# Tomasz Czechowski

## List of Publications by Year in descending order



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|---|---|---|---|
| 24 papers | 7,633 citations | 361413 20 h-index | 610901 24 g-index |
| 25 all docs | 25 docs citations | 25 times ranked | 10580 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Genome-Wide Identification and Testing of Superior Reference Genes for Transcript Normalization in Arabidopsis. Plant Physiology, 2005, 139, 5-17. | 4.8 | 2,835 |
| 2 | Genome-Wide Reprogramming of Primary and Secondary Metabolism, Protein Synthesis, Cellular Growth Processes, and the Regulatory Infrastructure of Arabidopsis in Response to Nitrogen. Plant Physiology, 2004, 136, 2483-2499. | 4.8 | 926 |
| 3 | Real-time RT-PCR profiling of over 1400Arabidopsistranscription factors: unprecedented sensitivity reveals novel root- and shoot-specific genes. Plant Journal, 2004, 38, 366-379. | 5.7 | 590 |
| 4 | Eleven Golden Rules of Quantitative RT-PCR. Plant Cell, 2008, 20, 1736-1737. | 6.6 | 580 |
| 5 | Genome-wide reprogramming of metabolism and regulatory networks of Arabidopsis in response to phosphorus. Plant, Cell and Environment, 2007, 30, 85-112. | 5.7 | 533 |
| 6 | Symbiotic Leghemoglobins Are Crucial for Nitrogen Fixation in Legume Root Nodules but Not for General Plant Growth and Development. Current Biology, 2005, 15, 531-535. | 3.9 | 350 |
| 7 | The Genetic Map of Artemisia annua L. Identifies Loci Affecting Yield of the Antimalarial Drug Artemisinin. Science, 2010, 327, 328-331. | 12.6 | 325 |
| 8 | Phosphorus Stress in Common Bean: Root Transcript and Metabolic Responses. Plant Physiology, 2007, 144, 752-767. | 4.8 | 300 |
| 9 | Identification of 118 Arabidopsis Transcription Factor and 30 Ubiquitin-Ligase Genes Responding to Chitin, a Plant-Defense Elicitor. Molecular Plant-Microbe Interactions, 2007, 20, 900-911. | 2.6 | 254 |
| 10 | Priming of plant innate immunity by rhizobacteria and Î²â€aminobutyric acid: differences and similarities in regulation. New Phytologist, 2009, 183, 419-431. | 7.3 | 192 |
| 11 | The Sucrose Transporter StSUT1 Localizes to Sieve Elements in Potato Tuber Phloem and Influences Tuber Physiology and Development,. Plant Physiology, 2003, 131, 102-113. | 4.8 | 134 |
| 12 | A community resource for high-throughput quantitative RT-PCR analysis of transcription factor gene expression in Medicago truncatula. Plant Methods, 2008, 4, 18. | 4.3 | 120 |
| 13 | Gene expression profiling identifies two regulatory genes controlling dormancy and ABA sensitivity in Arabidopsis seeds. Plant Journal, 2010, 61, 611-622. | 5.7 | 95 |
| 14 | Artemisia annua mutant impaired in artemisinin synthesis demonstrates importance of nonenzymatic conversion in terpenoid metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 15150-15155. | 7.1 | 92 |
| 15 | De Novo Amino Acid Biosynthesis in Potato Tubers Is Regulated by Sucrose Levels. Plant Physiology, 2003, 133, 683-692. | 4.8 | 71 |
| 16 | Selection of a subspecies-specific diterpene gene cluster implicated in rice disease resistance. Nature Plants, 2020, 6, 1447-1454. | 9.3 | 66 |
| 17 | Allele-aware chromosome-level genome assembly of Artemisia annua reveals the correlation between ADS expansion and artemisinin yield. Molecular Plant, 2022, 15, 1310-1328. | 8.3 | 47 |
| 18 | Detailed Phytochemical Analysis of High- and Low Artemisinin-Producing Chemotypes of Artemisia annua. Frontiers in Plant Science, 2018, 9, 641. | 3.6 | 33 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Flavonoid Versus Artemisinin Anti-malarial Activity in Artemisia annua Whole-Leaf Extracts. Frontiers in Plant Science, 2019, 10, 984. | 3.6 | 25 |
| 20 | Developing a Nicotiana benthamiana transgenic platform for highâ€value diterpene production and candidate gene evaluation. Plant Biotechnology Journal, 2021, 19, 1614-1623. | 8.3 | 25 |
| 21 | Silencing amorpha-4,11-diene synthase Genes in Artemisia annua Leads to FPP Accumulation. Frontiers in Plant Science, 2018, 9, 547. | 3.6 | 19 |
| 22 | Editorial: Artemisininâ€"From Traditional Chinese Medicine to Artemisinin Combination Therapies; Four Decades of Research on the Biochemistry, Physiology, and Breeding of Artemisia annua. Frontiers in Plant Science, 2020, 11, 594565. | 3.6 | 12 |
| 23 | Gene discovery and virus-induced gene silencing reveal branched pathways to major classes of bioactive diterpenoids in Euphorbia peplus. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2203890119. | 7.1 | 7 |
| 24 | Impact of osmotic stress on the growth and root architecture of introgression lines derived from a wild ancestor of rice and a modern cultivar. Plant-Environment Interactions, 2020, 1, 122-133. | 1.5 | 2 |