

Thomas Girke

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

10,088
citations

87723

38
h-index

110170

64
g-index

65
all docs

65
docs citations

65
times ranked

19300
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Orchestrating high-throughput genomic analysis with Bioconductor. <i>Nature Methods</i> , 2015, 12, 115-121. | 9.0 | 3,070 |
| 2 | The Vegetative Vacuole Proteome of <i>Arabidopsis thaliana</i> Reveals Predicted and Unexpected Proteins[W]. <i>Plant Cell</i> , 2004, 16, 3285-3303. | 3.1 | 591 |
| 3 | Profiling translomes of discrete cell populations resolves altered cellular priorities during hypoxia in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18843-18848. | 3.3 | 553 |
| 4 | WUSCHEL protein movement mediates stem cell homeostasis in the <i>Arabidopsis</i> shoot apex. <i>Genes and Development</i> , 2011, 25, 2025-2030. | 2.7 | 522 |
| 5 | Cloning and Characterization of MicroRNAs from Rice. <i>Plant Cell</i> , 2005, 17, 1397-1411. | 3.1 | 462 |
| 6 | ChemMine tools: an online service for analyzing and clustering small molecules. <i>Nucleic Acids Research</i> , 2011, 39, W486-W491. | 6.5 | 377 |
| 7 | Translational dynamics revealed by genome-wide profiling of ribosome footprints in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E203-12. | 3.3 | 367 |
| 8 | Gene expression map of the <i>Arabidopsis</i> shoot apical meristem stem cell niche. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4941-4946. | 3.3 | 299 |
| 9 | ChemmineR: a compound mining framework for R. <i>Bioinformatics</i> , 2008, 24, 1733-1734. | 1.8 | 296 |
| 10 | Differential mRNA translation contributes to gene regulation under non-stress and dehydration stress conditions in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2004, 38, 823-839. | 2.8 | 283 |
| 11 | systemPipeR: NGS workflow and report generation environment. <i>BMC Bioinformatics</i> , 2016, 17, 388. | 1.2 | 178 |
| 12 | <i>Arabidopsis</i> LATERAL ORGAN BOUNDARIES negatively regulates brassinosteroid accumulation to limit growth in organ boundaries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 21146-21151. | 3.3 | 167 |
| 13 | Annotating Genes of Known and Unknown Function by Large-Scale Coexpression Analysis. <i>Plant Physiology</i> , 2008, 147, 41-57. | 2.3 | 162 |
| 14 | Tomato Susceptibility to Root-Knot Nematodes Requires an Intact Jasmonic Acid Signaling Pathway. <i>Molecular Plant-Microbe Interactions</i> , 2008, 21, 1205-1214. | 1.4 | 160 |
| 15 | A maximum common substructure-based algorithm for searching and predicting drug-like compounds. <i>Bioinformatics</i> , 2008, 24, i366-i374. | 1.8 | 150 |
| 16 | In Planta Expression or Delivery of Potato Aphid <i>Macrosiphum euphorbiae</i> Effectors <i>Me10</i> and <i>Me23</i> Enhances Aphid Fecundity. <i>Molecular Plant-Microbe Interactions</i> , 2013, 26, 67-74. | 1.4 | 150 |
| 17 | Large meta-analysis of genome-wide association studies identifies five loci for lean body mass. <i>Nature Communications</i> , 2017, 8, 80. | 5.8 | 147 |
| 18 | Plant stem cell maintenance involves direct transcriptional repression of differentiation program. <i>Molecular Systems Biology</i> , 2013, 9, 654. | 3.2 | 126 |

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|----|---|------|-----------|
| 19 | Juvenile hormone and its receptor, methoprene-tolerant, control the dynamics of mosquito gene expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2173-81. | 3.3 | 124 |
| 20 | Linking genes of unknown function with abiotic stress responses by high-throughput phenotype screening. <i>Physiologia Plantarum</i> , 2013, 148, 322-333. | 2.6 | 123 |
| 21 | Clusters of bioactive compounds target dynamic endomembrane networks in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17850-17855. | 3.3 | 122 |
| 22 | Small RNAs and the regulation of cis-natural antisense transcripts in <i>Arabidopsis</i> . <i>BMC Molecular Biology</i> , 2008, 9, 6. | 3.0 | 120 |
| 23 | A high-resolution gene expression map of the <i>Arabidopsis</i> shoot meristem stem cell niche. <i>Development (Cambridge)</i> , 2014, 141, 2735-2744. | 1.2 | 110 |
| 24 | Identification and characterization of endogenous small interfering RNAs from rice. <i>Nucleic Acids Research</i> , 2005, 33, 4443-4454. | 6.5 | 92 |
| 25 | Transcriptomes of eight <i>Arabidopsis thaliana</i> accessions reveal core conserved, genotype- and organ-specific responses to flooding stress. <i>Plant Physiology</i> , 2016, 172, pp.00472.2016. | 2.3 | 92 |
| 26 | Switching desaturase enzyme specificity by alternate subcellular targeting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 10266-10271. | 3.3 | 87 |
| 27 | Deciphering the Ubiquitin-Mediated Pathway in Apicomplexan Parasites: A Potential Strategy to Interfere with Parasite Virulence. <i>PLoS ONE</i> , 2008, 3, e2386. | 1.1 | 80 |
| 28 | The Synthetic Elicitor 3,5-Dichloroanthranilic Acid Induces <i>NPR1</i> -Dependent and <i>NPR1</i> -Independent Mechanisms of Disease Resistance in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2009, 150, 333-347. | 2.3 | 74 |
| 29 | The Cell Wall Navigator Database. A Systems-Based Approach to Organism-Unrestricted Mining of Protein Families Involved in Cell Wall Metabolism. <i>Plant Physiology</i> , 2004, 136, 3003-3008. | 2.3 | 64 |
| 30 | What makes species unique? The contribution of proteins with obscure features. <i>Genome Biology</i> , 2006, 7, R57. | 13.9 | 64 |
| 31 | ChemMine. A Compound Mining Database for Chemical Genomics. <i>Plant Physiology</i> , 2005, 138, 573-577. | 2.3 | 61 |
| 32 | MODIFIED VACUOLE PHENOTYPE1 Is an <i>Arabidopsis</i> Myrosinase-Associated Protein Involved in Endomembrane Protein Trafficking. <i>Plant Physiology</i> , 2009, 152, 120-132. | 2.3 | 57 |
| 33 | Regulation of Gene Expression Patterns in Mosquito Reproduction. <i>PLoS Genetics</i> , 2015, 11, e1005450. | 1.5 | 56 |
| 34 | Hairy and Groucho mediate the action of juvenile hormone receptor Methoprene-tolerant in gene repression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E735-43. | 3.3 | 55 |
| 35 | SEED: efficient clustering of next-generation sequences. <i>Bioinformatics</i> , 2011, 27, 2502-2509. | 1.8 | 54 |
| 36 | Pathophysiologic and Transcriptomic Analyses of Viscerotropic Yellow Fever in a Rhesus Macaque Model. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e3295. | 1.3 | 54 |

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|----|---|-----|-----------|
| 37 | fmcsR: mismatch tolerant maximum common substructure searching in R. <i>Bioinformatics</i> , 2013, 29, 2792-2794. | 1.8 | 48 |
| 38 | Genome Cluster Database. A Sequence Family Analysis Platform for Arabidopsis and Rice. <i>Plant Physiology</i> , 2005, 138, 47-54. | 2.3 | 45 |
| 39 | HOTAIRM1 lncRNA is downregulated in clear cell renal cell carcinoma and inhibits the hypoxia pathway. <i>Cancer Letters</i> , 2020, 472, 50-58. | 3.2 | 41 |
| 40 | Transcriptome-wide microRNA and target dynamics in the fat body during the gonadotrophic cycle of <i>Aedes aegypti</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1895-E1903. | 3.3 | 38 |
| 41 | Microarray Analysis of Tomato's Early and Late Wound Response Reveals New Regulatory Targets for Leucine Aminopeptidase A. <i>PLoS ONE</i> , 2013, 8, e77889. | 1.1 | 35 |
| 42 | Accelerated similarity searching and clustering of large compound sets by geometric embedding and locality sensitive hashing. <i>Bioinformatics</i> , 2010, 26, 953-959. | 1.8 | 34 |
| 43 | Gene regulatory networks shape developmental plasticity of root cell types under water extremes in rice. <i>Developmental Cell</i> , 2022, 57, 1177-1192.e6. | 3.1 | 27 |
| 44 | Towards a Modeling Infrastructure for Studying Plant Cells. <i>Plant Physiology</i> , 2003, 132, 410-414. | 2.3 | 26 |
| 45 | Alcohol Consumption Modulates Host Defense in Rhesus Macaques by Altering Gene Expression in Circulating Leukocytes. <i>Journal of Immunology</i> , 2016, 196, 182-195. | 0.4 | 25 |
| 46 | A novel virus from <i>Macrosiphum euphorbiae</i> with similarities to members of the family Flaviviridae. <i>Journal of General Virology</i> , 2016, 97, 1261-1271. | 1.3 | 25 |
| 47 | Expression analysis of Arabidopsis vacuolar sorting receptor 3 reveals a putative function in guard cells. <i>Journal of Experimental Botany</i> , 2008, 59, 1149-1161. | 2.4 | 22 |
| 48 | Acute Simian Varicella Virus Infection Causes Robust and Sustained Changes in Gene Expression in the Sensory Ganglia. <i>Journal of Virology</i> , 2016, 90, 10823-10843. | 1.5 | 19 |
| 49 | <i>signatureSearch</i> : environment for gene expression signature searching and functional interpretation. <i>Nucleic Acids Research</i> , 2020, 48, e124-e124. | 6.5 | 17 |
| 50 | Isolation and Analysis of mRNAs from Specific Cell Types of Plants by Ribosome Immunopurification. <i>Methods in Molecular Biology</i> , 2013, 959, 277-302. | 0.4 | 16 |
| 51 | Decoding the Ubiquitin-Mediated Pathway of Arthropod Disease Vectors. <i>PLoS ONE</i> , 2013, 8, e78077. | 1.1 | 16 |
| 52 | Sequence analysis of the potato aphid <i>Macrosiphum euphorbiae</i> transcriptome identified two new viruses. <i>PLoS ONE</i> , 2018, 13, e0193239. | 1.1 | 14 |
| 53 | bioassayR: Cross-Target Analysis of Small Molecule Bioactivity. <i>Journal of Chemical Information and Modeling</i> , 2016, 56, 1237-1242. | 2.5 | 13 |
| 54 | Global isoform-specific transcript alterations and deregulated networks in clear cell renal cell carcinoma. <i>Oncotarget</i> , 2018, 9, 23670-23680. | 0.8 | 13 |

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|----|--|-----|-----------|
| 55 | High-throughput small molecule screening reveals Nrf2-dependent and -independent pathways of cellular stress resistance. <i>Science Advances</i> , 2020, 6, . | 4.7 | 12 |
| 56 | Experimental Acute Exposure to Thirdhand Smoke and Changes in the Human Nasal Epithelial Transcriptome. <i>JAMA Network Open</i> , 2019, 2, e196362. | 2.8 | 11 |
| 57 | Genomic and functional analysis of the host response to acute simian varicella infection in the lung. <i>Scientific Reports</i> , 2016, 6, 34164. | 1.6 | 9 |
| 58 | Transcriptomic Evidence That Switching from Tobacco to Electronic Cigarettes Does Not Reverse Damage to the Respiratory Epithelium. <i>Toxics</i> , 2022, 10, 370. | 1.6 | 7 |
| 59 | Endomembrane Dissection Using Chemically Induced Bioactive Clusters. <i>Methods in Molecular Biology</i> , 2014, 1056, 159-168. | 0.4 | 5 |
| 60 | Genetic Support for Longevity-Enhancing Drug Targets: Issues, Preliminary Data, and Future Directions. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, S61-S71. | 1.7 | 4 |
| 61 | Large-scale bioactivity analysis of the small-molecule assayed proteome. <i>PLoS ONE</i> , 2017, 12, e0171413. | 1.1 | 4 |
| 62 | Cheminformatic Analysis of High-Throughput Compound Screens. <i>Methods in Molecular Biology</i> , 2014, 1056, 145-157. | 0.4 | 3 |
| 63 | Gene Expression Analysis of Shoot Apical Meristem Cell Types. <i>Methods in Molecular Biology</i> , 2013, 959, 235-245. | 0.4 | 2 |