

Wilfried Rozhon

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

3,867
citations

201674

27
h-index

149698

56
g-index

60
all docs

60
docs citations

60
times ranked

5514
citing authors

#	ARTICLE	IF	CITATIONS
1	Compromised stability of DNA methylation and transposon immobilization in mosaic <i>Arabidopsis</i> epigenomes. <i>Genes and Development</i> , 2009, 23, 939-950.	5.9	380
2	A MAPK pathway mediates ethylene signaling in plants. <i>EMBO Journal</i> , 2003, 22, 1282-1288.	7.8	288
3	Toxin-antitoxin systems. <i>Mobile Genetic Elements</i> , 2013, 3, e26219.	1.8	279
4	Hormonal control of cold stress responses in plants. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 797-810.	5.4	243
5	Chemical Inhibition of a Subset of <i>Arabidopsis thaliana</i> GSK3-like Kinases Activates Brassinosteroid Signaling. <i>Chemistry and Biology</i> , 2009, 16, 594-604.	6.0	240
6	Brassinosteroids Are Master Regulators of Gibberellin Biosynthesis in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2015, 27, 2261-2272.	6.6	190
7	Constitutively Active Mitogen-Activated Protein Kinase Versions Reveal Functions of <i>Arabidopsis</i> MPK4 in Pathogen Defense Signaling. <i>Plant Cell</i> , 2012, 24, 4281-4293.	6.6	163
8	Brassinosteroids participate in the control of basal and acquired freezing tolerance of plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5982-E5991.	7.1	162
9	Brassinosteroid-regulated GSK3/Shaggy-like Kinases Phosphorylate Mitogen-activated Protein (MAP) Kinase Kinases, Which Control Stomata Development in <i>Arabidopsis thaliana</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 7519-7527.	3.4	152
10	Stress-Induced GSK3 Regulates the Redox Stress Response by Phosphorylating Glucose-6-Phosphate Dehydrogenase in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 3380-3392.	6.6	151
11	The Role of Hormones in the Aging of Plants - A Mini-Review. <i>Gerontology</i> , 2014, 60, 49-55.	2.8	133
12	CESTA, a positive regulator of brassinosteroid biosynthesis. <i>EMBO Journal</i> , 2011, 30, 1149-1161.	7.8	115
13	Pyrrolizidine Alkaloids: Biosynthesis, Biological Activities and Occurrence in Crop Plants. <i>Molecules</i> , 2019, 24, 498.	3.8	104
14	Effective, homogeneous and transient interference with cytosine methylation in plant genomic DNA by zebularine. <i>Plant Journal</i> , 2009, 57, 542-554.	5.7	102
15	Overexpression of the UGT73C6 alters brassinosteroid glucoside formation in <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2011, 11, 51.	3.6	93
16	Cooperation of Multiple Chromatin Modifications Can Generate Unanticipated Stability of Epigenetic States in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2010, 22, 34-47.	6.6	82
17	Quantification of sugars and organic acids in tomato fruits. <i>MethodsX</i> , 2018, 5, 537-550.	1.6	82
18	ASK1, a group-III <i>Arabidopsis</i> GSK3, functions in the brassinosteroid signalling pathway. <i>Plant Journal</i> , 2010, 62, 215-223.	5.7	78

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19	A plastid-localized glycogen synthase kinase ϵ 3 modulates stress tolerance and carbohydrate metabolism. <i>Plant Journal</i> , 2007, 49, 1076-1090.	5.7	70
20	Rapid quantification of global DNA methylation by isocratic cation exchange high-performance liquid chromatography. <i>Analytical Biochemistry</i> , 2008, 375, 354-360.	2.4	66
21	A novel <i>A. rabidopsis</i> CHITIN ELICITOR RECEPTOR KINASE 1 (CERK1) mutant with enhanced pathogen-induced cell death and altered receptor processing. <i>New Phytologist</i> , 2014, 204, 955-967.	7.3	55
22	Higher expression of the strawberry xyloglucan endotransglucosylase/hydrolase genes <i>XTH9</i> and <i>XTH6</i> accelerates fruit ripening. <i>Plant Journal</i> , 2019, 100, 1237-1253.	5.7	51
23	<i>ENO2</i> activity is required for the development and reproductive success of plants, and is feedback-repressed by <i>A. tMBP</i> . <i>Plant Journal</i> , 2015, 81, 895-906.	5.7	50
24	Repair of DNA Damage Induced by the Cytidine Analog Zebularine Requires ATR and ATM in Arabidopsis. <i>Plant Cell</i> , 2015, 27, 1788-1800.	6.6	50
25	Interplay between phosphorylation and SUMOylation events determines CESTA protein fate in brassinosteroid signalling. <i>Nature Communications</i> , 2014, 5, 4687.	12.8	46
26	<i>Erwinia amylovora</i> -induced defense mechanisms of two apple species that differ in susceptibility to fire blight. <i>Plant Science</i> , 2010, 179, 60-67.	3.6	41
27	A Proteasome-regulated Glycogen Synthase Kinase-3 Modulates Disease Response in Plants*. <i>Journal of Biological Chemistry</i> , 2007, 282, 5249-5255.	3.4	32
28	Quantification of free and total salicylic acid in plants by solid-phase extraction and isocratic high-performance anion-exchange chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 1620-1627.	3.7	30
29	Inhibitors of Brassinosteroid Biosynthesis and Signal Transduction. <i>Molecules</i> , 2019, 24, 4372.	3.8	29
30	Carbon isotope composition, water use efficiency, and drought sensitivity are controlled by a common genomic segment in maize. <i>Theoretical and Applied Genetics</i> , 2019, 132, 53-63.	3.6	26
31	Frequency and diversity of small cryptic plasmids in the genus <i>Rahnella</i> . <i>BMC Microbiology</i> , 2010, 10, 56.	3.3	25
32	Comparative analysis of epigenetic inhibitors reveals different degrees of interference with transcriptional gene silencing and induction of DNA damage. <i>Plant Journal</i> , 2020, 102, 68-84.	5.7	22
33	Reply: Interaction between Brassinosteroids and Gibberellins: Synthesis or Signaling? In Arabidopsis, Both!. <i>Plant Cell</i> , 2016, 28, 836-839.	6.6	21
34	Quantification of Glutamate and Aspartate by Ultra-High Performance Liquid Chromatography. <i>Molecules</i> , 2018, 23, 1389.	3.8	21
35	Isolation and characterization of pHW15, a small cryptic plasmid from <i>Rahnella</i> genomospecies 2. <i>Plasmid</i> , 2006, 56, 202-215.	1.4	18
36	Characterisation of the <i>stbD/E</i> toxin-antitoxin system of pEP36, a plasmid of the plant pathogen <i>Erwinia pyrifoliae</i> . <i>Plasmid</i> , 2013, 70, 216-225.	1.4	18

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37	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
38	Bikinin-like inhibitors targeting GSK3/Shaggy-like kinases: characterisation of novel compounds and elucidation of their catabolism in planta. <i>BMC Plant Biology</i> , 2014, 14, 172.	3.6	15
39	The Effect of Salinity on Fruit Quality and Yield of Cherry Tomatoes. <i>Horticulturae</i> , 2022, 8, 59.	2.8	15
40	Dual control of MAPK activities by AP2C1 and MKP1 MAPK phosphatases regulates defence responses in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2022, 73, 2369-2384.	4.8	12
41	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
42	Quantification of the Pyrrolizidine Alkaloid Jacobine in <i>Crassocephalum crepidioides</i> by Cation Exchange High-Performance Liquid Chromatography. <i>Phytochemical Analysis</i> , 2018, 29, 48-58.	2.4	11
43	Synergistic Effects of a Root-Endophytic <i>Trichoderma</i> Fungus and <i>Bacillus</i> on Early Root Colonization and Defense Activation Against <i>Verticillium longisporum</i> in Rapeseed. <i>Molecular Plant-Microbe Interactions</i> , 2022, 35, 380-392.	2.6	11
44	Identification of cis- and trans-acting elements in pHW126, a representative of a novel group of rolling circle plasmids. <i>Plasmid</i> , 2011, 65, 70-76.	1.4	9
45	GSK3-mediated phosphorylation of DEK3 regulates chromatin accessibility and stress tolerance in <i>Arabidopsis</i> . <i>FEBS Journal</i> , 2022, 289, 473-493.	4.7	7
46	Analysis of DNA Methylation Content and Patterns in Plants. <i>Methods in Molecular Biology</i> , 2018, 1694, 277-298.	0.9	6
47	Assay for abscisic acid 8-hydroxylase activity of cloned plant cytochrome P450 oxidases in <i>Saccharomyces cerevisiae</i> . <i>Analytical Biochemistry</i> , 2018, 553, 24-27.	2.4	6
48	Analysis of In Vitro DNA Interactions of Brassinosteroid-Controlled Transcription Factors Using Electrophoretic Mobility Shift Assay. <i>Methods in Molecular Biology</i> , 2017, 1564, 133-144.	0.9	6
49	Identification of the region required for maintaining pHW126 in its monomeric form. <i>FEMS Microbiology Letters</i> , 2012, 331, 89-96.	1.8	5
50	The small molecule hyperphyllin enhances leaf formation rate and mimics shoot meristem integrity defects associated with AMP1 deficiency. <i>Plant Physiology</i> , 2016, 171, pp.01633.2015.	4.8	5
51	The BAH1 Acyltransferase BIA1 Uses Acetyl-CoA for Catabolic Inactivation of Brassinosteroids. <i>Plant Physiology</i> , 2020, 184, 23-26.	4.8	5
52	The acyltransferase PMAT1 malonylates brassinolide glucoside. <i>Journal of Biological Chemistry</i> , 2021, 296, 100424.	3.4	4
53	The Orphan Crop <i>Crassocephalum crepidioides</i> Accumulates the Pyrrolizidine Alkaloid Jacobine in Response to Nitrogen Starvation. <i>Frontiers in Plant Science</i> , 2021, 12, 702985.	3.6	4
54	The replication protein of pHW126 auto-controls its expression. <i>Plasmid</i> , 2017, 90, 38-43.	1.4	3

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55	Determination of the [15N]-Nitrate/[14N]-Nitrate Ratio in Plant Feeding Studies by GC-MS. <i>Molecules</i> , 2019, 24, 1531.	3.8	2
56	The Natural Antibiotic Resistances of the Enterobacteriaceae <i>Rahnella</i> and <i>Ewingella</i> . , 0, , .		1
57	Plant Nutrition: Physiological and Metabolic Responses, Molecular Mechanisms and Chromatin Modifications. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4084.	4.1	1
58	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