Tao Zhang

List of Publications by Citations

89 papers	**1,806** citations	**24** h-index	**39** g-index
99 ext. papers	**2,345** ext. citations	**5.5** avg, IF	**4.53** L-index

#	Paper	IF	Citations
89	Identification of potential biomarkers for ovarian cancer by urinary metabolomic profiling. *Journal of Proteome Research*, **2013**, 12, 505-12	5.6	123
88	Nut consumption in relation to cardiovascular disease risk and type 2 diabetes: a systematic review and meta-analysis of prospective studies. *American Journal of Clinical Nutrition*, **2014**, 100, 270-7	7	93
87	Normalization and integration of large-scale metabolomics data using support vector regression. *Metabolomics*, **2016**, 12, 1	4.7	82
86	Establishing International Blood Pressure References Among Nonoverweight Children and Adolescents Aged 6 to 17 Years. *Circulation*, **2016**, 133, 398-408	16.7	75
85	The value of strain ratio in differential diagnosis of thyroid solid nodules. *European Journal of Radiology*, **2012**, 81, 286-91	4.7	69
84	Discrimination between malignant and benign ovarian tumors by plasma metabolomic profiling using ultra performance liquid chromatography/mass spectrometry. *Clinica Chimica Acta*, **2012**, 413, 861-8	6.2	68
83	Serum microRNA panel for early diagnosis of the onset of hepatocellular carcinoma. *Medicine (United States)*, **2017**, 96, e5642	1.8	57
82	Serum metabolomics for early diagnosis of esophageal squamous cell carcinoma by UHPLC-QTOF/MS. *Metabolomics*, **2016**, 12, 1	4.7	56
81	Trends in abdominal obesity among U.S. children and adolescents. *Pediatrics*, **2014**, 134, e334-9	7.4	55
80	Race and Sex Differences of Long-Term Blood Pressure Profiles From Childhood and Adult Hypertension: The Bogalusa Heart Study. *Hypertension*, **2017**, 70, 66-74	8.5	54
79	Identification of metabolic biomarkers to diagnose epithelial ovarian cancer using a UPLC/QTOF/MS platform. *Acta Oncologica*, **2012**, 51, 473-9	3.2	54
78	Trends in Elevated Blood Pressure Among US Children and Adolescents: 1999-2012. *American Journal of Hypertension*, **2016**, 29, 217-25	2.3	50
77	Temporal Relationship Between Elevated Blood Pressure and Arterial Stiffening Among Middle-Aged Black and White Adults: The Bogalusa Heart Study. *American Journal of Epidemiology*, **2016**, 183, 599-608	3.8	42
76	Metabolic syndrome and its components as predictors of nonalcoholic fatty liver disease in a northern urban Han Chinese population: a prospective cohort study. *Atherosclerosis*, **2015**, 240, 144-8	3.1	40
75	Association of DNA Methylation at CPT1A Locus with Metabolic Syndrome in the Genetics of Lipid Lowering Drugs and Diet Network (GOLDN) Study. *PLoS ONE*, **2016**, 11, e0145789	3.7	40
74	Identification of reciprocal causality between non-alcoholic fatty liver disease and metabolic syndrome by a simplified Bayesian network in a Chinese population. *BMJ Open*, **2015**, 5, e008204	3	38
73	Trajectories of Childhood Blood Pressure and Adult Left Ventricular Hypertrophy: The Bogalusa Heart Study. *Hypertension*, **2018**, 72, 93-101	8.5	38

#	Reference	IF	Citations
72	Facile synthesis of Ag nanoparticles supported on MWCNTs with favorable stability and their bactericidal properties. *Journal of Hazardous Materials*, **2011**, 187, 466-72	12.8	37
71	Can Pediatric Hypertension Criteria Be Simplified? A Prediction Analysis of Subclinical Cardiovascular Outcomes From the Bogalusa Heart Study. *Hypertension*, **2017**, 69, 691-696	8.5	35
70	Hypertension screening using blood pressure to height ratio. *Pediatrics*, **2014**, 134, e106-11	7.4	32
69	A metabolomics approach for predicting the response to neoadjuvant chemotherapy in cervical cancer patients. *Molecular BioSystems*, **2014**, 10, 2126-33		30
68	Leukocyte telomere length, T cell composition and DNA methylation age. *Aging*, **2017**, 9, 1983-1995	5.6	29
67	One-step synthesis of mesoporous two-line ferrihydrite for effective elimination of arsenic contaminants from natural water. *Dalton Transactions*, **2011**, 40, 2062-6	4.3	27
66	Body Mass Index Trajectories During Young Adulthood and Incident Hypertension: A Longitudinal Cohort in Chinese Population. *Journal of the American Heart Association*, **2019**, 8, e011937	6	25
65	Temporal Relationship Between Childhood Body Mass Index and Insulin and Its Impact on Adult Hypertension: The Bogalusa Heart Study. *Hypertension*, **2016**, 68, 818-23	8.5	23
64	The short-term association between meteorological factors and mumps in Jining, China. *Science of the Total Environment*, **2016**, 568, 1069-1075	10.2	23
63	Body Mass Index Drives Changes in DNA Methylation: A Longitudinal Study. *Circulation Research*, **2019**, 125, 824-833	15.7	22
62	Determinants of hyperhomocysteinemia in healthy and hypertensive subjects: A population-based study and systematic review. *Clinical Nutrition*, **2017**, 36, 1215-1230	5.9	21
61	Secondhand smoke exposure is associated with increased carotid artery intima-media thickness: the Bogalusa Heart Study. *Atherosclerosis*, **2015**, 240, 374-9	3.1	20
60	Impact of Adiposity on Incident Hypertension Is Modified by Insulin Resistance in Adults: Longitudinal Observation From the Bogalusa Heart Study. *Hypertension*, **2016**, 67, 56-62	8.5	20
59	Trajectories of Lipids Profile and Incident Cardiovascular Disease Risk: A Longitudinal Cohort Study. *Journal of the American Heart Association*, **2019**, 8, e013479	6	20
58	High-fat diet from perilla oil induces insulin resistance despite lower serum lipids and increases hepatic fatty acid oxidation in rats. *Lipids in Health and Disease*, **2014**, 13, 15	4.4	20
57	Long-term Impact of Childhood Adiposity on Adult Metabolic Syndrome Is Modified by Insulin Resistance: The Bogalusa Heart Study. *Scientific Reports*, **2015**, 5, 17885	4.9	20
56	Trajectories of childhood BMI and adult diabetes: the Bogalusa Heart Study. *Diabetologia*, **2019**, 62, 70-77	10.3	20
55	Long-term Impact of Temporal Sequence from Childhood Obesity to Hyperinsulinemia on Adult Metabolic Syndrome and Diabetes: The Bogalusa Heart Study. *Scientific Reports*, **2017**, 7, 43422	4.9	19

54	Association of maternal prenatal smoking GFI1-locus and cardio-metabolic phenotypes in 18,212 adults. *EBioMedicine*, **2018**, 38, 206-216	8.8	19
53	Long-Term Excessive Body Weight and Adult Left Ventricular Hypertrophy Are Linked Through Later-Life Body Size and Blood Pressure: The Bogalusa Heart Study. *Circulation Research*, **2017**, 120, 1614-1621	15.7	18
52	Recent blood pressure trends in adolescents from China, Korea, Seychelles and the United States of America, 1997-2012. *Journal of Hypertension*, **2016**, 34, 1948-58	1.9	18
51	Simplification of childhood hypertension definition using blood pressure to height ratio among US youths aged 8-17years, NHANES 1999-2012. *International Journal of Cardiology*, **2015**, 180, 210-3	3.2	17
50	Prediction of metabolic syndrome by non-alcoholic fatty liver disease in northern urban Han Chinese population: a prospective cohort study. *PLoS ONE*, **2014**, 9, e96651	3.7	17
49	CPT1A methylation is associated with plasma adiponectin. *Nutrition, Metabolism and Cardiovascular Diseases*, **2017**, 27, 225-233	4.5	16
48	BTF3 sustains cancer stem-like phenotype of prostate cancer via stabilization of BMI1. *Journal of Experimental and Clinical Cancer Research*, **2019**, 38, 227	12.8	15
47	Association of Birth Weight With Type 2 Diabetes and Glycemic Traits: A Mendelian Randomization Study. *JAMA Network Open*, **2019**, 2, e1910915	10.4	14
46	Rate of change in body mass index at different ages during childhood and adult obesity risk. *Pediatric Obesity*, **2019**, 14, e12513	4.6	14
45	Evaluation of chemotherapy response with serum squamous cell carcinoma antigen level in cervical cancer patients: a prospective cohort study. *PLoS ONE*, **2013**, 8, e54969	3.7	14
44	Association of Serum Uric Acid with Metabolic Syndrome and Its Components: A Mendelian Randomization Analysis. *BioMed Research International*, **2020**, 2020, 6238693	3	13
43	Identification, Heritability, and Relation With Gene Expression of Novel DNA Methylation Loci for Blood Pressure. *Hypertension*, **2020**, 76, 195-205	8.5	12
42	Risk Factors Associated with Precancerous Lesions of Esophageal Squamous Cell Carcinoma: a Screening Study in a High Risk Chinese Population. *Journal of Cancer*, **2019**, 10, 3284-3290	4.5	10
41	Adverse Events in Treating Smear-Positive Tuberculosis Patients in China. *International Journal of Environmental Research and Public Health*, **2015**, 13,	4.6	10
40	Impact of cigarette smoking on the relationship between body mass index and insulin: Longitudinal observation from the Bogalusa Heart Study. *Diabetes, Obesity and Metabolism*, **2018**, 20, 1578-1584	6.7	9
39	A novel chi-square statistic for detecting group differences between pathways in systems epidemiology. *Statistics in Medicine*, **2016**, 35, 5512-5524	2.3	9
38	Effects of n-3 polyunsaturated fatty acids high fat diet intervention on the synthesis of hepatic high-density lipoprotein cholesterol in obesity-insulin resistance rats. *Lipids in Health and Disease*, **2016**, 15, 81	4.4	8
37	Childhood Risk Factors and Pregnancy-Induced Hypertension: The Bogalusa Heart Study. *American Journal of Hypertension*, **2016**, 29, 1206-11	2.3	7

36	Effect of Serum Adiponectin Levels on the Association Between Childhood Body Mass Index and Adulthood Carotid Intima-Media Thickness. *American Journal of Cardiology*, **2018**, 121, 579-583	3	7
35	Identification of New Therapeutic Targets for Gastric Cancer With Bioinformatics. *Frontiers in Genetics*, **2020**, 11, 865	4.5	5
34	Insulin-sensitive adiposity is associated with a relatively lower risk of diabetes than insulin-resistant adiposity: the Bogalusa Heart Study. *Endocrine*, **2016**, 54, 93-100	4	5
33	Serum metabolomics analysis for the progression of esophageal squamous cell carcinoma. *Journal of Cancer*, **2021**, 12, 3190-3197	4.5	5
32	Trajectories of perioperative serum carcinoembryonic antigen and colorectal cancer outcome: A retrospective, multicenter longitudinal cohort study. *Clinical and Translational Medicine*, **2021**, 11, e293	5.7	5
31	Trajectories of Haemoglobin and incident stroke risk: a longitudinal cohort study. *BMC Public Health*, **2019**, 19, 1395	4.1	4
30	Relationship Between Birth Weight and the Double Product in Childhood, Adolescence, and Adulthood (from the Bogalusa Heart Study). *American Journal of Cardiology*, **2017**, 120, 1016-1019	3	4
29	Association Between Body Weight and Telomere Length Is Predominantly Mediated Through C-Reactive Protein. *Journal of Clinical Endocrinology and Metabolism*, **2021**, 106, e4634-e4640	5.6	4
28	Relation of Birth Weight to Heart Rate in Childhood, Adolescence, and Adulthood (from the Bogalusa Heart Study). *American Journal of Cardiology*, **2016**, 118, 828-832	3	4
27	Cardiovascular Disease Risk Across a Spectrum of Adverse Plasma Lipid Combinations by Gender and Glycemic Status. *American Journal of Cardiology*, **2019**, 124, 702-708	3	3
26	Trajectories of early to mid-life adulthood BMI and incident diabetes: the China Health and Nutrition Survey. *BMJ Open Diabetes Research and Care*, **2020**, 8,	4.5	3
25	A new insight into the role of plasma fibrinogen in the development of metabolic syndrome from a prospective cohort study in urban Han Chinese population. *Diabetology and Metabolic Syndrome*, **2015**, 7, 110	5.6	3
24	Intermediate Effects of Body Mass Index and C-Reactive Protein on the Serum Cotinine- Leukocyte Telomere Length Association.. *Frontiers in Aging Neuroscience*, **2021**, 13, 827465	5.3	3
23	Dynamic profiles of SARS-Cov-2 infection from five Chinese family clusters in the early stage of the COVID-19 pandemic. *Scientific Reports*, **2020**, 10, 22048	4.9	3
22	A multi-ethnic epigenome-wide association study of leukocyte DNA methylation and blood lipids. *Nature Communications*, **2021**, 12, 3987	17.4	3
21	Prevalence of Elevated Blood Pressure Among US Children, 2013-2014. *Journal of Clinical Hypertension*, **2016**, 18, 1071-1072	2.3	3
20	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	12.1	2
19	Black-White Difference in the Impact of Long-Term Blood Pressure From Childhood on Adult Renal Function: The Bogalusa Heart Study. *American Journal of Hypertension*, **2018**, 31, 1300-1306	2.3	2

18	Use of the alkaline phosphatase to prealbumin ratio as an independent predictive factor for the prognosis of gastric cancer. *World Journal of Gastroenterology*, **2020**, 26, 6963-6978	5.6	2
17	Suppression effect of body weight on the association between cigarette smoking and telomere length: the Bogalusa Heart Study. *Aging*, **2019**, 11, 9893-9900	5.6	2
16	Body mass index across adult life and cognitive function in the American elderly. *Aging*, **2020**, 12, 9344-9353	5.6	2
15	A serum metabolomics analysis reveals a panel of screening metabolic biomarkers for esophageal squamous cell carcinoma. *Clinical and Translational Medicine*, **2021**, 11, e419	5.7	2
14	Whole blood viscosity is an independent early predictor for metabolic syndrome and its components in men: A prospective cohort study in Northern Chinese population. *Clinical Hemorheology and Microcirculation*, **2020**,	2.5	1
13	Causal data fusion methods using summary-level statistics for a continuous outcome. *Statistics in Medicine*, **2020**, 39, 1054-1067	2.3	1
12	A novel Markov Blanket-based repeated-fishing strategy for capturing phenotype-related biomarkers in big omics data. *BMC Genetics*, **2016**, 17, 51	2.6	1
11	Sex as a predictor of response to cancer immunotherapy. *Lancet Oncology, The*, **2018**, 19, e374	21.7	1
10	Dynamic Change of Lumbar Structure and Associated Factors: A Retrospective Study. *Orthopaedic Surgery*, **2019**, 11, 1072-1081	2.5	1
9	Temporal relationship between body mass index and uric acid and their joint impact on blood pressure in children and adults: the Bogalusa Heart Study. *International Journal of Obesity*, **2021**, 45, 1457-1463	5.5	1
8	Temporal and mediation relations of weight loss, and changes in insulin resistance and blood pressure in response to 2-year weight-loss diet interventions: the POUNDS Lost trial. *European Journal of Nutrition*, **2021**, 1	5.2	1
7	Age-related suppression effect of current body weight on the association between birthweight and blood pressure: The Bogalusa heart study. *Pediatric Obesity*, **2021**, 16, e12716	4.6	1
6	Evaluation of lung tumor motion in a large sample: Target-related and clinical factors influencing tumor motion based on four-dimensional CT. *Cancer Medicine*, **2021**, 10, 7126-7135	4.8	1
5	Lifespan Risk Exposure Measurement Instrument: a Feasible and Effective Tool for Life Course Epidemiology Research. *Biomedical and Environmental Sciences*, **2017**, 30, 59-63	1.1	1
4	Trajectories of Perioperative Serum Tumor Markers and Colorectal Cancer Outcomes: A Retrospective, Multicenter Longitudinal Cohort Study. *EBioMedicine*, **2021**, 74, 103706	8.8	0
3	The mediation effect of serum metabolites on the relationship between long-term smoking exposure and esophageal squamous cell carcinoma. *BMC Cancer*, **2021**, 21, 415	4.8	0
2	Blood Pressure and Left Ventricular Geometric Changes: A Directionality Analysis. *Hypertension*, **2021**, 78, 1259-1266	8.5	0
1	Methodological evaluation of the noninvasive estimation of central systolic blood pressure in nontreated patients: the Bogalusa Heart Study. *Blood Pressure Monitoring*, **2017**, 22, 95-100	1.3	