genome Biology</i> , 2017 , 18, 83 | 18.3 | 773 |
| 337 | Mapping the genetic architecture of gene expression in human liver. <i>PLoS Biology</i> , 2008 , 6, e107 | 9.7 | 768 |
| 336 | Variations in DNA elucidate molecular networks that cause disease. <i>Nature</i> , 2008 , 452, 429-35 | 50.4 | 723 |
| 335 | Non-lethal Inhibition of Gut Microbial Trimethylamine Production for the Treatment of Atherosclerosis. <i>Cell</i> , 2015 , 163, 1585-95 | 56.2 | 688 |
| 334 | Tissue-specific expression and regulation of sexually dimorphic genes in mice. <i>Genome Research</i> , 2006 , 16, 995-1004 | 9.7 | 628 |
| 333 | Trimethylamine-N-oxide, a metabolite associated with atherosclerosis, exhibits complex genetic and dietary regulation. <i>Cell Metabolism</i> , 2013 , 17, 49-60 | 24.6 | 602 |
| 332 | Arachidonate 5-lipoxygenase promoter genotype, dietary arachidonic acid, and atherosclerosis. <i>New England Journal of Medicine</i> , 2004 , 350, 29-37 | 59.2 | 522 |

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|-----|--|------|-----|
| 331 | The oxidation hypothesis of atherogenesis: the role of oxidized phospholipids and HDL. <i>Journal of Lipid Research</i> , 2004 , 45, 993-1007 | 6.3 | 510 |
| 330 | The Yin and Yang of oxidation in the development of the fatty streak. A review based on the 1994 George Lyman Duff Memorial Lecture. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1996 , 16, 831-42 | 9.4 | 466 |
| 329 | Molecular basis of the little mouse phenotype and implications for cell type-specific growth. <i>Nature</i> , 1993 , 364, 208-13 | 50.4 | 436 |
| 328 | Comparative analysis of proteome and transcriptome variation in mouse. <i>PLoS Genetics</i> , 2011 , 7, e1001303 | 30.3 | 417 |
| 327 | Systems genetics approaches to understand complex traits. <i>Nature Reviews Genetics</i> , 2014 , 15, 34-48 | 30.1 | 407 |
| 326 | Mechanisms underlying adverse effects of HDL on eNOS-activating pathways in patients with coronary artery disease. <i>Journal of Clinical Investigation</i> , 2011 , 121, 2693-708 | 15.9 | 395 |
| 325 | Relationship of paraoxonase 1 (PON1) gene polymorphisms and functional activity with systemic oxidative stress and cardiovascular risk. <i>JAMA - Journal of the American Medical Association</i> , 2008 , 299, 1265-76 | 27.4 | 393 |
| 324 | Genetic control of obesity and gut microbiota composition in response to high-fat, high-sucrose diet in mice. <i>Cell Metabolism</i> , 2013 , 17, 141-52 | 24.6 | 383 |
| 323 | Trimethylamine N-Oxide Promotes Vascular Inflammation Through Signaling of Mitogen-Activated Protein Kinase and Nuclear Factor- κ B. <i>Journal of the American Heart Association</i> , 2016 , 5, | 6 | 372 |
| 322 | Decreased atherosclerotic lesion formation in human serum paraoxonase transgenic mice. <i>Circulation</i> , 2002 , 106, 484-90 | 16.7 | 366 |
| 321 | Identification of 5-lipoxygenase as a major gene contributing to atherosclerosis susceptibility in mice. <i>Circulation Research</i> , 2002 , 91, 120-6 | 15.7 | 348 |
| 320 | Integrating genetic and network analysis to characterize genes related to mouse weight. <i>PLoS Genetics</i> , 2006 , 2, e130 | 6 | 334 |
| 319 | Individual diet has sex-dependent effects on vertebrate gut microbiota. <i>Nature Communications</i> , 2014 , 5, 4500 | 17.4 | 330 |
| 318 | Sex differences and hormonal effects on gut microbiota composition in mice. <i>Gut Microbes</i> , 2016 , 7, 313-32 | 33.2 | 329 |
| 317 | Butyrobetaine is a proatherogenic intermediate in gut microbial metabolism of L-carnitine to TMAO. <i>Cell Metabolism</i> , 2014 , 20, 799-812 | 24.6 | 313 |
| 316 | Combined serum paraoxonase knockout/apolipoprotein E knockout mice exhibit increased lipoprotein oxidation and atherosclerosis. <i>Journal of Biological Chemistry</i> , 2000 , 275, 17527-35 | 5.4 | 312 |
| 315 | Transmission of atherosclerosis susceptibility with gut microbial transplantation. <i>Journal of Biological Chemistry</i> , 2015 , 290, 5647-60 | 5.4 | 294 |
| 314 | The unfolded protein response is an important regulator of inflammatory genes in endothelial cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006 , 26, 2490-6 | 9.4 | 289 |

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|-----|---|------|-----|
| 313 | CD47-blocking antibodies restore phagocytosis and prevent atherosclerosis. <i>Nature</i> , 2016 , 536, 86-90 | 50.4 | 278 |
| 312 | Human paraoxonase-3 is an HDL-associated enzyme with biological activity similar to paraoxonase-1 protein but is not regulated by oxidized lipids. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001 , 21, 542-7 | 9.4 | 278 |
| 311 | Familial combined hyperlipidemia is associated with upstream transcription factor 1 (USF1). <i>Nature Genetics</i> , 2004 , 36, 371-6 | 36.3 | 268 |
| 310 | Identification of inflammatory gene modules based on variations of human endothelial cell responses to oxidized lipids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 12741-6 | 11.5 | 262 |
| 309 | Dosage compensation is less effective in birds than in mammals. <i>Journal of Biology</i> , 2007 , 6, 2 | | 255 |
| 308 | Increased atherosclerosis in myeloperoxidase-deficient mice. <i>Journal of Clinical Investigation</i> , 2001 , 107, 419-30 | 15.9 | 251 |
| 307 | A high-resolution association mapping panel for the dissection of complex traits in mice. <i>Genome Research</i> , 2010 , 20, 281-90 | 9.7 | 246 |
| 306 | The TMAO-Generating Enzyme Flavin Monooxygenase 3 Is a Central Regulator of Cholesterol Balance. <i>Cell Reports</i> , 2015 , 10, 326-338 | 10.6 | 244 |
| 305 | Development of a gut microbe-targeted nonlethal therapeutic to inhibit thrombosis potential. <i>Nature Medicine</i> , 2018 , 24, 1407-1417 | 50.5 | 241 |
| 304 | Metabolic syndrome: from epidemiology to systems biology. <i>Nature Reviews Genetics</i> , 2008 , 9, 819-30 | 30.1 | 233 |
| 303 | Genetics of atherosclerosis. <i>Annual Review of Genomics and Human Genetics</i> , 2004 , 5, 189-218 | 9.7 | 231 |
| 302 | Validation of candidate causal genes for obesity that affect shared metabolic pathways and networks. <i>Nature Genetics</i> , 2009 , 41, 415-23 | 36.3 | 224 |
| 301 | Landscape of Intercellular Crosstalk in Healthy and NASH Liver Revealed by Single-Cell Secretome Gene Analysis. <i>Molecular Cell</i> , 2019 , 75, 644-660.e5 | 17.6 | 218 |
| 300 | Ligand activation of LXR beta reverses atherosclerosis and cellular cholesterol overload in mice lacking LXR alpha and apoE. <i>Journal of Clinical Investigation</i> , 2007 , 117, 2337-46 | 15.9 | 217 |
| 299 | Cis-acting expression quantitative trait loci in mice. <i>Genome Research</i> , 2005 , 15, 681-91 | 9.7 | 216 |
| 298 | Flavin containing monooxygenase 3 exerts broad effects on glucose and lipid metabolism and atherosclerosis. <i>Journal of Lipid Research</i> , 2015 , 56, 22-37 | 6.3 | 209 |
| 297 | Role of group II secretory phospholipase A2 in atherosclerosis: 1. Increased atherogenesis and altered lipoproteins in transgenic mice expressing group IIa phospholipase A2. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999 , 19, 1284-90 | 9.4 | 202 |
| 296 | Genetic and environmental control of host-gut microbiota interactions. <i>Genome Research</i> , 2015 , 25, 1558-69 | 39.6 | 199 |

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|-----|---|------|-----|
| 295 | Integrating genotypic and expression data in a segregating mouse population to identify 5-lipoxygenase as a susceptibility gene for obesity and bone traits. <i>Nature Genetics</i> , 2005 , 37, 1224-33 | 36.3 | 190 |
| 294 | Recommendation on Design, Execution, and Reporting of Animal Atherosclerosis Studies: A Scientific Statement From the American Heart Association. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017 , 37, e131-e157 | 9.4 | 184 |
| 293 | CHAC1/MGC4504 is a novel proapoptotic component of the unfolded protein response, downstream of the ATF4-ATF3-CHOP cascade. <i>Journal of Immunology</i> , 2009 , 182, 466-76 | 5.3 | 184 |
| 292 | Endothelial responses to oxidized lipoproteins determine genetic susceptibility to atherosclerosis in mice. <i>Circulation</i> , 2000 , 102, 75-81 | 16.7 | 184 |
| 291 | Elucidating the role of gonadal hormones in sexually dimorphic gene coexpression networks. <i>Endocrinology</i> , 2009 , 150, 1235-49 | 4.8 | 171 |
| 290 | Interactions between <i>Roseburia intestinalis</i> and diet modulate atherogenesis in a murine model. <i>Nature Microbiology</i> , 2018 , 3, 1461-1471 | 26.6 | 170 |
| 289 | Relationships between gut microbiota, plasma metabolites, and metabolic syndrome traits in the METSIM cohort. <i>Genome Biology</i> , 2017 , 18, 70 | 18.3 | 167 |
| 288 | Frequency of mononuclear diploid cardiomyocytes underlies natural variation in heart regeneration. <i>Nature Genetics</i> , 2017 , 49, 1346-1353 | 36.3 | 163 |
| 287 | Integrative genomics reveals novel molecular pathways and gene networks for coronary artery disease. <i>PLoS Genetics</i> , 2014 , 10, e1004502 | 6 | 147 |
| 286 | Heme oxygenase-1 expression in macrophages plays a beneficial role in atherosclerosis. <i>Circulation Research</i> , 2007 , 100, 1703-11 | 15.7 | 142 |
| 285 | FXR deficiency causes reduced atherosclerosis in <i>Ldlr</i> ^{-/-} mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006 , 26, 2316-21 | 9.4 | 139 |
| 284 | Genetic and genomic analysis of a fat mass trait with complex inheritance reveals marked sex specificity. <i>PLoS Genetics</i> , 2006 , 2, e15 | 6 | 135 |
| 283 | Genetic basis of atherosclerosis: part I: new genes and pathways. <i>Circulation</i> , 2004 , 110, 1868-73 | 16.7 | 132 |
| 282 | Paraoxonase-2 deficiency aggravates atherosclerosis in mice despite lower apolipoprotein-B-containing lipoproteins: anti-atherogenic role for paraoxonase-2. <i>Journal of Biological Chemistry</i> , 2006 , 281, 29491-500 | 5.4 | 129 |
| 281 | Genetic architecture of insulin resistance in the mouse. <i>Cell Metabolism</i> , 2015 , 21, 334-347 | 24.6 | 126 |
| 280 | Determinants of atherosclerosis susceptibility in the C3H and C57BL/6 mouse model: evidence for involvement of endothelial cells but not blood cells or cholesterol metabolism. <i>Circulation Research</i> , 2000 , 86, 1078-84 | 15.7 | 125 |
| 279 | The TMAO-Producing Enzyme Flavin-Containing Monooxygenase 3 Regulates Obesity and the Being of White Adipose Tissue. <i>Cell Reports</i> , 2017 , 19, 2451-2461 | 10.6 | 124 |
| 278 | Transcriptional regulation of macrophage cholesterol efflux and atherogenesis by a long noncoding RNA. <i>Nature Medicine</i> , 2018 , 24, 304-312 | 50.5 | 123 |

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|-----|--|------|-----|
| 277 | Obese Individuals with and without Type 2 Diabetes Show Different Gut Microbial Functional Capacity and Composition. <i>Cell Host and Microbe</i> , 2019 , 26, 252-264.e10 | 23.4 | 120 |
| 276 | Skeletal muscle action of estrogen receptor β s critical for the maintenance of mitochondrial function and metabolic homeostasis in females. <i>Science Translational Medicine</i> , 2016 , 8, 334ra54 | 17.5 | 117 |
| 275 | Using genetic markers to orient the edges in quantitative trait networks: the NEO software. <i>BMC Systems Biology</i> , 2008 , 2, 34 | 3.5 | 117 |
| 274 | NF-E2-related factor 2 promotes atherosclerosis by effects on plasma lipoproteins and cholesterol transport that overshadow antioxidant protection. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 58-66 | 9.4 | 115 |
| 273 | Identification of Abcc6 as the major causal gene for dystrophic cardiac calcification in mice through integrative genomics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 4530-5 | 11.5 | 108 |
| 272 | Genome scan for blood pressure in Dutch dyslipidemic families reveals linkage to a locus on chromosome 4p. <i>Hypertension</i> , 2001 , 38, 773-8 | 8.5 | 108 |
| 271 | Cardiovascular networks: systems-based approaches to cardiovascular disease. <i>Circulation</i> , 2010 , 121, 157-70 | 16.7 | 105 |
| 270 | Applications and Limitations of Mouse Models for Understanding Human Atherosclerosis. <i>Cell Metabolism</i> , 2017 , 25, 248-261 | 24.6 | 102 |
| 269 | Hybrid mouse diversity panel: a panel of inbred mouse strains suitable for analysis of complex genetic traits. <i>Mammalian Genome</i> , 2012 , 23, 680-92 | 3.2 | 101 |
| 268 | Association between serum amyloid A proteins and coronary artery disease: evidence from two distinct arteriosclerotic processes. <i>Circulation</i> , 1997 , 96, 2914-9 | 16.7 | 101 |
| 267 | Targeting BCAA Catabolism to Treat Obesity-Associated Insulin Resistance. <i>Diabetes</i> , 2019 , 68, 1730-1746 | 46.9 | 100 |
| 266 | Unraveling inflammatory responses using systems genetics and gene-environment interactions in macrophages. <i>Cell</i> , 2012 , 151, 658-70 | 56.2 | 96 |
| 265 | Air-pollutant chemicals and oxidized lipids exhibit genome-wide synergistic effects on endothelial cells. <i>Genome Biology</i> , 2007 , 8, R149 | 18.3 | 96 |
| 264 | Network for activation of human endothelial cells by oxidized phospholipids: a critical role of heme oxygenase 1. <i>Circulation Research</i> , 2011 , 109, e27-41 | 15.7 | 95 |
| 263 | Mouse genome-wide association and systems genetics identify Asxl2 as a regulator of bone mineral density and osteoclastogenesis. <i>PLoS Genetics</i> , 2011 , 7, e1002038 | 6 | 95 |
| 262 | Comparative genome-wide association studies in mice and humans for trimethylamine N-oxide, a proatherogenic metabolite of choline and L-carnitine. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 1307-13 | 9.4 | 94 |
| 261 | Systems genetics analysis of gene-by-environment interactions in human cells. <i>American Journal of Human Genetics</i> , 2010 , 86, 399-410 | 11 | 94 |
| 260 | Mapping a gene for combined hyperlipidaemia in a mutant mouse strain. <i>Nature Genetics</i> , 1998 , 18, 374-36.3 | 36.3 | 90 |

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|-----|---|------|----|
| 259 | Identification of pathways for atherosclerosis in mice: integration of quantitative trait locus analysis and global gene expression data. <i>Circulation Research</i> , 2007 , 101, e11-30 | 15.7 | 90 |
| 258 | The apolipoprotein(a) gene resides on human chromosome 6q26-27, in close proximity to the homologous gene for plasminogen. <i>Human Genetics</i> , 1988 , 79, 352-6 | 6.3 | 90 |
| 257 | Genetic Regulation of Adipose Gene Expression and Cardio-Metabolic Traits. <i>American Journal of Human Genetics</i> , 2017 , 100, 428-443 | 11 | 87 |
| 256 | A multi-tissue full lifespan epigenetic clock for mice. <i>Aging</i> , 2018 , 10, 2832-2854 | 5.6 | 86 |
| 255 | The Hybrid Mouse Diversity Panel: a resource for systems genetics analyses of metabolic and cardiovascular traits. <i>Journal of Lipid Research</i> , 2016 , 57, 925-42 | 6.3 | 86 |
| 254 | Glucose inhibits cardiac muscle maturation through nucleotide biosynthesis. <i>ELife</i> , 2017 , 6, | 8.9 | 85 |
| 253 | Genetic Architecture of Atherosclerosis in Mice: A Systems Genetics Analysis of Common Inbred Strains. <i>PLoS Genetics</i> , 2015 , 11, e1005711 | 6 | 83 |
| 252 | Regulatory variants at KLF14 influence type 2 diabetes risk via a female-specific effect on adipocyte size and body composition. <i>Nature Genetics</i> , 2018 , 50, 572-580 | 36.3 | 82 |
| 251 | Blocking very late antigen-4 integrin decreases leukocyte entry and fatty streak formation in mice fed an atherogenic diet. <i>Circulation Research</i> , 1999 , 84, 345-51 | 15.7 | 82 |
| 250 | Cross-Tissue Regulatory Gene Networks in Coronary Artery Disease. <i>Cell Systems</i> , 2016 , 2, 196-208 | 10.6 | 81 |
| 249 | Decreased obesity and atherosclerosis in human paraoxonase 3 transgenic mice. <i>Circulation Research</i> , 2007 , 100, 1200-7 | 15.7 | 81 |
| 248 | Large-scale association analyses identify host factors influencing human gut microbiome composition. <i>Nature Genetics</i> , 2021 , 53, 156-165 | 36.3 | 80 |
| 247 | Understanding the sexome: measuring and reporting sex differences in gene systems. <i>Endocrinology</i> , 2012 , 153, 2551-5 | 4.8 | 79 |
| 246 | Inaugural Charles River World Congress on Animal Models in Drug Discovery and Development. <i>Journal of Translational Medicine</i> , 2017 , 15, | 8.5 | 78 |
| 245 | Genetic locus in mice that blocks development of atherosclerosis despite extreme hyperlipidemia. <i>Circulation Research</i> , 2001 , 89, 125-30 | 15.7 | 78 |
| 244 | The Metabolic Syndrome in Men study: a resource for studies of metabolic and cardiovascular diseases. <i>Journal of Lipid Research</i> , 2017 , 58, 481-493 | 6.3 | 77 |
| 243 | Genetics of atherosclerosis. <i>Trends in Genetics</i> , 2012 , 28, 267-75 | 8.5 | 75 |
| 242 | IL-10 Signaling Remodels Adipose Chromatin Architecture to Limit Thermogenesis and Energy Expenditure. <i>Cell</i> , 2018 , 172, 218-233.e17 | 56.2 | 74 |

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|-----|---|---------|
| 241 | Expression quantitative trait loci: replication, tissue- and sex-specificity in mice. <i>Genetics</i> , 2010 , 185, 1059-68 | 73 |
| 240 | Granulocyte macrophage colony-stimulating factor regulates dendritic cell content of atherosclerotic lesions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 621-7 | 9.4 72 |
| 239 | Integration of Multi-omics Data from Mouse Diversity Panel Highlights Mitochondrial Dysfunction in Non-alcoholic Fatty Liver Disease. <i>Cell Systems</i> , 2018 , 6, 103-115.e7 | 10.6 69 |
| 238 | Epigenome-wide association of liver methylation patterns and complex metabolic traits in mice. <i>Cell Metabolism</i> , 2015 , 21, 905-17 | 24.6 68 |
| 237 | The allelic structure of common disease. <i>Human Molecular Genetics</i> , 2002 , 11, 2455-61 | 5.6 68 |
| 236 | Microbial Transplantation With Human Gut Commensals Containing CutC Is Sufficient to Transmit Enhanced Platelet Reactivity and Thrombosis Potential. <i>Circulation Research</i> , 2018 , 123, 1164-1176 | 15.7 68 |
| 235 | Endothelial NOTCH1 is suppressed by circulating lipids and antagonizes inflammation during atherosclerosis. <i>Journal of Experimental Medicine</i> , 2015 , 212, 2147-63 | 16.6 66 |
| 234 | Integrating genetic and gene expression data: application to cardiovascular and metabolic traits in mice. <i>Mammalian Genome</i> , 2006 , 17, 466-79 | 3.2 66 |
| 233 | Cardiac Fibroblasts Adopt Osteogenic Fates and Can Be Targeted to Attenuate Pathological Heart Calcification. <i>Cell Stem Cell</i> , 2017 , 20, 218-232.e5 | 18 65 |
| 232 | Prediction of Causal Candidate Genes in Coronary Artery Disease Loci. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 2207-17 | 9.4 64 |
| 231 | Gene networks associated with conditional fear in mice identified using a systems genetics approach. <i>BMC Systems Biology</i> , 2011 , 5, 43 | 3.5 64 |
| 230 | An integrative systems genetic analysis of mammalian lipid metabolism. <i>Nature</i> , 2019 , 567, 187-193 | 50.4 63 |
| 229 | Functional Characterization of the Coronary Artery Disease Risk Locus. <i>Circulation</i> , 2017 , 136, 476-489 | 16.7 61 |
| 228 | The genetic architecture of NAFLD among inbred strains of mice. <i>ELife</i> , 2015 , 4, e05607 | 8.9 61 |
| 227 | Systems-based approaches to cardiovascular disease. <i>Nature Reviews Cardiology</i> , 2012 , 9, 172-84 | 14.8 60 |
| 226 | Genetic regulation of human adipose microRNA expression and its consequences for metabolic traits. <i>Human Molecular Genetics</i> , 2013 , 22, 3023-37 | 5.6 60 |
| 225 | The roles of PON1 and PON2 in cardiovascular disease and innate immunity. <i>Current Opinion in Lipidology</i> , 2009 , 20, 288-92 | 4.4 60 |
| 224 | Genetic basis of atherosclerosis: part II: clinical implications. <i>Circulation</i> , 2004 , 110, 2066-71 | 16.7 59 |

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|-----|--|------|----|
| 223 | Mechanosensitive PPAP2B Regulates Endothelial Responses to Atherorelevant Hemodynamic Forces. <i>Circulation Research</i> , 2015 , 117, e41-e53 | 15.7 | 58 |
| 222 | Natural variation of macrophage activation as disease-relevant phenotype predictive of inflammation and cancer survival. <i>Nature Communications</i> , 2017 , 8, 16041 | 17.4 | 58 |
| 221 | Genomic analysis of metabolic pathway gene expression in mice. <i>Genome Biology</i> , 2005 , 6, R59 | 18.3 | 58 |
| 220 | Apolipoprotein All is a regulator of very low density lipoprotein metabolism and insulin resistance. <i>Journal of Biological Chemistry</i> , 2008 , 283, 11633-44 | 5.4 | 57 |
| 219 | Mergeomics: multidimensional data integration to identify pathogenic perturbations to biological systems. <i>BMC Genomics</i> , 2016 , 17, 874 | 4.5 | 56 |
| 218 | Genetic loci for diet-induced atherosclerotic lesions and plasma lipids in mice. <i>Mammalian Genome</i> , 2003 , 14, 464-71 | 3.2 | 56 |
| 217 | Unraveling the environmental and genetic interactions in atherosclerosis: Central role of the gut microbiota. <i>Atherosclerosis</i> , 2015 , 241, 387-99 | 3.1 | 55 |
| 216 | Mapping genetic contributions to cardiac pathology induced by Beta-adrenergic stimulation in mice. <i>Circulation: Cardiovascular Genetics</i> , 2015 , 8, 40-9 | | 54 |
| 215 | Open chromatin profiling in mice livers reveals unique chromatin variations induced by high fat diet. <i>Journal of Biological Chemistry</i> , 2014 , 289, 23557-67 | 5.4 | 52 |
| 214 | Genetic Dissection of Cardiac Remodeling in an Isoproterenol-Induced Heart Failure Mouse Model. <i>PLoS Genetics</i> , 2016 , 12, e1006038 | 6 | 52 |
| 213 | Recommendation on Design, Execution, and Reporting of Animal Atherosclerosis Studies: A Scientific Statement From the American Heart Association. <i>Circulation Research</i> , 2017 , 121, e53-e79 | 15.7 | 51 |
| 212 | Impaired development of atherosclerosis in <i>Abcg1</i> ^{-/-} <i>Apoe</i> ^{-/-} mice: identification of specific oxysterols that both accumulate in <i>Abcg1</i> ^{-/-} <i>Apoe</i> ^{-/-} tissues and induce apoptosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 1174-80 | 9.4 | 51 |
| 211 | The problem of passenger genes in transgenic mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 2100-3 | 9.4 | 51 |
| 210 | Reducing macrophage proteoglycan sulfation increases atherosclerosis and obesity through enhanced type I interferon signaling. <i>Cell Metabolism</i> , 2014 , 20, 813-826 | 24.6 | 50 |
| 209 | Obesity-linked suppression of membrane-bound -acyltransferase 7 (MBOAT7) drives non-alcoholic fatty liver disease. <i>ELife</i> , 2019 , 8, | 8.9 | 50 |
| 208 | The impact of exercise on mitochondrial dynamics and the role of Drp1 in exercise performance and training adaptations in skeletal muscle. <i>Molecular Metabolism</i> , 2019 , 21, 51-67 | 8.8 | 50 |
| 207 | Sex differences in metabolism and cardiometabolic disorders. <i>Current Opinion in Lipidology</i> , 2018 , 29, 404-410 | 4.4 | 50 |
| 206 | Estrogen receptor (ER)-regulated lipocalin 2 expression in adipose tissue links obesity with breast cancer progression. <i>Journal of Biological Chemistry</i> , 2015 , 290, 5566-81 | 5.4 | 49 |

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|-----|--|------|----|
| 205 | Shared genetic regulatory networks for cardiovascular disease and type 2 diabetes in multiple populations of diverse ethnicities in the United States. <i>PLoS Genetics</i> , 2017 , 13, e1007040 | 6 | 48 |
| 204 | Using mice to dissect genetic factors in atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003 , 23, 1501-9 | 9.4 | 44 |
| 203 | Genetic regulation of mouse liver metabolite levels. <i>Molecular Systems Biology</i> , 2014 , 10, 730 | 12.2 | 43 |
| 202 | Impact of Individual Traits, Saturated Fat, and Protein Source on the Gut Microbiome. <i>MBio</i> , 2018 , 9, | 7.8 | 43 |
| 201 | Gene-by-Sex Interactions in Mitochondrial Functions and Cardio-Metabolic Traits. <i>Cell Metabolism</i> , 2019 , 29, 932-949.e4 | 24.6 | 42 |
| 200 | Identification and validation of genes affecting aortic lesions in mice. <i>Journal of Clinical Investigation</i> , 2010 , 120, 2414-22 | 15.9 | 42 |
| 199 | Genome-wide association study identifies nox3 as a critical gene for susceptibility to noise-induced hearing loss. <i>PLoS Genetics</i> , 2015 , 11, e1005094 | 6 | 41 |
| 198 | Integration of human adipocyte chromosomal interactions with adipose gene expression prioritizes obesity-related genes from GWAS. <i>Nature Communications</i> , 2018 , 9, 1512 | 17.4 | 41 |
| 197 | Arterial colony stimulating factor-1 influences atherosclerotic lesions by regulating monocyte migration and apoptosis. <i>Journal of Lipid Research</i> , 2010 , 51, 1962-70 | 6.3 | 41 |
| 196 | Quantitative trait locus analysis of atherosclerosis in an intercross between C57BL/6 and C3H mice carrying the mutant apolipoprotein E gene. <i>Genetics</i> , 2006 , 172, 1799-807 | 4 | 41 |
| 195 | Multiple Hepatic Regulatory Variants at the GALNT2 GWAS Locus Associated with High-Density Lipoprotein Cholesterol. <i>American Journal of Human Genetics</i> , 2015 , 97, 801-15 | 11 | 40 |
| 194 | Systems genetic analysis of osteoblast-lineage cells. <i>PLoS Genetics</i> , 2012 , 8, e1003150 | 6 | 40 |
| 193 | Locus for elevated apolipoprotein B levels on chromosome 1p31 in families with familial combined hyperlipidemia. <i>Circulation Research</i> , 2002 , 90, 926-31 | 15.7 | 40 |
| 192 | Paradoxical effect on atherosclerosis of hormone-sensitive lipase overexpression in macrophages. <i>Journal of Lipid Research</i> , 1999 , 40, 397-404 | 6.3 | 40 |
| 191 | Tissue-specific pathways and networks underlying sexual dimorphism in non-alcoholic fatty liver disease. <i>Biology of Sex Differences</i> , 2018 , 9, 46 | 9.3 | 40 |
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