

Dianjianyi Sun

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

3,601
citations

201674

27
h-index

161849

54
g-index

121
all docs

121
docs citations

121
times ranked

5915
citing authors

#	ARTICLE	IF	CITATIONS
1	An epigenetic clock analysis of race/ethnicity, sex, and coronary heart disease. <i>Genome Biology</i> , 2016, 17, 171.	8.8	535
2	Sleep patterns, genetic susceptibility, and incident cardiovascular disease: a prospective study of 385,292 UK biobank participants. <i>European Heart Journal</i> , 2020, 41, 1182-1189.	2.2	280
3	DNA methylation-based estimator of telomere length. <i>Aging</i> , 2019, 11, 5895-5923.	3.1	198
4	Impact of Long-Term Burden of Excessive Adiposity and Elevated Blood Pressure From Childhood on Adulthood Left Ventricular Remodeling Patterns. <i>Journal of the American College of Cardiology</i> , 2014, 64, 1580-1587.	2.8	148
5	Consumption of spicy foods and total and cause specific mortality: population based cohort study. <i>BMJ</i> , The, 2015, 351, h3942.	6.0	138
6	Type 2 Diabetes and Hypertension. <i>Circulation Research</i> , 2019, 124, 930-937.	4.5	136
7	Frailty index and all-cause and cause-specific mortality in Chinese adults: a prospective cohort study. <i>Lancet Public Health</i> , The, 2020, 5, e650-e660.	10.0	134
8	Gut microbiota metabolites, amino acid metabolites and improvements in insulin sensitivity and glucose metabolism: the POUNDS Lost trial. <i>Gut</i> , 2019, 68, 263-270.	12.1	123
9	Improving adherence to healthy dietary patterns, genetic risk, and long term weight gain: gene-diet interaction analysis in two prospective cohort studies. <i>BMJ: British Medical Journal</i> , 2018, 360, j5644.	2.3	107
10	Lifestyle, cardiometabolic disease, and multimorbidity in a prospective Chinese study. <i>European Heart Journal</i> , 2021, 42, 3374-3384.	2.2	105
11	Genome-wide association studies identify 137 genetic loci for DNA methylation biomarkers of aging. <i>Genome Biology</i> , 2021, 22, 194.	8.8	90
12	Association of habitual glucosamine use with risk of cardiovascular disease: prospective study in UK Biobank. <i>BMJ: British Medical Journal</i> , 2019, 365, l1628.	2.3	63
13	Changes in Gut Microbiota-Related Metabolites and Long-term Successful Weight Loss in Response to Weight-Loss Diets: The POUNDS Lost Trial. <i>Diabetes Care</i> , 2018, 41, 413-419.	8.6	61
14	Temporal Relationship Between Elevated Blood Pressure and Arterial Stiffening Among Middle-Aged Black and White Adults. <i>American Journal of Epidemiology</i> , 2016, 183, 599-608.	3.4	57
15	Association of DNA Methylation at CPT1A Locus with Metabolic Syndrome in the Genetics of Lipid Lowering Drugs and Diet Network (GOLDN) Study. <i>PLoS ONE</i> , 2016, 11, e0145789.	2.5	54
16	Body Mass Index Drives Changes in DNA Methylation. <i>Circulation Research</i> , 2019, 125, 824-833.	4.5	52
17	Gender-Specific Association between Tobacco Smoking and Central Obesity among 0.5 Million Chinese People: The China Kadoorie Biobank Study. <i>PLoS ONE</i> , 2015, 10, e0124586.	2.5	49
18	Spicy food consumption is associated with adiposity measures among half a million Chinese people: the China Kadoorie Biobank study. <i>BMC Public Health</i> , 2014, 14, 1293.	2.9	46

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19	Glucosamine Use, Inflammation, and Genetic Susceptibility, and Incidence of Type 2 Diabetes: A Prospective Study in UK Biobank. <i>Diabetes Care</i> , 2020, 43, 719-725.	8.6	45
20	Temporal Relationship Between Childhood Body Mass Index and Insulin and Its Impact on Adult Hypertension. <i>Hypertension</i> , 2016, 68, 818-823.	2.7	42
21	Healthful plant-based dietary patterns, genetic risk of obesity, and cardiovascular risk in the UK biobank study. <i>Clinical Nutrition</i> , 2021, 40, 4694-4701.	5.0	36
22	Tobacco smoking strengthens the association of elevated blood pressure with arterial stiffness. <i>Journal of Hypertension</i> , 2015, 33, 266-274.	0.5	34
23	Dairy Consumption and Body Mass Index Among Adults: Mendelian Randomization Analysis of 184802 Individuals from 25 Studies. <i>Clinical Chemistry</i> , 2018, 64, 183-191.	3.2	34
24	Genome-wide association study of breakfast skipping links clock regulation with food timing. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 473-484.	4.7	34
25	Uric Acid Is Associated with Metabolic Syndrome in Children and Adults in a Community: The Bogalusa Heart Study. <i>PLoS ONE</i> , 2014, 9, e89696.	2.5	33
26	Identification, Heritability, and Relation With Gene Expression of Novel DNA Methylation Loci for Blood Pressure. <i>Hypertension</i> , 2020, 76, 195-205.	2.7	33
27	Genetic susceptibility, plant-based dietary patterns, and risk of cardiovascular disease. <i>American Journal of Clinical Nutrition</i> , 2020, 112, 220-228.	4.7	32
28	Circulating Gut Microbiota Metabolite Trimethylamine N-Oxide (TMAO) and Changes in Bone Density in Response to Weight Loss Diets: The POUNDS Lost Trial. <i>Diabetes Care</i> , 2019, 42, 1365-1371.	8.6	31
29	Improving fruit and vegetable intake attenuates the genetic association with long-term weight gain. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 759-768.	4.7	30
30	Starch Digestion-Related Amylase Genetic Variant Affects 2-Year Changes in Adiposity in Response to Weight-Loss Diets: The POUNDS Lost Trial. <i>Diabetes</i> , 2017, 66, 2416-2423.	0.6	29
31	Secondhand smoke exposure is associated with increased carotid artery intima-media thickness: The Bogalusa Heart Study. <i>Atherosclerosis</i> , 2015, 240, 374-379.	0.8	28
32	Dietary glutamine, glutamate and mortality: two large prospective studies in US men and women. <i>International Journal of Epidemiology</i> , 2018, 47, 311-320.	1.9	28
33	Quality of dietary fat and genetic risk of type 2 diabetes: individual participant data meta-analysis. <i>BMJ: British Medical Journal</i> , 2019, 366, l4292.	2.3	28
34	Genetic, epigenetic and transcriptional variations at NFATC2IP locus with weight loss in response to diet interventions: The POUNDS Lost Trial. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 2298-2303.	4.4	27
35	A circadian rhythm-related MTNR1B genetic variant modulates the effect of weight-loss diets on changes in adiposity and body composition: the POUNDS Lost trial. <i>European Journal of Nutrition</i> , 2019, 58, 1381-1389.	3.9	27
36	Prevalence and Trends in Gestational Diabetes Mellitus among Women in the United States, 2006-2016. <i>Diabetes</i> , 2018, 67, 121-OR.	0.6	26

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37	Habitual consumption of long-chain n-3 PUFAs and fish attenuates genetically associated long-term weight gain. <i>American Journal of Clinical Nutrition</i> , 2019, 109, 665-673.	4.7	25
38	Variability and rapid increase in body mass index during childhood are associated with adult obesity. <i>International Journal of Epidemiology</i> , 2015, 44, 1943-1950.	1.9	24
39	Gallstone disease and increased risk of mortality: Two large prospective studies in US men and women. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2018, 33, 1925-1931.	2.8	24
40	Educational attainment and drinking behaviors: Mendelian randomization study in UK Biobank. <i>Molecular Psychiatry</i> , 2021, 26, 4355-4366.	7.9	24
41	Independent and Synergistic Associations of Biomarkers of Vitamin D Status With Risk of Coronary Heart Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 2204-2212.	2.4	23
42	Macronutrient-specific effect of the MTNR1B genotype on lipid levels in response to 2 year weight-loss diets. <i>Journal of Lipid Research</i> , 2018, 59, 155-161.	4.2	20
43	Dairy Intake and Body Composition and Cardiometabolic Traits among Adults: Mendelian Randomization Analysis of 182041 Individuals from 18 Studies. <i>Clinical Chemistry</i> , 2019, 65, 751-760.	3.2	20
44	Alcohol Consumption Levels as Compared With Drinking Habits in Predicting All-Cause Mortality and Cause-Specific Mortality in Current Drinkers. <i>Mayo Clinic Proceedings</i> , 2021, 96, 1758-1769.	3.0	19
45	Epigenome-wide association study of leukocyte telomere length. <i>Aging</i> , 2019, 11, 5876-5894.	3.1	19
46	A multi-ethnic epigenome-wide association study of leukocyte DNA methylation and blood lipids. <i>Nature Communications</i> , 2021, 12, 3987.	12.8	18
47	A History of Asthma From Childhood and Left Ventricular Mass in Asymptomatic Young Adults. <i>JACC: Heart Failure</i> , 2017, 5, 497-504.	4.1	17
48	<i>HNF1A</i> variant, energy-reduced diets and insulin resistance improvement during weight loss: The POUNDS Lost trial and DIRECT. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 1445-1452.	4.4	17
49	Birthweight and cardiometabolic risk patterns in multiracial children. <i>International Journal of Obesity</i> , 2018, 42, 20-27.	3.4	17
50	Gut-microbiome-related LCT genotype and 2-year changes in body composition and fat distribution: the POUNDS Lost Trial. <i>International Journal of Obesity</i> , 2018, 42, 1565-1573.	3.4	16
51	Epigenome-wide analysis of DNA methylation and coronary heart disease: a nested case-control study. <i>ELife</i> , 2021, 10, .	6.0	16
52	Two-year changes in circulating adiponectin, ectopic fat distribution and body composition in response to weight-loss diets: the POUNDS Lost Trial. <i>International Journal of Obesity</i> , 2016, 40, 1723-1729.	3.4	15
53	Adherence to Healthy Lifestyle and Attenuation of Biological Aging in Middle-Aged and Older Chinese Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 2232-2241.	3.6	15
54	A Systems Genetics Approach Identified GPD1L and its Molecular Mechanism for Obesity in Human Adipose Tissue. <i>Scientific Reports</i> , 2017, 7, 1799.	3.3	14

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55	Genetic Susceptibility, Change in Physical Activity, and Long-term Weight Gain. <i>Diabetes</i> , 2017, 66, 2704-2712.	0.6	14
56	Maternal Gestational Diabetes Mellitus Modifies the Relationship Between Genetically Determined Body Mass Index During Pregnancy and Childhood Obesity. <i>Mayo Clinic Proceedings</i> , 2020, 95, 1877-1887.	3.0	14
57	Blood DNA methylation markers associated with type 2 diabetes, fasting glucose, and HbA1c levels: An epigenome-wide association study in 316 adult twin pairs. <i>Genomics</i> , 2021, 113, 4206-4213.	2.9	14
58	Chemerin-induced macrophages pyroptosis in fetal brain tissue leads to cognitive disorder in offspring of diabetic dams. <i>Journal of Neuroinflammation</i> , 2019, 16, 226.	7.2	13
59	Genetic Susceptibility, Dietary Protein Intake, and Changes of Blood Pressure. <i>Hypertension</i> , 2019, 74, 1460-1467.	2.7	12
60	The Lifestyle-Related Cardiovascular Risk Is Modified by Sleep Patterns. <i>Mayo Clinic Proceedings</i> , 2022, 97, 519-530.	3.0	12
61	Genetic variations of circulating adiponectin levels modulate changes in appetite in response to weight-loss diets. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, jc.2016-2909.	3.6	11
62	PCSK9 variant, long-chain n-3 PUFAs, and risk of nonfatal myocardial infarction in Costa Rican Hispanics. <i>American Journal of Clinical Nutrition</i> , 2017, 105, 1198-1203.	4.7	11
63	Blood Pressure and Left Ventricular Geometric Changes: A Directionality Analysis. <i>Hypertension</i> , 2021, 78, 1259-1266.	2.7	11
64	Effect of Serum Adiponectin Levels on the Association Between Childhood Body Mass Index and Adulthood Carotid Intima-Media Thickness. <i>American Journal of Cardiology</i> , 2018, 121, 579-583.	1.6	10
65	Quality of life and patient satisfaction after submandibular gland transplantation in patients with severe dry eye disease. <i>Ocular Surface</i> , 2019, 17, 470-475.	4.4	10
66	The Changes of Nutrition Labeling of Packaged Food in Hangzhou in China during 2008-2010. <i>PLoS ONE</i> , 2011, 6, e28443.	2.5	9
67	Genetically determined vitamin D levels and change in bone density during a weight-loss diet intervention: the Preventing Overweight Using Novel Dietary Strategies (POUNDS Lost) Trial. <i>American Journal of Clinical Nutrition</i> , 2018, 108, 1129-1134.	4.7	9
68	Genetic variation of habitual coffee consumption and glycemic changes in response to weight-loss diet intervention: the Preventing Overweight Using Novel Dietary Strategies (POUNDS LOST) trial. <i>American Journal of Clinical Nutrition</i> , 2017, 106, 1321-1326.	4.7	8
69	History of Asthma From Childhood and Arterial Stiffness in Asymptomatic Young Adults. <i>Hypertension</i> , 2018, 71, 928-936.	2.7	8
70	Perinatal exposure to maternal smoking and adulthood smoking behaviors in predicting cardiovascular diseases: A prospective cohort study. <i>Atherosclerosis</i> , 2021, 328, 52-59.	0.8	8
71	Dietary pattern derived by reduced-rank regression and cardiovascular disease: A cross-sectional study. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2022, 32, 337-345.	2.6	8
72	Zinc-Associated Variant in SLC30A8 Gene Interacts With Gestational Weight Gain on Postpartum Glycemic Changes: A Longitudinal Study in Women With Prior Gestational Diabetes Mellitus. <i>Diabetes</i> , 2016, 65, 3786-3793.	0.6	7

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73	Childhood Risk Factors and Pregnancy-Induced Hypertension: The Bogalusa Heart Study. <i>American Journal of Hypertension</i> , 2016, 29, 1206-1211.	2.0	7
74	Changes of Branched-Chain Amino Acids and Ectopic Fat in Response to Weight-loss Diets: the POUNDS Lost Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e3747-e3756.	3.6	7
75	The hospitalization burden of all-cause pneumonia in China: A population-based study, 2009–2017. <i>The Lancet Regional Health - Western Pacific</i> , 2022, 22, 100443.	2.9	7
76	Distinct genetic subtypes of adiposity and glycemic changes in response to weight-loss diet intervention: the POUNDS Lost trial. <i>European Journal of Nutrition</i> , 2021, 60, 249-258.	3.9	6
77	Genetically determined SCFA concentration modifies the association of dietary fiber intake with changes in bone mineral density during weight loss: The Preventing Overweight Using Novel Dietary Strategies (POUNDS LOST) trial. <i>American Journal of Clinical Nutrition</i> , 2021, 114, 42-48.	4.7	6
78	The Roles of Genetic and Early-Life Environmental Factors in the Association Between Overweight or Obesity and Hypertension: A Population-Based Twin Study. <i>Frontiers in Endocrinology</i> , 2021, 12, 743962.	3.5	6
79	Insulin-sensitive adiposity is associated with a relatively lower risk of diabetes than insulin-resistant adiposity: the Bogalusa Heart Study. <i>Endocrine</i> , 2016, 54, 93-100.	2.3	5
80	Fish and marine fatty acids intakes, the <i>FADS</i> genotypes and long-term weight gain: a prospective cohort study. <i>BMJ Open</i> , 2019, 9, e022877.	1.9	5
81	Maternal smoking, genetic susceptibility, and birth-to-adulthood body weight. <i>International Journal of Obesity</i> , 2020, 44, 1330-1340.	3.4	5
82	Pneumonia hospitalizations and the subsequent risk of incident ischaemic cardiovascular disease in Chinese adults. <i>International Journal of Epidemiology</i> , 2021, 50, 1698-1707.	1.9	5
83	Overweight and risk of type 2 diabetes: A prospective Chinese twin study. <i>Diabetes and Metabolism</i> , 2022, 48, 101278.	2.9	5
84	Education, income, and obesity: A nationwide Chinese twin study. <i>Obesity</i> , 2022, 30, 931-942.	3.0	5
85	Development of a Model to Predict 10-Year Risk of Ischemic and Hemorrhagic Stroke and Ischemic Heart Disease Using the China Kadoorie Biobank. <i>Neurology</i> , 2022, 98, .	1.1	5
86	DNA methylation variant, B-vitamins intake and longitudinal change in body mass index. <i>International Journal of Obesity</i> , 2019, 43, 468-474.	3.4	4
87	Maternal GDM Status, Genetically Determined Blood Glucose, and Offspring Obesity Risk: An Observational Study. <i>Obesity</i> , 2021, 29, 204-212.	3.0	4
88	Genome-wide analysis of DNA methylation and risk of cardiovascular disease in a Chinese population. <i>BMC Cardiovascular Disorders</i> , 2021, 21, 240.	1.7	4
89	Low-risk Lifestyle and Health Factors and Risk of Mortality and Vascular Complications in Chinese Patients With Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e3919-e3928.	3.6	4
90	Joint Associations of Actual Age and Genetically Determined Age at Menarche With Risk of Mortality. <i>JAMA Network Open</i> , 2021, 4, e2115297.	5.9	3

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91	Ligustrum robustum Intake, Weight Loss, and Gut Microbiota: An Intervention Trial. Evidence-based Complementary and Alternative Medicine, 2019, 2019, 1-11.	1.2	2
92	A Comparison of Preterm Birth Rate and Growth from Birth to 18 Years Old between in Vitro Fertilization and Spontaneous Conception of Twins. Twin Research and Human Genetics, 2021, 24, 1-6.	0.6	2
93	Abstract MP60: Changes in Gut Microbiota Metabolite TMAO Are Related to Changes in Hepatic and Visceral Fat in Weight-loss Diet Interventions: the POUNDS Lost Trial. Circulation, 2019, 139, .	1.6	2
94	Associations of Obesity Measurements with Serum Metabolomic Profile: A Chinese Twin Study. Twin Research and Human Genetics, 2021, 24, 14-21.	0.6	1
95	Gut Microbiota Metabolites, Amino Acid Metabolites, and Improvements in Diabetes-Related Traitsâ€”The POUNDS Lost Trial. Diabetes, 2018, 67, 297-OR.	0.6	1
96	Panoramic smoking burden and genetic susceptibility in relation to allâ€”cause and causeâ€”specific mortality: a prospective study in UK Biobank. Addiction, 2021, , .	3.3	1
97	Diabetes Comorbidity and All-Cause, Cardiovascular, and Cancer Mortality in U.S. Adults. Diabetes, 2018, 67, .	0.6	1
98	200Pneumonia hospitalization and the subsequent risk of incident ischemic cardiovascular disease in Chinese adults. International Journal of Epidemiology, 2021, 50, .	1.9	0
99	Diet/Lifestyle Intervention Influences Genetic Effect of TCF7L2 Genotype on Glycemic Control and Adiposity Among 4,114 Individuals Enrolled in Seven Randomized Controlled Trials. SSRN Electronic Journal, 0, , .	0.4	0
100	Habitual Glucosamine Use is Associated with a Reduced Risk of Cardiovascular Disease, a Prospective Study in the UK Biobank. SSRN Electronic Journal, 0, , .	0.4	0
101	Abstract P078: Gestational Weight Gain Modifies the Effect of the Circadian Rhythms Related MTNR1B Genotype on Postpartum Glycemic Changes: A Longitudinal Study in Women With Prior Gestational Diabetes. Circulation, 2018, 137, .	1.6	0
102	Abstract P183: 20-year Secular Trend of Cardiovascular Disease Comorbidities in the United States, 1997-2016. Circulation, 2018, 137, .	1.6	0
103	Abstract P219: Changes in Dental Health and Coronary Heart Disease Risk: Two Prospective Cohort Studies in Men and Women. Circulation, 2018, 137, .	1.6	0
104	Twenty-Year Secular Trend of Diabetes Comorbidities in the United States, 1997-2016. Diabetes, 2018, 67, .	0.6	0
105	Associations of Changes in Weight and Waist Circumference with Cardiovascular Disease and Mortality in Chinese Adults. SSRN Electronic Journal, 0, , .	0.4	0
106	Abstract P040: Body Mass Index, Sedentary Lifestyle, and Incidence of Coronary Heart Disease. Circulation, 2019, 139, .	1.6	0
107	Abstract MP05: Genetic Predisposition to Obesity and Healthful Plant-Based Diet in Risks of Hypertension and Cardiovascular Disease: Gene-Diet Interaction Analyses in the UK Biobank. Circulation, 2019, 139, .	1.6	0
108	Abstract P028: Gut Microbiota-Related Metabolites and Long-Term Bone Health in Response to Weight-Loss Diets: The POUNDS Lost Trial. Circulation, 2019, 139, .	1.6	0

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109	Abstract P324: Body Mass Index, Walking Pace, and Risk of Coronary Heart Disease: a Mendelian Randomization and Mediation Analysis. <i>Circulation</i> , 2019, 139, .	1.6	0
110	1573-P: Branched-Chain Amino Acids, Dietary Protein, and Improvement in Hepatic Fat and Abdominal Fat Distribution in Weight-Loss Diet Intervention: The POUNDS Lost Trial. <i>Diabetes</i> , 2019, 68, 1573-P.	0.6	0
111	2070-P: Role of Education Attainment in Obesity: A Two-Sample Mendelian Randomization Study. <i>Diabetes</i> , 2019, 68, .	0.6	0
112	1707-P: Maternal Smoking Around Birth, Offspring Genetic Susceptibility to Adiposity, and Risk of Type 2 Diabetes. <i>Diabetes</i> , 2019, 68, 1707-P.	0.6	0
113	Abstract P430: Educational Attainment, Adherence to Healthy Lifestyle, and Risk of Cardiovascular Diseases. <i>Circulation</i> , 2020, 141, .	1.6	0
114	Interaction of Diet/Lifestyle Intervention and TCF7L2 Genotype on Glycemic Control and Adiposity among Overweight or Obese Adults: Big Data from Seven Randomized Controlled Trials Worldwide. <i>Health Data Science</i> , 2021, 2021, .	2.3	0
115	Bidirectional Temporal Relationships Between Uric Acid and Insulin and Their Joint Impact on Incident Diabetes. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0