

# Marie-Theres Hauser

## List of Publications by Year in descending order

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67  
papers

6,273  
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101543

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110387

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all docs

69  
docs citations

69  
times ranked

9964  
citing authors

#	ARTICLE	IF	CITATIONS
1	The SHORT-ROOT Gene Controls Radial Patterning of the Arabidopsis Root through Radial Signaling. <i>Cell</i> , 2000, 101, 555-567.	28.9	1,007
2	APL regulates vascular tissue identity in Arabidopsis. <i>Nature</i> , 2003, 426, 181-186.	27.8	425
3	Comparative evolutionary analysis of rDNA ITS regions in <i>Drosophila</i> . <i>Molecular Biology and Evolution</i> , 1994, 11, 513-22.	8.9	261
4	Transgenerational Inheritance and Resetting of Stress-Induced Loss of Epigenetic Gene Silencing in Arabidopsis. <i>Molecular Plant</i> , 2010, 3, 594-602.	8.3	253
5	POM-POM2/CELLULOSE SYNTHASE INTERACTING1 Is Essential for the Functional Association of Cellulose Synthase and Microtubules in Arabidopsis. <i>Plant Cell</i> , 2012, 24, 163-177.	6.6	252
6	Transgenerational epigenetic inheritance in plants. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2011, 1809, 459-468.	1.9	250
7	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.	5.7	234
8	The Arabidopsis Microtubule-Associated Protein AtMAP65-1: Molecular Analysis of Its Microtubule Bundling Activity. <i>Plant Cell</i> , 2004, 16, 2035-2047.	6.6	199
9	The Plant Microtubule-Associated Protein AtMAP65-3/PLE Is Essential for Cytokinetic Phragmoplast Function. <i>Current Biology</i> , 2004, 14, 412-417.	3.9	194
10	Exploring the ESCRTing machinery in eukaryotes. <i>Trends in Plant Science</i> , 2006, 11, 115-123.	8.8	187
11	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.	6.6	158
12	Plant Cytokinesis: Terminology for Structures and Processes. <i>Trends in Cell Biology</i> , 2017, 27, 885-894.	7.9	155
13	Evaluation of a Homemade SYBR Green I Reaction Mixture for Real-Time PCR Quantification of Gene Expression. <i>BioTechniques</i> , 2002, 32, 790-796.	1.8	148
14	Transcriptional repression by MYB 3R proteins regulates plant organ growth. <i>EMBO Journal</i> , 2015, 34, 1992-2007.	7.8	128
15	Root anatomy and element distribution vary between two <i>Salix caprea</i> isolates with different Cd accumulation capacities. <i>Environmental Pollution</i> , 2012, 163, 117-126.	7.5	121
16	Post-transcriptional control of the Arabidopsis auxin efflux carrier EIR1 requires AXR1. <i>Current Biology</i> , 2000, 10, 1595-1598.	3.9	116
17	Transcriptome analysis of bud burst in sessile oak ( <i>Quercus petraea</i> ). <i>New Phytologist</i> , 2006, 170, 723-738.	7.3	116
18	An Arabidopsis Endo-1,4-β-d-Glucanase Involved in Cellulose Synthesis Undergoes Regulated Intracellular Cycling[W]. <i>Plant Cell</i> , 2005, 17, 3378-3389.	6.6	114

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19	Trichome Distribution in <i>Arabidopsis thaliana</i> and its Close Relative <i>Arabidopsis lyrata</i> : Molecular Analysis of the Candidate Gene <i>GLABROUS1</i> . <i>Molecular Biology and Evolution</i> , 2001, 18, 1754-1763.	8.9	111
20	The ring between ring fingers (RBR) protein family. <i>Genome Biology</i> , 2007, 8, 209.	9.6	108
21	Molecular basis of natural variation and environmental control of trichome patterning. <i>Frontiers in Plant Science</i> , 2014, 5, 320.	3.6	107
22	Cracking the elusive alignment hypothesis: the microtubule-cellulose synthase nexus unraveled. <i>Trends in Plant Science</i> , 2012, 17, 666-674.	8.8	106
23	PROPORZ1, a Putative <i>Arabidopsis</i> Transcriptional Adaptor Protein, Mediates Auxin and Cytokinin Signals in the Control of Cell Proliferation. <i>Current Biology</i> , 2003, 13, 837-842.	3.9	100
24	Liquid chromatography coupled to tandem mass spectrometry (LC-MS/MS) determination of phase II metabolites of the mycotoxin zearalenone in the model plant <i>Arabidopsis thaliana</i> . <i>Food Additives and Contaminants</i> , 2006, 23, 1194-1200.	2.0	98
25	The <i>Arabidopsis</i> Deubiquitinating Enzyme <i>AMSH3</i> Interacts with ESCRT-III Subunits and Regulates Their Localization. <i>Plant Cell</i> , 2011, 23, 3026-3040.	6.6	87
26	Cloning and expression of cDNAs encoding $\beta$ -1,3-fucosyltransferase homologues from <i>Arabidopsis thaliana</i> . The cDNA sequences referred to in this publication have been deposited with the EMBL database under the numbers AJ404860 ( <i>FucTA</i> ), AJ404861 ( <i>FucTB</i> ) and AJ404862 ( <i>FucTC</i> ). <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2001, 1527, 88-96.	2.4	77
27	The <i>SABRE</i> gene is required for normal cell expansion in <i>Arabidopsis</i> . <i>Genes and Development</i> , 1995, 9, 330-340.	5.9	72
28	Multiplex mutagenesis of four clustered <i>CrRLK1L</i> with CRISPR/Cas9 exposes their growth regulatory roles in response to metal ions. <i>Scientific Reports</i> , 2018, 8, 12182.	3.3	61
29	T-DNA alleles of the receptor kinase <i>THESEUS1</i> with opposing effects on cell wall integrity signaling. <i>Journal of Experimental Botany</i> , 2017, 68, 4583-4593.	4.8	60
30	Waterproofing in <i>Arabidopsis</i> : Following Phenolics and Lipids In situ by Confocal Raman Microscopy. <i>Frontiers in Chemistry</i> , 2016, 4, 10.	3.6	58
31	Two New Loci, <i>PLEIADE</i> and <i>HYADE</i> , Implicate Organ-Specific Regulation of Cytokinesis in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2002, 130, 312-324.	4.8	50
32	Role of <i>CrRLK1L</i> Cell Wall Sensors <i>HERCULES1</i> and 2, <i>THESEUS1</i> , and <i>FERONIA</i> in Growth Adaptation Triggered by Heavy Metals and Trace Elements. <i>Frontiers in Plant Science</i> , 2017, 8, 1554.	3.6	50
33	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, 121-127.	7.5	47
34	Post-harvest UV-B radiation modulates metabolite profile in peach fruit. <i>Postharvest Biology and Technology</i> , 2018, 139, 127-134.	6.0	47
35	Generation of co-dominant PCR-based markers by duplex analysis on high resolution gels. <i>Plant Journal</i> , 1998, 16, 117-125.	5.7	46
36	Identification and Characterization of the <i>ARIADNE</i> Gene Family in <i>Arabidopsis</i> . A Group of Putative E3 Ligases. <i>Plant Physiology</i> , 2003, 131, 27-40.	4.8	45

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37	Sporophytes and Male Gametophytes from in Vitro Cultured, Immature Tobacco Pollen. , 1988, , 137-142.		44
38	A Single Amino Acid Replacement in ETC2 Shapes Trichome Patterning in Natural Arabidopsis Populations. Current Biology, 2009, 19, 1747-1751.	3.9	38
39	Dual localized kinesinâ€12 <sc>POK</sc> 2 plays multiple roles during cell division and interacts with <sc>MAP</sc> 65â€3. EMBO Reports, 2018, 19, .	4.5	35
40	UVâ€B signaling pathways and fluence rate dependent transcriptional regulation of <i>ARIADNE12</i>. Physiologia Plantarum, 2012, 145, 527-539.	5.2	34
41	Comparative â€œphenol-omicsâ€ and gene expression analyses in peach ( <i>Prunus persica</i> ) skin in response to different postharvest UV-B treatments. Plant Physiology and Biochemistry, 2019, 135, 511-519.	5.8	34
42	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
43	Differentiation of metallicolous and nonâ€metallicolous <i>Salix caprea</i> populations based on phenotypic characteristics and nuclear microsatellite (SSR) markers. Plant, Cell and Environment, 2010, 33, 1641-1655.	5.7	32
44	Short review: Metabolism of the <i>Fusarium</i> mycotoxins deoxynivalenol and zearalenone in plants. Mycotoxin Research, 2007, 23, 68-72.	2.3	31
45	Cell cycleâ€regulated <sc>PLEIADE</sc>/At<sc>MAP</sc>65â€3 links membrane and microtubule dynamics during plant cytokinesis. Plant Journal, 2016, 88, 531-541.	5.7	29
46	A trimeric CrRLK1L-LLG1 complex genetically modulates SUMM2-mediated autoimmunity. Nature Communications, 2020, 11, 4859.	12.8	28
47	Interactome of the Plant-specific ESCRT-III Component AtVPS2.2 in <i>Arabidopsis thaliana</i>. Journal of Proteome Research, 2012, 11, 397-411.	3.7	26
48	Title is missing!. Plant and Soil, 2000, 226, 1-10.	3.7	24
49	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
50	Uptake of Alkaloids by Latex Vesicles and Isolated Mesophyll Vacuoles of <i>Chelidonium ntajus</i> (Papaveraceae). Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1990, 45, 949-957.	1.4	23
51	<i>MODULATOR OF PIN</i> genes control steadyâ€state levels of Arabidopsis PIN proteins. Plant Journal, 2007, 51, 537-550.	5.7	22
52	Arabidopsis ILITHYIA protein is necessary for proper chloroplast biogenesis and root development independent of eIF21± phosphorylation. Journal of Plant Physiology, 2018, 224-225, 173-182.	3.5	22
53	Cellular and Subcellular Localization of Peroxidase Isoenzymes in Plants and Cell Suspension Cultures from <i>Lupinus polyphyllus</i> . Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1989, 44, 931-936.	1.4	20
54	UV responses of <i>Lolium perenne</i> raised along a latitudinal gradient across Europe: a filtration study. Physiologia Plantarum, 2012, 145, 604-618.	5.2	17

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55	Root hair abundance impacts cadmium accumulation in Arabidopsis thaliana shoots. Annals of Botany, 2018, 122, 903-914.	2.9	17
56	Characterization of the signal recognition particle (SRP) RNA population of tomato (Lycopersicon) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	3.9	16
57	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 28BT/Overlock 10 Tf 50	3.8	16
58	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
59	Involvement of the eIF2Î± Kinase GCN2 in UV-B Responses. Frontiers in Plant Science, 2019, 10, 1492.	3.6	13
60	UV-B induction of the E3 ligase ARIADNE12 depends on CONSTITUTIVELY PHOTOMORPHOGENIC 1. Plant Physiology and Biochemistry, 2015, 93, 18-28.	5.8	12
61	Nonradioactive Labeling of Large DNA Fragments for Genome Walking, RFLP and Northern Blot Analysis. BioTechniques, 1999, 27, 314-320.	1.8	5
62	Zearalenone and Zearalenol But Not Their Glucosides Inhibit Heat Shock Protein 90 ATPase Activity. Frontiers in Pharmacology, 2019, 10, 1160.	3.5	5
63	Induction ofARI12upon broad band UV-B radiation is suppressed by UVR8 and cryptochromes. Plant Signaling and Behavior, 2012, 7, 1411-1414.	2.4	4
64	There is nothing new under the sun. Plant Physiology and Biochemistry, 2015, 93, 1-2.	5.8	2
65	Genetic Regulation of Root Expansion in Arabidopsis Thaliana. , 1994, , 31-40.		1
66	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
67	Histochemical analysis of root meristem activity in Arabidopsis thaliana using a cyclin:GUS (Î²-glucuronidase) marker line. , 2001, , 3-12.		0