Marie-Theres Hauser

List of Publications by Year
in descending order

67 papers	6,273 citations	101543 36 h-index	110387 64 g-index
69 all docs	69 docs citations	69 times ranked	9964 citing authors

#	Article	IF	Citations
1	The outer influences the inner: Postharvest UV-B irradiation modulates peach flesh metabolome although shielded by the skin. Food Chemistry, 2021, 338, 127782.	8.2	24
2	A trimeric CrRLK1L-LLG1 complex genetically modulates SUMM2-mediated autoimmunity. Nature Communications, 2020, 11, 4859.	12.8	28
3	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. Frontiers in Plant Science, 2020, 11, 579063.	3.6	14
4	Zearalenone and ÃŸ-Zearalenol But Not Their Glucosides Inhibit Heat Shock Protein 90 ATPase Activity. Frontiers in Pharmacology, 2019, 10, 1160.	3.5	5
5	UV-B exposure reduces the activity of several cell wall-dismantling enzymes and affects the expression of their biosynthetic genes in peach fruit (Prunus persica L., cv. Fairtime, melting) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	3.8	16
6	Involvement of the eIF2Î± Kinase GCN2 in UV-B Responses. Frontiers in Plant Science, 2019, 10, 1492.	3.6	13
7	Comparative â€œphenol-omicsâ€•and gene expression analyses in peach (Prunus persica) skin in response to different postharvest UV-B treatments. Plant Physiology and Biochemistry, 2019, 135, 511-519.	5.8	34
8	Arabidopsis ILITHYIA protein is necessary for proper chloroplast biogenesis and root development independent of eIF2Î± phosphorylation. Journal of Plant Physiology, 2018, 224-225, 173-182.	3.5	22
9	Post-harvest UV-B radiation modulates metabolite profile in peach fruit. Postharvest Biology and Technology, 2018, 139, 127-134.	6.0	47
10	Root hair abundance impacts cadmium accumulation in Arabidopsis thaliana shoots. Annals of Botany, 2018, 122, 903-914.	2.9	17
11	Dual localized kinesinâ€12 <scp>POK</scp> 2 plays multiple roles during cell division and interacts with <scp>MAP</scp> 65â€3. EMBO Reports, 2018, 19, .	4.5	35
12	Multiplex mutagenesis of four clustered CrRLK1L with CRISPR/Cas9 exposes their growth regulatory roles in response to metal ions. Scientific Reports, 2018, 8, 12182.	3.3	61
13	Plant Cytokinesis: Terminology for Structures and Processes. Trends in Cell Biology, 2017, 27, 885-894.	7.9	155
14	T-DNA alleles of the receptor kinase THESEUS1 with opposing effects on cell wall integrity signaling. Journal of Experimental Botany, 2017, 68, 4583-4593.	4.8	60
15	Role of CrRLK1L Cell Wall Sensors HERCULES1 and 2, THESEUS1, and FERONIA in Growth Adaptation Triggered by Heavy Metals and Trace Elements. Frontiers in Plant Science, 2017, 8, 1554.	3.6	50
16	Waterproofing in Arabidopsis: Following Phenolics and Lipids In situ by Confocal Raman Microscopy. Frontiers in Chemistry, 2016, 4, 10.	3.6	58
17	Cell cycleâ€regulated <scp>PLEIADE</scp>/At<scp>MAP</scp>65â€3 links membrane and microtubule dynamics during plant cytokinesis. Plant Journal, 2016, 88, 531-541.	5.7	29
18	The Membrane-Associated Sec1/Munc18 KEULE is Required for Phragmoplast Microtubule Reorganization During Cytokinesis in Arabidopsis. Molecular Plant, 2016, 9, 528-540.	8.3	33

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19	UV-B induction of the E3 ligase ARIADNE12 depends on CONSTITUTIVELY PHOTOMORPHOGENIC 1. Plant Physiology and Biochemistry, 2015, 93, 18-28.	5.8	12
20	There is nothing new under the sun. Plant Physiology and Biochemistry, 2015, 93, 1-2.	5.8	2
21	Transcriptional repression by <scp>MYB</scp> 3R proteins regulates plant organ growth. EMBO Journal, 2015, 34, 1992-2007.	7.8	128
22	Molecular basis of natural variation and environmental control of trichome patterning. Frontiers in Plant Science, 2014, 5, 320.	3.6	107
23	Expression of zinc and cadmium responsive genes in leaves of willow (Salix caprea L.) genotypes with different accumulation characteristics. Environmental Pollution, 2013, 178, 121-127.	7.5	47
24	Induction ofARI12upon broad band UV-B radiation is suppressed by UVR8 and cryptochromes. Plant Signaling and Behavior, 2012, 7, 1411-1414.	2.4	4
25	Interactome of the Plant-specific ESCRT-III Component AtVPS2.2 in Arabidopsis thaliana. Journal of Proteome Research, 2012, 11, 397-411.	3.7	26
26	CHITINASE-LIKE1/POM-POM1 and Its Homolog CTL2 Are Glucan-Interacting Proteins Important for Cellulose Biosynthesis in Arabidopsis. Plant Cell, 2012, 24, 589-607.	6.6	158
27	Cracking the elusive alignment hypothesis: the microtubuleâ€“cellulose synthase nexus unraveled. Trends in Plant Science, 2012, 17, 666-674.	8.8	106
28	POM-POM2/CELLULOSE SYNTHASE INTERACTING1 Is Essential for the Functional Association of Cellulose Synthase and Microtubules inArabidopsisÂ Â. Plant Cell, 2012, 24, 163-177.	6.6	252
29	UVâ€B signaling pathways and fluence rate dependent transcriptional regulation of ARIADNE12. Physiologia Plantarum, 2012, 145, 527-539.	5.2	34
30	UV responses of Lolium perenne raised along a latitudinal gradient across Europe: a filtration study. Physiologia Plantarum, 2012, 145, 604-618.	5.2	17
31	Root anatomy and element distribution vary between two Salix caprea isolates with different Cd accumulation capacities. Environmental Pollution, 2012, 163, 117-126.	7.5	121
32	Transgenerational epigenetic inheritance in plants. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2011, 1809, 459-468.	1.9	250
33	The Arabidopsis Deubiquitinating Enzyme AMSH3 Interacts with ESCRT-III Subunits and Regulates Their Localization Â. Plant Cell, 2011, 23, 3026-3040.	6.6	87
34	Differentiation of metallicolous and nonâ€metallicolous Salix caprea populations based on phenotypic characteristics and nuclear microsatellite (SSR) markers. Plant, Cell and Environment, 2010, 33, 1641-1655.	5.7	32
35	Transgenerational Inheritance and Resetting of Stress-Induced Loss of Epigenetic Gene Silencing in Arabidopsis. Molecular Plant, 2010, 3, 594-602.	8.3	253
36	A Single Amino Acid Replacement in ETC2 Shapes Trichome Patterning in Natural Arabidopsis Populations. Current Biology, 2009, 19, 1747-1751.	3.9	38

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37	3rd International Symposium on Fusarium Head Blight, Session 4: Pathogenesis and Plant Pathology, Poster presentations. Cereal Research Communications, 2008, 36, 471-551.	1.6	1
38	The ring between ring fingers (RBR) protein family. Genome Biology, 2007, 8, 209.	9.6	108
39	MODULATOR OF PIN genes control steadyâ€state levels of Arabidopsis PIN proteins. Plant Journal, 2007, 51, 537-550.	5.7	22
40	Short review: Metabolism of theFusarium mycotoxins deoxynivalenol and zearalenone in plants. Mycotoxin Research, 2007, 23, 68-72.	2.3	31
41	Liquid chromatography coupled to tandem mass spectrometry (LC-MS/MS) determination of phase II metabolites of the mycotoxin zearalenone in the model plantArabidopsis thaliana. Food Additives and Contaminants, 2006, 23, 1194-1200.	2.0	98
42	Exploring the ESCRTing machinery in eukaryotes. Trends in Plant Science, 2006, 11, 115-123.	8.8	187
43	Transcriptome analysis of bud burst in sessile oak (Quercus petraea). New Phytologist, 2006, 170, 723-738.	7.3	116
44	AtEXO70A1, a member of a family of putative exocyst subunits specifically expanded in land plants, is important for polar growth and plant development. Plant Journal, 2006, 48, 54-72.	5.7	234
45	An Arabidopsis Endo-1,4-Î²-d-Glucanase Involved in Cellulose Synthesis Undergoes Regulated Intracellular Cycling[W]. Plant Cell, 2005, 17, 3378-3389.	6.6	114
46	The Arabidopsis Microtubule-Associated Protein AtMAP65-1: Molecular Analysis of Its Microtubule Bundling Activity. Plant Cell, 2004, 16, 2035-2047.	6.6	199
47	The Plant Microtubule-Associated Protein AtMAP65-3/PLE Is Essential for Cytokinetic Phragmoplast Function. Current Biology, 2004, 14, 412-417.	3.9	194
48	PROPORZ1, a Putative Arabidopsis Transcriptional Adaptor Protein, Mediates Auxin and Cytokinin Signals in the Control of Cell Proliferation. Current Biology, 2003, 13, 837-842.	3.9	100
49	APL regulates vascular tissue identity in Arabidopsis. Nature, 2003, 426, 181-186.	27.8	425
50	Identification and Characterization of the ARIADNEGene Family in Arabidopsis. A Group of Putative E3 Ligases. Plant Physiology, 2003, 131, 27-40.	4.8	45
51	Two New Loci, PLEIADE and HYADE, Implicate Organ-Specific Regulation of Cytokinesis in Arabidopsis. Plant Physiology, 2002, 130, 312-324.	4.8	50
52	Evaluation of a Homemade SYBR^{Â®} Green I Reaction Mixture for Real-Time PCR Quantification of Gene Expression. BioTechniques, 2002, 32, 790-796.	1.8	148
53	Cloning and expression of cDNAs encoding Î±1,3-fucosyltransferase homologues from Arabidopsis thaliana1The cDNA sequences referred to in this publication have been deposited with the EMBL database under the numbers AJ404860 (FucTA), AJ404861 (FucTB) and AJ404862 (FucTC).1. Biochimica Et Biophysica Acta - General Subjects, 2001, 1527, 88-96.	2.4	77
54	Trichome Distribution in Arabidopsis thaliana and its Close Relative Arabidopsis lyrata: Molecular Analysis of the Candidate Gene GLABROUS1. Molecular Biology and Evolution, 2001, 18, 1754-1763.	8.9	111

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55	Histochemical analysis of root meristem activity in Arabidopsis thaliana using a cyclin:GUS (Î²-glucuronidase) marker line. , 2001, , 3-12.		0
56	Post-transcriptional control of the Arabidopsis auxin efflux carrier EIR1 requires AXR1. Current Biology, 2000, 10, 1595-1598.	3.9	116
57	The SHORT-ROOT Gene Controls Radial Patterning of the Arabidopsis Root through Radial Signaling. Cell, 2000, 101, 555-567.	28.9	1,007
58	Title is missing!. Plant and Soil, 2000, 226, 1-10.	3.7	24
59	Nonradioactive Labeling of Large DNA Fragments for Genome Walking, RFLP and Northern Blot Analysis. BioTechniques, 1999, 27, 314-320.	1.8	5
60	Generation of co-dominant PCR-based markers by duplex analysis on high resolution gels. Plant Journal, 1998, 16, 117-125.	5.7	46
61	Characterization of the signal recognition particle (SRP) RNA population of tomato (Lycopersicon) Tj ETQq1 1 0.784314 rgBT /Overlo	3.9	16
62	The SABRE gene is required for normal cell expansion in Arabidopsis.. Genes and Development, 1995, 9, 330-340.	5.9	72
63	Comparative evolutionary analysis of rDNA ITS regions in Drosophila.. Molecular Biology and Evolution, 1994, 11, 513-22.	8.9	261
64	Genetic Regulation of Root Expansion in Arabidopsis Thaliana. , 1994, , 31-40.		1
65	Uptake of Alkaloids by Latex Vesicles and Isolated Mesophyll Vacuoles of Chelidonium ntajus (Papaveraceae). Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1990, 45, 949-957.	1.4	23
66	Cellular and Subcellular Localization of Peroxidase Isoenzymes in Plants and Cell Suspension Cultures from Lupinus polyphyllus. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1989, 44, 931-936.	1.4	20
67	Sporophytes and Male Gametophytes from in Vitro Cultured, Immature Tobacco Pollen. , 1988, , 137-142.		44