

Xiangqin Cui

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

5,595
citations

136940

32
h-index

102480

66
g-index

77
all docs

77
docs citations

77
times ranked

9286
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Microarray data analysis: from disarray to consolidation and consensus. <i>Nature Reviews Genetics</i> , 2006, 7, 55-65. | 16.3 | 1,186 |
| 2 | Statistical tests for differential expression in cDNA microarray experiments. <i>Genome Biology</i> , 2003, 4, 210. | 9.6 | 741 |
| 3 | Repeatability of published microarray gene expression analyses. <i>Nature Genetics</i> , 2009, 41, 149-155. | 21.4 | 477 |
| 4 | Improved statistical tests for differential gene expression by shrinking variance components estimates. <i>Biostatistics</i> , 2005, 6, 59-75. | 1.5 | 450 |
| 5 | Mitochondrial Aldehyde Dehydrogenase Activity Is Required for Male Fertility in Maize. <i>Plant Cell</i> , 2001, 13, 1063-1078. | 6.6 | 228 |
| 6 | Design and validation issues in RNA-seq experiments. <i>Briefings in Bioinformatics</i> , 2011, 12, 280-287. | 6.5 | 184 |
| 7 | Altered microbiota associated with abnormal humoral immune responses to commensal organisms in enthesitis-related arthritis. <i>Arthritis Research and Therapy</i> , 2014, 16, 486. | 3.5 | 176 |
| 8 | MAANOVA: A Software Package for the Analysis of Spotted cDNA Microarray Experiments. <i>Statistics in the Health Sciences</i> , 2003, , 313-341. | 0.2 | 165 |
| 9 | Expression Signature of IFN/STAT1 Signaling Genes Predicts Poor Survival Outcome in Glioblastoma Multiforme in a Subtype-Specific Manner. <i>PLoS ONE</i> , 2012, 7, e29653. | 2.5 | 118 |
| 10 | Arabidopsis Extra Large G-Protein 2 (XLG2) Interacts with the G β 2 Subunit of Heterotrimeric G Protein and Functions in Disease Resistance. <i>Molecular Plant</i> , 2009, 2, 513-525. | 8.3 | 99 |
| 11 | Cluster analysis reveals differential transcript profiles associated with resistance training-induced human skeletal muscle hypertrophy. <i>Physiological Genomics</i> , 2013, 45, 499-507. | 2.3 | 91 |
| 12 | Differential genomic responses in old vs. young humans despite similar levels of modest muscle damage after resistance loading. <i>Physiological Genomics</i> , 2010, 40, 141-149. | 2.3 | 89 |
| 13 | Innate Transcriptional Networks Activated in Bladder in Response to Uropathogenic <i>Escherichia coli</i> Drive Diverse Biological Pathways and Rapid Synthesis of IL-10 for Defense against Bacterial Urinary Tract Infection. <i>Journal of Immunology</i> , 2012, 188, 781-792. | 0.8 | 87 |
| 14 | Overexpression of innate immune response genes in a model of recessive polycystic kidney disease. <i>Kidney International</i> , 2008, 73, 63-76. | 5.2 | 82 |
| 15 | Characterization of the aldehyde dehydrogenase gene families of <i>Zea mays</i> and <i>Arabidopsis</i> . <i>Plant Molecular Biology</i> , 2002, 48, 751-764. | 3.9 | 73 |
| 16 | The effect of insulin on expression of genes and biochemical pathways in human skeletal muscle. <i>Endocrine</i> , 2007, 31, 5-17. | 2.2 | 66 |
| 17 | Dynamic molecular and histopathological changes in the extracellular matrix and inflammation in the transition to heart failure in isolated volume overload. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H2251-H2260. | 3.2 | 64 |
| 18 | Training in metabolomics research. I. Designing the experiment, collecting and extracting samples and generating metabolomics data. <i>Journal of Mass Spectrometry</i> , 2016, 51, 461-475. | 1.6 | 64 |

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| 19 | Kinesin Family Member 12 Is a Candidate Polycystic Kidney Disease Modifier in the cpk Mouse. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 905-916. | 6.1 | 55 |
| 20 | Exploration of Low-Dose Estrogen Effects: Identification of No Observed Transcriptional Effect Level (NOTEL). <i>Toxicologic Pathology</i> , 2004, 32, 482-492. | 1.8 | 53 |
| 21 | Portion sizes for children are predicted by parental characteristics and the amounts parents serve themselves. <i>American Journal of Clinical Nutrition</i> , 2014, 99, 763-770. | 4.7 | 51 |
| 22 | Length bias correction for RNA-seq data in gene set analyses. <i>Bioinformatics</i> , 2011, 27, 662-669. | 4.1 | 49 |
| 23 | Alterations in Gene Expression and DNA Methylation during Murine and Human Lung Alveolar Septation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 53, 60-73. | 2.9 | 49 |
| 24 | Training in metabolomics research. II. Processing and statistical analysis of metabolomics data, metabolite identification, pathway analysis, applications of metabolomics and its future. <i>Journal of Mass Spectrometry</i> , 2016, 51, 535-548. | 1.6 | 49 |
| 25 | Genome-Wide Mapping of Cystitis Due to <i>Streptococcus agalactiae</i> and <i>Escherichia coli</i> in Mice Identifies a Unique Bladder Transcriptome That Signifies Pathogen-Specific Antimicrobial Defense against Urinary Tract Infection. <i>Infection and Immunity</i> , 2012, 80, 3145-3160. | 2.2 | 46 |
| 26 | Evaluation of five ab initio gene prediction programs for the discovery of maize genes. <i>Plant Molecular Biology</i> , 2005, 57, 445-460. | 3.9 | 45 |
| 27 | Group B <i>Streptococcus</i> (GBS) Urinary Tract Infection Involves Binding of GBS to Bladder Uroepithelium and Potent but GBS-Specific Induction of Interleukin 11±. <i>Journal of Infectious Diseases</i> , 2010, 201, 866-870. | 4.0 | 45 |
| 28 | Transforming Growth Factor Beta (TGF-β ²) Is a Muscle Biomarker of Disease Progression in ALS and Correlates with Smad Expression. <i>PLoS ONE</i> , 2015, 10, e0138425. | 2.5 | 44 |
| 29 | Renal CD14 expression correlates with the progression of cystic kidney disease. <i>Kidney International</i> , 2010, 78, 550-560. | 5.2 | 41 |
| 30 | G protein-coupled estrogen receptor regulates embryonic heart rate in zebrafish. <i>PLoS Genetics</i> , 2017, 13, e1007069. | 3.5 | 41 |
| 31 | Kidney Injury Accelerates Cystogenesis via Pathways Modulated by Heme Oxygenase and Complement. <i>Journal of the American Society of Nephrology: JASN</i> , 2012, 23, 1161-1171. | 6.1 | 40 |
| 32 | Alternative Transcription Initiation Sites and Polyadenylation Sites Are Recruited During μ Suppression at the rf2a Locus of Maize. <i>Genetics</i> , 2003, 163, 685-698. | 2.9 | 37 |
| 33 | Inheritance Patterns of Transcript Levels in F1 Hybrid Mice. <i>Genetics</i> , 2006, 174, 627-637. | 2.9 | 35 |
| 34 | Intragenic motifs regulate the transcriptional complexity of Pkhd1/PKHD1. <i>Journal of Molecular Medicine</i> , 2014, 92, 1045-1056. | 3.9 | 32 |
| 35 | Validation of Endogenous Internal Real-Time PCR Controls in Renal Tissues. <i>American Journal of Nephrology</i> , 2009, 30, 413-417. | 3.1 | 29 |
| 36 | A Sequence Kernel Association Test for Dichotomous Traits in Family Samples under a Generalized Linear Mixed Model. <i>Human Heredity</i> , 2015, 79, 60-68. | 0.8 | 29 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | JQ1 Induces DNA Damage and Apoptosis, and Inhibits Tumor Growth in a Patient-Derived Xenograft Model of Cholangiocarcinoma. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 107-118. | 4.1 | 27 |
| 38 | Absorbance summation: A novel approach for analyzing high-throughput ELISA data in the absence of a standard. <i>PLoS ONE</i> , 2018, 13, e0198528. | 2.5 | 27 |
| 39 | Critical roles of miRNA-mediated regulation of TGF β signalling during mouse cardiogenesis. <i>Cardiovascular Research</i> , 2014, 103, 258-267. | 3.8 | 26 |
| 40 | Single nucleotide polymorphisms affect both cis- and trans-eQTLs. <i>Genomics</i> , 2009, 93, 501-508. | 2.9 | 23 |
| 41 | Cross-Sectional Positive Association of Serum Lipids and Blood Pressure With Serum Sodium Within the Normal Reference Range of 135–145 mmol/L. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 598-606. | 2.4 | 22 |
| 42 | Consistency Analysis of Redundant Probe Sets on Affymetrix Three-Prime Expression Arrays and Applications to Differential mRNA Processing. <i>PLoS ONE</i> , 2009, 4, e4229. | 2.5 | 20 |
| 43 | HIV-1 gp140 epitope recognition is influenced by immunoglobulin DH gene segment sequence. <i>Immunogenetics</i> , 2016, 68, 145-155. | 2.4 | 18 |
| 44 | Analysis of the tonsillar microbiome in young adults with sore throat reveals a high relative abundance of <i>Fusobacterium necrophorum</i> with low diversity. <i>PLoS ONE</i> , 2018, 13, e0189423. | 2.5 | 18 |
| 45 | Brief Report: Expression of Interferon γ Receptor Genes in Peripheral Blood Mononuclear Cells Is Associated With Rheumatoid Arthritis and Its Radiographic Severity in African Americans. <i>Arthritis and Rheumatology</i> , 2015, 67, 1165-1170. | 5.6 | 16 |
| 46 | Simple regression for correcting Δ Ct bias in RT-qPCR low-density array data normalization. <i>BMC Genomics</i> , 2015, 16, 82. | 2.8 | 15 |
| 47 | Methods for Nutrigenomics and Longevity Studies in <i>Drosophila</i> . <i>Methods in Molecular Biology</i> , 2007, 371, 111-141. | 0.9 | 14 |
| 48 | Genes and biochemical pathways in human skeletal muscle affecting resting energy expenditure and fuel partitioning. <i>Journal of Applied Physiology</i> , 2011, 110, 746-755. | 2.5 | 14 |
| 49 | Evaluation of a Statistical Equivalence Test Applied to Microarray Data. <i>Journal of Biopharmaceutical Statistics</i> , 2010, 20, 240-266. | 0.8 | 13 |
| 50 | Genetic and Informatic Analyses Implicate Kif12 as a Candidate Gene within the Mpkd2 Locus That Modulates Renal Cystic Disease Severity in the Cys1cpk Mouse. <i>PLoS ONE</i> , 2015, 10, e0135678. | 2.5 | 13 |
| 51 | Gene expression patterns in peripheral blood cells associated with radiographic severity in African Americans with early rheumatoid arthritis. <i>Rheumatology International</i> , 2013, 33, 129-137. | 3.0 | 12 |
| 52 | Kernel-Machine Testing Coupled with a Rank-Truncation Method for Genetic Pathway Analysis. <i>Genetic Epidemiology</i> , 2014, 38, 447-456. | 1.3 | 12 |
| 53 | Uniform Approximation Is More Appropriate for Wilcoxon Rank-Sum Test in Gene Set Analysis. <i>PLoS ONE</i> , 2012, 7, e31505. | 2.5 | 11 |
| 54 | Personalized Visual Mapping Assistive Technology to Improve Functional Ability in Persons With Dementia: Feasibility Cohort Study. <i>JMIR Aging</i> , 2021, 4, e28165. | 3.0 | 10 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Whole-genome profiling highlights the molecular complexity underlying eccentric cardiac hypertrophy. <i>Therapeutic Advances in Cardiovascular Disease</i> , 2014, 8, 97-118. | 2.1 | 9 |
| 56 | Pdgfrb is a direct regulatory target of TGF β ² signaling in atrioventricular cushion mesenchymal cells. <i>PLoS ONE</i> , 2017, 12, e0175791. | 2.5 | 9 |
| 57 | Rapid Antiretroviral Therapy Program: Development and Evaluation at a Veterans Affairs Medical Center in the Southern United States. <i>AIDS Patient Care and STDs</i> , 2022, 36, 219-225. | 2.5 | 8 |
| 58 | Adverse Outcomes Associated With Inpatient Administration of Beers List Medications Following Total Knee Replacement. <i>Clinical Therapeutics</i> , 2020, 42, 592-604.e1. | 2.5 | 6 |
| 59 | How Many Mice and How Many Arrays? Replication in Mouse cDNA Microarray Experiments. , 2004, , 139-154. | | 6 |
| 60 | Predictor(s) of Abnormal Array Comparative Genomic Hybridization Results in Patients with Cleft Lip and/or Palate. <i>Cleft Palate-Craniofacial Journal</i> , 2015, 52, 724-731. | 0.9 | 5 |
| 61 | Global correlation analysis between redundant probe sets using a large collection of Arabidopsis ath1 expression profiling data. <i>Computational Systems Bioinformatics / Life Sciences Society Computational Systems Bioinformatics Conference</i> , 2006, , 223-6. | 0.4 | 5 |
| 62 | Excretion of anti-angiogenic proteins in patients with chronic allograft dysfunction. <i>Nephrology Dialysis Transplantation</i> , 2012, 27, 494-497. | 0.7 | 3 |
| 63 | Autosomal Dominant Polycystic Kidney Disease Does Not Significantly Alter Major COVID-19 Outcomes among Veterans. <i>Kidney360</i> , 2021, 2, 983-988. | 2.1 | 2 |
| 64 | Experimental Designs and ANOVA for Microarray Data. , 2011, , 151-169. | | 2 |
| 65 | Applying shrinkage variance estimators to the TOST test in high dimensional settings. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2014, 13, 323-41. | 0.6 | 1 |
| 66 | BCRgt: a Bayesian cluster regression-based genotyping algorithm for the samples with copy number alterations. <i>BMC Bioinformatics</i> , 2014, 15, 74. | 2.6 | 1 |
| 67 | Pulmonary Hypertension. <i>Chest</i> , 2022, 161, 803-806. | 0.8 | 1 |
| 68 | Statistics for Next Generation Sequencing “ Meeting Report. <i>Frontiers in Genetics</i> , 2012, 3, 128. | 2.3 | 0 |
| 69 | Multigroup Equivalence Analysis for High-Dimensional Expression Data. <i>Cancer Informatics</i> , 2015, 14s2, CIN.S17304. | 1.9 | 0 |