Uta Paszkowski

List of Publications by Year
in descending order

54 papers	9,495 citations	87888 38 h-index	175258 52 g-index
60 all docs	60 docs citations	60 times ranked	9437 citing authors

#	Article	IF	Citations
1	Visualising an invisible symbiosis. Plants People Planet, 2021, 3, 462-470.	3.3	0
2	How membrane receptors tread the fine balance between symbiosis and immunity signaling. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	7
3	A mycorrhiza-associated receptor-like kinase with an ancient origin in the green lineage. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	15
4	Conditioning plants for arbuscular mycorrhizal symbiosis through DWARF14-LIKE signalling. Current Opinion in Plant Biology, 2021, 62, 102071.	7.1	13
5	Transcriptional activity and epigenetic regulation of transposable elements in the symbiotic fungus <i>Rhizophagus irregularis</i>. Genome Research, 2021, 31, 2290-2302.	5.5	19
6	The negative regulator SMAX1 controls mycorrhizal symbiosis and strigolactone biosynthesis in rice. Nature Communications, 2020, 11, 2114.	12.8	101
7	Receptor-Like Kinases Sustain Symbiotic Scrutiny. Plant Physiology, 2020, 182, 1597-1612.	4.8	34
8	The genetic architecture of host response reveals the importance of arbuscular mycorrhizae to maize cultivation. ELife, 2020, 9, .	6.0	24
9	Mechanisms and Impact of Symbiotic Phosphate Acquisition. Cold Spring Harbor Perspectives in Biology, 2019, 11, a034603.	5.5	53
10	Arbuscular cell invasion coincides with extracellular vesicles and membrane tubules. Nature Plants, 2019, 5, 204-211.	9.3	107
11	Arbuscular mycorrhizal phenotyping: the dos and don'ts. New Phytologist, 2019, 221, 1182-1186.	7.3	23
12	The impact of domestication and crop improvement on arbuscular mycorrhizal symbiosis in cereals: insights from genetics and genomics. New Phytologist, 2018, 220, 1135-1140.	7.3	54
13	Multifaceted Cellular Reprogramming at the Crossroads Between Plant Development and Biotic Interactions. Plant and Cell Physiology, 2018, 59, 651-655.	3.1	9
14	Independent signalling cues underpin arbuscular mycorrhizal symbiosis and large lateral root induction in rice. New Phytologist, 2018, 217, 552-557.	7.3	28
15	A rice Serine/Threonine receptor-like kinase regulates arbuscular mycorrhizal symbiosis at the peri-arbuscular membrane. Nature Communications, 2018, 9, 4677.	12.8	45
16	Mechanisms Underlying Establishment of Arbuscular Mycorrhizal Symbioses. Annual Review of Phytopathology, 2018, 56, 135-160.	7.8	116
17	Blumenols as shoot markers of root symbiosis with arbuscular mycorrhizal fungi. ELife, 2018, 7, .	6.0	69
18	Phosphorus acquisition efficiency in arbuscular mycorrhizal maize is correlated with the abundance of rootâ€external hyphae and the accumulation of transcripts encoding PHT1 phosphate transporters. New Phytologist, 2017, 214, 632-643.	7.3	210

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19	Plant carbon nourishment of arbuscular mycorrhizal fungi. Current Opinion in Plant Biology, 2017, 39, 50-56.	7.1	143
20	An N-acetylglucosamine transporter required for arbuscular mycorrhizal symbioses in rice and maize. Nature Plants, 2017, 3, 17073.	9.3	72
21	Co-ordinated Changes in the Accumulation of Metal Ions in Maize (Zea mays ssp. mays L.) in Response to Inoculation with the Arbuscular Mycorrhizal Fungus Funneliformis mosseae. Plant and Cell Physiology, 2017, 58, 1689-1699.	3.1	27
22	Genetic diversity for mycorrhizal symbiosis and phosphate transporters in rice. Journal of Integrative Plant Biology, 2015, 57, 969-979.	8.5	19
23	Full Establishment of Arbuscular Mycorrhizal Symbiosis in Rice Occurs Independently of Enzymatic Jasmonate Biosynthesis. PLoS ONE, 2015, 10, e0123422.	2.5	41
24	Rice perception of symbiotic arbuscular mycorrhizal fungi requires the karrikin receptor complex. Science, 2015, 350, 1521-1524.	12.6	191
25	Transcriptome diversity among rice root types during asymbiosis and interaction with arbuscular mycorrhizal fungi. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6754-6759.	7.1	99
26	Editorial overview: Biotic interactions: The diverse and dynamic nature of perception and response in plant interactions: from cells to communities. Current Opinion in Plant Biology, 2015, 26, v-viii.	7.1	1
27	Lipid Droplets of Arbuscular Mycorrhizal Fungi Emerge in Concert with Arbuscule Collapse. Plant and Cell Physiology, 2014, 55, 1945-1953.	3.1	41
28	Polyphony in the rhizosphere: presymbiotic communication in arbuscular mycorrhizal symbiosis. Current Opinion in Plant Biology, 2013, 16, 473-479.	7.1	84
29	Genome of an arbuscular mycorrhizal fungus provides insight into the oldest plant symbiosis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20117-20122.	7.1	717
30	Mutation identification by direct comparison of whole-genome sequencing data from mutant and wild-type individuals using k-mers. Nature Biotechnology, 2013, 31, 325-330.	17.5	149
31	Multiple control levels of root system remodeling in arbuscular mycorrhizal symbiosis. Frontiers in Plant Science, 2013, 4, 204.	3.6	121
32	Symbiotic Cooperation in the Biosynthesis of a Phytotoxin. Angewandte Chemie - International Edition, 2012, 51, 9615-9618.	13.8	69
33	Nonredundant Regulation of Rice Arbuscular Mycorrhizal Symbiosis by Two Members of the <i>PHOSPHATE TRANSPORTER1</i> Gene Family. Plant Cell, 2012, 24, 4236-4251.	6.6	306
34	The transcriptome of the arbuscular mycorrhizal fungus <i>Glomus intraradices</i> (DAOM 197198) reveals functional tradeoffs in an obligate symbiont. New Phytologist, 2012, 193, 755-769.	7.3	305
35	The halfâ€size ABC transporters STR1 and STR2 are indispensable for mycorrhizal arbuscule formation in rice. Plant Journal, 2012, 69, 906-920.	5.7	131
36	Phosphate Import at the Arbuscule: Just a Nutrient?. Molecular Plant-Microbe Interactions, 2011, 24, 1296-1299.	2.6	25

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37	Characterizing variation in mycorrhiza effect among diverse plant varieties. Theoretical and Applied Genetics, 2010, 120, 1029-1039.	3.6	57
38	Tissue-Adapted Invasion Strategies of the Rice Blast Fungus <i>Magnaporthe oryzae</i> Â. Plant Cell, 2010, 22, 3177-3187.	6.6	179
39	Reprogramming Plant Cells for Endosymbiosis. Science, 2009, 324, 753-754.	12.6	160
40	<i>Glomus intraradices</i> induces changes in root system architecture of rice independently of common symbiosis signaling. New Phytologist, 2009, 182, 829-837.	7.3	154
41	Weights in the Balance: Jasmonic Acid and Salicylic Acid Signaling in Root-Biotroph Interactions. Molecular Plant-Microbe Interactions, 2009, 22, 763-772.	2.6	148
42	Cereal mycorrhiza: an ancient symbiosis in modern agriculture. Trends in Plant Science, 2008, 13, 93-97.	8.8	194
43	Divergence of Evolutionary Ways Among Common sym Genes: CASTOR and CCaMK Show Functional Conservation Between Two Symbiosis Systems and Constitute the Root of a Common Signaling Pathway. Plant and Cell Physiology, 2008, 49, 1659-1671.	3.1	103
44	The Molecular Components of Nutrient Exchange in Arbuscular Mycorrhizal Interactions. , 2008, , 37-59.		6
45	Arbuscular Mycorrhizaâ€"Specific Signaling in Rice Transcends the Common Symbiosis Signaling Pathway. Plant Cell, 2008, 20, 2989-3005.	6.6	235
46	A journey through signaling in arbuscular mycorrhizal symbioses 2006. New Phytologist, 2006, 172, 35-46.	7.3	132
47	Maize mutants affected at distinct stages of the arbuscular mycorrhizal symbiosis. Plant Journal, 2006, 47, 165-173.	5.7	71
48	Contribution of the arbuscular mycorrhizal symbiosis to heavy metal phytoremediation. Planta, 2006, 223, 1115-1122.	3.2	553
49	Mutualism and parasitism: the yin and yang of plant symbioses. Current Opinion in Plant Biology, 2006, 9, 364-370.	7.1	124
50	Comparative transcriptomics of rice reveals an ancient pattern of response to microbial colonization. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8066-8070.	7.1	368
51	Rice phosphate transporters include an evolutionarily divergent gene specifically activated in arbuscular mycorrhizal symbiosis. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 13324-13329.	7.1	565
52	A Draft Sequence of the Rice Genome (<i>Oryza sativa</i> L. ssp. <i>japonica</i>). Science, 2002, 296, 92-100.	12.6	2,866
53	The growth defect of lrt1 , a maize mutant lacking lateral roots, can be complemented by symbiotic fungi or high phosphate nutrition. Planta, 2002, 214, 584-590.	3.2	65
54	Cytosine methylation inhibits replication of African cassava mosaic virus by two distinct mechanisms. Nucleic Acids Research, 1993, 21, 3445-3450.	14.5	40