

Tomasz Czechowski

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

7,633
citations

361045

20
h-index

610482

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. <i>Plant Physiology</i> , 2005, 139, 5-17.	2.3	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. <i>Plant Physiology</i> , 2004, 136, 2483-2499.	2.3	926
3	Real-time RT-PCR profiling of over 1400 Arabidopsis transcription factors: unprecedented sensitivity reveals novel root- and shoot-specific genes. <i>Plant Journal</i> , 2004, 38, 366-379.	2.8	590
4	Eleven Golden Rules of Quantitative RT-PCR. <i>Plant Cell</i> , 2008, 20, 1736-1737.	3.1	580
5	Genome-wide reprogramming of metabolism and regulatory networks of Arabidopsis in response to phosphorus. <i>Plant, Cell and Environment</i> , 2007, 30, 85-112.	2.8	533
6	Symbiotic Leghemoglobins Are Crucial for Nitrogen Fixation in Legume Root Nodules but Not for General Plant Growth and Development. <i>Current Biology</i> , 2005, 15, 531-535.	1.8	350
7	The Genetic Map of <i>Artemisia annua</i> L. Identifies Loci Affecting Yield of the Antimalarial Drug Artemisinin. <i>Science</i> , 2010, 327, 328-331.	6.0	325
8	Phosphorus Stress in Common Bean: Root Transcript and Metabolic Responses. <i>Plant Physiology</i> , 2007, 144, 752-767.	2.3	300
9	Identification of 118 <i>Arabidopsis</i> Transcription Factor and 30 Ubiquitin-Ligase Genes Responding to Chitin, a Plant-Defense Elicitor. <i>Molecular Plant-Microbe Interactions</i> , 2007, 20, 900-911.	1.4	254
10	Priming of plant innate immunity by rhizobacteria and Î²-aminobutyric acid: differences and similarities in regulation. <i>New Phytologist</i> , 2009, 183, 419-431.	3.5	192
11	The Sucrose Transporter StSUT1 Localizes to Sieve Elements in Potato Tuber Phloem and Influences Tuber Physiology and Development. <i>Plant Physiology</i> , 2003, 131, 102-113.	2.3	134
12	A community resource for high-throughput quantitative RT-PCR analysis of transcription factor gene expression in <i>Medicago truncatula</i> . <i>Plant Methods</i> , 2008, 4, 18.	1.9	120
13	Gene expression profiling identifies two regulatory genes controlling dormancy and ABA sensitivity in Arabidopsis seeds. <i>Plant Journal</i> , 2010, 61, 611-622.	2.8	95
14	<i>Artemisia annua</i> mutant impaired in artemisinin synthesis demonstrates importance of nonenzymatic conversion in terpenoid metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 15150-15155.	3.3	92
15	De Novo Amino Acid Biosynthesis in Potato Tubers Is Regulated by Sucrose Levels. <i>Plant Physiology</i> , 2003, 133, 683-692.	2.3	71
16	Selection of a subspecies-specific diterpene gene cluster implicated in rice disease resistance. <i>Nature Plants</i> , 2020, 6, 1447-1454.	4.7	66
17	Allele-aware chromosome-level genome assembly of <i>Artemisia annua</i> reveals the correlation between ADS expansion and artemisinin yield. <i>Molecular Plant</i> , 2022, 15, 1310-1328.	3.9	47
18	Detailed Phytochemical Analysis of High- and Low Artemisinin-Producing Chemotypes of <i>Artemisia annua</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 641.	1.7	33

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19	Flavonoid Versus Artemisinin Anti-malarial Activity in <i>Artemisia annua</i> Whole-Leaf Extracts. <i>Frontiers in Plant Science</i> , 2019, 10, 984.	1.7	25
20	Developing a <i>Nicotiana benthamiana</i> transgenic platform for high-value diterpene production and candidate gene evaluation. <i>Plant Biotechnology Journal</i> , 2021, 19, 1614-1623.	4.1	25
21	Silencing amorpho-4,11-diene synthase Genes in <i>Artemisia annua</i> Leads to FPP Accumulation. <i>Frontiers in Plant Science</i> , 2018, 9, 547.	1.7	19
22	Editorial: Artemisinin—From Traditional Chinese Medicine to Artemisinin Combination Therapies; Four Decades of Research on the Biochemistry, Physiology, and Breeding of <i>Artemisia annua</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 594565.	1.7	12
23	Gene discovery and virus-induced gene silencing reveal branched pathways to major classes of bioactive diterpenoids in <i>Euphorbia peplus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2203890119.	3.3	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. <i>Plant-Environment Interactions</i> , 2020, 1, 122-133.	0.7	2