Kirsten JÃ¸rgensen

List of Publications by Year
in descending order

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47	3,898	172457	223800
papers	citations	29 h-index	46 g-index

48	48	48	4787
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metabolon formation and metabolic channeling in the biosynthesis of plant natural products. Current Opinion in Plant Biology, 2005, 8, 280-291.	7.1	476
2	Î²-Glucosidases as detonators of plant chemical defense. Phytochemistry, 2008, 69, 1795-1813.	2.9	459
3	CYP703 Is an Ancient Cytochrome P450 in Land Plants Catalyzing in-Chain Hydroxylation of Lauric Acid to Provide Building Blocks for Sporopollenin Synthesis in Pollen. Plant Cell, 2007, 19, 1473-1487.	6.6	332
4	CYP79F1 and CYP79F2 have distinct functions in the biosynthesis of aliphatic glucosinolates in Arabidopsis. Plant Journal, 2003, 33, 923-937.	5.7	238
5	Cassava Plants with a Depleted Cyanogenic Glucoside Content in Leaves and Tubers. Distribution of Cyanogenic Glucosides, Their Site of Synthesis and Transport, and Blockage of the Biosynthesis by RNA Interference Technology. Plant Physiology, 2005, 139, 363-374.	4.8	232
6	Cassava genome from a wild ancestor to cultivated varieties. Nature Communications, 2014, 5, 5110.	12.8	230
7	Genomic clustering of cyanogenic glucoside biosynthetic genes aids their identification in Lotus japonicus and suggests the repeated evolution of this chemical defence pathway. Plant Journal, 2011, 68, 273-286.	5.7	162
8	Vanillin formation from ferulic acid in Vanilla planifolia is catalysed by a single enzyme. Nature Communications, 2014, 5, 4037.	12.8	157
9	The molecular deposition of transgenically modified starch in the starch granule as imaged by functional microscopy. Journal of Structural Biology, 2003, 143, 229-241.	2.8	151
10	Cyanogenic glycosides: a case study for evolution and application of cytochromes P450. Phytochemistry Reviews, 2006, 5, 309-329.	6.5	122
11	Bitterness in Almonds. Plant Physiology, 2008, 146, 1040-1052.	4.8	113
12	A recycling pathway for cyanogenic glycosides evidenced by the comparative metabolic profiling in three cyanogenic plant species. Biochemical Journal, 2015, 469, 375-389.	3.7	109
13	Biosynthesis of the Cyanogenic Glucosides Linamarin and Lotaustralin in Cassava: Isolation, Biochemical Characterization, and Expression Pattern of CYP71E7, the Oxime-Metabolizing Cytochrome P450 Enzyme. Plant Physiology, 2011, 155, 282-292.	4.8	83
14	Structural, Physicochemical, and Pasting Properties of Starches from Potato Plants with Repressedr1-Geneâ€. Biomacromolecules, 2001, 2, 836-843.	5.4	72
15	Visualizing metabolite distribution and enzymatic conversion in plant tissues by desorption electrospray ionization mass spectrometry imaging. Plant Journal, 2013, 74, 1059-1071.	5.7	64
16	The Î²-Glucosidases Responsible for Bioactivation of Hydroxynitrile Glucosides in Lotus japonicus Â Â. Plant Physiology, 2008, 147, 1072-1091.	4.8	60
17	Characterization and expression profile of two UDPâ€glucosyltransferases, UGT85K4 and UGT85K5, catalyzing the last step in cyanogenic glucoside biosynthesis in cassava. Plant Journal, 2011, 68, 287-301.	5.7	60
18	Glutathione transferases catalyze recycling of autoâ€toxic cyanogenic glucosides in sorghum. Plant Journal, 2018, 94, 1109-1125.	5.7	60

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19	Structure function relationships of transgenic starches with engineered phosphate substitution and starch branching. International Journal of Biological Macromolecules, 2005, 36, 159-168.	7.5	51
20	The bifurcation of the cyanogenic glucoside and glucosinolate biosynthetic pathways. Plant Journal, 2015, 84, 558-573.	5.7	45
21	Functional characterisation of potato starch modified by specific in planta alteration of the amylopectin branching and phosphate substitution. Food Hydrocolloids, 2005, 19, 1016-1024.	10.7	42
22	Prunasin Hydrolases during Fruit Development in Sweet and Bitter Almonds Â Â Â. Plant Physiology, 2012, 158, 1916-1932.	4.8	40
23	The Intracellular Localization of the Vanillin Biosynthetic Machinery in Pods of Vanilla planifolia. Plant and Cell Physiology, 2018, 59, 304-318.	3.1	39
24	Metabolomic, Transcriptional, Hormonal, and Signaling Cross-Talk in Superroot2. Molecular Plant, 2010, 3, 192-211.	8.3	38
25	The ironâ€regulated transporter 1 plays an essential role in uptake, translocation and grainâ€loading of manganese, but not iron, in barley. New Phytologist, 2018, 217, 1640-1653.	7.3	37
26	Lessons learned from metabolic engineering of cyanogenic glucosides. Metabolomics, 2007, 3, 383-398.	3.0	35
27	Sequestration, tissue distribution and developmental transmission ofÂcyanogenic glucosides in a specialist insect herbivore. Insect Biochemistry and Molecular Biology, 2014, 44, 44-53.	2.7	35
28	Title is missing!. Molecular Breeding, 2003, 11, 315-323.	2.1	32
29	Prevention of â€œsimple accidents at workâ€•with major consequences. Safety Science, 2016, 81, 46-58.	4.9	31
30	A systematic use of information from accidents as a basis of prevention activities. Safety Science, 2008, 46, 164-175.	4.9	30
31	Raman Spectroscopic Analysis of Cyanogenic Glucosides in Plants: Development of a Flow Injection Surface-Enhanced Raman Scatter (FI-SERS) Method for Determination of Cyanide. Applied Spectroscopy, 2004, 58, 212-217.	2.2	26
32	Tissue and cellular localization of individual Î²â€glycosidases using a substrateâ€specific sugar reducing assay. Plant Journal, 2009, 60, 894-906.	5.7	25
33	Diurnal regulation of cyanogenic glucoside biosynthesis and endogenous turnover in cassava. Plant Direct, 2018, 2, e00038.	1.9	25
34	Chemical Defense Balanced by Sequestration and De Novo Biosynthesis in a Lepidopteran Specialist. PLoS ONE, 2014, 9, e108745.	2.5	20
35	Leaf and Floral Parts Feeding by Orange Tip Butterfly Larvae Depends on Larval Position but Not on Glucosinolate Profile or Nitrogen Level. Journal of Chemical Ecology, 2010, 36, 1335-1345.	1.8	19
36	Transcriptional regulation of de novo biosynthesis of cyanogenic glucosides throughout the life-cycle of the burnet moth Zygaena filipendulae (Lepidoptera). Insect Biochemistry and Molecular Biology, 2014, 49, 80-89.	2.7	19

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37	Building defects in Danish construction: project characteristics influencing the occurrence of defects at handover. Architectural Engineering and Design Management, 2015, 11, 423-439.	1.7	19
38	A tool for safety officers investigating â€œsimpleâ€•accidents. Safety Science, 2011, 49, 32-38.	4.9	17
39	Analysis of peptide PSY1 responding transcripts in the two Arabidopsis plant lines: wild type and psy1r receptor mutant. BMC Genomics, 2014, 15, 441.	2.8	17
40	Mass Spectrometry Based Imaging of Labile Glucosides in Plants. Frontiers in Plant Science, 2018, 9, 892.	3.6	17
41	Integrative Analysis of Metabolomics and Transcriptomics Data: A Unified Model Framework to Identify Underlying System Pathways. PLoS ONE, 2013, 8, e72116.	2.5	17
42	Carbon partitioning in leaves and tubers of transgenic potato plants with reduced activity of fructose-6-phosphate,2-kinase/fructose-2,6-bisphosphatase. Physiologia Plantarum, 2004, 121, 204-214.	5.2	16
43	Starch biosynthesis from triose-phosphate in transgenic potato tubers expressing plastidic fructose-1,6-bisphosphatase. Planta, 2002, 214, 616-624.	3.2	11
44	Absence from work due to occupational and non-occupational accidents. Scandinavian Journal of Public Health, 2013, 41, 18-24.	2.3	8
45	Siteâ€specific, siliconâ€induced structural and molecular defence responses against powdery mildew infection in roses. Pest Management Science, 2021, 77, 4545-4554.	3.4	5
46	Red Beet as a Model System for Studying Vacuolar Transport of Primary and Secondary Metabolites. , 2013, , 75-90.		1
47	Biofortification of Cassava Using Molecular Breeding. , 2007, , 409-411.		0