Yi-Cheng Chang

List of Publications by Year
in descending order

105 papers	5,561 citations	117625 34 h-index	88630 70 g-index
116 all docs	116 docs citations	116 times ranked	11551 citing authors

#	Article	IF	Citations
1	Genome-wide trans-ancestry meta-analysis provides insight into the genetic architecture of type 2 diabetes susceptibility. Nature Genetics, 2014, 46, 234-244.	21.4	959
2	Meta-analysis of genome-wide association studies identifies eight new loci for type 2 diabetes in east Asians. Nature Genetics, 2012, 44, 67-72.	21.4	545
3	Inherited causes of clonal haematopoiesis in 97,691 whole genomes. Nature, 2020, 586, 763-768.	27.8	376
4	The trans-ancestral genomic architecture of glycemic traits. Nature Genetics, 2021, 53, 840-860.	21.4	341
5	Common Variation in the Fat Mass and Obesity-Associated (*FTO*) Gene Confers Risk of Obesity and Modulates BMI in the Chinese Population. Diabetes, 2008, 57, 2245-2252.	0.6	197
6	Association of genetic variation in FTO with risk of obesity and type 2 diabetes with data from 96,551 East and South Asians. Diabetologia, 2012, 55, 981-995.	6.3	171
7	Association Study of the Genetic Polymorphisms of the Transcription Factor 7-Like 2 (TCF7L2) Gene and Type 2 Diabetes in the Chinese Population. Diabetes, 2007, 56, 2631-2637.	0.6	170
8	Dynamic incorporation of multiple in silico functional annotations empowers rare variant association analysis of large whole-genome sequencing studies at scale. Nature Genetics, 2020, 52, 969-983.	21.4	146
9	Activation of Robo1 Signaling of Breast Cancer Cells by Slit2 from Stromal Fibroblast Restrains Tumorigenesis via Blocking PI3K/Akt/β-Catenin Pathway. Cancer Research, 2012, 72, 4652-4661.	0.9	127
10	Loss of corepressor PER2 under hypoxia up-regulates OCT1-mediated EMT gene expression and enhances tumor malignancy. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12331-12336.	7.1	124
11	Loss of the Oxidative Stress Sensor NPGPx Compromises GRP78 Chaperone Activity and Induces Systemic Disease. Molecular Cell, 2012, 48, 747-759.	9.7	120
12	Anaemia and related nutrient deficiencies after Roux-en-Y gastric bypass surgery: a systematic review and meta-analysis. BMJ Open, 2015, 5, e006964.	1.9	119
13	The role of oxidative stress in the pathogenesis of type 2 diabetes: from molecular mechanism to clinical implication. American Journal of Translational Research (discontinued), 2010, 2, 316-31.	0.0	87
14	Autocrine/paracrine mechanism of interleukin-17B receptor promotes breast tumorigenesis through NF-κB-mediated antiapoptotic pathway. Oncogene, 2014, 33, 2968-2977.	5.9	84
15	The relationship of visfatin/pre–B-cell colony-enhancing factor/nicotinamide phosphoribosyltransferase in adipose tissue with inflammation, insulin resistance, and plasma lipids. Metabolism: Clinical and Experimental, 2010, 59, 93-99.	3.4	83
16	Increased Risk of Fracture and Postfracture Adverse Events in Patients With Diabetes: Two Nationwide Population-Based Retrospective Cohort Studies. Diabetes Care, 2014, 37, 2246-2252.	8.6	74
17	A high-resolution HLA reference panel capturing global population diversity enables multi-ancestry fine-mapping in HIV host response. Nature Genetics, 2021, 53, 1504-1516.	21.4	69
18	A meta-analysis of genome-wide association studies for adiponectin levels in East Asians identifies a novel locus near WDR11-FGFR2. Human Molecular Genetics, 2014, 23, 1108-1119.	2.9	68

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19	Association of Obesity, Diabetes, and Risk of Tuberculosis: Two Population-Based Cohorts. Clinical Infectious Diseases, 2018, 66, 699-705.	5.8	66
20	Deficiency of <scp>NPGP</scp> x, an oxidative stress sensor, leads to obesity in mice and human. EMBO Molecular Medicine, 2013, 5, 1165-1179.	6.9	65
21	Adverse Outcomes After Noncardiac Surgery in Patients With Diabetes. Diabetes Care, 2013, 36, 3216-3221.	8.6	63
22	Genetic polymorphisms of the angiotensin II type 1 receptor gene and diastolic heart failure. Journal of Hypertension, 2009, 27, 502-507.	0.5	60
23	Cross-Sectional Validation of Diabetes Risk Scores for Predicting Diabetes, Metabolic Syndrome, and Chronic Kidney Disease in Taiwanese. Diabetes Care, 2009, 32, 2294-2296.	8.6	55
24	Impact of Diabetes on Stroke Risk and Outcomes. Medicine (United States), 2015, 94, e2282.	1.0	50
25	Genetic Variants of <i>TCF7L2</i> Are Associated with Insulin Resistance and Related Metabolic Phenotypes in Taiwanese Adolescents and Caucasian Young Adults. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 3575-3582.	3.6	48
26	Early detection of diabetic kidney disease: Present limitations and future perspectives. World Journal of Diabetes, 2016, 7, 290.	3.5	48
27	Association of intraocular pressure with the metabolic syndrome and novel cardiometabolic risk factors. Eye, 2010, 24, 1037-1043.	2.1	45
28	High TSH Level within Normal Range Is Associated with Obesity, Dyslipidemia, Hypertension, Inflammation, Hypercoagulability, and the Metabolic Syndrome: A Novel Cardiometabolic Marker. Journal of Clinical Medicine, 2019, 8, 817.	2.4	41
29	MTAP is an independent prognosis marker and the concordant loss of MTAP and p16 expression predicts short survival in non-small cell lung cancer patients. European Journal of Surgical Oncology, 2014, 40, 1143-1150.	1.0	40
30	Common ALDH2 genetic variants predict development of hypertension in the SAPPHIRe prospective cohort: Gene-environmental interaction with alcohol consumption. BMC Cardiovascular Disorders, 2012, 12, 58.	1.7	39
31	Validation of Type 2 Diabetes Risk Variants Identified by Genome-Wide Association Studies in Han Chinese Population: A Replication Study and Meta-Analysis. PLoS ONE, 2014, 9, e95045.	2.5	38
32	Executive summary of the DAROC clinical practice guidelines for diabetes care- 2018. Journal of the Formosan Medical Association, 2020, 119, 577-586.	1.7	38
33	Cardiovascular Risk Associated With Acarbose Versus Metformin as the First-Line Treatment in Patients With Type 2 Diabetes: A Nationwide Cohort Study. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 1121-1129.	3.6	37
34	Replication of genome‐wide association signals of type 2 diabetes in Han Chinese in a prospective cohort. Clinical Endocrinology, 2012, 76, 365-372.	2.4	36
35	Common <i>PCSK1</i> Haplotypes Are Associated With Obesity in the Chinese Population. Obesity, 2010, 18, 1404-1409.	3.0	34
36	Severe hepatic injury associated with different statins in patients with chronic liver disease: A nationwide population‐based cohort study. Journal of Gastroenterology and Hepatology (Australia), 2015, 30, 155-162.	2.8	31

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37	Subclinical and overt hypothyroidism is associated with reduced glomerular filtration rate and proteinuria: a large cross-sectional population study. Scientific Reports, 2018, 8, 2031.	3.3	31
38	Cardiovascular risks associated with second-line oral antidiabetic agents added to metformin in patients with Type 2 diabetes: a nationwide cohort study. Diabetic Medicine, 2015, 32, 1460-1469.	2.3	30
39	Genetic variation of SORBS1 gene is associated with glucose homeostasis and age at onset of diabetes: A SAPPHIRe Cohort Study. Scientific Reports, 2018, 8, 10574.	3.3	29
40	Genome sequencing unveils a regulatory landscape of platelet reactivity. Nature Communications, 2021, 12, 3626.	12.8	29
41	Recent progress in the genetics of diabetic microvascular complications. World Journal of Diabetes, 2015, 6, 715.	3.5	28
42	The Associations of *LPIN1* Gene Expression in Adipose Tissue With Metabolic Phenotypes in the Chinese Population. Obesity, 2010, 18, 7-12.	3.0	27
43	Naa10p Inhibits Beige Adipocyte-Mediated Thermogenesis through N-α-acetylation of Pgc1α. Molecular Cell, 2019, 76, 500-515.e8.	9.7	27
44	The Relationship between Thyrotropin Receptor Antibody Levels and Intrathyroid Vascularity in Patients with Graves' Disease. Experimental and Clinical Endocrinology and Diabetes, 2013, 121, 1-5.	1.2	25
45	Glucagon-like peptide-1 prevents methylglyoxal-induced apoptosis of beta cells through improving mitochondrial function and suppressing prolonged AMPK activation. Scientific Reports, 2016, 6, 23403.	3.3	25
46	Rare coding variants in 35 genes associate with circulating lipid levels—A multi-ancestry analysis of 170,000 exomes. American Journal of Human Genetics, 2022, 109, 81-96.	6.2	24
47	Mitochondrial DNA associations with East Asian metabolic syndrome. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 878-892.	1.0	22
48	Interaction of ADIPOQ Genetic Polymorphism With Blood Pressure and Plasma Cholesterol Level on the Risk of Coronary Artery Disease. Circulation Journal, 2009, 73, 1934-1938.	1.6	21
49	Genetic predisposition and nongenetic risk factors of thiazolidinedione-related edema in patients with type 2 diabetes. Pharmacogenetics and Genomics, 2011, 21, 829-836.	1.5	21
50	Genetic polymorphisms of PCSK2 are associated with glucose homeostasis and progression to type 2 diabetes in a Chinese population. Scientific Reports, 2015, 5, 14380.	3.3	21
51	Inhibition of Prostaglandin Reductase 2, a Putative Oncogene Overexpressed in Human Pancreatic Adenocarcinoma, Induces Oxidative Stress-Mediated Cell Death Involving xCT and CTH Gene Expressions through 15-Keto-PGE2. PLoS ONE, 2016, 11, e0147390.	2.5	21
52	Diabetes risks and outcomes in chronic obstructive pulmonary disease patients: Two nationwide population-based retrospective cohort studies. PLoS ONE, 2017, 12, e0181815.	2.5	21
53	Different angiotensin receptor blockers and incidence of diabetes: a nationwide population-based cohort study. Cardiovascular Diabetology, 2014, 13, 91.	6.8	19
54	Prostaglandin reductase-3 negatively modulates adipogenesis through regulation of PPARγ activity. Journal of Lipid Research, 2013, 54, 2391-2399.	4.2	18

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55	TCF7L2 genetic variants and progression to diabetes in the Chinese population: pleiotropic effects on insulin secretion and insulin resistance. Journal of Molecular Medicine, 2010, 88, 183-192.	3.9	17
56	The Role of Nocturnin in Early Adipogenesis and Modulation of Systemic Insulin Resistance in Human. Obesity, 2012, 20, 1558-1565.	3.0	17
57	No increased risk of hospitalization for heart failure for patients treated with dipeptidyl peptidase-4 inhibitors in Taiwan. International Journal of Cardiology, 2016, 220, 14-20.	1.7	17
58	Chromosome Xq23 is associated with lower atherogenic lipid concentrations and favorable cardiometabolic indices. Nature Communications, 2021, 12, 2182.	12.8	17
59	Knockdown of RyR3 Enhances Adiponectin Expression Through an atf3-Dependent Pathway. Endocrinology, 2013, 154, 1117-1129.	2.8	16
60	Adverse Outcomes after Major Surgeries in Patients with Diabetes: A Multicenter Matched Study. Journal of Clinical Medicine, 2019, 8, 100.	2.4	16
61	SLC2A10 genetic polymorphism predicts development of peripheral arterial disease in patients with type 2 diabetes. SLC2A10and PAD in type 2 diabetes. BMC Medical Genetics, 2010, 11, 126.	2.1	15
62	Prostaglandin Reductase 2 Modulates ROS-Mediated Cell Death and Tumor Transformation of Gastric Cancer Cells and Is Associated with Higher Mortality in Gastric Cancer Patients. American Journal of Pathology, 2012, 181, 1316-1326.	3.8	15
63	Dipeptidyl Peptidase-4 Inhibitor Use Is Not Associated With Acute Pancreatitis in High-Risk Type 2 Diabetic Patients. Medicine (United States), 2016, 95, e2603.	1.0	15
64	Genomeâ€wide scan for circulating vascular adhesion proteinâ€1 levels: <i><scp>MACROD</scp>2</i> as a potential transcriptional regulator of adipogenesis. Journal of Diabetes Investigation, 2018, 9, 1067-1074.	2.4	13
65	The Association Between Body Mass Index and the Risk of Hospitalization and Mortality due to Infection: A Prospective Cohort Study. Open Forum Infectious Diseases, 2021, 8, ofaa545.	0.9	13
66	Neuropsychiatric Disturbances and Hypopituitarism After Traumatic Brain Injury in an Elderly Man. Journal of the Formosan Medical Association, 2006, 105, 172-176.	1.7	12
67	Preoperative prediction of papillary thyroid carcinoma prognosis with the assistance of computerized morphometry of cytology samples obtained by fineâ€needle aspiration: Preliminary report. Head and Neck, 2013, 35, 28-34.	2.0	12
68	The Role of Organelle Stresses in Diabetes Mellitus and Obesity: Implication for Treatment. Analytical Cellular Pathology, 2015, 2015, 1-14.	1.4	12
69	Genetic Variation in the Human SORBS1 Gene is Associated With Blood Pressure Regulation and Age at Onset of Hypertension. Medicine (United States), 2016, 95, e2970.	1.0	12
70	Genome-wide association study for circulating fibroblast growth factor 21 and 23. Scientific Reports, 2020, 10, 14578.	3.3	11
71	The Effects of Bariatric Surgery on Renal, Neurological, and Ophthalmic Complications in Patients with Type 2 Diabetes: the Taiwan Diabesity Study. Obesity Surgery, 2021, 31, 117-126.	2.1	11
72	Pro-inflammatory cytokines IL-6 and CCL2 suppress expression of circadian gene Period2 in mammary epithelial cells. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2018, 1861, 1007-1017.	1.9	10

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73	The Causal Relationship of Circulating Triglyceride and Glycated Hemoglobin: A Mendelian Randomization Study. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 908-919.	3.6	10
74	Genetic Variation in the NOC Gene Is Associated with Body Mass Index in Chinese Subjects. PLoS ONE, 2013, 8, e69622.	2.5	10
75	Association between Exosomal miRNAs and Coronary Artery Disease by Next-Generation Sequencing. Cells, 2022, 11, 98.	4.1	9
76	Genetic variation in the carbonyl reductase 3 gene confers risk of type 2 diabetes and insulin resistance: a potential regulator of adipogenesis. Journal of Molecular Medicine, 2012, 90, 847-858.	3.9	8
77	Association of the variations in the HSD3Î² gene with primary aldosteronism. Journal of Hypertension, 2013, 31, 1396-1405.	0.5	8
78	Increased diabetes risk and interaction with social and medical events in patients upon stroke: Two nationwide studies. Atherosclerosis, 2017, 265, 87-92.	0.8	7
79	Stratified risks of infection-related hospitalization in patients with chronic kidney disease - A prospective cohort study. Scientific Reports, 2020, 10, 4475.	3.3	7
80	<p>Evaluating Risk of Incident Diabetes Between Patients Who Used Lovastatin and Red Yeast Rice Prescriptions (LipoCol Forte): A Retrospective Cohort Study Based on a Real-World Database</p>. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2020, Volume 13, 89-98.	2.4	7
81	A Triglycerideâ€Raising <i>APOA5</i> Genetic Variant Is Negatively Associated With Obesity and BMI in the Chinese Population. Obesity, 2010, 18, 1964-1968.	3.0	6
82	Outcomes after surgery in patients with diabetes who used metformin: a retrospective cohort study based on a real-world database. BMJ Open Diabetes Research and Care, 2020, 8, e001351.	2.8	6
83	A Novel ALDH2 Activator AD-9308 Improves Diastolic and Systolic Myocardial Functions in Streptozotocin-Induced Diabetic Mice. Antioxidants, 2021, 10, 450.	5.1	6
84	Identification of Novel Biomarkers for Pre-diabetic Diagnosis Using a Combinational Approach. Frontiers in Endocrinology, 2021, 12, 641336.	3.5	6
85	Risk and outcomes of diabetes in patients with epilepsy. Scientific Reports, 2021, 11, 18888.	3.3	6
86	Hemoglobin glycation index predicts renal function deterioration in patients with type 2 diabetes and a low risk of chronic kidney disease. Diabetes Research and Clinical Practice, 2022, 186, 109834.	2.8	6
87	Validation of Diabetes Risk Scores for Predicting Diabetes Diagnosed by Oral Glucose Tolerance Test. Diabetes Care, 2010, 33, e26-e26.	8.6	5
88	Genome-wide linkage analysis and regional fine mapping identified variants in the RYR3 gene as a novel quantitative trait locus for circulating adiponectin in Chinese population. Medicine (United States), 2016, 95, e5174.	1.0	5
89	Early Myocardial Repolarization Heterogeneity Is Detected by Magnetocardiography in Diabetic Patients with Cardiovascular Risk Factors. PLoS ONE, 2015, 10, e0133192.	2.5	5
90	Outcomes following diabetes admission in patients who had influenza vaccination: A population-based cohort study. Diabetes Research and Clinical Practice, 2022, 189, 109930.	2.8	5

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91	Visitâ€toâ€visit variability in albuminuria predicts renal function deterioration in patients with typeâ€‰2 diabetes. Journal of Diabetes Investigation, 2022, 13, 1021-1029.	2.4	4
92	*IGF1* Gene Is Associated With Triglyceride Levels In Subjects With Family History Of Hypertension From The SAPPHIRe And TWB Projects. International Journal of Medical Sciences, 2018, 15, 1035-1042.	2.5	3
93	Sleep Duration and Proteinuria Progression: A Population-Based Cohort Study. American Journal of Nephrology, 2019, 49, 41-51.	3.1	3
94	Study design and recruitment for a prospective controlled study of diabesity: Taiwan Diabesity Study. Asian Journal of Surgery, 2019, 42, 244-250.	0.4	3
95	Fibroblast Growth Factor Receptor Inhibitors Reduce Adipogenesis of Orbital Fibroblasts and Enhance Myofibroblastic Differentiation in Gravesâ€™ Orbitopathy. Ocular Immunology and Inflammation, 2021, 29, 193-202.	1.8	3
96	T helper 17 cells: A new actor on the stage of typeÂ2 diabetes and aging?. Journal of Diabetes Investigation, 2021, 12, 909-913.	2.4	3
97	Rare coding variants in RCN3 are associated with blood pressure. BMC Genomics, 2022, 23, 148.	2.8	2
98	Disruption of Cytosolic Folate Integrity Aggravates Resistance to Epidermal Growth Factor Receptor Tyrosine Kinase Inhibitors and Modulates Metastatic Properties in Non-Small-Cell Lung Cancer Cells. International Journal of Molecular Sciences, 2021, 22, 8838.	4.1	1
99	A genome-wide association study for melatonin secretion. Scientific Reports, 2022, 12, 8025.	3.3	1
100	Anatomical Asymmetry in Goiter: A Demonstration by Three-dimensional Power Doppler Ultrasound. Journal of Medical Ultrasound, 2010, 18, 27-33.	0.4	0
101	Reply to â€˜Longâ€term use of acarbose and CV event: confusing finding from mega data bankâ€™. Diabetic Medicine, 2016, 33, 1750-1751.	2.3	0
102	Effect of bariatric surgery on diabetic complications: the Taiwan diabesity study. Diabetes Research and Clinical Practice, 2016, 120, S183-S184.	2.8	0
103	0475 Prevalence And Clinical Features Of Undiagnosed Obesity Hypoventilation Syndrome In Patients Admitted To Intensive Critical Care Unit: A Prospective Study. Sleep, 2019, 42, A190-A191.	1.1	0
104	451 Change of sleep disordered breathing severity in obese patients receiving Laparoscopic sleeve gastrectomy. Sleep, 2021, 44, A178-A179.	1.1	0
105	Commentary to the article â€œMetabolic syndrome and the risk of preclinical heart failure: Insights after 17 years of follow-up from the STANISLAS Cohortâ€• Cardiology, 2022, , .	1.4	0