Hooman Allayee

List of Publications by Year
in descending order

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95 papers	15,847 citations	57681 46 h-index	48101 92 g-index
98 all docs	98 docs citations	98 times ranked	27624 citing authors

#	Article	IF	Citations
1	Clinical Intervention to Reduce Dietary Sugar Does Not Affect Liver Fat in Latino Youth, Regardless of PNPLA3 Genotype: A Randomized Controlled Trial. Journal of Nutrition, 2022, 152, 1655-1665.	1.3	8
2	Near-roadway air pollution, immune cells and adipokines among obese young adults. Environmental Health, 2022, 21, 36.	1.7	4
3	Bile acids profile, histopathological indices and genetic variants for non-alcoholic fatty liver disease progression. Metabolism: Clinical and Experimental, 2021, 116, 154457.	1.5	62
4	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
5	Genome-wide analysis identifies novel susceptibility loci for myocardial infarction. European Heart Journal, 2021, 42, 919-933.	1.0	113
6	CD52-targeted depletion by Alemtuzumab ameliorates allergic airway hyperreactivity and lung inflammation. Mucosal Immunology, 2021, 14, 899-911.	2.7	7
7	Genetically determined NLRP3 inflammasome activation associates with systemic inflammation and cardiovascular mortality. European Heart Journal, 2021, 42, 1742-1756.	1.0	63
8	PNPLA3 Genotype, Arachidonic Acid Intake, and Unsaturated Fat Intake Influences Liver Fibrosis in Hispanic Youth with Obesity. Nutrients, 2021, 13, 1621.	1.7	8
9	Noise Exposure and Distortion Product Otoacoustic Emission Suprathreshold Amplitudes: A Genome-Wide Association Study. Audiology and Neuro-Otology, 2021, 26, 1-9.	0.6	2
10	APOE4 is associated with elevated blood lipids and lower levels of innate immune biomarkers in a tropical Amerindian subsistence population. ELife, 2021, 10, .	2.8	25
11	Genetic evidence for independent causal relationships between metabolic biomarkers and risk of coronary artery diseases. Journal of Lipid Research, 2021, 62, 100064.	2.0	1
12	Gene-Environment Interactions for Cardiovascular Disease. Current Atherosclerosis Reports, 2021, 23, 75.	2.0	12
13	Association of Factor V Leiden With Subsequent Atherothrombotic Events. Circulation, 2020, 142, 546-555.	1.6	11
14	Dissecting the Genetic Architecture of Cystatin C in Diversity Outbred Mice. G3: Genes, Genomes, Genetics, 2020, 10, 2529-2541.	0.8	9
15	Adult mouse hippocampal transcriptome changes associated with long-term behavioral and metabolic effects of gestational air pollution toxicity. Translational Psychiatry, 2020, 10, 218.	2.4	23
16	Toxicity of urban air pollution particulate matter in developing and adult mouse brain: Comparison of total and filter-eluted nanoparticles. Environment International, 2020, 136, 105510.	4.8	64
17	Genome-wide analysis highlights contribution of immune system pathways to the genetic architecture of asthma. Nature Communications, 2020, 11, 1776.	5.8	119
18	Effect of ApoE4 Genotype on the Association Between Metabolic Phenotype and Subclinical Atherosclerosis in Postmenopausal Women. American Journal of Cardiology, 2019, 124, 1031-1037.	0.7	3

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19	Genetic Determinants of Circulating Glycine Levels and Risk of Coronary Artery Disease. Journal of the American Heart Association, 2019, 8, e011922.	1.6	20
20	Genetic Deficiency of Flavin-Containing Monooxygenase 3 (Fmo3) 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
21	Subsequent Event Risk in Individuals With Established Coronary Heart Disease. Circulation Genomic and Precision Medicine, 2019, 12, e002470.	1.6	17
22	Association of Chromosome 9p21 With Subsequent Coronary Heart Disease Events. Circulation Genomic and Precision Medicine, 2019, 12, e002471.	1.6	22
23	Exposure to Nanoscale Particulate Matter from Gestation to Adulthood Impairs Metabolic Homeostasis in Mice. Scientific Reports, 2019, 9, 1816.	1.6	21
24	Costimulation of type-2 innate lymphoid cells by GITR promotes effector function and ameliorates type 2 diabetes. Nature Communications, 2019, 10, 713.	5.8	58
25	A GWAS approach identifies Dapp1 as a determinant of air pollution-induced airway hyperreactivity. PLoS Genetics, 2019, 15, e1008528.	1.5	9
26	Apolipoprotein E4 genotype in combination with poor metabolic profile is associated with reduced cognitive performance in healthy postmenopausal women: implications for late onset Alzheimer's disease. Menopause, 2019, 26, 7-15.	0.8	19
27	Untargeted metabolomics identifies trimethyllysine, a TMAO-producing nutrient precursor, as a predictor of incident cardiovascular disease risk. JCI Insight, 2018, 3, .	2.3	122
28	The Genetic Architecture of Coronary Artery Disease: Current Knowledge and Future Opportunities. Current Atherosclerosis Reports, 2017, 19, 6.	2.0	38
29	Loss of Cardioprotective Effects at the ADAMTS7 Locus as a Result of Gene-Smoking Interactions. Circulation, 2017, 135, 2336-2353.	1.6	51
30	Apolipoprotein E4 is associated with improved cognitive function in Amazonian foragerâ€horticulturalists with a high parasite burden. FASEB Journal, 2017, 31, 1508-1515.	0.2	73
31	Frequency of mononuclear diploid cardiomyocytes underlies natural variation in heart regeneration. Nature Genetics, 2017, 49, 1346-1353.	9.4	252
32	Nutrigenomics, the Microbiome, and Gene-Environment Interactions: New Directions in Cardiovascular Disease Research, Prevention, and Treatment. Circulation: Cardiovascular Genetics, 2016, 9, 291-313.	5.1	99
33	Improved Performance of Dynamic Measures of Insulin Response Over Surrogate Indices to Identify Genetic Contributors of Type 2 Diabetes: The GUARDIAN Consortium. Diabetes, 2016, 65, 2072-2080.	0.3	4
34	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
35	Ambient Air Pollution Is Associated With the Severity of Coronary Atherosclerosis and Incident Myocardial Infarction in Patients Undergoing Elective Cardiac Evaluation. Journal of the American Heart Association, 2016, 5, .	1.6	51
36	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

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37	An epigenetic clock analysis of race/ethnicity, sex, and coronary heart disease. Genome Biology, 2016, 17, 171.	3.8	535
38	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
39	Cognitive effects of estradiol after menopause. Neurology, 2016, 87, 699-708.	1.5	162
40	Lower omental tâ€regulatory cell count is associated with higher fasting glucose and lower Î²â€cell function in adults with obesity. Obesity, 2016, 24, 1274-1282.	1.5	28
41	Genome-wide association study and targeted metabolomics identifies sex-specific association of CPS1 with coronary artery disease. Nature Communications, 2016, 7, 10558.	5.8	108
42	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
43	Selected vitamin D metabolic gene variants and risk for autism spectrum disorder in the CHARGE Study. Early Human Development, 2015, 91, 483-489.	0.8	52
44	The Genetic Landscape of Hematopoietic Stem Cell Frequency in Mice. Stem Cell Reports, 2015, 5, 125-138.	2.3	21
45	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
46	Identification of a Novel Mucin GeneHCG22Associated With Steroid-Induced Ocular Hypertension. , 2015, 56, 2737.		28
47	Trans-ancestry genome-wide association study identifies 12 genetic loci influencing blood pressure and implicates a role for DNA methylation. Nature Genetics, 2015, 47, 1282-1293.	9.4	294
48	Contribution of Gut Bacteria to Lipid Levels. Circulation Research, 2015, 117, 750-754.	2.0	40
49	Exome sequencing identifies rare LDLR and APOA5 alleles conferring risk for myocardial infarction. Nature, 2015, 518, 102-106.	13.7	581
50	Habitual Diets Rich in Dark-Green Vegetables Are Associated with an Increased Response to Ï‰-3 Fatty Acid Supplementation in Americans of African Ancestry. Journal of Nutrition, 2014, 144, 123-131.	1.3	15
51	Comparative Genome-Wide Association Studies in Mice and Humans for Trimethylamine N -Oxide, a Proatherogenic Metabolite of Choline and <scp>l</scp> -Carnitine. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1307-1313.	1.1	119
52	Aspirin Hydrolysis in Plasma Is a Variable Function of Butyrylcholinesterase and Platelet-activating Factor Acetylhydrolase 1b2 (PAFAH1b2). Journal of Biological Chemistry, 2013, 288, 11940-11948.	1.6	34
53	Genetic and clinical markers of elevated liver fat content in overweight and obese hispanic children. Obesity, 2013, 21, E790-7.	1.5	12
54	Trimethylamine-N-Oxide, a Metabolite Associated with Atherosclerosis, Exhibits Complex Genetic and Dietary Regulation. Cell Metabolism, 2013, 17, 49-60.	7.2	794

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55	Nutrigenetic response to omega-3 fatty acids in obese asthmatics (NOOA): Rationale and methods. Contemporary Clinical Trials, 2013, 34, 326-335.	0.8	15
56	Genome-wide and gene-centric analyses of circulating myeloperoxidase levels in the charge and care consortia. Human Molecular Genetics, 2013, 22, 3381-3393.	1.4	22
57	Arachidonate 5-Lipoxygenase Gene Variants Affect Response to Fish Oil Supplementation by Healthy African Americans. Journal of Nutrition, 2012, 142, 1417-1428.	1.3	16
58	Clinical and Genetic Association of Serum Paraoxonase and Arylesterase Activities With Cardiovascular Risk. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 2803-2812.	1.1	153
59	Association of a Genetic Risk Score With Prevalent and Incident Myocardial Infarction in Subjects Undergoing Coronary Angiography. Circulation: Cardiovascular Genetics, 2012, 5, 441-449.	5.1	40
60	Association of PLA2G4A with myocardial infarction is modulated by dietary PUFAs. American Journal of Clinical Nutrition, 2012, 95, 959-965.	2.2	14
61	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
62	Seventy-five genetic loci influencing the human red blood cell. Nature, 2012, 492, 369-375.	13.7	320
63	Clinical and Genetic Association of Serum Ceruloplasmin With Cardiovascular Risk. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 516-522.	1.1	54
64	Identification of ADAMTS7 as a novel locus for coronary atherosclerosis and association of ABO with myocardial infarction in the presence of coronary atherosclerosis: two genome-wide association studies. Lancet, The, 2011, 377, 383-392.	6.3	466
65	Large-scale association analysis identifies 13 new susceptibility loci for coronary artery disease. Nature Genetics, 2011, 43, 333-338.	9.4	1,685
66	Gut flora metabolism of phosphatidylcholine promotes cardiovascular disease. Nature, 2011, 472, 57-63.	13.7	4,238
67	Genetic contribution of the leukotriene pathway to coronary artery disease. Human Genetics, 2011, 129, 617-627.	1.8	42
68	Inflammatory Gene Variants in the Tsimane, an Indigenous Bolivian Population with a High Infectious Load. Biodemography and Social Biology, 2011, 57, 33-52.	0.4	37
69	ALOX5 gene variants affect eicosanoid production and response to fish oil supplementation. Journal of Lipid Research, 2011, 52, 991-1003.	2.0	31
70	Effects of PNPLA3 on Liver Fat and Metabolic Profile in Hispanic Children and Adolescents. Diabetes, 2010, 59, 3127-3130.	0.3	100
71	Increased hepatic fat in overweight Hispanic youth influenced by interaction between genetic variation in PNPLA3 and high dietary carbohydrate and sugar consumption. American Journal of Clinical Nutrition, 2010, 92, 1522-1527.	2.2	175
72	Lipoprotein(a) levels and long-term cardiovascular risk in the contemporary era of statin therapy. Journal of Lipid Research, 2010, 51, 3055-3061.	2.0	76

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73	Functional analysis of 5-lipoxygenase promoter repeat variants. Human Molecular Genetics, 2009, 18, 4521-4529.	1.4	21
74	Polyunsaturated Fatty Acids and Cardiovascular Disease: Implications for Nutrigenetics. Journal of Nutrigenetics and Nutrigenomics, 2009, 2, 140-148.	1.8	53
75	Effect of Omegaâ€3 fatty acid supplementation and ALOX5 promoter variants on Lipid Profiles in Africanâ€Americans. FASEB Journal, 2009, 23, 724.3.	0.2	0
76	Identification of ALOX5 as a gene regulating adiposity and pancreatic function. Diabetologia, 2008, 51, 978-988.	2.9	49
77	Common polymorphisms of ALOX5 and ALOX5AP and risk of coronary artery disease. Human Genetics, 2008, 123, 399-408.	1.8	54
78	Allgrove syndrome in a Mexican American family is caused by an ancestral mutation derived from North Africa. Clinical Genetics, 2008, 73, 385-387.	1.0	7
79	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
80	Non-Conventional Genetic Risk Factors for Cardiovascular Disease. World Review of Nutrition and Dietetics, 2008, 98, 62-76.	0.1	0
81	Nutrigenetic association of the 5-lipoxygenase gene with myocardial infarction. American Journal of Clinical Nutrition, 2008, 88, 934-940.	2.2	45
82	The Effect of Montelukast and Low-Dose Theophylline on Cardiovascular Disease Risk Factors in Asthmatics. Chest, 2007, 132, 868-874.	0.4	54
83	Effect of Obesity on Clinical Presentation and Response to Treatment in Asthma. Journal of Asthma, 2006, 43, 553-558.	0.9	142
84	Using Inbred Mouse Strains to Identify Genes for Complex Diseases. Frontiers in Bioscience - Landmark, 2006, 11, 1216.	3.0	10
85	Nonconventional genetic risk factors for cardiovascular disease. Current Atherosclerosis Reports, 2006, 8, 184-192.	2.0	13
86	Influence of Leukotriene Pathway Polymorphisms on Response to Montelukast in Asthma. American Journal of Respiratory and Critical Care Medicine, 2006, 173, 379-385.	2.5	225
87	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
88	A genome-wide set of congenic mouse strains derived from DBA/2J on a C57BL/6J background. Genomics, 2005, 86, 259-270.	1.3	36
89	The Collaborative Cross, a community resource for the genetic analysis of complex traits. Nature Genetics, 2004, 36, 1133-1137.	9.4	1,034
90	Arachidonate 5-Lipoxygenase Promoter Genotype, Dietary Arachidonic Acid, and Atherosclerosis. New England Journal of Medicine, 2004, 350, 29-37.	13.9	571

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91	Using Mice to Dissect Genetic Factors in Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 1501-1509.	1.1	48
92	5-Lipoxygenase and atherosclerosis. Current Opinion in Lipidology, 2003, 14, 447-457.	1.2	96
93	Locus for Elevated Apolipoprotein B Levels on Chromosome 1p31 in Families With Familial Combined Hyperlipidemia. Circulation Research, 2002, 90, 926-931.	2.0	46
94	Identification of 5-Lipoxygenase as a Major Gene Contributing to Atherosclerosis Susceptibility in Mice. Circulation Research, 2002, 91, 120-126.	2.0	387
95	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