

Katja Witzel

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

939
citations

430874

18
h-index

610901

24
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27
all docs

27
docs citations

27
times ranked

1248
citing authors

#	ARTICLE	IF	CITATIONS
1	Salt stress-induced alterations in the root proteome of barley genotypes with contrasting response towards salinity. <i>Journal of Experimental Botany</i> , 2009, 60, 3545-3557.	4.8	191
2	Comparative analysis of the grain proteome fraction in barley genotypes with contrasting salinity tolerance during germination. <i>Plant, Cell and Environment</i> , 2010, 33, 211-222.	5.7	102
3	Metabolic profiling of glucosinolates and their hydrolysis products in a germplasm collection of <i>Brassica rapa</i> turnips. <i>Food Research International</i> , 2017, 100, 392-403.	6.2	57
4	Genome Sequence of <i>Enterobacter radicincitans</i> DSM16656 ^T , a Plant Growth-Promoting Endophyte. <i>Journal of Bacteriology</i> , 2012, 194, 5469-5469.	2.2	55
5	Salinity Stress in Roots of Contrasting Barley Genotypes Reveals Time-Distinct and Genotype-Specific Patterns for Defined Proteins. <i>Molecular Plant</i> , 2014, 7, 336-355.	8.3	51
6	Genotypic Variation of Glucosinolates and Their Breakdown Products in Leaves of <i>Brassica rapa</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5481-5490.	5.2	49
7	<i>Verticillium</i> Suppression Is Associated with the Glucosinolate Composition of <i>Arabidopsis thaliana</i> Leaves. <i>PLoS ONE</i> , 2013, 8, e71877.	2.5	43
8	Plasma membrane proteome analysis identifies a role of barley membrane steroid binding protein in root architecture response to salinity. <i>Plant, Cell and Environment</i> , 2018, 41, 1311-1330.	5.7	36
9	Rhizosecretion of stele-synthesized glucosinolates and their catabolites requires GTR-mediated import in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2016, 68, erw355.	4.8	35
10	Differences in the enzymatic hydrolysis of glucosinolates increase the defense metabolite diversity in 19 <i>Arabidopsis thaliana</i> accessions. <i>Plant Physiology and Biochemistry</i> , 2018, 124, 126-135.	5.8	35
11	<i>Verticillium longisporum</i> infection induces organ-specific glucosinolate degradation in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2015, 6, 508.	3.6	29
12	Identification and Characterization of Three Epithiospecifier Protein Isoforms in <i>Brassica oleracea</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 1552.	3.6	26
13	Fructans Are Differentially Distributed in Root Tissues of <i>Asparagus</i> . <i>Cells</i> , 2020, 9, 1943.	4.1	26
14	Temporal impact of the vascular wilt pathogen <i>Verticillium dahliae</i> on tomato root proteome. <i>Journal of Proteomics</i> , 2017, 169, 215-224.	2.4	25
15	<i>Arabidopsis thaliana</i> root and root exudate metabolism is altered by the growth-promoting bacterium <i>Kosakonia radicincitans</i> DSM 16656T. <i>Plant and Soil</i> , 2017, 419, 557-573.	3.7	24
16	A Remorin from <i>Nicotiana benthamiana</i> Interacts with the <i>Pseudomonas</i> Type-III Effector Protein HopZ1a and is Phosphorylated by the Immune-Related Kinase PBS1. <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 1229-1242.	2.6	24
17	Rapid dereplication of microbial isolates using matrix-assisted laser desorption ionization time-of-flight mass spectrometry: A mini-review. <i>Journal of Advanced Research</i> , 2019, 19, 99-104.	9.5	23
18	Natural diversity of hydroxycinnamic acid derivatives, flavonoid glycosides, carotenoids and chlorophylls in leaves of six different amaranth species. <i>Food Chemistry</i> , 2018, 267, 376-386.	8.2	22

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19	Tissue-specific signatures of metabolites and proteins in asparagus roots and exudates. Horticulture Research, 2021, 8, 86.	6.3	21
20	Perturbations in the Primary Metabolism of Tomato and Arabidopsis thaliana Plants Infected with the Soil-Borne Fungus Verticillium dahliae. PLoS ONE, 2015, 10, e0138242.	2.5	18
21	Species-Specific Impact of Fusarium Infection on the Root and Shoot Characteristics of Asparagus. Pathogens, 2020, 9, 509.	2.8	16
22	Opening the Treasure Chest: The Current Status of Research on Brassica oleracea and B. rapa Vegetables From ex situ Germplasm Collections. Frontiers in Plant Science, 2021, 12, 643047.	3.6	12
23	The Jacalin-Related Lectin HvHorch Is Involved in the Physiological Response of Barley Roots to Salt Stress. International Journal of Molecular Sciences, 2021, 22, 10248.	4.1	9
24	Culture Dependent and Independent Analysis of Potential Probiotic Bacterial Genera and Species Present in the Phyllosphere of Raw Eaten Produce. International Journal of Molecular Sciences, 2019, 20, 3661.	4.1	6
25	Clay chips and beads capture <i>in situ</i> barley root microbiota and facilitate <i>in vitro</i> long-term preservation of microbial strains. FEMS Microbiology Ecology, 0, , .	2.7	3