TomÃ¡Â¡ Werner

List of Publications by Year
in descending order

29 papers	6,612 citations	257450 24 h-index	477307 29 g-index
31 all docs	31 docs citations	31 times ranked	5533 citing authors

#	Article	IF	Citations
1	Cytokinin-Deficient Transgenic Arabidopsis Plants Show Multiple Developmental Alterations Indicating Opposite Functions of Cytokinins in the Regulation of Shoot and Root Meristem Activity. Plant Cell, 2003, 15, 2532-2550.	6.6	1,272
2	Regulation of plant growth by cytokinin. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 10487-10492.	7.1	900
3	Analysis of Cytokinin Mutants and Regulation of Cytokinin Metabolic Genes Reveals Important Regulatory Roles of Cytokinins in Drought, Salt and Abscisic Acid Responses, and Abscisic Acid Biosynthesis Â. Plant Cell, 2011, 23, 2169-2183.	6.6	647
4	Cytokinin action in plant development. Current Opinion in Plant Biology, 2009, 12, 527-538.	7.1	583
5	Cytokinin Regulates the Activity of Reproductive Meristems, Flower Organ Size, Ovule Formation, and Thus Seed Yield inArabidopsis thalianaÂ Â Â. Plant Cell, 2011, 23, 69-80.	6.6	566
6	Root-Specific Reduction of Cytokinin Causes Enhanced Root Growth, Drought Tolerance, and Leaf Mineral Enrichment in Arabidopsis and Tobacco Â Â. Plant Cell, 2011, 22, 3905-3920.	6.6	417
7	Structure and function of cytokinin oxidase/dehydrogenase genes of maize, rice, Arabidopsis and other species. Journal of Plant Research, 2003, 116, 241-252.	2.4	328
8	New Insights into the Biology of Cytokinin Degradation. Plant Biology, 2006, 8, 371-381.	3.8	263
9	Increased steady state mRNA levels of the STM and KNAT1 homeobox genes in cytokinin overproducing Arabidopsis thaliana indicate a role for cytokinins in the shoot apical meristem. Plant Journal, 1999, 18, 557-563.	5.7	252
10	Enhanced drought and heat stress tolerance of tobacco plants with ectopically enhanced cytokinin oxidase/dehydrogenase gene expression. Journal of Experimental Botany, 2013, 64, 2805-2815.	4.8	222
11	Biochemical Characterization of Cytokinin Oxidases/Dehydrogenases from Arabidopsis thaliana Expressed in Nicotiana tabacum L.. Journal of Plant Growth Regulation, 2007, 26, 255-267.	5.1	151
12	Cytokinin deficiency causes distinct changes of sink and source parameters in tobacco shoots and roots. Journal of Experimental Botany, 2008, 59, 2659-2672.	4.8	150
13	Overexpression of the cytosolic cytokinin oxidase/dehydrogenase (<scp>CKX</scp>7) from <scp>A</scp>rabidopsis causes specific changes in root growth and xylem differentiation. Plant Journal, 2014, 78, 359-371.	5.7	141
14	Gain-of-Function Mutants of the Cytokinin Receptors AHK2 and AHK3 Regulate Plant Organ Size, Flowering Time and Plant Longevity. Plant Physiology, 2017, 173, 1783-1797.	4.8	94
15	Cytokinin Oxidase/Cytokinin Dehydrogenase Assay: Optimized Procedures and Applications. Analytical Biochemistry, 2002, 306, 1-7.	2.4	91
16	Cytokinin oxidase/dehydrogenase genes in barley and wheat. FEBS Journal, 2004, 271, 3990-4002.	0.2	86
17	Combining Enhanced Root and Shoot Growth Reveals Cross Talk between Pathways That Control Plant Organ Size in Arabidopsis Â Â Â. Plant Physiology, 2011, 155, 1339-1352.	4.8	75
18	The purine derivative Plâ€55 blocks cytokinin action via receptor inhibition. FEBS Journal, 2009, 276, 244-253.	4.7	64

#	Article	IF	Citations
19	Enhanced cytokinin degradation in leaf primordia of transgenic Arabidopsis plants reduces leaf size and shoot organ primordia formation. Journal of Plant Physiology, 2011, 168, 1328-1334.	3.5	51
20	Ectopic expression of different cytokinin-regulated transcription factor genes of Arabidopsis thaliana alters plant growth and development. Journal of Plant Physiology, 2011, 168, 1320-1327.	3.5	46
21	Arabidopsis ROCK1 transports UDP-GlcNAc/UDP-GalNAc and regulates ER protein quality control and cytokinin activity. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 291-296.	7.1	45
22	Divergent expression of cytokinin biosynthesis, signaling and catabolism genes underlying differences in feeding sites induced by cyst and rootâ€knot nematodes. Plant Journal, 2017, 92, 211-228.	5.7	42
23	The Cytokinin Oxidase/Dehydrogenase CKX1 Is a Membrane-Bound Protein Requiring Homooligomerization in the Endoplasmic Reticulum for Its Cellular Activity. Plant Physiology, 2018, 176, 2024-2039.	4.8	40
24	New cytokinin metabolites in IPT transgenic Arabidopsis thaliana plants. Physiologia Plantarum, 2003, 118, 127-137.	5.2	28
25	The Cytokinin Status of the Epidermis Regulates Aspects of Vegetative and Reproductive Development in Arabidopsis thaliana. Frontiers in Plant Science, 2021, 12, 613488.	3.6	22
26	Arabidopsis HIPP proteins regulate endoplasmic reticulum-associated degradation of CKX proteins and cytokinin responses. Molecular Plant, 2021, 14, 1918-1934.	8.3	19
27	Increased branching independent of strigolactone in cytokinin oxidase 2-overexpressing tomato is mediated by reduced auxin transport. Molecular Horticulture, 2022, 2, .	5.8	10
28	Endoplasmic reticulum: Where nucleotide sugar transport meets cytokinin control mechanisms. Plant Signaling and Behavior, 2015, 10, e1072668.	2.4	4
29	PPKL1 moonlights the role of cytokinin in regulating rice grain size. Molecular Plant, 2021, , .	8.3	1