

Uta Paszkowski

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	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
3	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
4	Contribution of the arbuscular mycorrhizal symbiosis to heavy metal phytoremediation. Planta, 2006, 223, 1115-1122.	3.2	553
5	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
6	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
7	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
8	Arbuscular Mycorrhiza-Specific Signaling in Rice Transcends the Common Symbiosis Signaling Pathway. Plant Cell, 2008, 20, 2989-3005.	6.6	235
9	Phosphorus acquisition efficiency in arbuscular mycorrhizal maize is correlated with the abundance of root-external hyphae and the accumulation of transcripts encoding PHT1 phosphate transporters. New Phytologist, 2017, 214, 632-643.	7.3	210
10	Cereal mycorrhiza: an ancient symbiosis in modern agriculture. Trends in Plant Science, 2008, 13, 93-97.	8.8	194
11	Rice perception of symbiotic arbuscular mycorrhizal fungi requires the karrikin receptor complex. Science, 2015, 350, 1521-1524.	12.6	191
12	Tissue-Adapted Invasion Strategies of the Rice Blast Fungus <i>Magnaporthe oryzae</i> . Plant Cell, 2010, 22, 3177-3187.	6.6	179
13	Reprogramming Plant Cells for Endosymbiosis. Science, 2009, 324, 753-754.	12.6	160
14	<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
15	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
16	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
17	Plant carbon nourishment of arbuscular mycorrhizal fungi. Current Opinion in Plant Biology, 2017, 39, 50-56.	7.1	143
18	A journey through signaling in arbuscular mycorrhizal symbioses 2006. New Phytologist, 2006, 172, 35-46.	7.3	132

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19	The half-size ABC transporters STR1 and STR2 are indispensable for mycorrhizal arbuscule formation in rice. <i>Plant Journal</i> , 2012, 69, 906-920.	5.7	131
20	Mutualism and parasitism: the yin and yang of plant symbioses. <i>Current Opinion in Plant Biology</i> , 2006, 9, 364-370.	7.1	124
21	Multiple control levels of root system remodeling in arbuscular mycorrhizal symbiosis. <i>Frontiers in Plant Science</i> , 2013, 4, 204.	3.6	121
22	Mechanisms Underlying Establishment of Arbuscular Mycorrhizal Symbioses. <i>Annual Review of Phytopathology</i> , 2018, 56, 135-160.	7.8	116
23	Arbuscular cell invasion coincides with extracellular vesicles and membrane tubules. <i>Nature Plants</i> , 2019, 5, 204-211.	9.3	107
24	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. <i>Plant and Cell Physiology</i> , 2008, 49, 1659-1671.	3.1	103
25	The negative regulator SMAX1 controls mycorrhizal symbiosis and strigolactone biosynthesis in rice. <i>Nature Communications</i> , 2020, 11, 2114.	12.8	101
26	Transcriptome diversity among rice root types during asymbiosis and interaction with arbuscular mycorrhizal fungi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6754-6759.	7.1	99
27	Polyphony in the rhizosphere: presymbiotic communication in arbuscular mycorrhizal symbiosis. <i>Current Opinion in Plant Biology</i> , 2013, 16, 473-479.	7.1	84
28	An N-acetylglucosamine transporter required for arbuscular mycorrhizal symbioses in rice and maize. <i>Nature Plants</i> , 2017, 3, 17073.	9.3	72
29	Maize mutants affected at distinct stages of the arbuscular mycorrhizal symbiosis. <i>Plant Journal</i> , 2006, 47, 165-173.	5.7	71
30	Symbiotic Cooperation in the Biosynthesis of a Phytotoxin. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9615-9618.	13.8	69
31	Blumenols as shoot markers of root symbiosis with arbuscular mycorrhizal fungi. <i>ELife</i> , 2018, 7, .	6.0	69
32	The growth defect of <i>lrt1</i> , a maize mutant lacking lateral roots, can be complemented by symbiotic fungi or high phosphate nutrition. <i>Planta</i> , 2002, 214, 584-590.	3.2	65
33	Characterizing variation in mycorrhiza effect among diverse plant varieties. <i>Theoretical and Applied Genetics</i> , 2010, 120, 1029-1039.	3.6	57
34	The impact of domestication and crop improvement on arbuscular mycorrhizal symbiosis in cereals: insights from genetics and genomics. <i>New Phytologist</i> , 2018, 220, 1135-1140.	7.3	54
35	Mechanisms and Impact of Symbiotic Phosphate Acquisition. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a034603.	5.5	53
36	A rice Serine/Threonine receptor-like kinase regulates arbuscular mycorrhizal symbiosis at the peri-arbuscular membrane. <i>Nature Communications</i> , 2018, 9, 4677.	12.8	45

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37	Lipid Droplets of Arbuscular Mycorrhizal Fungi Emerge in Concert with Arbuscule Collapse. <i>Plant and Cell Physiology</i> , 2014, 55, 1945-1953.	3.1	41
38	Full Establishment of Arbuscular Mycorrhizal Symbiosis in Rice Occurs Independently of Enzymatic Jasmonate Biosynthesis. <i>PLoS ONE</i> , 2015, 10, e0123422.	2.5	41
39	Cytosine methylation inhibits replication of African cassava mosaic virus by two distinct mechanisms. <i>Nucleic Acids Research</i> , 1993, 21, 3445-3450.	14.5	40
40	Receptor-Like Kinases Sustain Symbiotic Scrutiny. <i>Plant Physiology</i> , 2020, 182, 1597-1612.	4.8	34
41	Independent signalling cues underpin arbuscular mycorrhizal symbiosis and large lateral root induction in rice. <i>New Phytologist</i> , 2018, 217, 552-557.	7.3	28
42	Co-ordinated Changes in the Accumulation of Metal Ions in Maize (<i>Zea mays</i> ssp. <i>mays</i> L.) in Response to Inoculation with the Arbuscular Mycorrhizal Fungus <i>Funneliformis mosseae</i> . <i>Plant and Cell Physiology</i> , 2017, 58, 1689-1699.	3.1	27
43	Phosphate Import at the Arbuscule: Just a Nutrient?. <i>Molecular Plant-Microbe Interactions</i> , 2011, 24, 1296-1299.	2.6	25
44	The genetic architecture of host response reveals the importance of arbuscular mycorrhizae to maize cultivation. <i>ELife</i> , 2020, 9, .	6.0	24
45	Arbuscular mycorrhizal phenotyping: the dos and don'ts. <i>New Phytologist</i> , 2019, 221, 1182-1186.	7.3	23
46	Genetic diversity for mycorrhizal symbiosis and phosphate transporters in rice. <i>Journal of Integrative Plant Biology</i> , 2015, 57, 969-979.	8.5	19
47	Transcriptional activity and epigenetic regulation of transposable elements in the symbiotic fungus <i>Rhizophagus irregularis</i> . <i>Genome Research</i> , 2021, 31, 2290-2302.	5.5	19
48	A mycorrhiza-associated receptor-like kinase with an ancient origin in the green lineage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	15
49	Conditioning plants for arbuscular mycorrhizal symbiosis through DWARF14-LIKE signalling. <i>Current Opinion in Plant Biology</i> , 2021, 62, 102071.	7.1	13
50	Multifaceted Cellular Reprogramming at the Crossroads Between Plant Development and Biotic Interactions. <i>Plant and Cell Physiology</i> , 2018, 59, 651-655.	3.1	9
51	How membrane receptors tread the fine balance between symbiosis and immunity signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	7
52	The Molecular Components of Nutrient Exchange in Arbuscular Mycorrhizal Interactions. , 2008, , 37-59.		6
53	Editorial overview: Biotic interactions: The diverse and dynamic nature of perception and response in plant interactions: from cells to communities. <i>Current Opinion in Plant Biology</i> , 2015, 26, v-viii.	7.1	1
54	Visualising an invisible symbiosis. <i>Plants People Planet</i> , 2021, 3, 462-470.	3.3	0