Tarunveer Singh Ahluwalia

List of Publications by Year
in descending order

124 papers	11,927 citations	44069 48 h-index	36028 97 g-index
147 all docs	147 docs citations	147 times ranked	19958 citing authors

#	Article	IF	Citations
1	Genome-wide association study identifies 74 loci associated with educational attainment. Nature, 2016, 533, 539-542.	27.8	1,204
2	Genetic variants associated with subjective well-being, depressive symptoms, and neuroticism identified through genome-wide analyses. Nature Genetics, 2016, 48, 624-633.	21.4	870
3	A catalog of genetic loci associated with kidney function from analyses of a million individuals. Nature Genetics, 2019, 51, 957-972.	21.4	549
4	Genome-wide association analyses of risk tolerance and risky behaviors in over 1 million individuals identify hundreds of loci and shared genetic influences. Nature Genetics, 2019, 51, 245-257.	21.4	536
5	Genome-wide associations for birth weight and correlations with adult disease. Nature, 2016, 538, 248-252.	27.8	406
6	Maternal and fetal genetic effects on birth weight and their relevance to cardio-metabolic risk factors. Nature Genetics, 2019, 51, 804-814.	21.4	402
7	The trans-ancestral genomic architecture of glycemic traits. Nature Genetics, 2021, 53, 840-860.	21.4	341
8	The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. PLoS Genetics, 2015, 11, e1005378.	3.5	331
9	Genome Analyses of >200,000 Individuals Identify 58 Loci for Chronic Inflammation and Highlight Pathways that Link Inflammation and Complex Disorders. American Journal of Human Genetics, 2018, 103, 691-706.	6.2	326
10	Association of vitamin D status with arterial blood pressure and hypertension risk: a mendelian randomisation study. Lancet Diabetes and Endocrinology,the, 2014, 2, 719-729.	11.4	319
11	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.	21.4	294
12	Genome-wide analysis identifies 12 loci influencing human reproductive behavior. Nature Genetics, 2016, 48, 1462-1472.	21.4	284
13	Genome-wide association analysis identifies three new susceptibility loci for childhood body mass index. Human Molecular Genetics, 2016, 25, 389-403.	2.9	275
14	Life-Course Genome-wide Association Study Meta-analysis of Total Body BMD and Assessment of Age-Specific Effects. American Journal of Human Genetics, 2018, 102, 88-102.	6.2	252
15	New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. Nature Communications, 2016, 7, 10495.	12.8	245
16	Polygenic prediction of educational attainment within and between families from genome-wide association analyses in 3 million individuals. Nature Genetics, 2022, 54, 437-449.	21.4	215
17	Genome-wide analyses identify a role for SLC17A4 and AADAT in thyroid hormone regulation. Nature Communications, 2018, 9, 4455.	12.8	181
18	Directional dominance on stature and cognition inÂdiverse human populations. Nature, 2015, 523, 459-462.	27.8	173

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19	Genome-wide meta-analysis of 241,258 adults accounting for smoking behaviour identifies novel loci for obesity traits. Nature Communications, 2017, 8, 14977.	12.8	169
20	Genome-wide physical activity interactions in adiposity â€• A meta-analysis of 200,452 adults. PLoS Genetics, 2017, 13, e1006528.	3.5	158
21	Genome-wide meta-analysis uncovers novel loci influencing circulating leptin levels. Nature Communications, 2016, 7, 10494.	12.8	153
22	Investigating the possible causal association of smoking with depression and anxiety using Mendelian randomisation meta-analysis: the CARTA consortium. BMJ Open, 2014, 4, e006141.	1.9	150
23	FTO genetic variants, dietary intake and body mass index: insights from 177 330 individuals. Human Molecular Genetics, 2014, 23, 6961-6972.	2.9	143
24	Genetics of Type 2 Diabetes. Clinical Chemistry, 2011, 57, 241-254.	3.2	139
25	A Genome-Wide Association Study of Diabetic Kidney Disease in Subjects With Type 2 Diabetes. Diabetes, 2018, 67, 1414-1427.	0.6	136
26	Genome-Wide Association Study of Diabetic Kidney Disease Highlights Biology Involved in Glomerular Basement Membrane Collagen. Journal of the American Society of Nephrology: JASN, 2019, 30, 2000-2016.	6.1	135
27	A rare IL33 loss-of-function mutation reduces blood eosinophil counts and protects from asthma. PLoS Genetics, 2017, 13, e1006659.	3.5	126
28	Genetic Architecture of Vitamin B12 and Folate Levels Uncovered Applying Deeply Sequenced Large Datasets. PLoS Genetics, 2013, 9, e1003530.	3.5	112
29	Genetic variants linked to education predict longevity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13366-13371.	7.1	110
30	Genome-wide association and HLA fine-mapping studies identify risk loci and genetic pathways underlying allergic rhinitis. Nature Genetics, 2018, 50, 1072-1080.	21.4	106
31	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
32	Effect of Smoking on Blood Pressure and Resting Heart Rate. Circulation: Cardiovascular Genetics, 2015, 8, 832-841.	5.1	105
33	Novel loci for childhood body mass index and shared heritability with adult cardiometabolic traits. PLoS Genetics, 2020, 16, e1008718.	3.5	95
34	Interleukin-6 Signaling Effects on Ischemic Stroke and Other Cardiovascular Outcomes. Circulation Genomic and Precision Medicine, 2020, 13, e002872.	3.6	90
35	GWAS on longitudinal growth traits reveals different genetic factors influencing infant, child, and adult BMI. Science Advances, 2019, 5, eaaw3095.	10.3	86
36	Effects of Common Genetic Variants Associated With Type 2 Diabetes and Glycemic Traits on Î±- and Î²-Cell Function and Insulin Action in Humans. Diabetes, 2013, 62, 2978-2983.	0.6	85

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37	Multiethnic meta-analysis identifies ancestry-specific and cross-ancestry loci for pulmonary function. Nature Communications, 2018, 9, 2976.	12.8	85
38	Bivariate genome-wide association meta-analysis of pediatric musculoskeletal traits reveals pleiotropic effects at the SREBF1/TOM1L2 locus. Nature Communications, 2017, 8, 121.	12.8	82
39	Utility of Plasma Concentration of Trimethylamine N-Oxide in Predicting Cardiovascular and Renal Complications in Individuals With Type 1 Diabetes. Diabetes Care, 2019, 42, 1512-1520.	8.6	77
40	A trans-ancestral meta-analysis of genome-wide association studies reveals loci associated with childhood obesity. Human Molecular Genetics, 2019, 28, 3327-3338.	2.9	76
41	A principal component meta-analysis on multiple anthropometric traits identifies novel loci for body shape. Nature Communications, 2016, 7, 13357.	12.8	74
42	A meta-analysis of 120 246 individuals identifies 18 new loci for fibrinogen concentration. Human Molecular Genetics, 2016, 25, 358-370.	2.9	73
43	Endothelial nitric oxide synthase gene haplotypes and diabetic nephropathy among Asian Indians. Molecular and Cellular Biochemistry, 2008, 314, 9-17.	3.1	70
44	Common variants in CNDP1 and CNDP2, and risk of nephropathy in type 2 diabetes. Diabetologia, 2011, 54, 2295-2302.	6.3	68
45	Common Variants of Inflammatory Cytokine Genes Are Associated with Risk of Nephropathy in Type 2 Diabetes among Asian Indians. PLoS ONE, 2009, 4, e5168.	2.5	65
46	Lipidomic analysis reveals sphingomyelin and phosphatidylcholine species associated with renal impairment and all-cause mortality in type 1 diabetes. Scientific Reports, 2019, 9, 16398.	3.3	62
47	ACEVariants Interact with the RAS Pathway to Confer Risk and Protection against Type 2 Diabetic Nephropathy. DNA and Cell Biology, 2009, 28, 141-150.	1.9	61
48	Uric Acid Is an Independent Risk Factor for Decline in Kidney Function, Cardiovascular Events, and Mortality in Patients With Type 1 Diabetes. Diabetes Care, 2019, 42, 1088-1094.	8.6	61
49	Human C-terminal CUBN variants associate with chronic proteinuria and normal renal function. Journal of Clinical Investigation, 2019, 130, 335-344.	8.2	54
50	Heavier smoking may lead to a relative increase in waist circumference: evidence for a causal relationship from a Mendelian randomisation meta-analysis. The CARTA consortium: TableÂ1. BMJ Open, 2015, 5, e008808.	1.9	53
51	Gene-Environment Interactions of Circadian-Related Genes for Cardiometabolic Traits. Diabetes Care, 2015, 38, 1456-1466.	8.6	52
52	Variants in the fetal genome near pro-inflammatory cytokine genes on 2q13 associate with gestational duration. Nature Communications, 2019, 10, 3927.	12.8	49
53	Stratification by Smoking Status Reveals an Association of CHRNA5-A3-B4 Genotype with Body Mass Index in Never Smokers. PLoS Genetics, 2014, 10, e1004799.	3.5	45
54	Interactions between genetic variants associated with adiposity traits and soft drinks in relation to longitudinal changes in body weight and waist circumference. American Journal of Clinical Nutrition, 2016, 104, 816-826.	4.7	44

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55	Genome-wide meta-analysis of macronutrient intake of 91,114 European ancestry participants from the cohorts for heart and aging research in genomic epidemiology consortium. Molecular Psychiatry, 2019, 24, 1920-1932.	7.9	44
56	Meta-analysis uncovers genome-wide significant variants for rapid kidney function decline. Kidney International, 2021, 99, 926-939.	5.2	42
57	ACACÎ² gene (rs2268388) and AGTR1 gene (rs5186) polymorphism and the risk of nephropathy in Asian Indian patients with type 2 diabetes. Molecular and Cellular Biochemistry, 2013, 372, 191-198.	3.1	41
58	Association between Mediterranean and Nordic diet scores and changes in weight and waist circumference: influence of FTO and TCF7L2 loci. American Journal of Clinical Nutrition, 2014, 100, 1188-1197.	4.7	41
59	Meta-analysis of rare and common exome chip variants identifies S1PR4 and other loci influencing blood cell traits. Nature Genetics, 2016, 48, 867-876.	21.4	41
60	Metabolomic Assessment Reveals Alteration in Polyols and Branched Chain Amino Acids Associated With Present and Future Renal Impairment in a Discovery Cohort of 637 Persons With Type 1 Diabetes. Frontiers in Endocrinology, 2019, 10, 818.	3.5	40
61	Genetic associations with viral respiratory illnesses and asthma control inÂchildren. Clinical and Experimental Allergy, 2016, 46, 112-124.	2.9	39
62	SOS2 and ACP1 Loci Identified through Large-Scale Exome Chip Analysis Regulate Kidney Development and Function. Journal of the American Society of Nephrology: JASN, 2017, 28, 981-994.	6.1	39
63	Variations in Risk of End-Stage Renal Disease and Risk of Mortality in an International Study of Patients With Type 1 Diabetes and Advanced Nephropathy. Diabetes Care, 2019, 42, 93-101.	8.6	37
64	A genome-wide association meta-analysis of diarrhoeal disease in young children identifiesFUT2locus and provides plausible biological pathways. Human Molecular Genetics, 2016, 25, 4127-4142.	2.9	35
65	Investigating the causal effect of smoking on hay fever and asthma: a Mendelian randomization meta-analysis in the CARTA consortium. Scientific Reports, 2017, 7, 2224.	3.3	35
66	Uromodulin gene variant is associated with type 2 diabetic nephropathy. Journal of Hypertension, 2011, 29, 1731-1734.	0.5	32
67	Genome-wide association study of circulating interleukin 6 levels identifies novel loci. Human Molecular Genetics, 2021, 30, 393-409.	2.9	32
68	Genetic association study of childhood aggression across raters, instruments, and age. Translational Psychiatry, 2021, 11, 413.	4.8	31
69	Low-frequency variation in TP53 has large effects on head circumference and intracranial volume. Nature Communications, 2019, 10, 357.	12.8	30
70	A novel rare CUBN variant and three additional genes identified in Europeans with and without diabetes: results from an exome-wide association study of albuminuria. Diabetologia, 2019, 62, 292-305.	6.3	29
71	Protein-coding variants contribute to the risk of atopic dermatitis and skin-specific gene expression. Journal of Allergy and Clinical Immunology, 2020, 145, 1208-1218.	2.9	29
72	Comparison of HapMap and 1000 Genomes Reference Panels in a Large-Scale Genome-Wide Association Study. PLoS ONE, 2017, 12, e0167742.	2.5	29

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73	The Type 2 Diabetes Risk Allele of TMEM154-rs6813195 Associates with Decreased Beta Cell Function in a Study of 6,486 Danes. PLoS ONE, 2015, 10, e0120890.	2.5	27
74	Early-life respiratory tract infections and the risk of school-age lower lung function and asthma: a meta-analysis of 150â€‰000 European children. European Respiratory Journal, 2022, 60, 2102395.	6.7	27
75	ACE I/D polymorphism in Indian patients with hypertrophic cardiomyopathy and dilated cardiomyopathy. Molecular and Cellular Biochemistry, 2008, 311, 67-72.	3.1	25
76	Plasma Metabolomics Identifies Markers of Impaired Renal Function: A Meta-analysis of 3089 Persons with Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 2275-2287.	3.6	24
77	Genetic and clinical profile of Indian patients of idiopathic restrictive cardiomyopathy with and without hypertrophy. Molecular and Cellular Biochemistry, 2009, 331, 187-192.	3.1	23
78	Discovery of Coding Genetic Variants Influencing Diabetes-Related Serum Biomarkers and Their Impact on Risk of Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2015, 100, E664-E671.	3.6	23
79	Genotype phenotype correlations of cardiac beta-myosin heavy chain mutations in Indian patients with hypertrophic and dilated cardiomyopathy. Molecular and Cellular Biochemistry, 2009, 321, 189-196.	3.1	22
80	Editorial: Novel Biomarkers for Type 2 Diabetes. Frontiers in Endocrinology, 2019, 10, 649.	3.5	22
81	Carotidâ€Femoral Pulse Wave Velocity as a Risk Marker for Development of Complications in Type 1 Diabetes Mellitus. Journal of the American Heart Association, 2020, 9, e017165.	3.7	22
82	Circulating Free Fatty Acid and Phospholipid Signature Predicts Early Rapid Kidney Function Decline in Patients With Type 1 Diabetes. Diabetes Care, 2021, 44, 2098-2106.	8.6	22
83	FUT2â€“ABO epistasis increases the risk of early childhood asthma and Streptococcus pneumoniae respiratory illnesses. Nature Communications, 2020, 11, 6398.	12.8	21
84	Interaction between genetic predisposition to obesity and dietary calcium in relation to subsequent change in body weight and waist circumference. American Journal of Clinical Nutrition, 2014, 99, 957-965.	4.7	20
85	Plasma trimethylamine N-oxide and its metabolic precursors and risk of mortality, cardiovascular and renal disease in individuals with type 2-diabetes and albuminuria. PLoS ONE, 2021, 16, e0244402.	2.5	20
86	Meta-analysis of exome array data identifies six novel genetic loci for lung function. Wellcome Open Research, 2018, 3, 4.	1.8	19
87	Genetic loci and prioritization of genes for kidney function decline derived from a meta-analysis of 62 longitudinal genome-wide association studies. Kidney International, 2022, 102, 624-639.	5.2	18
88	Genome-Wide Association Study of Apparent Treatment-Resistant Hypertension in the CHARGE Consortium: The CHARGE Pharmacogenetics Working Group. American Journal of Hypertension, 2019, 32, 1146-1153.	2.0	17
89	Uric acid is not associated with diabetic nephropathy and other complications in type 1 diabetes. Nephrology Dialysis Transplantation, 2019, 34, 659-666.	0.7	17
90	Rare variant analysis in eczema identifies exonic variants in DUSP1, NOTCH4 and SLC9A4. Nature Communications, 2021, 12, 6618.	12.8	17

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91	Association of alcohol consumption with allergic disease and asthma: a multiâ€centre Mendelian randomization analysis. Addiction, 2019, 114, 216-225.	3.3	14
92	Continuity of Genetic Risk for Aggressive Behavior Across the Life-Course. Behavior Genetics, 2021, 51, 592-606.	2.1	13
93	Let-7a induces metabolic reprogramming in breast cancer cells via targeting mitochondrial encoded ND4. Cancer Cell International, 2021, 21, 629.	4.1	13
94	Dietary ascorbic acid and subsequent change in body weight and waist circumference: associations may depend on genetic predisposition to obesity - a prospective study of three independent cohorts. Nutrition Journal, 2014, 13, 43.	3.4	12
95	Carriers of aVEGFAenhancer polymorphism selectively binding CHOP/DDIT3 are predisposed to increased circulating levels of thyroid-stimulating hormone. Journal of Medical Genetics, 2017, 54, 166-175.	3.2	12
96	Genome-wide association study on coronary artery disease in type 1 diabetes suggests beta-defensin 127 as a risk locus. Cardiovascular Research, 2021, 117, 600-612.	3.8	12
97	The Low-Expression Variant of FABP4 Is Associated With Cardiovascular Disease in Type 1 Diabetes. Diabetes, 2021, 70, 2391-2401.	0.6	12
98	Meta-analysis of exome array data identifies six novel genetic loci for lung function. Wellcome Open Research, 0, 3, 4.	1.8	11
99	Oxidative stress in primary glomerular diseases: a comparative study. Molecular and Cellular Biochemistry, 2008, 311, 105-110.	3.1	10
100	Common variants in LEPR, IL6, AMD1, and NAMPT do not associate with risk of juvenile and childhood obesity in Danes: a caseâ€“control study. BMC Medical Genetics, 2015, 16, 105.	2.1	10
101	A Targeted Multiomics Approach to Identify Biomarkers Associated with Rapid eGFR Decline in Type 1 Diabetes. American Journal of Nephrology, 2020, 51, 839-848.	3.1	10
102	Serum 25-Hydroxyvitamin D Status and Longitudinal Changes in Weight and Waist Circumference: Influence of Genetic Predisposition to Adiposity. PLoS ONE, 2016, 11, e0153611.	2.5	9
103	Mendelian randomization analysis does not support causal associations of birth weight with hypertension risk and blood pressure in adulthood. European Journal of Epidemiology, 2020, 35, 685-697.	5.7	9
104	Association of Coding Variants in Hydroxysteroid 17-beta Dehydrogenase 14 (HSD17B14) with Reduced Progression to End Stage Kidney Disease in Type 1 Diabetes. Journal of the American Society of Nephrology: JASN, 2021, 32, 2634-2651.	6.1	9
105	Editorial: The Role of Genetic and Lifestyle Factors in Metabolic Diseases. Frontiers in Endocrinology, 2019, 10, 475.	3.5	8
106	Genome-wide study of early and severe childhood asthma identifies interaction between CDHR3 and GSDMB. Journal of Allergy and Clinical Immunology, 2022, 150, 622-630.	2.9	8
107	Cardiovascular Autonomic Neuropathy in Type 1 Diabetes Is Associated With Disturbances in TCA, Lipid, and Glucose Metabolism. Frontiers in Endocrinology, 2022, 13, 831793.	3.5	8
108	Association of an Osteopontin gene promoter polymorphism with susceptibility to diabetic nephropathy in Asian Indians. Clinica Chimica Acta, 2012, 413, 1600-1604.	1.1	7

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109	Cause-Specific Mortality According to Urine Albumin Creatinine Ratio in the General Population. PLoS ONE, 2014, 9, e93212.	2.5	7
110	Cardiovascular autonomic neuropathy and the impact on progression of diabetic kidney disease in type 1 diabetes. BMJ Open Diabetes Research and Care, 2021, 9, e002289.	2.8	7
111	A functional IFN-Î»4-generating DNA polymorphism could protect older asthmatic women from aeroallergen sensitization and associate with clinical features of asthma. Scientific Reports, 2017, 7, 10500.	3.3	6
112	Whole Genome Sequencing Identifies CRISPLD2 as a Lung Function Gene in Children With Asthma. Chest, 2019, 156, 1068-1079.	0.8	5
113	Effect modification of FADS2 polymorphisms on the association between breastfeeding and intelligence: results from a collaborative meta-analysis. International Journal of Epidemiology, 2019, 48, 45-57.	1.9	5
114	Interaction between filaggrin mutations and neonatal cat exposure in atopic dermatitis. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 1481-1485.	5.7	5
115	Copeptin and renal function decline, cardiovascular events and mortality in type 1 diabetes. Nephrology Dialysis Transplantation, 2020, , .	0.7	5
116	Lipoprotein(a)and renal function decline, cardiovascular disease and mortality in type 2 diabetes and microalbuminuria. Journal of Diabetes and Its Complications, 2020, 34, 107593.	2.3	4
117	Understanding the complex genetic architecture connecting rheumatoid arthritis, osteoporosis and inflammation: discovering causal pathways. Human Molecular Genetics, 2022, , .	2.9	3
118	Signal Transduction Inhibitors as Promising Anticancer Agents. BioMed Research International, 2015, 2015, 1-2.	1.9	2
119	Intake of Total and Subgroups of Fat Minimally Affect the Associations between Selected Single Nucleotide Polymorphisms in the PPARÎ³ Pathway and Changes in Anthropometry among European Adults from Cohorts of the DiOGenes Study. Journal of Nutrition, 2016, 146, 603-611.	2.9	2
120	Genetics of early-life head circumference and genetic correlations with neurological, psychiatric and cognitive outcomes. BMC Medical Genomics, 2022, 15, .	1.5	2
121	Prospective Studies Exploring the Possible Impact of an ID3 Polymorphism on Changes in Obesity Measures. Obesity, 2018, 26, 747-754.	3.0	1
122	Meta-analysis of exome array data identifies six novel genetic loci for lung function. Wellcome Open Research, 0, 3, 4.	1.8	1
123	Early-life respiratory tract infections and the risk of lower lung function and asthma:a meta-analysis of 154,492 children. , 2017, , .		0
124	Abstract 14182: Genome Wide Association Study for High Sensitive Cardiac Troponin T Levels Identifies a Novel Gene in Europeans With Type 1 Diabetes. Circulation, 2020, 142, .	1.6	0