Steven C Hunt

List of Publications by Year
in descending order

100 papers	19,905 citations	50276 46 h-index	38395 95 g-index
102 all docs	102 docs citations	102 times ranked	28501 citing authors

#	Article	IF	Citations
1	Genetic studies of body mass index yield new insights for obesity biology. Nature, 2015, 518, 197-206.	27.8	3,823
2	Discovery and refinement of loci associated with lipid levels. Nature Genetics, 2013, 45, 1274-1283.	21.4	2,641
3	Long-Term Mortality after Gastric Bypass Surgery. New England Journal of Medicine, 2007, 357, 753-761.	27.0	2,289
4	Defining the role of common variation in the genomic and biological architecture of adult human height. Nature Genetics, 2014, 46, 1173-1186.	21.4	1,818
5	New genetic loci link adipose and insulin biology to body fat distribution. Nature, 2015, 518, 187-196.	27.8	1,328
6	Weight and Metabolic Outcomes 12 Years after Gastric Bypass. New England Journal of Medicine, 2017, 377, 1143-1155.	27.0	621
7	Health Benefits of Gastric Bypass Surgery After 6 Years. JAMA - Journal of the American Medical Association, 2012, 308, 1122.	7.4	574
8	Genetic Structure, Self-Identified Race/Ethnicity, and Confounding in Case-Control Association Studies. American Journal of Human Genetics, 2005, 76, 268-275.	6.2	513
9	Gender and telomere length: Systematic review and meta-analysis. Experimental Gerontology, 2014, 51, 15-27.	2.8	394
10	Measurement of telomere length by the Southern blot analysis of terminal restriction fragment lengths. Nature Protocols, 2010, 5, 1596-1607.	12.0	378
11	Absence of linkage between the angiotensin converting enzyme locus and human essential hypertension. Nature Genetics, 1992, 1, 72-75.	21.4	376
12	Association Between Telomere Length and Risk of Cancer and Non-Neoplastic Diseases. JAMA Oncology, 2017, 3, 636.	7.1	376
13	The genetics of blood pressure regulation and its target organs from association studies in 342,415 individuals. Nature Genetics, 2016, 48, 1171-1184.	21.4	362
14	Leukocyte telomeres are longer in AfricanÂAmericans than in whites: the National Heart, Lung, and Blood Institute Family Heart Study and the Bogalusa Heart Study. Aging Cell, 2008, 7, 451-458.	6.7	263
15	Genome-wide association identifies OBFC1 as a locus involved in human leukocyte telomere biology. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9293-9298.	7.1	244
16	Genome-wide meta-analysis points to CTC1 and ZNF676 as genes regulating telomere homeostasis in humans. Human Molecular Genetics, 2012, 21, 5385-5394.	2.9	210
17	Directional dominance on stature and cognition inÂdiverse human populations. Nature, 2015, 523, 459-462.	27.8	173
18	Familial History of Stroke and Stroke Risk. Stroke, 1997, 28, 1908-1912.	2.0	154

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19	Machine learning reveals serum sphingolipids as cholesterol-independent biomarkers of coronary artery disease. Journal of Clinical Investigation, 2020, 130, 1363-1376.	8.2	141
20	Association of the FTO Gene With BMI. Obesity, 2008, 16, 902-904.	3.0	139
21	Body mass index is negatively associated with telomere length: a collaborative cross-sectional meta-analysis of 87 observational studies. American Journal of Clinical Nutrition, 2018, 108, 453-475.	4.7	137
22	Plasma triglycerides and type III hyperlipidemia are independently associated with premature familial coronary artery disease. Journal of the American College of Cardiology, 2005, 45, 1003-1012.	2.8	136
23	Health Outcomes of Gastric Bypass Patients Compared to Nonsurgical, Nonintervened Severely Obese. Obesity, 2010, 18, 121-130.	3.0	125
24	A Large-Scale Multi-ancestry Genome-wide Study Accounting for Smoking Behavior Identifies Multiple Significant Loci for Blood Pressure. American Journal of Human Genetics, 2018, 102, 375-400.	6.2	123
25	A genome-wide association meta-analysis on lipoprotein (a) concentrations adjusted for apolipoprotein (a) isoforms. Journal of Lipid Research, 2017, 58, 1834-1844.	4.2	114
26	Genome Scans for Blood Pressure and Hypertension. Hypertension, 2002, 40, 1-6.	2.7	112
27	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. American Journal of Human Genetics, 2019, 104, 112-138.	6.2	106
28	Evidence for major genes influencing pulmonary function in the NHLBI Family Heart Study. Genetic Epidemiology, 2000, 19, 81-94.	1.3	101
29	Family history assessment. American Journal of Preventive Medicine, 2003, 24, 136-142.	3.0	91
30	Single-trait and multi-trait genome-wide association analyses identify novel loci for blood pressure in African-ancestry populations. PLoS Genetics, 2017, 13, e1006728.	3.5	88
31	Shorter telomere length in Europeans than in Africans due to polygenetic adaptation. Human Molecular Genetics, 2016, 25, 2324-2330.	2.9	86
32	Soluble epoxide hydrolase variant (Glu287Arg) modifies plasma total cholesterol and triglyceride phenotype in familial hypercholesterolemia: intrafamilial association study in an eight-generation hyperlipidemic kindred. Journal of Human Genetics, 2004, 49, 29-34.	2.3	78
33	Genetic analysis of sodium-lithium countertransport in 10 hypertension-prone kindreds. American Journal of Medical Genetics Part A, 1984, 17, 565-577.	2.4	75
34	The inheritance of intraerythrocytic sodium level. American Journal of Medical Genetics Part A, 1988, 29, 193-203.	2.4	75
35	Loss-of-Function Polymorphism of the Human Kallikrein Gene with Reduced Urinary Kallikrein Activity. Journal of the American Society of Nephrology: JASN, 2002, 13, 968-976.	6.1	69
36	Enhanced blood pressure response to mild sodium reduction in subjects with the 235T variant of the angiotensinogen gene. American Journal of Hypertension, 1999, 12, 460-466.	2.0	67

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37	DCAF4, a novel gene associated with leucocyte telomere length. Journal of Medical Genetics, 2015, 52, 157-162.	3.2	66
38	Association of Central Adiposity With Adverse Cardiac Mechanics. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	65
39	Evidence for Multiple Determinants of the Body Mass Index: The National Heart, Lung, and Blood Institute Family Heart Study. Obesity, 1998, 6, 107-114.	4.0	64
40	Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity. Nature Communications, 2019, 10, 376.	12.8	64
41	Association of Patient Age at Gastric Bypass Surgery With Long-term All-Cause and Cause-Specific Mortality. JAMA Surgery, 2016, 151, 631.	4.3	62
42	Plasma Concentrations of Afamin Are Associated With Prevalent and Incident Type 2 Diabetes: A Pooled Analysis in More Than 20,000 Individuals. Diabetes Care, 2017, 40, 1386-1393.	8.6	59
43	Linkage of creatinine clearance to chromosome 10 in Utah pedigrees replicates a locus for end-stage renal disease in humans and renal failure in the fawn-hooded rat. Kidney International, 2002, 62, 1143-1148.	5.2	55
44	Design and rationale of the Utah obesity study. A study to assess morbidity following gastric bypass surgery. Contemporary Clinical Trials, 2005, 26, 534-551.	1.8	53
45	Weight and Metabolic Outcomes 12 Years after Gastric Bypass. New England Journal of Medicine, 2018, 378, 93-96.	27.0	52
46	Linkage of body mass index to chromosome 20 in Utah pedigrees. Human Genetics, 2001, 109, 279-285.	3.8	51
47	Sodium Bicarbonate Cotransporter Polymorphisms Are Associated With Baseline and 10-Year Follow-Up Blood Pressures. Hypertension, 2006, 47, 532-536.	2.7	47
48	A genome-wide association meta-analysis on apolipoprotein A-IV concentrations. Human Molecular Genetics, 2016, 25, 3635-3646.	2.9	46
49	Association of ideal cardiovascular health and calcified atherosclerotic plaque in the coronary arteries: The National Heart, Lung, and Blood Institute Family Heart Study. American Heart Journal, 2015, 169, 371-378.e1.	2.7	40
50	12-year trajectory of health-related quality of life in gastric bypass patients versus comparison groups. Surgery for Obesity and Related Diseases, 2018, 14, 1359-1365.	1.2	40
51	Polymorphisms in the NPY2R Gene Show Significant Associations With BMI That Are Additive to FTO, MC4R, and NPFFR2 Gene Effects. Obesity, 2011, 19, 2241-2247.	3.0	39
52	Leukocyte Telomere Length and Coronary Artery Calcium. American Journal of Cardiology, 2015, 116, 214-218.	1.6	39
53	FGF19 Analog as a Surgical Factor Mimetic That Contributes to Metabolic Effects Beyond Glucose Homeostasis. Diabetes, 2019, 68, 1315-1328.	0.6	39
54	Linkage of serum creatinine and glomerular filtration rate to chromosome 2 in Utah pedigrees*1. American Journal of Hypertension, 2004, 17, 511-515.	2.0	36

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55	Blood pressure response to angiotensin II, low-density lipoprotein cholesterol and polymorphisms of the angiotensin II type 1 receptor gene in hypertensive sibling pairs. Journal of Molecular Medicine, 2001, 79, 175-183.	3.9	34
56	A Genome-wide study of blood pressure in African Americans accounting for gene-smoking interaction. Scientific Reports, 2016, 6, 18812.	3.3	34
57	Evidence for a Major Gene Elevating Serum Bilirubin Concentration in Utah Pedigrees. Arteriosclerosis, Thrombosis, and Vascular Biology, 1996, 16, 912-917.	2.4	32
58	Association Between Shortened Leukocyte Telomere Length and Cardio-Metabolic Outcomes. Circulation: Cardiovascular Genetics, 2015, 8, 4-7.	5.1	31
59	A multi-ancestry genome-wide study incorporating geneâ€“smoking interactions identifies multiple new loci for pulse pressure and mean arterial pressure. Human Molecular Genetics, 2019, 28, 2615-2633.	2.9	31
60	Changes in Blood microRNA Expression and Early Metabolic Responsiveness 21 Days Following Bariatric Surgery. Frontiers in Endocrinology, 2018, 9, 773.	3.5	31
61	Familial Aggregation of Morbid Obesity. Obesity, 1993, 1, 261-270.	4.0	27
62	PCSK9 variation and association with blood pressure in African Americans: preliminary findings from the HyperGEN and REGARDS studies. Frontiers in Genetics, 2015, 6, 136.	2.3	25
63	Decreasing initial telomere length in humans intergenerationally understates ageâ€associated telomere shortening. Aging Cell, 2015, 14, 669-677.	6.7	24
64	Genetics of Hypertension: What We Know and Don't Know. Clinical and Experimental Hypertension, 1990, 12, 865-876.	0.3	23
65	Pregnancy Weight Retention in Morbid Obesity. Obesity, 1995, 3, 121-130.	4.0	21
66	Associations of Visceral, Subcutaneous, Epicardial, and Liver Fat with Metabolic Disorders up to 14 Years After Weight Loss Surgery. Metabolic Syndrome and Related Disorders, 2021, 19, 83-92.	1.3	18
67	Gene-educational attainment interactions in a multi-ancestry genome-wide meta-analysis identify novel blood pressure loci. Molecular Psychiatry, 2020, 26, 2111-2125.	7.9	17
68	Inheritance of the Waistâ€toâ€Hip Ratio in the National Heart, Lung, and Blood Institute Family Heart Study. Obesity, 2000, 8, 294-301.	4.0	15
69	Testing for familial aggregation of a dichotomous trait. Genetic Epidemiology, 1986, 3, 299-312.	1.3	14
70	Segregation analysis of cardiovascular reactivity to laboratory stressors. , 1997, 14, 35-49.		14
71	Association of an intronic haplotype of the LIPC gene with hyperalphalipoproteinemia in two independent populations. Journal of Human Genetics, 2008, 53, 193-200.	2.3	12
72	Walking and Calcified Atherosclerotic Plaque in the Coronary Arteries. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 1272-1277.	2.4	12

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73	Expression of Metabolic Syndrome in Women with Severe Obesity. Metabolic Syndrome and Related Disorders, 2017, 15, 283-290.	1.3	12
74	Telomere length measurement by a novel Luminex-based assay: a blinded comparison to Southern blot. International Journal of Molecular Epidemiology and Genetics, 2016, 7, 18-23.	0.4	12
75	Linkage analysis incorporating geneâ€“age interactions identifies seven novel lipid loci: The Family Blood Pressure Program. Atherosclerosis, 2014, 235, 84-93.	0.8	11
76	Fitness versus adiposity in cardiovascular disease risk. European Journal of Clinical Nutrition, 2019, 73, 225-230.	2.9	11
77	Familial correlations from genes and shared environment for urine, plasma, and intraerythrocytic sodium. American Journal of Medical Genetics Part A, 1987, 27, 249-255.	2.4	10
78	Coffee consumption and calcified atherosclerotic plaques in the coronary arteries: The NHLBI Family Heart Study. Clinical Nutrition ESPEN, 2017, 17, 18-21.	1.2	10
79	Evidence for multiple genes determining sodium transport. Genetic Epidemiology, 1994, 11, 553-568.	1.3	8
80	Lack of Association of Glutamate Decarboxylase 2 Gene Polymorphisms with Severe Obesity in Utah. Obesity, 2006, 14, 650-655.	3.0	8
81	Gut microbiota differs a decade after bariatric surgery relative to a nonsurgical comparison group. Surgery for Obesity and Related Diseases, 2020, 16, 1304-1311.	1.2	8
82	Donor-specific phenotypic variation in hiPSC cardiomyocyte-derived exosomes impacts endothelial cell function. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H954-H968.	3.2	8
83	Characterizing a Common CERS2 Polymorphism in a Mouse Model of Metabolic Disease and in Subjects from the Utah CAD Study. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e3098-e3109.	3.6	8
84	Association of egg consumption and calcified atherosclerotic plaque in the coronary arteries: The NHLBI Family Heart Study. E-SPEN Journal, 2014, 9, e131-e135.	0.5	7
85	apoA2 correlates to gestational age with decreased apolipoproteins A2, C1, C3 and E in gestational diabetes. BMJ Open Diabetes Research and Care, 2021, 9, e001925.	2.8	7
86	Proteomeâ€wide associations with shortâ€and longâ€term weight loss and regain after Rouxâ€enâ€Y gastric bypass surgery. Obesity, 2021, 30, 129.	3.0	7
87	A Copy Number Variant on Chromosome 20q13.3 Implicated in Thinness and Severe Obesity. Journal of Obesity, 2015, 2015, 1-7.	2.7	6
88	APOH interacts with FTO to predispose to healthy thinness. Human Genetics, 2016, 135, 201-207.	3.8	6
89	Association of prenatal substance use disorders with pregnancy and birth outcomes following bariatric surgery. International Journal of Obesity, 2022, 46, 107-112.	3.4	6
90	Chocolate consumption and prevalence of metabolic syndrome in the NHLBI Family Heart Study. E-SPEN Journal, 2012, 7, e139-e143.	0.5	5

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91	Lack of association of apolipoprotein E (Apo E) polymorphism with the prevalence of metabolic syndrome: the National Heart, Lung and Blood Institute Family Heart Study. Diabetes/Metabolism Research and Reviews, 2015, 31, 582-587.	4.0	5
92	Genetics and geography of leukocyte telomere length in sub-Saharan Africans. Human Molecular Genetics, 2020, 29, 3014-3020.	2.9	5
93	Time-varying limits for single blood pressures and heart rates of group-synchronized healthy women. Heart and Vessels, 1991, 6, 107-111.	1.2	4
94	Genetic Architecture of Complex Traits Predisposing to Nephropathy: Hypertension. Seminars in Nephrology, 2010, 30, 150-163.	1.6	4
95	Mediators of suicidality 12 years after bariatric surgery relative to a nonsurgery comparison group. Surgery for Obesity and Related Diseases, 2021, 17, 121-130.	1.2	3
96	Sugar-Sweetened Beverage Consumption and Calcified Atherosclerotic Plaques in the Coronary Arteries: The NHLBI Family Heart Study. Nutrients, 2021, 13, 1775.	4.1	2
97	G-substrate gene promoter SNP (-1323T>C) modifies plasma total cholesterol and triglyceride phenotype in familial hypercholesterolemia: Intra-familial association study in an eight-generation hyperlipidemic kindred. Geriatrics and Gerontology International, 2004, 4, 71-76.	1.5	0
98	Strategies to Improve Detection of Hypertension Genes. Journal of Nutrigenetics and Nutrigenomics, 2010, 3, 182-191.	1.3	0
99	Strategies to Improve Detection of Hypertension Genes. World Review of Nutrition and Dietetics, 2010, 101, 46-55.	0.3	0
100	Preâ€•and Postprandial Appetite Hormone Levels in Normal Weight and Obese Women. FASEB Journal, 2006, 20, A1036.	0.5	0