Ruth McPherson

List of Publications by Year
in descending order

89 papers	16,702 citations	101543 36 h-index	49909 87 g-index
91 all docs	91 docs citations	91 times ranked	24345 citing authors

#	Article	IF	Citations
1	Biological, clinical and population relevance of 95 loci for blood lipids. Nature, 2010, 466, 707-713.	27.8	3,249
2	A comprehensive 1000 Genomesâ€“based genome-wide association meta-analysis of coronary artery disease. Nature Genetics, 2015, 47, 1121-1130.	21.4	2,054
3	New genetic loci implicated in fasting glucose homeostasis and their impact on type 2 diabetes risk. Nature Genetics, 2010, 42, 105-116.	21.4	1,982
4	A Common Allele on Chromosome 9 Associated with Coronary Heart Disease. Science, 2007, 316, 1488-1491.	12.6	1,591
5	New genetic loci link adipose and insulin biology to body fat distribution. Nature, 2015, 518, 187-196.	27.8	1,328
6	Diagnostic Yield and Clinical Utility of Sequencing Familial Hypercholesterolemia Genes in Patients With Severe Hypercholesterolemia. Journal of the American College of Cardiology, 2016, 67, 2578-2589.	2.8	723
7	Exome sequencing identifies rare LDLR and APOA5 alleles conferring risk for myocardial infarction. Nature, 2015, 518, 102-106.	27.8	581
8	Association analyses based on false discovery rate implicate new loci for coronary artery disease. Nature Genetics, 2017, 49, 1385-1391.	21.4	571
9	Coding Variation inANGPTL4,LPL,andSVEP1and the Risk of Coronary Disease. New England Journal of Medicine, 2016, 374, 1134-1144.	27.0	427
10	Distribution and Medical Impact of Loss-of-Function Variants in the Finnish Founder Population. PLoS Genetics, 2014, 10, e1004494.	3.5	351
11	Genetics of Coronary Artery Disease. Circulation Research, 2016, 118, 564-578.	4.5	288
12	Association of Low-Frequency and Rare Coding-Sequence Variants with Blood Lipids and Coronary Heart Disease in 56,000 Whites and Blacks. American Journal of Human Genetics, 2014, 94, 223-232.	6.2	287
13	Canadian Cardiovascular Society position statement â€“ Recommendations for the diagnosis and treatment of dyslipidemia and prevention of cardiovascular disease. Canadian Journal of Cardiology, 2006, 22, 913-927.	1.7	271
14	Low copy number of the salivary amylase gene predisposes to obesity. Nature Genetics, 2014, 46, 492-497.	21.4	214
15	Systematic Evaluation of Pleiotropy Identifies 6 Further Loci Associated WithÂCoronary ArteryÂDisease. Journal of the American College of Cardiology, 2017, 69, 823-836.	2.8	214
16	Netrin-1 promotes adipose tissue macrophage retention and insulin resistance in obesity. Nature Medicine, 2014, 20, 377-384.	30.7	213
17	Acylcarnitines: potential implications for skeletal muscle insulin resistance. FASEB Journal, 2015, 29, 336-345.	0.5	191
18	Prognostic and Therapeutic Implications of Statin and Aspirin Therapy in Individuals With Nonobstructive Coronary Artery Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 981-989.	2.4	147

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19	Decreased Mitochondrial Proton Leak and Reduced Expression of Uncoupling Protein 3 in Skeletal Muscle of Obese Diet-Resistant Women. Diabetes, 2002, 51, 2459-2466.	0.6	113
20	Genome-wide association study and targeted metabolomics identifies sex-specific association of CPS1 with coronary artery disease. Nature Communications, 2016, 7, 10558.	12.8	108
21	The selective peroxisome proliferator-activated receptor alpha modulator (SPPARMÎ±) paradigm: conceptual framework and therapeutic potential. Cardiovascular Diabetology, 2019, 18, 71.	6.8	104
22	A missense variant in Mitochondrial Amidoxime Reducing Component 1 gene and protection against liver disease. PLoS Genetics, 2020, 16, e1008629.	3.5	101
23	Molecular regulation of SREBP function: the Insig-SCAP connection and isoform-specific modulation of lipid synthesis. Biochemistry and Cell Biology, 2004, 82, 201-211.	2.0	98
24	Phenotypic Consequences of a Genetic Predisposition to Enhanced Nitric Oxide Signaling. Circulation, 2018, 137, 222-232.	1.6	87
25	Relations between lipoprotein(a) concentrations, LPA genetic variants, and the risk of mortality in patients with established coronary heart disease: a molecular and genetic association study. Lancet Diabetes and Endocrinology,the, 2017, 5, 534-543.	11.4	84
26	Analysis of predicted loss-of-function variants in UK Biobank identifies variants protective for disease. Nature Communications, 2018, 9, 1613.	12.8	78
27	IRF2BP2 Reduces Macrophage Inflammation and Susceptibility to Atherosclerosis. Circulation Research, 2015, 117, 671-683.	4.5	64
28	Nonstatin Low-Density Lipoproteinâ€“Lowering Therapy and Cardiovascular Risk Reductionâ€”Statement From ATVB Council. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 2269-2280.	2.4	58
29	Functional interaction between COL4A1/COL4A2 and SMAD3 risk loci for coronary artery disease. Atherosclerosis, 2015, 242, 543-552.	0.8	55
30	Genome-wide identification of circulating-miRNA expression quantitative trait loci reveals the role of several miRNAs in the regulation of cardiometabolic phenotypes. Cardiovascular Research, 2019, 115, 1629-1645.	3.8	55
31	Distinct skeletal muscle fiber characteristics and gene expression in diet-sensitive versus diet-resistant obesity. Journal of Lipid Research, 2010, 51, 2394-2404.	4.2	52
32	Factors affecting weight loss variability in obesity. Metabolism: Clinical and Experimental, 2020, 113, 154388.	3.4	50
33	Functional Analysis of a Novel Genome-Wide Association Study Signal in SMAD3 That Confers Protection From Coronary Artery Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 972-983.	2.4	48
34	Inflammation and Coronary Artery Disease: Insights From Genetic Studies. Canadian Journal of Cardiology, 2012, 28, 662-666.	1.7	45
35	Obesity shows preserved plasma proteome in large independent clinical cohorts. Scientific Reports, 2018, 8, 16981.	3.3	45
36	HeterozygousABCG5Gene Deficiency and Risk of Coronary Artery Disease. Circulation Genomic and Precision Medicine, 2020, 13, 417-423.	3.6	45

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37	Functional Analysis of the TRIB 1 Associated Locus Linked to Plasma Triglycerides and Coronary Artery Disease. Journal of the American Heart Association, 2014, 3, e000884.	3.7	42
38	Runs of Homozygosity: Association with Coronary Artery Disease and Gene Expression in Monocytes and Macrophages. American Journal of Human Genetics, 2015, 97, 228-237.	6.2	37
39	Association of exome sequences with plasma C-reactive protein levels in >9000 participants. Human Molecular Genetics, 2015, 24, 559-571.	2.9	36
40	RIPK1 gene variants associate with obesity in humans and can be therapeutically silenced to reduce obesity in mice. Nature Metabolism, 2020, 2, 1113-1125.	11.9	34
41	Adiposity significantly modifies genetic risk for dyslipidemia. Journal of Lipid Research, 2014, 55, 2416-2422.	4.2	33
42	Partitioning the heritability of coronary artery disease highlights the importance of immune-mediated processes and epigenetic sites associated with transcriptional activity. Cardiovascular Research, 2017, 113, 973-983.	3.8	31
43	Genetic contributors to obesity. Canadian Journal of Cardiology, 2007, 23, 23A-27A.	1.7	30
44	Remnant Cholesterol. Journal of the American College of Cardiology, 2013, 61, 437-439.	2.8	26
45	Genetic variants primarily associated with type 2 diabetes are related to coronary artery disease risk. Atherosclerosis, 2015, 241, 419-426.	0.8	26
46	TRIB1 is a positive regulator of hepatocyte nuclear factor 4-alpha. Scientific Reports, 2017, 7, 5574.	3.3	26
47	Regulation of MFGE8 by the intergenic coronary artery disease locus on 15q26.1. Atherosclerosis, 2019, 284, 11-17.	0.8	26
48	Rare coding variants in 35 genes associate with circulating lipid levelsâ€”A multi-ancestry analysis of 170,000 exomes. American Journal of Human Genetics, 2022, 109, 81-96.	6.2	24
49	Blood Gene Expression Reveal Pathway Differences Between Dietâ€Sensitive and Resistant Obese Subjects Prior to Caloric Restriction. Obesity, 2011, 19, 457-463.	3.0	23
50	Efficacy of atorvastatin in achieving National Cholesterol Education Program low-density lipoprotein targets in women with severe dyslipidemia and cardiovascular disease or risk factors for cardiovascular disease: The Womenâ€™s Atorvastatin Trial on Cholesterol (WATCH). American Heart Journal, 2001, 141, 949-956.	2.7	21
51	Lower Mitochondrial Proton Leak and Decreased Glutathione Redox in Primary Muscle Cells of Obese Diet-Resistant Versus Diet-Sensitive Humans. Journal of Clinical Endocrinology and Metabolism, 2014, 99, 4223-4230.	3.6	17
52	Subsequent Event Risk in Individuals With Established Coronary Heart Disease. Circulation Genomic and Precision Medicine, 2019, 12, e002470.	3.6	17
53	From Genome-Wide Association Studies to Functional Genomics: New Insights Into Cardiovascular Disease. Canadian Journal of Cardiology, 2013, 29, 23-29.	1.7	16
54	Genome-Wide Association Studies of Cardiovascular Disease in European and Non-European Populations. Current Genetic Medicine Reports, 2014, 2, 1-12.	1.9	16

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55	Role of Tribbles Pseudokinase 1 (TRIB1) in human hepatocyte metabolism. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 223-232.	3.8	16
56	Partitioning the Pleiotropy Between Coronary Artery Disease and Body Mass Index Reveals the Importance of Low Frequency Variants and Central Nervous Systemâ€“Specific Functional Elements. Circulation Genomic and Precision Medicine, 2018, 11, e002050.	3.6	16
57	ERK1/2 regulates hepatocyte Trib1 in response to mitochondrial dysfunction. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 3405-3414.	4.1	15
58	A pharmacodynamic comparison of a personalized strategy for anti-platelet therapy versus ticagrelor in achieving a therapeutic window. International Journal of Cardiology, 2015, 197, 318-325.	1.7	15
59	Ezetimibe. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, e13-5.	2.4	15
60	Chromosome 9p21.3 Locus forÂCoronary Artery Disease. Journal of the American College of Cardiology, 2013, 62, 1382-1383.	2.8	14
61	Genetically Determined Reproductive Aging and Coronary Heart Disease: A Bidirectional 2-sample Mendelian Randomization. Journal of Clinical Endocrinology and Metabolism, 2022, 107, e2952-e2961.	3.6	13
62	Association of Factor V Leiden With Subsequent Atherothrombotic Events. Circulation, 2020, 142, 546-555.	1.6	11
63	A 680â€‰kb duplication at the FTO locus in a kindred with obesity and a distinct body fat distribution. European Journal of Human Genetics, 2013, 21, 1417-1422.	2.8	10
64	Association of muscle fiber type with measures of obesity: A systematic review. Obesity Reviews, 2022, 23, e13444.	6.5	10
65	Multiomics Screening Identifies Molecular Biomarkers Causally Associated With the Risk of Coronary Artery Disease. Circulation Genomic and Precision Medicine, 2020, 13, e002876.	3.6	9
66	SGCG rs679482 Associates With Weight Loss Success in Response to an Intensively Supervised Outpatient Program. Diabetes, 2020, 69, 2017-2026.	0.6	8
67	Epigenome-Wide Study Identified Methylation Sites Associated with the Risk of Obesity. Nutrients, 2021, 13, 1984.	4.1	8
68	A Lowâ€Frequency Variant in MAPK14 Provides Mechanistic Evidence of a Link With Myeloperoxidase: A Prognostic Cardiovascular Risk Marker. Journal of the American Heart Association, 2014, 3, .	3.7	7
69	Risk Stratification and Selection for Statin Therapy: Going Beyond Framingham. Canadian Journal of Cardiology, 2014, 30, 667-670.	1.7	7
70	Obesity and Ischemic Heart Disease. Circulation Research, 2015, 116, 570-571.	4.5	7
71	Can response to dietary restriction predict weight loss after <scp>R</scp>ouxâ€en‐<scp>Y</scp> gastroplasty?. Obesity, 2016, 24, 805-811.	3.0	7
72	Is Type 2 Diabetes in Adults Associated With Impaired Capacity for Weight Loss?. Canadian Journal of Diabetes, 2018, 42, 313-316.e1.	0.8	7

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73	2018 George Lyman Duff Memorial Lecture. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1925-1937.	2.4	6
74	Convergence of biomarkers and risk factor trait loci of coronary artery disease at 3p21.31 and HLA region. Npj Genomic Medicine, 2021, 6, 12.	3.8	6
75	Adverse Effects of Î²-Blocker Therapy on Weight Loss in Response to a Controlled Dietary Regimen. Canadian Journal of Cardiology, 2016, 32, 1246.e21-1246.e26.	1.7	5
76	Common Polymorphism That Protects From Cardiovascular Disease Increases Fibronectin Processing and Secretion. Circulation Genomic and Precision Medicine, 2022, 15, CIRCGEN121003428.	3.6	5
77	The Cardiovascular Burden of Undiagnosed Familial Hypercholesterolemia: Need to Modify Guidelines to Encourage Earlier Diagnosis and Therapy. Canadian Journal of Cardiology, 2018, 34, 1112-1113.	1.7	4
78	Common Polymorphism in the FADS1 Locus Links miR1908 to Low-Density Lipoprotein Cholesterol Through BMP-1. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 2252-2262.	2.4	4
79	Molecular mechanism linking a novel PCSK9 copy number variant to severe hypercholesterolemia. Atherosclerosis, 2020, 304, 39-43.	0.8	3
80	Interindividual variability in weight loss in the treatment of obesity. American Journal of Clinical Nutrition, 2021, 114, 824-825.	4.7	3
81	A novel anti-inflammatory role links the CARS2 locus to protection from coronary artery disease. Atherosclerosis, 2022, 348, 8-15.	0.8	3
82	PHACTR1. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 1293-1295.	2.4	2
83	Understanding the Function of a Locus Using the Knowledge Available at Single-Nucleotide Polymorphisms. Neurology International, 2021, 11, 255-262.	0.5	2
84	miR1908-5p regulates energy homeostasis in hepatocyte models. Scientific Reports, 2021, 11, 23748.	3.3	2
85	The Sum of Its Parts: The Polygenic Basis of Coronary Artery Disease. Canadian Journal of Cardiology, 2016, 32, 1372-1374.	1.7	1
86	Off-target effects of CRISPRa on interleukin-6 expression. , 2019, 14, e0224113.		0
87	Off-target effects of CRISPRa on interleukin-6 expression. , 2019, 14, e0224113.		0
88	Off-target effects of CRISPRa on interleukin-6 expression. , 2019, 14, e0224113.		0
89	Off-target effects of CRISPRa on interleukin-6 expression. , 2019, 14, e0224113.		0