

# Cheng-Jun Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2279212/publications.pdf>

Version: 2024-02-01

28  
papers

1,417  
citations

623734

14  
h-index

501196

28  
g-index

30  
all docs

30  
docs citations

30  
times ranked

2102  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Genomes of 13 domesticated and wild rice relatives highlight genetic conservation, turnover and innovation across the genus <i>Oryza</i> . <i>Nature Genetics</i> , 2018, 50, 285-296.   | 21.4 | 413       |
| 2  | Natural variation in <i>Ghd7.1</i> plays an important role in grain yield and adaptation in rice. <i>Cell Research</i> , 2013, 23, 969-971.  | 12.0 | 222       |
| 3  | Rapid evolution of protein diversity by de novo origination in <i>Oryza</i> . <i>Nature Ecology and Evolution</i> , 2019, 3, 679-690.  | 7.8  | 121       |
| 4  | Physiological and Transcriptome Analyses Reveal Short-Term Responses and Formation of Memory Under Drought Stress in Rice. <i>Frontiers in Genetics</i> , 2019, 10, 55.  | 2.3  | 114       |
| 5  | A survey of transcriptome complexity in <i>Sus scrofa</i> using single-molecule long-read sequencing. <i>DNA Research</i> , 2018, 25, 421-437.   | 3.4  | 83        |
| 6  | The draft genome assembly of <i>Rhododendron delavayi</i> Franch. var. <i>delavayi</i> . <i>GigaScience</i> , 2017, 6, 1-11.   | 6.4  | 64        |
| 7  | Evolutionary Character of Alternative Splicing in Plants. <i>Bioinformatics and Biology Insights</i> , 2015, 9s1, BBI.S33716.  | 2.0  | 51        |
| 8  | gKaKs: the pipeline for genome-level Ka/Ks calculation. <i>Bioinformatics</i> , 2013, 29, 645-646.   | 4.1  | 47        |
| 9  | High-quality evergreen azalea genome reveals tandem duplication-facilitated low-altitude adaptability and floral scent evolution. <i>Plant Biotechnology Journal</i> , 2021, 19, 2544-2560.  | 8.3  | 35        |
| 10 | Global transcriptome analysis reveals extensive gene remodeling, alternative splicing and differential transcription profiles in non-seed vascular plant <i>Selaginella moellendorffii</i> . <i>BMC Genomics</i> , 2017, 18, 1042.               | 2.8  | 34        |
| 11 | Complex evolution of <i>S5</i> , a major reproductive barrier regulator, in the cultivated rice <i>Oryza sativa</i> and its wild relatives. <i>New Phytologist</i> , 2011, 191, 275-287.   | 7.3  | 33        |
| 12 | New Genes Interacted With Recent Whole-Genome Duplicates in the Fast Stem Growth of Bamboos. <i>Molecular Biology and Evolution</i> , 2021, 38, 5752-5768.   | 8.9  | 28        |
| 13 | Evolution of Gene Structural Complexity: An Alternative-Splicing-Based Model Accounts for Intron-Containing Retrogenes. <i>Plant Physiology</i> , 2014, 165, 412-423.  | 4.8  | 19        |
| 14 | Origination and Establishment of a Trigenic Reproductive Isolation System in Rice. <i>Molecular Plant</i> , 2016, 9, 1542-1545.  | 8.3  | 18        |
| 15 | The <i>Rhododendron</i> Plant Genome Database (RPGD): a comprehensive online omics database for <i>Rhododendron</i> . <i>BMC Genomics</i> , 2021, 22, 376.   | 2.8  | 16        |
| 16 | Dynamic programming procedure for searching optimal models to estimate substitution rates based on the maximum-likelihood method. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7860-7865. | 7.1  | 15        |
| 17 | Population size may shape the accumulation of functional mutations following domestication. <i>BMC Evolutionary Biology</i> , 2018, 18, 4.   | 3.2  | 15        |
| 18 | Genetic innovations: Transposable element recruitment and de novo formation lead to the birth of orphan genes in the rice genome. <i>Journal of Systematics and Evolution</i> , 2021, 59, 341-351.   | 3.1  | 14        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | High Occurrence of Functional New Chimeric Genes in Survey of Rice Chromosome 3 Short Arm Genome Sequences. <i>Genome Biology and Evolution</i> , 2013, 5, 1038-1048.                     | 2.5 | 11        |
| 20 | Alternative splicing coupled to nonsense-mediated mRNA decay contributes to the high-altitude adaptation of maca ( <i>Lepidium meyenii</i> ). <i>Gene</i> , 2019, 694, 7-18.              | 2.2 | 10        |
| 21 | Temporal regulation of alternative splicing events in rice memory under drought stress. <i>Plant Diversity</i> , 2022, 44, 116-125.   | 3.7 | 10        |
| 22 | Rapid Genome Evolution and Adaptation of <i>Thlaspi arvense</i> Mediated by Recurrent RNA-Based and Tandem Gene Duplications. <i>Frontiers in Plant Science</i> , 2021, 12, 772655.       | 3.6 | 8         |
| 23 | Gene fusion as an important mechanism to generate new genes in the genus <i>Oryza</i> . <i>Genome Biology</i> , 2022, 23, .   | 8.8 | 7         |
| 24 | The new chimeric chiron genes evolved essential roles in zebrafish embryonic development by regulating NAD <sup>+</sup> levels. <i>Science China Life Sciences</i> , 2021, 64, 1929-1948. | 4.9 | 6         |
| 25 | Divergence and hybridization in the desert plant <i>Reaumuria soongarica</i> . <i>Journal of Systematics and Evolution</i> , 2020, 58, 159-173.   | 3.1 | 5         |
| 26 | Evolutionary patterns of chimeric retrogenes in <i>Oryza</i> species. <i>Scientific Reports</i> , 2019, 9, 17733.   | 3.3 | 3         |
| 27 | Analysis of MYB genes in four plant species and the detection of genes associated with drought resistance. <i>Botany</i> , 0, , 1-14.   | 1.0 | 3         |
| 28 | Rapid evolution of T2/S-RNase genes in <i>Fragaria</i> linked to multiple transitions from self-incompatibility to self-compatibility. <i>Plant Diversity</i> , 2023, 45, 219-228.        | 3.7 | 3         |