

# Zheng Xu

## List of Publications by Year in descending order

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43  
papers

1,571  
citations

516710

16  
h-index

361022

35  
g-index

48  
all docs

48  
docs citations

48  
times ranked

4090  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Compendium of Chromatin Contact Maps Reveals Spatially Active Regions in the Human Genome. <i>Cell Reports</i> , 2016, 17, 2042-2059.	6.4	745
2	Robust Hi-C Maps of Enhancer-Promoter Interactions Reveal the Function of Non-coding Genome in Neural Development and Diseases. <i>Molecular Cell</i> , 2020, 79, 521-534.e15.	9.7	110
3	Dynamic and Modularized MicroRNA Regulation and Its Implication in Human Cancers. <i>Scientific Reports</i> , 2017, 7, 13356.	3.3	60
4	The Realized Yield Effect of Genetically Engineered Crops: U.S. Maize and Soybean. <i>Crop Science</i> , 2013, 53, 735-745.	1.8	58
5	A hidden Markov random field-based Bayesian method for the detection of long-range chromosomal interactions in Hi-C data. <i>Bioinformatics</i> , 2016, 32, 650-656.	4.1	47
6	High Doses of Copper and Mercury Changed Cecal Microbiota in Female Mice. <i>Biological Trace Element Research</i> , 2019, 189, 134-144.	3.5	47
7	FastHiC: a fast and accurate algorithm to detect long-range chromosomal interactions from Hi-C data. <i>Bioinformatics</i> , 2016, 32, 2692-2695.	4.1	40
8	Subchronic oral mercury caused intestinal injury and changed gut microbiota in mice. <i>Science of the Total Environment</i> , 2020, 721, 137639.	8.0	38
9	The application of machine-learning and Raman spectroscopy for the rapid detection of edible oils type and adulteration. <i>Food Chemistry</i> , 2022, 373, 131471.	8.2	38
10	Semantic Segmentation of Sorghum Using Hyperspectral Data Identifies Genetic Associations. <i>Plant Phenomics</i> , 2020, 2020, 4216373.	5.9	32
11	Matrine ameliorates spontaneously developed colitis in interleukin-10-deficient mice. <i>International Immunopharmacology</i> , 2016, 36, 256-262.	3.8	26
12	The economic impacts of technology and climate change: New evidence from U.S. corn yields. <i>Agricultural Economics (United Kingdom)</i> , 2018, 49, 463-479.	3.9	24
13	Effects of Dietary Selenium on Inflammation and Hydrogen Sulfide in the Gastrointestinal Tract in Chickens. <i>Biological Trace Element Research</i> , 2016, 174, 428-435.	3.5	23
14	Effects of guar gum on adhesion properties of soybean protein isolate onto porcine bones. <i>International Journal of Adhesion and Adhesives</i> , 2017, 75, 124-131.	2.9	21
15	Existing and Potential Statistical and Computational Approaches for the Analysis of 3D CT Images of Plant Roots. <i>Agronomy</i> , 2018, 8, 71.	3.0	21
16	Trans-ancestry Fine Mapping and Molecular Assays Identify Regulatory Variants at the ANGPTL8 HDL-C GWAS Locus. <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 3217-3227.	1.8	19
17	On implied volatility for options—Some reasons to smile and more to correct. <i>Journal of Econometrics</i> , 2014, 179, 1-15.	6.5	18
18	A robust and powerful two-step testing procedure for local ancestry adjusted allelic association analysis in admixed populations. <i>Genetic Epidemiology</i> , 2018, 42, 288-302.	1.3	17

#	ARTICLE	IF	CITATIONS
19	Characterization of Soybean Protein Adhesives Modified by Xanthan Gum. <i>Coatings</i> , 2018, 8, 342.	2.6	17
20	Visible/near infrared spectroscopy and machine learning for predicting polyhydroxybutyrate production cultured on alkaline pretreated liquor from corn stover. <i>Bioresource Technology Reports</i> , 2020, 9, 100386.	2.7	17
21	AbCD: arbitrary coverage design for sequencing-based genetic studies. <i>Bioinformatics</i> , 2013, 29, 799-801.	4.1	13
22	Effects of N-acetyl-l-cysteine on heat stress-induced oxidative stress and inflammation in the hypothalamus of hens. <i>Journal of Thermal Biology</i> , 2021, 98, 102927.	2.5	13
23	Across-Platform Imputation of DNA Methylation Levels Incorporating Nonlocal Information Using Penalized Functional Regression. <i>Genetic Epidemiology</i> , 2016, 40, 333-340.	1.3	10
24	HiView: an integrative genome browser to leverage Hi-C results for the interpretation of GWAS variants. <i>BMC Research Notes</i> , 2016, 9, 159.	1.4	10
25	Copper Changes Intestinal Microbiota of the Cecum and Rectum in Female Mice by 16S rRNA Gene Sequencing. <i>Biological Trace Element Research</i> , 2020, 193, 445-455.	3.5	10
26	Characterization and performance of soybean protein modified by tyrosinase. <i>International Journal of Adhesion and Adhesives</i> , 2019, 92, 111-118.	2.9	9
27	Investigation of the effects of dichlorvos poisoning on AMPK signaling pathway in chicken brain tissues. <i>Environmental Pollution</i> , 2020, 261, 114109.	7.5	9
28	Dichlorvos poisoning caused chicken cerebrum tissue damage and related apoptosis-related gene changes. <i>Science of the Total Environment</i> , 2021, 783, 147051.	8.0	9
29	Non-homology-based prediction of gene functions in maize ( <i>Zea mays ssp. mays</i> ). <i>Plant Genome</i> , 2020, 13, e20015.	2.8	7
30	Traditional Chinese Medicine Prescriptions Decrease Diarrhea Rate by Relieving Colonic Inflammation and Ameliorating Caecum Microbiota in Piglets. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-12.	1.2	7
31	Dysregulated expression of mRNA and SNP in pulmonary artery remodeling in ascites syndrome in broilers. <i>Poultry Science</i> , 2021, 100, 100877.	3.4	7
32	Correlation between acute brain injury and brain metabolomics in dichlorvos-poisoned broilers. <i>Journal of Hazardous Materials</i> , 2022, 422, 126849.	12.4	7
33	Using place-based characteristics to inform FDA tobacco sales inspections: results from a multilevel propensity score model. <i>Tobacco Control</i> , 2022, 31, e148-e155.	3.2	6
34	Elucidation of molecular links between obesity and cancer through microRNA regulation. <i>BMC Medical Genomics</i> , 2020, 13, 161.	1.5	5
35	Smc5/6 Complex Promotes Rad3 <sup>ATR</sup> Checkpoint Signaling at the Perturbed Replication Fork through Sumoylation of the RecQ Helicase Rqh1. <i>Molecular and Cellular Biology</i> , 2022, 42, .	2.3	5
36	Likelihood-based complex trait association testing for arbitrary depth sequencing data. <i>Bioinformatics</i> , 2015, 31, 2955-2962.	4.1	4

#	ARTICLE	IF	CITATIONS
37	Factors contributing to student satisfaction with dental loupes and headlights. <i>European Journal of Dental Education</i> , 2020, 24, 266-271.	2.0	4
38	Analysis of genetic and nongenetic factors influencing triglycerides-lowering drug effects based on paired observations. <i>BMC Proceedings</i> , 2018, 12, 46.	1.6	3
39	Preparation of a JAZF1 protein polyclonal antibody and its potential role in broiler ascites syndrome. <i>International Journal of Biological Macromolecules</i> , 2022, 206, 501-510.	7.5	3
40	An alternative circular smoothing method to nonparametric estimation of periodic functions. <i>Journal of Applied Statistics</i> , 2016, 43, 1649-1672.	1.3	1
41	On smoothing estimation for seasonal time series with long cycles. <i>Statistics and Its Interface</i> , 2013, 6, 435-447.	0.3	1
42	Estimation of parametric homogeneous stochastic volatility pricing formulae based on option data. <i>Economics Letters</i> , 2013, 120, 369-373.	1.9	0
43	An Empirical Bayes approach for the identification of long-range chromosomal interaction from Hi-C data. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2021, 20, 1-15.	0.6	0