Judith Felten

List of Publications by Year
in descending order

21 papers	1,446 citations	687220 13 h-index	642610 23 g-index
27 all docs	27 docs citations	27 times ranked	2261 citing authors

#	Article	IF	Citations
1	ArabidopsisÂWAT1 is a vacuolar auxin transport facilitator required for auxin homoeostasis. Nature Communications, 2013, 4, 2625.	5.8	249
2	Vibrational spectroscopic image analysis of biological material using multivariate curve resolutionâ€“alternating least squares (MCR-ALS). Nature Protocols, 2015, 10, 217-240.	5.5	248
3	The Ectomycorrhizal FungusLaccaria bicolorStimulates Lateral Root Formation in Poplar and Arabidopsis through Auxin Transport and Signaling. Plant Physiology, 2009, 151, 1991-2005.	2.3	244
4	Volatile signalling by sesquiterpenes from ectomycorrhizal fungi reprogrammes root architecture. Nature Communications, 2015, 6, 6279.	5.8	211
5	A genomeâ€wide screen for ethyleneâ€induced Ethylene Response Factors (<scp>ERF</scp>s) in hybrid aspen stem identifies <scp>ERF</scp> genes that modify stem growth and wood properties. New Phytologist, 2013, 200, 511-522.	3.5	90
6	Development of the Poplar-Laccaria bicolor Ectomycorrhiza Modifies Root Auxin Metabolism, Signaling, and Response. Plant Physiology, 2015, 169, 890-902.	2.3	70
7	Ethylene signaling induces gelatinous layers with typical features of tension wood in hybrid aspen. New Phytologist, 2018, 218, 999-1014.	3.5	52
8	An <scp>AP</scp>2/<scp>ERF</scp> transcription factor <scp>ERF</scp>139 coordinates xylem cell expansion and secondary cell wall deposition. New Phytologist, 2019, 224, 1585-1599.	3.5	49
9	Ethylene-Related Gene Expression Networks in Wood Formation. Frontiers in Plant Science, 2018, 9, 272.	1.7	48
10	Lateral root stimulation in the early interaction betweenArabidopsis thalianaand the ectomycorrhizal fungusLaccaria bicolor. Plant Signaling and Behavior, 2010, 5, 864-867.	1.2	45
11	Biology, Chemistry and Structure of Tension Wood. Plant Cell Monographs, 2013, , 203-224.	0.4	25
12	Signalling in Ectomycorrhizal Symbiosis. Signaling and Communication in Plants, 2012, , 123-142.	0.5	19
13	Ethylene Signaling Is Required for Fully Functional Tension Wood in Hybrid Aspen. Frontiers in Plant Science, 2019, 10, 1101.	1.7	14
14	The mycorrhizal tragedy of the commons. Ecology Letters, 2021, 24, 1215-1224.	3.0	13
15	WAT1 (WALLS ARE THIN1) defines a novel auxin transporter in plants and integrates auxin signaling in secondary wall formation in Arabidopsis fibers. BMC Proceedings, 2011, 5, O24.	1.8	11
16	PopulusPtERF85 Balances Xylem Cell Expansion and Secondary Cell Wall Formation in Hybrid Aspen. Cells, 2021, 10, 1971.	1.8	11
17	Fluorescence Lifetime Imaging as an In Situ and Label-Free Readout for the Chemical Composition of Lignin. ACS Sustainable Chemistry and Engineering, 2021, 9, 17381-17392.	3.2	9
18	Fluorescent protein expression in the ectomycorrhizal fungus Laccaria bicolor: a plasmid toolkit for easy use of fluorescent markers in basidiomycetes. Current Genetics, 2020, 66, 791-811.	0.8	7

#	Article	IF	Citations
19	Laccaria bicolor pectin methylesterases are involved in ectomycorrhiza development with Populus tremula Ã— Populus tremuloides. New Phytologist, 2022, 236, 639-655.	3.5	7
20	Novel Microdialysis Technique Reveals a Dramatic Shift in Metabolite Secretion during the Early Stages of the Interaction between the Ectomycorrhizal Fungus Pisolithus microcarpus and Its Host Eucalyptus grandis. Microorganisms, 2021, 9, 1817.	1.6	6
21	Ethylene signaling via Ethylene Response Factors (ERFs) modifies wood development in hybrid aspen. BMC Proceedings, 2011, 5, .	1.8	5