

James G Tokuhisa

List of Publications by Year in descending order

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32
papers

3,582
citations

236833

25
h-index

454834

30
g-index

32
all docs

32
docs citations

32
times ranked

3750
citing authors

#	ARTICLE	IF	CITATIONS
1	Variation of glucosinolate accumulation among different organs and developmental stages of <i>Arabidopsis thaliana</i> . <i>Phytochemistry</i> , 2003, 62, 471-481.	1.4	814
2	Elucidation of Gene-to-Gene and Metabolite-to-Gene Networks in <i>Arabidopsis</i> by Integration of Metabolomics and Transcriptomics*. <i>Journal of Biological Chemistry</i> , 2005, 280, 25590-25595.	1.6	453
3	The Effect of Sulfur Nutrition on Plant Glucosinolate Content: Physiology and Molecular Mechanisms. <i>Plant Biology</i> , 2007, 9, 573-581.	1.8	260
4	Gene expression and glucosinolate accumulation in <i>Arabidopsis thaliana</i> in response to generalist and specialist herbivores of different feeding guilds and the role of defense signaling pathways. <i>Phytochemistry</i> , 2006, 67, 2450-2462.	1.4	248
5	Benzoic acid glucosinolate esters and other glucosinolates from <i>Arabidopsis thaliana</i> . <i>Phytochemistry</i> , 2002, 59, 663-671.	1.4	226
6	MAM3 Catalyzes the Formation of All Aliphatic Glucosinolate Chain Lengths in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2007, 144, 60-71.	2.3	194
7	Phytochrome in green tissue: Spectral and immunochemical evidence for two distinct molecular species of phytochrome in light-grown <i>Avena sativa</i> L.. <i>Planta</i> , 1985, 164, 321-332.	1.6	180
8	OCSBF-1, a maize ocs enhancer binding factor: isolation and expression during development.. <i>Plant Cell</i> , 1990, 2, 891-903.	3.1	136
9	Formation of the Unusual Semivolatile Diterpene Rhizathalene by the <i>Arabidopsis</i> Class I Terpene Synthase TPS08 in the Root Stele Is Involved in Defense against Belowground Herbivory. <i>Plant Cell</i> , 2013, 25, 1108-1125.	3.1	123
10	Expression profiling of metabolic genes in response to methyl jasmonate reveals regulation of genes of primary and secondary sulfur-related pathways in <i>Arabidopsis thaliana</i> . <i>Photosynthesis Research</i> , 2005, 86, 491-508.	1.6	111
11	Potato Steroidal Glycoalkaloids: Biosynthesis and Genetic Manipulation. <i>Potato Research</i> , 2009, 52, 1-15.	1.2	104
12	Two <i>Arabidopsis</i> Genes (IPMS1 and IPMS2) Encode Isopropylmalate Synthase, the Branchpoint Step in the Biosynthesis of Leucine. <i>Plant Physiology</i> , 2007, 143, 970-986.	2.3	88
13	Does the ocs-element occur as a functional component of the promoters of plant genes?. <i>Plant Journal</i> , 1993, 4, 433-443.	2.8	72
14	Chloroplast Development at Low Temperatures Requires a Homolog of DIM1, a Yeast Gene Encoding the 18S rRNA Dimethylase. <i>Plant Cell</i> , 1998, 10, 699-711.	3.1	71
15	Saturation mutagenesis of the octopine synthase enhancer: correlation of mutant phenotypes with binding of a nuclear protein factor.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989, 86, 3733-3737.	3.3	66
16	Induction of potato steroidal glycoalkaloid biosynthetic pathway by overexpression of cDNA encoding primary metabolism HMG-CoA reductase and squalene synthase. <i>Planta</i> , 2012, 235, 1341-1353.	1.6	50
17	The levels of two distinct species of phytochrome are regulated differently during germination in <i>Avena sativa</i> L.. <i>Planta</i> , 1987, 172, 371-377.	1.6	45
18	De novo formation of an aggregation pheromone precursor by an isoprenyl diphosphate synthase-related terpene synthase in the harlequin bug. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8634-E8641.	3.3	43

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19	Properties of Î²-thioglucoside hydrolases (TGG1 and TGG2) from leaves of Arabidopsis thaliana. Plant Science, 2012, 191-192, 82-92.	1.7	36
20	Metabolite profiling of Arabidopsis seedlings in response to exogenous sinalbin and sulfur deficiency. Phytochemistry, 2011, 72, 1767-1778.	1.4	33
21	Steroidal glycoalkaloids in Solanum chacoense. Phytochemistry, 2012, 75, 32-40.	1.4	32
22	PHYTOCHROME IN GREEN-TISSUE: PARTIAL PURIFICATION and CHARACTERIZATION OF THE 118-KILODALTON PHYTOCHROME SPECIES FROM LIGHT-GROWN Avena sativa L.*. Photochemistry and Photobiology, 1989, 50, 143-152.	1.3	30
23	Sequence Diversity in Coding Regions of Candidate Genes in the Glycoalkaloid Biosynthetic Pathway of Wild Potato Species. G3: Genes, Genomes, Genetics, 2013, 3, 1467-1479.	0.8	29
24	A Rootstock Provides Water Conservation for a Grafted Commercial Tomato (Solanum lycopersicum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Parameters. PLoS ONE, 2014, 9, e115380.	1.1	29
25	Allelic variation in genes contributing to glycoalkaloid biosynthesis in a diploid interspecific population of potato. Theoretical and Applied Genetics, 2014, 127, 391-405.	1.8	28
26	Crystal Structure of Xanthomonas AvrRxo1-ORF1, a Type III Effector with a Polynucleotide Kinase Domain, and Its Interactor AvrRxo1-ORF2. Structure, 2015, 23, 1900-1909.	1.6	27
27	An aeroponic culture system for the study of root herbivory on Arabidopsis thaliana. Plant Methods, 2011, 7, 5.	1.9	22
28	Genetic Engineering of Plant Chilling Tolerance. , 1999, 21, 79-93.		14
29	Mutational analysis of chilling tolerance in plants. Plant, Cell and Environment, 1997, 20, 1391-1400.	2.8	10
30	Chloroplast Development at Low Temperatures Requires a Homolog of DIM1, a Yeast Gene Encoding the 18S rRNA Dimethylase. Plant Cell, 1998, 10, 699.	3.1	7
31	Chapter two The biochemical and molecular origins of aliphatic glucosinolate diversity in Arabidopsis thaliana. Recent Advances in Phytochemistry, 2004, 38, 19-38.	0.5	1
32	A DNA-Binding Protein Factor Recognizes Two Binding Domains within the Octopine Synthase Enhancer Element. Plant Cell, 1990, 2, 215.	3.1	0