Wolf-RÃ¼diger Scheible

List of Publications by Year
in descending order

29 papers	9,879 citations	279487 23 h-index	476904 29 g-index
32 all docs	32 docs citations	32 times ranked	12102 citing authors

#	Article	IF	Citations
1	Genome-Wide Identification and Testing of Superior Reference Genes for Transcript Normalization in Arabidopsis. Plant Physiology, 2005, 139, 5-17.	2.3	2,835
2	PHO2, MicroRNA399, and PHR1 Define a Phosphate-Signaling Pathway in Plants. Plant Physiology, 2006, 141, 988-999.	2.3	1,021
3	Genome-Wide Reprogramming of Primary and Secondary Metabolism, Protein Synthesis, Cellular Growth Processes, and the Regulatory Infrastructure of Arabidopsis in Response to Nitrogen. Plant Physiology, 2004, 136, 2483-2499.	2.3	926
4	Opportunities for improving phosphorusâ€use efficiency in crop plants. New Phytologist, 2012, 195, 306-320.	3.5	702
5	Sugars and Circadian Regulation Make Major Contributions to the Global Regulation of Diurnal Gene Expression in Arabidopsis Â. Plant Cell, 2005, 17, 3257-3281.	3.1	608
6	Eleven Golden Rules of Quantitative RT-PCR. Plant Cell, 2008, 20, 1736-1737.	3.1	580
7	Genome-wide reprogramming of metabolism and regulatory networks of Arabidopsis in response to phosphorus. Plant, Cell and Environment, 2007, 30, 85-112.	2.8	533
8	Identification of Nutrient-Responsive Arabidopsis and Rapeseed MicroRNAs by Comprehensive Real-Time Polymerase Chain Reaction Profiling and Small RNA Sequencing Â Â Â. Plant Physiology, 2009, 150, 1541-1555.	2.3	414
9	Endogenous Arabidopsis messenger RNAs transported to distant tissues. Nature Plants, 2015, 1, 15025.	4.7	331
10	Glycosyltransferases and cell wall biosynthesis: novel players and insights. Current Opinion in Plant Biology, 2004, 7, 285-295.	3.5	258
11	Phospholipase C5 (NPC5) is involved in galactolipid accumulation during phosphate limitation in leaves of Arabidopsis. Plant Journal, 2008, 56, 28-39.	2.8	229
12	Proteaceae from severely phosphorusâ€impoverished soils extensively replace phospholipids with galactolipids and sulfolipids during leaf development to achieve a high photosynthetic phosphorusâ€useâ€efficiency. New Phytologist, 2012, 196, 1098-1108.	3.5	225
13	Identification of primary and secondary metabolites with phosphorus statusâ€dependent abundance in <scp><i>A</i></scp><i>rabidopsis</i>, and of the transcription factor <scp>PHR</scp>1 as a major regulator of metabolic changes during phosphorus limitation. Plant, Cell and Environment, 2015, 38, 172-187.	2.8	196
14	An Arabidopsis Mutant Resistant to Thaxtomin A, a Cellulose Synthesis Inhibitor from Streptomyces Species[W]. Plant Cell, 2003, 15, 1781-1794.	3.1	177
15	The transcription factor PHR1 regulates lipid remodeling and triacylglycerol accumulation in Arabidopsis thaliana during phosphorus starvation. Journal of Experimental Botany, 2015, 66, 1907-1918.	2.4	146
16	Nitrate Acts as a Signal to Induce Organic Acid Metabolism and Repress Starch Metabolism in Tobacco. Plant Cell, 1997, 9, 783.	3.1	132
17	A community resource for high-throughput quantitative RT-PCR analysis of transcription factor gene expression in Medicago truncatula. Plant Methods, 2008, 4, 18.	1.9	120
18	Genome-Wide Identification of <i>Medicago</i> Peptides Involved in Macronutrient Responses and Nodulation. Plant Physiology, 2017, 175, 1669-1689.	2.3	101

#	Article	IF	Citations
19	Transcriptome and metabolome analysis of plant sulfate starvation and resupply provides novel information on transcriptional regulation of metabolism associated with sulfur, nitrogen and phosphorus nutritional responses in Arabidopsis. Frontiers in Plant Science, 2014, 5, 805.	1.7	96
20	Expression of Sucrose Transporter cDNAs Specifically in Companion Cells Enhances Phloem Loading and Long-Distance Transport of Sucrose but Leads to an Inhibition of Growth and the Perception of a Phosphate Limitation Â Â. Plant Physiology, 2014, 165, 715-731.	2.3	72
21	MtSSPdb: The <i>Medicago truncatula</i> Small Secreted Peptide Database. Plant Physiology, 2020, 183, 399-413.	2.3	40
22	Lipid Biosynthesis and Protein Concentration Respond Uniquely to Phosphate Supply during Leaf Development in Highly Phosphorus-Efficient <i>Hakea prostrata</i>. Plant Physiology, 2014, 166, 1891-1911.	2.3	38
23	Small peptide signaling pathways modulating macronutrient utilization in plants. Current Opinion in Plant Biology, 2017, 39, 31-39.	3.5	28
24	Transcriptional, metabolic, physiological and developmental responses of switchgrass to phosphorus limitation. Plant, Cell and Environment, 2021, 44, 186-202.	2.8	27
25	Identification and Functional Investigation of Genomeâ€Encoded, Small, Secreted Peptides in Plants. Current Protocols in Plant Biology, 2019, 4, e20098.	2.8	15
26	A phosphorusâ€limitation induced, functionally conserved DUF506 protein is a repressor of root hair elongation in plants. New Phytologist, 2022, 233, 1153-1171.	3.5	10
27	Application of Synthetic Peptide CEP1 Increases Nutrient Uptake Rates Along Plant Roots. Frontiers in Plant Science, 2021, 12, 793145.	1.7	9
28	A novel calmodulinâ€interacting Domain of Unknown Function 506 protein represses root hair elongation in <i>Arabidopsis</i>. Plant, Cell and Environment, 2022, 45, 1796-1812.	2.8	7
29	Spectroscopic analysis reveals that soil phosphorus availability and plant allocation strategies impact feedstock quality of nutrient-limited switchgrass. Communications Biology, 2022, 5, 227.	2.0	1