

Nanna Bjarnholt

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,092
citations

331670

21
h-index

477307

29
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29
all docs

29
docs citations

29
times ranked

2790
citing authors

#	ARTICLE	IF	CITATIONS
1	Shielding the oil reserves: the scutellum as a source of chemical defenses. <i>Plant Physiology</i> , 2022, 188, 1944-1949.	4.8	2
2	Phenolic cross-links: building and de-constructing the plant cell wall. <i>Natural Product Reports</i> , 2020, 37, 919-961.	10.3	111
3	Matrix-Assisted Laser Desorption/Ionization-Mass Spectrometry Imaging of Metabolites during Sorghum Germination. <i>Plant Physiology</i> , 2020, 183, 925-942.	4.8	29
4	Glutathione transferases catalyze recycling of auto-toxic cyanogenic glucosides in sorghum. <i>Plant Journal</i> , 2018, 94, 1109-1125.	5.7	60
5	Bottom-Up Elucidation of Glycosidic Bond Stereochemistry. <i>Analytical Chemistry</i> , 2017, 89, 4540-4549.	6.5	64
6	Degradation of lignin β -O-4 ether units in <i>Arabidopsis thaliana</i> expressing <i>LigD</i> , <i>LigF</i> and <i>LigG</i> from <i>Sphingomonas paucimobilis</i> SYK6. <i>Plant Biotechnology Journal</i> , 2017, 15, 581-593.	8.3	29
7	Metabolic consequences of knocking out <i>UCT85B1</i> , the gene encoding the glucosyltransferase required for synthesis of dhurrin in <i>Sorghum bicolor</i> (L. Moench). <i>Plant and Cell Physiology</i> , 2016, 57, 373-386.	3.1	34
8	Dhurrin metabolism in the developing grain of <i>Sorghum bicolor</i> (L.) Moench investigated by metabolite profiling and novel clustering analyses of time-resolved transcriptomic data. <i>BMC Genomics</i> , 2016, 17, 1021.	2.8	56
9	Diversified glucosinolate metabolism: biosynthesis of hydrogen cyanide and of the hydroxynitrile glucoside alliarioside in relation to sinigrin metabolism in <i>Alliaria petiolata</i> . <i>Frontiers in Plant Science</i> , 2015, 6, 926.	3.6	23
10	How Does Garlic Mustard Lure and Kill the West Virginia White Butterfly?. <i>Journal of Chemical Ecology</i> , 2015, 41, 948-955.	1.8	12
11	A recycling pathway for cyanogenic glycosides evidenced by the comparative metabolic profiling in three cyanogenic plant species. <i>Biochemical Journal</i> , 2015, 469, 375-389.	3.7	109
12	Metabolism, excretion and avoidance of cyanogenic glucosides in insects with different feeding specialisations. <i>Insect Biochemistry and Molecular Biology</i> , 2015, 66, 119-128.	2.7	27
13	Mass spectrometry imaging of plant metabolites – principles and possibilities. <i>Natural Product Reports</i> , 2014, 31, 818-837.	10.3	179
14	Glucosinolate-Related Glucosides in <i>Alliaria petiolata</i> : Sources of Variation in the Plant and Different Metabolism in an Adapted Specialist Herbivore, <i>Pieris rapae</i> . <i>Journal of Chemical Ecology</i> , 2014, 40, 1063-1079.	1.8	23
15	Visualizing metabolite distribution and enzymatic conversion in plant tissues by desorption electrospray ionization mass spectrometry imaging. <i>Plant Journal</i> , 2013, 74, 1059-1071.	5.7	64
16	Occurrence of Sarmentosin and Other Hydroxynitrile Glucosides in <i>Parnassius</i> (Papilionidae) Butterflies and Their Food Plants. <i>Journal of Chemical Ecology</i> , 2012, 38, 525-537.	1.8	12
17	Phenylalanine derived cyanogenic diglucosides from <i>Eucalyptus camphora</i> and their abundances in relation to ontogeny and tissue type. <i>Phytochemistry</i> , 2011, 72, 2325-2334.	2.9	41
18	Characterization of barley leaf tissue using direct and indirect desorption electrospray ionization imaging mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2011, 46, 1241-1246.	1.6	64

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19	Dissipation of cyanogenic glucosides and cyanide in soil amended with white clover (<i>Trifolium repens</i>) Tj ETQq1 1 0,784314 rgBT /Overl	8.8	17
20	Diversification of an ancient theme: Hydroxynitrile glucosides. <i>Phytochemistry</i> , 2008, 69, 1507-1516.	2.9	64
21	Hydroxynitrile glucosides. <i>Phytochemistry</i> , 2008, 69, 1947-1961.	2.9	53
22	Mineralization of benzyl glucosinolate and its hydrolysis product the biofumigant benzyl isothiocyanate in soil. <i>Soil Biology and Biochemistry</i> , 2008, 40, 135-141.	8.8	17
23	Leaching of cyanogenic glucosides and cyanide from white clover green manure. <i>Chemosphere</i> , 2008, 72, 897-904.	8.2	26
24	The β -Glucosidases Responsible for Bioactivation of Hydroxynitrile Glucosides in <i>Lotus japonicus</i> . <i>Plant Physiology</i> , 2008, 147, 1072-1091.	4.8	60
25	A Systems Biology Approach Identifies a R2R3 MYB Gene Subfamily with Distinct and Overlapping Functions in Regulation of Aliphatic Glucosinolates. <i>PLoS ONE</i> , 2007, 2, e1322.	2.5	321
26	Cyanogenic glycosides: a case study for evolution and application of cytochromes P450. <i>Phytochemistry Reviews</i> , 2006, 5, 309-329.	6.5	122
27	Metabolon formation and metabolic channeling in the biosynthesis of plant natural products. <i>Current Opinion in Plant Biology</i> , 2005, 8, 280-291.	7.1	476
28	HPLC method with on-line SPE preconcentration for quantification of permethric acid sorption to goethite. <i>International Journal of Environmental Analytical Chemistry</i> , 2004, 84, 303-314.	3.3	4