

Marie-Theres Hauser

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68
papers

4,950
citations

33
h-index

69
g-index

69
ext. papers

5,777
ext. citations

8.7
avg, IF

5.25
L-index

#	Paper	IF	Citations
68	The outer influences the inner: Postharvest UV-B irradiation modulates peach flesh metabolome although shielded by the skin. <i>Food Chemistry</i> , 2021 , 338, 127782	8.5	7
67	A trimeric CrRLK1L-LLG1 complex genetically modulates SUMM2-mediated autoimmunity. <i>Nature Communications</i> , 2020 , 11, 4859	17.4	12
66	Beyond the Visible and Below the Peel: How UV-B Radiation Influences the Phenolic Profile in the Pulp of Peach Fruit. A Biochemical and Molecular Study. <i>Frontiers in Plant Science</i> , 2020 , 11, 579063	6.2	5
65	UV-B exposure reduces the activity of several cell wall-dismantling enzymes and affects the expression of their biosynthetic genes in peach fruit (<i>Prunus persica</i> L., cv. Fairtime, melting phenotype). <i>Photochemical and Photobiological Sciences</i> , 2019 , 18, 1280-1289	4.2	7
64	Zearalenone and Zearalenol But Not Their Glucosides Inhibit Heat Shock Protein 90 ATPase Activity. <i>Frontiers in Pharmacology</i> , 2019 , 10, 1160	5.6	2
63	Involvement of the eIF2 γ Kinase GCN2 in UV-B Responses. <i>Frontiers in Plant Science</i> , 2019 , 10, 1492	6.2	7
62	Comparative "phenol-omics" and gene expression analyses in peach (<i>Prunus persica</i>) skin in response to different postharvest UV-B treatments. <i>Plant Physiology and Biochemistry</i> , 2019 , 135, 511-519	5.4	12
61	Arabidopsis ILITHYIA protein is necessary for proper chloroplast biogenesis and root development independent of eIF2 γ phosphorylation. <i>Journal of Plant Physiology</i> , 2018 , 224-225, 173-182	3.6	11
60	Post-harvest UV-B radiation modulates metabolite profile in peach fruit. <i>Postharvest Biology and Technology</i> , 2018 , 139, 127-134	6.2	29
59	Root hair abundance impacts cadmium accumulation in <i>Arabidopsis thaliana</i> shoots. <i>Annals of Botany</i> , 2018 , 122, 903-914	4.1	12
58	Dual localized kinesin-12 POK2 plays multiple roles during cell division and interacts with MAP65-3. <i>EMBO Reports</i> , 2018 , 19,	6.5	19
57	Multiplex mutagenesis of four clustered CrRLK1L with CRISPR/Cas9 exposes their growth regulatory roles in response to metal ions. <i>Scientific Reports</i> , 2018 , 8, 12182	4.9	25
56	The Plant Glycosyltransferase Family GT64: In Search of a Function 2018 , 285-303		
55	Plant Cytokinesis: Terminology for Structures and Processes. <i>Trends in Cell Biology</i> , 2017 , 27, 885-894	18.3	88
54	T-DNA alleles of the receptor kinase THESEUS1 with opposing effects on cell wall integrity signaling. <i>Journal of Experimental Botany</i> , 2017 , 68, 4583-4593	7	32
53	Role of RLK1L Cell Wall Sensors HERCULES1 and 2, THESEUS1, and FERONIA in Growth Adaptation Triggered by Heavy Metals and Trace Elements. <i>Frontiers in Plant Science</i> , 2017 , 8, 1554	6.2	26
52	Cell cycle-regulated PLEIADE/AtMAP65-3 links membrane and microtubule dynamics during plant cytokinesis. <i>Plant Journal</i> , 2016 , 88, 531-541	6.9	21

51	The Membrane-Associated Sec1/Munc18 KEULE is Required for Phragmoplast Microtubule Reorganization During Cytokinesis in Arabidopsis. <i>Molecular Plant</i> , 2016 , 9, 528-40	14.4	25
50	Waterproofing in Arabidopsis: Following Phenolics and Lipids In situ by Confocal Raman Microscopy. <i>Frontiers in Chemistry</i> , 2016 , 4, 10	5	38
49	UV-B induction of the E3 ligase ARIADNE12 depends on CONSTITUTIVELY PHOTOMORPHOGENIC 1. <i>Plant Physiology and Biochemistry</i> , 2015 , 93, 18-28	5.4	9
48	Transcriptional repression by MYB3R proteins regulates plant organ growth. <i>EMBO Journal</i> , 2015 , 34, 1992-2007	13	80
47	Molecular basis of natural variation and environmental control of trichome patterning. <i>Frontiers in Plant Science</i> , 2014 , 5, 320	6.2	78
46	Expression of zinc and cadmium responsive genes in leaves of willow (<i>Salix caprea</i> L.) genotypes with different accumulation characteristics. <i>Environmental Pollution</i> , 2013 , 178, 121-7	9.3	42
45	Root anatomy and element distribution vary between two <i>Salix caprea</i> isolates with different Cd accumulation capacities. <i>Environmental Pollution</i> , 2012 , 163, 117-26	9.3	91
44	Interactome of the plant-specific ESCRT-III component AtVPS2.2 in Arabidopsis thaliana. <i>Journal of Proteome Research</i> , 2012 , 11, 397-411	5.6	24
43	Chitinase-like1/pom-pom1 and its homolog CTL2 are glucan-interacting proteins important for cellulose biosynthesis in Arabidopsis. <i>Plant Cell</i> , 2012 , 24, 589-607	11.6	118
42	Cracking the elusive alignment hypothesis: the microtubule-cellulose synthase nexus unraveled. <i>Trends in Plant Science</i> , 2012 , 17, 666-74	13.1	76
41	POM-POM2/cellulose synthase interacting1 is essential for the functional association of cellulose synthase and microtubules in Arabidopsis. <i>Plant Cell</i> , 2012 , 24, 163-77	11.6	197
40	UV-B signaling pathways and fluence rate dependent transcriptional regulation of ARIADNE12. <i>Physiologia Plantarum</i> , 2012 , 145, 527-39	4.6	27
39	UV responses of <i>Lolium perenne</i> raised along a latitudinal gradient across Europe: a filtration study. <i>Physiologia Plantarum</i> , 2012 , 145, 604-18	4.6	14
38	Induction of ARI12 upon broad band UV-B radiation is suppressed by UVR8 and cryptochromes. <i>Plant Signaling and Behavior</i> , 2012 , 7, 1411-4	2.5	4
37	Transgenerational epigenetic inheritance in plants. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2011 , 1809, 459-68	6	205
36	The Arabidopsis deubiquitinating enzyme AMSH3 interacts with ESCRT-III subunits and regulates their localization. <i>Plant Cell</i> , 2011 , 23, 3026-40	11.6	76
35	Differentiation of metallicolous and non-metallicolous <i>Salix caprea</i> populations based on phenotypic characteristics and nuclear microsatellite (SSR) markers. <i>Plant, Cell and Environment</i> , 2010 , 33, 1641-1655	8.4	25
34	Transgenerational inheritance and resetting of stress-induced loss of epigenetic gene silencing in Arabidopsis. <i>Molecular Plant</i> , 2010 , 3, 594-602	14.4	200

33	A single amino acid replacement in ETC2 shapes trichome patterning in natural Arabidopsis populations. <i>Current Biology</i> , 2009 , 19, 1747-51	6.3	31
32	3rd International Symposium on Fusarium Head Blight, Session 4: Pathogenesis and Plant Pathology, Poster presentations. <i>Cereal Research Communications</i> , 2008 , 36, 471-551	1.1	1
31	MODULATOR OF PIN genes control steady-state levels of Arabidopsis PIN proteins. <i>Plant Journal</i> , 2007 , 51, 537-50	6.9	21
30	Short review: Metabolism of the Fusarium mycotoxins deoxynivalenol and zearalenone in plants. <i>Mycotoxin Research</i> , 2007 , 23, 68-72	4	28
29	The ring between ring fingers (RBR) protein family. <i>Genome Biology</i> , 2007 , 8, 209	18.3	97
28	Liquid chromatography coupled to tandem mass spectrometry (LC-MS/MS) determination of phase II metabolites of the mycotoxin zearalenone in the model plant Arabidopsis thaliana. <i>Food Additives and Contaminants</i> , 2006 , 23, 1194-200		88
27	Exploring the ESCRTing machinery in eukaryotes. <i>Trends in Plant Science</i> , 2006 , 11, 115-23	13.1	147
26	Transcriptome analysis of bud burst in sessile oak (<i>Quercus petraea</i>). <i>New Phytologist</i> , 2006 , 170, 723-389.8		99
25	AtEXO70A1, a member of a family of putative exocyst subunits specifically expanded in land plants, is important for polar growth and plant development. <i>Plant Journal</i> , 2006 , 48, 54-72	6.9	206
24	An Arabidopsis endo-1,4-beta-D-glucanase involved in cellulose synthesis undergoes regulated intracellular cycling. <i>Plant Cell</i> , 2005 , 17, 3378-89	11.6	105
23	The Arabidopsis microtubule-associated protein AtMAP65-1: molecular analysis of its microtubule bundling activity. <i>Plant Cell</i> , 2004 , 16, 2035-47	11.6	174
22	The plant microtubule-associated protein AtMAP65-3/PLE is essential for cytokinetic phragmoplast function. <i>Current Biology</i> , 2004 , 14, 412-7	6.3	162
21	PROPORZ1, a putative Arabidopsis transcriptional adaptor protein, mediates auxin and cytokinin signals in the control of cell proliferation. <i>Current Biology</i> , 2003 , 13, 837-42	6.3	94
20	APL regulates vascular tissue identity in Arabidopsis. <i>Nature</i> , 2003 , 426, 181-6	50.4	342
19	Identification and characterization of the ARIADNE gene family in Arabidopsis. A group of putative E3 ligases. <i>Plant Physiology</i> , 2003 , 131, 27-40	6.6	42
18	Evaluation of a homemade SYBR green I reaction mixture for real-time PCR quantification of gene expression. <i>BioTechniques</i> , 2002 , 32, 790-2, 794-6	2.5	132
17	Two new loci, PLEIADE and HYADE, implicate organ-specific regulation of cytokinesis in Arabidopsis. <i>Plant Physiology</i> , 2002 , 130, 312-24	6.6	44
16	Trichome distribution in Arabidopsis thaliana and its close relative Arabidopsis lyrata: molecular analysis of the candidate gene GLABROUS1. <i>Molecular Biology and Evolution</i> , 2001 , 18, 1754-63	8.3	99

15	Cloning and expression of cDNAs encoding alpha1,3-fucosyltransferase homologues from <i>Arabidopsis thaliana</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2001 , 1527, 88-96	4	68
14	Histochemical analysis of root meristem activity in <i>Arabidopsis thaliana</i> using a cyclin:GUS (βglucuronidase) marker line 2001 , 3-12		
13	Post-transcriptional control of the <i>Arabidopsis</i> auxin efflux carrier EIR1 requires AXR1. <i>Current Biology</i> , 2000 , 10, 1595-8	6.3	105
12	The SHORT-ROOT gene controls radial patterning of the <i>Arabidopsis</i> root through radial signaling. <i>Cell</i> , 2000 , 101, 555-67	56.2	809
11	Histochemical analysis of root meristem activity in <i>Arabidopsis thaliana</i> using a cyclin:GUS (βglucuronidase) marker line. <i>Plant and Soil</i> , 2000 , 226, 1-10	4.2	21
10	Nonradioactive labeling of large DNA fragments for genome walking, RFLP and northern blot analysis. <i>BioTechniques</i> , 1999 , 27, 314-20	2.5	4
9	Generation of co-dominant PCR-based markers by duplex analysis on high resolution gels. <i>Plant Journal</i> , 1998 , 16, 117-25	6.9	45
8	Characterization of the signal recognition particle (SRP) RNA population of tomato (<i>Lycopersicon esculentum</i>). <i>Plant Molecular Biology</i> , 1995 , 27, 669-80	4.6	14
7	The SABRE gene is required for normal cell expansion in <i>Arabidopsis</i> . <i>Genes and Development</i> , 1995 , 9, 330-40	12.6	63
6	Comparative evolutionary analysis of rDNA ITS regions in <i>Drosophila</i> . <i>Molecular Biology and Evolution</i> , 1994 , 11, 513-22	8.3	185
5	Genetic Regulation of Root Expansion in <i>Arabidopsis Thaliana</i> 1994 , 31-40		1
4	Uptake of Alkaloids by Latex Vesicles and Isolated Mesophyll Vacuoles of <i>Chelidonium ntajus</i> (Papaveraceae). <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1990 , 45, 949-957	1.7	20
3	Cellular and Subcellular Localization of Peroxidase Isoenzymes in Plants and Cell Suspension Cultures from <i>Lupinus polyphyllus</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1989 , 44, 931-936	1.7	20
2	Sporophytes and Male Gametophytes from in Vitro Cultured, Immature Tobacco Pollen 1988 , 137-142		37
1	The Plant Glycosyltransferase Family GT64: In Search of a Function285-303		0