Zheng Xu

List of Publications by Year
in descending order

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	Correlation between acute brain injury and brain metabonomics in dichlorvos-poisoned broilers. Journal of Hazardous Materials, 2022, 422, 126849.	12.4	7
2	The application of machine-learning and Raman spectroscopy for the rapid detection of edible oils type and adulteration. Food Chemistry, 2022, 373, 131471.	8.2	38
3	Using place-based characteristics to inform FDA tobacco sales inspections: results from a multilevel propensity score model. Tobacco Control, 2022, 31, e148-e155.	3.2	6
4	Preparation of a JAZF1 protein polyclonal antibody and its potential role in broiler ascites syndrome. International Journal of Biological Macromolecules, 2022, 206, 501-510.	7.5	3
5	Smc5/6 Complex Promotes Rad3^{ATR} Checkpoint Signaling at the Perturbed Replication Fork through Sumoylation of the RecQ Helicase Rqh1. Molecular and Cellular Biology, 2022, 42, .	2.3	5
6	An Empirical Bayes approach for the identification of long-range chromosomal interaction from Hi-C data. Statistical Applications in Genetics and Molecular Biology, 2021, 20, 1-15.	0.6	0
7	Dysregulated expression of mRNA and SNP in pulmonary artery remodeling in ascites syndrome in broilers. Poultry Science, 2021, 100, 100877.	3.4	7
8	Effects of N-acetyl-l-cysteine on heat stress-induced oxidative stress and inflammation in the hypothalamus of hens. Journal of Thermal Biology, 2021, 98, 102927.	2.5	13
9	Dichlorvos poisoning caused chicken cerebrum tissue damage and related apoptosis-related gene changes. Science of the Total Environment, 2021, 783, 147051.	8.0	9
10	Copper Changes Intestinal Microbiota of the Cecum and Rectum in Female Mice by 16S rRNA Gene Sequencing. Biological Trace Element Research, 2020, 193, 445-455.	3.5	10
11	Elucidation of molecular links between obesity and cancer through microRNA regulation. BMC Medical Genomics, 2020, 13, 161.	1.5	5
12	Nonâ€homologyâ€based prediction of gene functions in maize (Zea mays ssp. mays). Plant Genome, 2020, 13, e20015.	2.8	7
13	Subchronic oral mercury caused intestinal injury and changed gut microbiota in mice. Science of the Total Environment, 2020, 721, 137639.	8.0	38
14	Robust Hi-C Maps of Enhancer-Promoter Interactions Reveal the Function of Non-coding Genome in Neural Development and Diseases. Molecular Cell, 2020, 79, 521-534.e15.	9.7	110
15	Investigation of the effects of dichlorvos poisoning on AMPK signaling pathway in chicken brain tissues. Environmental Pollution, 2020, 261, 114109.	7.5	9
16	Factors contributing to student satisfaction with dental loupes and headlights. European Journal of Dental Education, 2020, 24, 266-271.	2.0	4
17	Visible/near infrared spectroscopy and machine learning for predicting polyhydroxybutyrate production cultured on alkaline pretreated liquor from corn stover. Bioresource Technology Reports, 2020, 9, 100386.	2.7	17
18	Traditional Chinese Medicine Prescriptions Decrease Diarrhea Rate by Relieving Colonic Inflammation and Ameliorating Caecum Microbiota in Piglets. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-12.	1.2	7

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19	Semantic Segmentation of Sorghum Using Hyperspectral Data Identifies Genetic Associations. Plant Phenomics, 2020, 2020, 4216373.	5.9	32
20	High Doses of Copper and Mercury Changed Cecal Microbiota in Female Mice. Biological Trace Element Research, 2019, 189, 134-144.	3.5	47
21	Characterization and performance of soybean protein modified by tyrosinase. International Journal of Adhesion and Adhesives, 2019, 92, 111-118.	2.9	9
22	A robust and powerful twoâ€step testing procedure for local ancestry adjusted allelic association analysis in admixed populations. Genetic Epidemiology, 2018, 42, 288-302.	1.3	17
23	Characterization of Soybean Protein Adhesives Modified by Xanthan Gum. Coatings, 2018, 8, 342.	2.6	17
24	Analysis of genetic and nongenetic factors influencing triglycerides-lowering drug effects based on paired observations. BMC Proceedings, 2018, 12, 46.	1.6	3
25	The economic impacts of technology and climate change: New evidence from U.S. corn yields. Agricultural Economics (United Kingdom), 2018, 49, 463-479.	3.9	24
26	Existing and Potential Statistical and Computational Approaches for the Analysis of 3D CT Images of Plant Roots. Agronomy, 2018, 8, 71.	3.0	21
27	Effects of guar gum on adhesion properties of soybean protein isolate onto porcine bones. International Journal of Adhesion and Adhesives, 2017, 75, 124-131.	2.9	21
28	Dynamic and Modularized MicroRNA Regulation and Its Implication in Human Cancers. Scientific Reports, 2017, 7, 13356.	3.3	60
29	*Trans*-ancestry Fine Mapping and Molecular Assays Identify Regulatory Variants at the *ANGPTL8* HDL-C GWAS Locus. G3: Genes, Genomes, Genetics, 2017, 7, 3217-3227.	1.8	19
30	Acrossâ€Platform Imputation of DNA Methylation Levels Incorporating Nonlocal Information Using Penalized Functional Regression. Genetic Epidemiology, 2016, 40, 333-340.	1.3	10
31	Matrine ameliorates spontaneously developed colitis in interleukin-10-deficient mice. International Immunopharmacology, 2016, 36, 256-262.	3.8	26
32	Effects of Dietary Selenium on Inflammation and Hydrogen Sulfide in the Gastrointestinal Tract in Chickens. Biological Trace Element Research, 2016, 174, 428-435.	3.5	23
33	FastHiC: a fast and accurate algorithm to detect long-range chromosomal interactions from Hi-C data. Bioinformatics, 2016, 32, 2692-2695.	4.1	40
34	A Compendium of Chromatin Contact Maps Reveals Spatially Active Regions in the Human Genome. Cell Reports, 2016, 17, 2042-2059.	6.4	745
35	HiView: an integrative genome browser to leverage Hi-C results for the interpretation of GWAS variants. BMC Research Notes, 2016, 9, 159.	1.4	10
36	An alternative circular smoothing method to nonparametric estimation of periodic functions. Journal of Applied Statistics, 2016, 43, 1649-1672.	1.3	1

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37	A hidden Markov random field-based Bayesian method for the detection of long-range chromosomal interactions in Hi-C data. Bioinformatics, 2016, 32, 650-656.	4.1	47
38	Likelihood-based complex trait association testing for arbitrary depth sequencing data. Bioinformatics, 2015, 31, 2955-2962.	4.1	4
39	On implied volatility for options—Some reasons to smile and more to correct. Journal of Econometrics, 2014, 179, 1-15.	6.5	18
40	Estimation of parametric homogeneous stochastic volatility pricing formulae based on option data. Economics Letters, 2013, 120, 369-373.	1.9	0
41	AbCD: arbitrary coverage design for sequencing-based genetic studies. Bioinformatics, 2013, 29, 799-801.	4.1	13
42	The Realized Yield Effect of Genetically Engineered Crops: U.S. Maize and Soybean. Crop Science, 2013, 53, 735-745.	1.8	58
43	On smoothing estimation for seasonal time series with long cycles. Statistics and Its Interface, 2013, 6, 435-447.	0.3	1