

Theo Lange

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7800538/publications.pdf>

Version: 2024-02-01

46
papers

2,816
citations

172457

29
h-index

233421

45
g-index

47
all docs

47
docs citations

47
times ranked

2800
citing authors

#	ARTICLE	IF	CITATIONS
1	Isolation and Expression of Three Gibberellin 20-Oxidase cDNA Clones from Arabidopsis. <i>Plant Physiology</i> , 1995, 108, 1049-1057.	4.8	414
2	Brassinosteroids Are Master Regulators of Gibberellin Biosynthesis in Arabidopsis. <i>Plant Cell</i> , 2015, 27, 2261-2272.	6.6	190
3	Expression cloning of a gibberellin 20-oxidase, a multifunctional enzyme involved in gibberellin biosynthesis.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 8552-8556.	7.1	174
4	High levels of jasmonic acid antagonize the biosynthesis of gibberellins and inhibit the growth of <i>Nicotiana attenuata</i> stems. <i>Plant Journal</i> , 2013, 73, 591-606.	5.7	127
5	<i>StGA2ox1</i> is induced prior to stolon swelling and controls GA levels during potato tuber development. <i>Plant Journal</i> , 2007, 52, 362-373.	5.7	122
6	Gibberellin Biosynthesis and the Regulation of Plant Development. <i>Plant Biology</i> , 2006, 8, 281-290.	3.8	109
7	Feed-back regulation of gibberellin biosynthesis and gene expression in <i>Pisum sativum</i> L. <i>Planta</i> , 1996, 200, 159-66.	3.2	101
8	Molecular biology of gibberellin synthesis. <i>Planta</i> , 1998, 204, 409-419.	3.2	96
9	Release of Hormones from Conjugates: Chloroplast Expression of β -Glucosidase Results in Elevated Phytohormone Levels Associated with Significant Increase in Biomass and Protection from Aphids or Whiteflies Conferred by Sucrose Esters. <i>Plant Physiology</i> , 2011, 155, 222-235.	4.8	94
10	Geranyl diphosphate synthase is required for biosynthesis of gibberellins. <i>Plant Journal</i> , 2007, 52, 752-762.	5.7	87
11	Stable expression of <i>AtGA2ox1</i> in a low-input turfgrass (<i>Paspalum notatum</i> Flugge) reduces bioactive gibberellin levels and improves turf quality under field conditions. <i>Plant Biotechnology Journal</i> , 2007, 5, 791-801.	8.3	86
12	The gibberellin biosynthetic genes <i>AtKAO1</i> and <i>AtKAO2</i> have overlapping roles throughout <i>Arabidopsis</i> development. <i>Plant Journal</i> , 2014, 80, 462-474.	5.7	83
13	A Specific Gibberellin 20-Oxidase Dictates the Flowering-Runnering Decision in Diploid Strawberry. <i>Plant Cell</i> , 2017, 29, 2168-2182.	6.6	83
14	Cloning gibberellin dioxygenase genes from pumpkin endosperm by heterologous expression of enzyme activities in <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 6553-6558.	7.1	75
15	Expression of the Arabidopsis Mutant <i>abi1</i> Gene Alters Abscisic Acid Sensitivity, Stomatal Development, and Growth Morphology in Gray Poplars. <i>Plant Physiology</i> , 2009, 151, 2110-2119.	4.8	72
16	Gibberellin Biosynthesis from Gibberellin A12-Aldehyde in Endosperm and Embryos of <i>Marah macrocarpus</i> . <i>Plant Physiology</i> , 1997, 113, 1369-1377.	4.8	63
17	Gibberellin Biosynthesis in Developing Pumpkin Seedlings. <i>Plant Physiology</i> , 2005, 139, 213-223.	4.8	56
18	Touch-induced changes in Arabidopsis morphology dependent on gibberellin breakdown. <i>Nature Plants</i> , 2015, 1, 14025.	9.3	54

#	ARTICLE	IF	CITATIONS
19	Cloning and expression of a gibberellin 2 beta,3 beta-hydroxylase cDNA from pumpkin endosperm.. Plant Cell, 1997, 9, 1459-1467.	6.6	53
20	Ectopic Expression of Pumpkin Gibberellin Oxidases Alters Gibberellin Biosynthesis and Development of Transgenic Arabidopsis Plants. Plant Physiology, 2006, 140, 528-536.	4.8	47
21	Functional characterization of gibberellin oxidases from cucumber, Cucumis sativus L.. Phytochemistry, 2013, 90, 62-69.	2.9	46
22	Separation and characterisation of three 2-oxoglutarate-dependent dioxygenases from Cucurbita maxima L. endosperm involved in gibberellin biosynthesis. Planta, 1994, 195, 98.	3.2	43
23	Purification and partial amino-acid sequence of gibberellin 20-oxidase from Cucurbita maxima L. endosperm. Planta, 1994, 195, 108-15.	3.2	42
24	Biosynthesis of 12 α - and 13-hydroxylated gibberellins in a cell-free system from Cucurbita maxima endosperm and the identification of new endogenous gibberellins. Planta, 1993, 189, 340-349.	3.2	36
25	NO FLOWERING IN SHORT DAY (NFL) is a bHLH transcription factor that promotes flowering specifically under short-day in <i>Arabidopsis</i> . Development (Cambridge), 2016, 143, 682-90.	2.5	35
26	Production of Dwarf Lettuce by Overexpressing a Pumpkin Gibberellin 20-Oxidase Gene. Plant Physiology, 2001, 126, 965-972.	4.8	32
27	Down regulation of StGA3ox genes in potato results in altered GA content and affect plant and tuber growth characteristics. Journal of Plant Physiology, 2013, 170, 1228-1234.	3.5	32
28	Expression Studies of Gibberellin Oxidases in Developing Pumpkin Seeds. Plant Physiology, 2003, 131, 1220-1227.	4.8	31
29	The Class III Gibberellin 2-Oxidases AtGA2ox9 and AtGA2ox10 Contribute to Cold Stress Tolerance and Fertility. Plant Physiology, 2020, 184, 478-486.	4.8	31
30	Molecular characterisation of gibberellin 20-oxidases. Structure-function studies on recombinant enzymes and chimaeric proteins. Physiologia Plantarum, 1997, 100, 543-549.	5.2	30
31	The partial purification and characterization of a gibberellin C-20 hydroxylase from immature Pisum sativum L. seeds. Planta, 1989, 179, 211-221.	3.2	29
32	Gibberellin biosynthesis in cell-free extracts from developing Cucurbita maxima embryos and the identification of new endogenous gibberellins. Planta, 1993, 189, 350-358.	3.2	28
33	Root-derived GA12 contributes to temperature-induced shoot growth in Arabidopsis. Nature Plants, 2019, 5, 1216-1221.	9.3	28
34	Ovary-derived precursor gibberellin A9 essential for cucumber female flower development. Development (Cambridge), 2016, 143, 4425-4429.	2.5	26
35	Cloning and Expression of a Gibberellin 2b,3b-Hydroxylase cDNA from Pumpkin Endosperm. Plant Cell, 1997, 9, 1459.	6.6	25
36	A glycine-rich RNA-binding protein affects gibberellin biosynthesis in Arabidopsis. Molecular Biology Reports, 2014, 41, 439-445.	2.3	25

#	ARTICLE	IF	CITATIONS
37	Stamen-derived bioactive gibberellin is essential for male flower development of <i>Cucurbita maxima</i> L.. <i>Journal of Experimental Botany</i> , 2012, 63, 2681-2691.	4.8	24
38	The Multifunctional Dioxygenases of Gibberellin Synthesis. <i>Plant and Cell Physiology</i> , 2020, 61, 1869-1879.	3.1	20
39	Genetic Variation in Plant CYP51s Confers Resistance against Voriconazole, a Novel Inhibitor of Brassinosteroid-Dependent Sterol Biosynthesis. <i>PLoS ONE</i> , 2013, 8, e53650.	2.5	18
40	Brassinosteroid-regulated bHLH transcription factor CESTA induces the gibberellin 2-oxidase <i>GA2ox7</i> . <i>Plant Physiology</i> , 2022, 188, 2012-2025.	4.8	12
41	Cloning and characterization of a cDNA encoding a multifunctional gibberellin 20-oxidase from perennial ryegrass (<i>Lolium perenne</i> L.). <i>Plant Science</i> , 2002, 163, 147-155.	3.6	10
42	The IBP genes of maize are expressed in non-meristematic, elongating cells of the seedling and in abortive floral organs. <i>Molecular Genetics and Genomics</i> , 1997, 255, 248-257.	2.4	9
43	Gibberellin Biosynthesis in Maize. <i>Metabolic Studies with GA15, GA24, GA25, GA7, and 2,3-Dehydro-GA9</i> . <i>Plant Physiology</i> , 1999, 121, 1037-1045.	4.8	7
44	Cucumber gibberellin 1-oxidase/desaturase initiates novel gibberellin catabolic pathways. <i>Journal of Biological Chemistry</i> , 2020, 295, 8442-8448.	3.4	6
45	Molecular characterisation of gibberellin 20-oxidases. Structure-function studies on recombinant enzymes and chimaeric proteins. <i>Physiologia Plantarum</i> , 1997, 100, 543-549.	5.2	2
46	SICESTA Is a Brassinosteroid-Regulated bHLH Transcription Factor of Tomato That Promotes Chilling Tolerance and Fruit Growth When Over-Expressed. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	1