

Josh T Cuperus

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

3,573
citations

361045

20
h-index

580395

25
g-index

34
all docs

34
docs citations

34
times ranked

4425
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Specificity of ARGONAUTE7-miR390 Interaction and Dual Functionality in TAS3 Trans-Acting siRNA Formation. <i>Cell</i> , 2008, 133, 128-141. | 13.5 | 712 |
| 2 | Evolution and Functional Diversification of <i>MIRNA</i> Genes. <i>Plant Cell</i> , 2011, 23, 431-442. | 3.1 | 645 |
| 3 | Unique functionality of 22-nt miRNAs in triggering RDR6-dependent siRNA biogenesis from target transcripts in Arabidopsis. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 997-1003. | 3.6 | 448 |
| 4 | Dynamics of Gene Expression in Single Root Cells of <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2019, 31, 993-1011. | 3.1 | 279 |
| 5 | Functional Analysis of Three <i>Arabidopsis</i> ARGONAUTES Using Slicer-Defective Mutants. <i>Plant Cell</i> , 2012, 24, 3613-3629. | 3.1 | 249 |
| 6 | Deep learning of the regulatory grammar of yeast 5' untranslated regions from 500,000 random sequences. <i>Genome Research</i> , 2017, 27, 2015-2024. | 2.4 | 166 |
| 7 | Identification of <i>MIR390a</i> precursor processing-defective mutants in Arabidopsis by direct genome sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 466-471. | 3.3 | 137 |
| 8 | New Generation of Artificial MicroRNA and Synthetic Trans-Acting Small Interfering RNA Vectors for Efficient Gene Silencing in Arabidopsis. <i>Plant Physiology</i> , 2014, 165, 15-29. | 2.3 | 119 |
| 9 | Regulation and functional specialization of small RNA target nodes during plant development. <i>Current Opinion in Plant Biology</i> , 2009, 12, 622-627. | 3.5 | 111 |
| 10 | Phytophthora Have Distinct Endogenous Small RNA Populations That Include Short Interfering and microRNAs. <i>PLoS ONE</i> , 2013, 8, e77181. | 1.1 | 88 |
| 11 | The regulatory landscape of <i>Arabidopsis thaliana</i> roots at single-cell resolution. <i>Nature Communications</i> , 2021, 12, 3334. | 5.8 | 84 |
| 12 | Synthetic promoter designs enabled by a comprehensive analysis of plant core promoters. <i>Nature Plants</i> , 2021, 7, 842-855. | 4.7 | 78 |
| 13 | A single-cell view of the transcriptome during lateral root initiation in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2021, 33, 2197-2220. | 3.1 | 75 |
| 14 | Identification of genes required for de novo DNA methylation in Arabidopsis. <i>Epigenetics</i> , 2011, 6, 344-354. | 1.3 | 64 |
| 15 | Identification of Plant Enhancers and Their Constituent Elements by STARR-seq in Tobacco Leaves. <i>Plant Cell</i> , 2020, 32, 2120-2131. | 3.1 | 53 |
| 16 | <i>Agrobacterium rhizogenes</i> GALLS Protein Substitutes for <i>Agrobacterium tumefaciens</i> Single-Stranded DNA-Binding Protein VirE2. <i>Journal of Bacteriology</i> , 2004, 186, 3065-3077. | 1.0 | 52 |
| 17 | Complex Relationships between Chromatin Accessibility, Sequence Divergence, and Gene Expression in <i>Arabidopsis thaliana</i> . <i>Molecular Biology and Evolution</i> , 2018, 35, 837-854. | 3.5 | 33 |
| 18 | Vision, challenges and opportunities for a Plant Cell Atlas. <i>ELife</i> , 2021, 10, . | 2.8 | 31 |

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|----|---|-----|-----------|
| 19 | Translation Start Sequences Affect the Efficiency of Silencing of <i>Agrobacterium tumefaciens</i> T-DNA Oncogenes. <i>Plant Physiology</i> , 2003, 133, 966-977. | 2.3 | 29 |
| 20 | The promise of single-cell genomics in plants. <i>Current Opinion in Plant Biology</i> , 2020, 54, 114-121. | 3.5 | 26 |
| 21 | Single-cell genomics in plants: current state, future directions, and hurdles to overcome. <i>Plant Physiology</i> , 2022, 188, 749-755. | 2.3 | 24 |
| 22 | A tetO Toolkit To Alter Expression of Genes in <i>Saccharomyces cerevisiae</i> . <i>ACS Synthetic Biology</i> , 2015, 4, 842-852. | 1.9 | 18 |
| 23 | Preferences in a trait decision determined by transcription factor variants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7997-E8006. | 3.3 | 15 |
| 24 | Effects of sequence motifs in the yeast 3' untranslated region determined from massively parallel assays of random sequences. <i>Genome Biology</i> , 2021, 22, 293. | 3.8 | 6 |
| 25 | Editorial overview: Technology development as a driver of biological discovery. <i>Current Opinion in Plant Biology</i> , 2020, 54, A1-A4. | 3.5 | 1 |