Thomas Boller

List of Publications by Year
in descending order

279 papers	49,986 citations	1799 103 h-index	1634 215 g-index
284 all docs	284 docs citations	284 times ranked	25119 citing authors

#	Article	IF	Citations
1	Rate of hyphal spread of arbuscular mycorrhizal fungi from pigeon pea to finger millet and their contribution to plant growth and nutrient uptake in experimental microcosms. Applied Soil Ecology, 2022, 169, 104156.	4.3	17
2	From isolation to application: a case study of arbuscular mycorrhizal fungi of the Arabian Peninsula. Symbiosis, 2022, 86, 123-132.	2.3	2
3	Proteome adaptations under contrasting soil phosphate regimes of Rhizophagus irregularis engaged in a common mycorrhizal network. Fungal Genetics and Biology, 2021, 147, 103517.	2.1	2
4	Spatial Arrangement and Biofertilizers Enhance the Performance of Legumeâ€"Millet Intercropping System in Rainfed Areas of Southern India. Frontiers in Sustainable Food Systems, 2021, 5, .	3.9	2
5	Expression of major intrinsic protein genes in Sorghum bicolor roots under water deficit depends on arbuscular mycorrhizal fungal species. Soil Biology and Biochemistry, 2020, 140, 107643.	8.8	15
6	Intercropping Transplanted Pigeon Pea With Finger Millet: Arbuscular Mycorrhizal Fungi and Plant Growth Promoting Rhizobacteria Boost Yield While Reducing Fertilizer Input. Frontiers in Sustainable Food Systems, 2020, 4, .	3.9	22
7	Deep-rooted pigeon pea promotes the water relations and survival of shallow-rooted finger millet during droughtâ€"Despite strong competitive interactions at ambient water availability. PLoS ONE, 2020, 15, e0228993.	2.5	20
8	Bioirrigation: a common mycorrhizal network facilitates the water transfer from deep-rooted pigeon pea to shallow-rooted finger millet under drought. Plant and Soil, 2019, 440, 277-292.	3.7	20
9	Damage on plants activates Ca ²⁺ -dependent metacaspases for release of immunomodulatory peptides. Science, 2019, 363, .	12.6	170
10	Differential and tissue-specific activation pattern of the <i>AtPROPEP</i> and <i>AtPEPR</i> genes in response to biotic and abiotic stress in <i>Arabidopsis thaliana</i>. Plant Signaling and Behavior, 2019, 14, e1590094.	2.4	14
11	Imbalanced Regulation of Fungal Nutrient Transports According to Phosphate Availability in a Symbiocosm Formed by Poplar, Sorghum, and Rhizophagus irregularis. Frontiers in Plant Science, 2019, 10, 1617.	3.6	23
12	Small RNA-Omics for Virome Reconstruction and Antiviral Defense Characterization in Mixed Infections of Cultivated <i>Solanum</i> Plants. Molecular Plant-Microbe Interactions, 2018, 31, 707-723.	2.6	23
13	Role of the Nod Factor Hydrolase MtNFH1 in Regulating Nod Factor Levels during Rhizobial Infection and in Mature Nodules of <i>Medicago truncatula</i>. Plant Cell, 2018, 30, 397-414.	6.6	40
14	Differential Suppression of Nicotiana benthamiana Innate Immune Responses by Transiently Expressed Pseudomonas syringae Type III Effectors. Frontiers in Plant Science, 2018, 9, 688.	3.6	21
15	Finger Millet Growth and Nutrient Uptake Is Improved in Intercropping With Pigeon Pea Through â€œBiofertilizationâ€•and â€œBioirrigationâ€•Mediated by Arbuscular Mycorrhizal Fungi and Plant Growth Promoting Rhizobacteria. Frontiers in Environmental Science, 2018, 6, .	3.3	44
16	Effects of two contrasted arbuscular mycorrhizal fungal isolates on nutrient uptake by Sorghum bicolor under drought. Mycorrhiza, 2018, 28, 779-785.	2.8	70
17	Impact of pyrochar and hydrochar on soybean (<i>Glycine max</i> L.) root nodulation and biological nitrogen fixation. Journal of Plant Nutrition and Soil Science, 2017, 180, 199-211.	1.9	39
18	Transcriptome analysis of the Populus trichocarpaâ€"Rhizophagus irregularis Mycorrhizal Symbiosis: Regulation of Plant and Fungal Transportomes under Nitrogen Starvation. Plant and Cell Physiology, 2017, 58, 1003-1017.	3.1	43

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19	Phylogenetic, structural, and functional characterization of AMT3;1, an ammonium transporter induced by mycorrhization among model grasses. Mycorrhiza, 2017, 27, 695-708.	2.8	28
20	Application of Mycorrhiza and Soil from a Permaculture System Improved Phosphorus Acquisition in Naranjilla. Frontiers in Plant Science, 2017, 8, 1263.	3.6	13
21	In roots of Arabidopsis thaliana, the damage-associated molecular pattern AtPep1 is a stronger elicitor of immune signalling than flg22 or the chitin heptamer. PLoS ONE, 2017, 12, e0185808.	2.5	74
22	Improving Crop Yield and Nutrient Use Efficiency via Biofertilizationâ€"A Global Meta-analysis. Frontiers in Plant Science, 2017, 8, 2204.	3.6	235
23	GintAMT3 â€" a Low-Affinity Ammonium Transporter of the Arbuscular Mycorrhizal Rhizophagus irregularis. Frontiers in Plant Science, 2016, 7, 679.	3.6	66
24	Doubleâ€stranded <scp>RNA</scp>s induce a patternâ€triggered immune signaling pathway in plants. New Phytologist, 2016, 211, 1008-1019.	7.3	186
25	Viral protein suppresses oxidative burst and salicylic acidâ€dependent autophagy and facilitates bacterial growth on virusâ€infected plants. New Phytologist, 2016, 211, 1020-1034.	7.3	92
26	Clathrin-dependent endocytosis is required for immunity mediated by pattern recognition receptor kinases. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11034-11039.	7.1	188
27	Looking BAK again: Is an old acquaintance of innate immunity involved in the detection of herbivores?. Plant Signaling and Behavior, 2016, 11, e1252014.	2.4	3
28	Regulation of plants' phosphate uptake in common mycorrhizal networks: Role of intraradical fungal phosphate transporters. Plant Signaling and Behavior, 2016, 11, e1131372.	2.4	47
29	Tracing of Two Pseudomonas Strains in the Root and Rhizoplane of Maize, as Related to Their Plant Growth-Promoting Effect in Contrasting Soils. Frontiers in Microbiology, 2016, 7, 2150.	3.5	46
30	The<i>Arabidopsis</i>Pep-PEPR system is induced by herbivore feeding and contributes to JA-mediated plant defence against herbivory. Journal of Experimental Botany, 2015, 66, 5327-5336.	4.8	82
31	Evolutionary divergence of the plant elicitor peptides (Peps) and their receptors: interfamily incompatibility of perception but compatibility of downstream signalling. Journal of Experimental Botany, 2015, 66, 5315-5325.	4.8	77
32	Plant phosphorus acquisition in a common mycorrhizal network: regulation of phosphate transporter genes of the Pht1 family in sorghum and flax. New Phytologist, 2015, 205, 1632-1645.	7.3	119
33	Tissueâ€specific <scp>FLAGELLIN</scp>â€<scp>SENSING</scp> 2 (<scp>FLS</scp>2) expression in roots restores immune responses in <scp>A</scp>rabidopsis <i>fls2</i> mutants. New Phytologist, 2015, 206, 774-784.	7.3	57
34	Quo vadis, Pep? Plant elicitor peptides at the crossroads of immunity, stress, and development. Journal of Experimental Botany, 2015, 66, 5183-5193.	4.8	119
35	Perception of Arabidopsis AtPep peptides, but not bacterial elicitors, accelerates starvation-induced senescence. Frontiers in Plant Science, 2015, 6, 14.	3.6	29
36	The effect of different nitrogen sources on the symbiotic interaction between Sorghum bicolor and Glomus intraradices : Expression of plant and fungal genes involved in nitrogen assimilation. Soil Biology and Biochemistry, 2015, 86, 159-163.	8.8	21

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37	Impact of water regimes on an experimental community of four desert arbuscular mycorrhizal fungal (AMF) species, as affected by the introduction of a non-native AMF species. Mycorrhiza, 2015, 25, 639-647.	2.8	50
38	The <i><scp>P</scp>seudomonas</i> type <scp>III</scp> effector HopQ1 activates cytokinin signaling and interferes with plant innate immunity. New Phytologist, 2014, 201, 585-598.	7.3	99
39	Expression patterns of FLAGELLIN SENSING 2 map to bacterial entry sites in plant shoots and roots. Journal of Experimental Botany, 2014, 65, 6487-6498.	4.8	96
40	Consequences of a Deficit in Vitamin B6 Biosynthesis de Novo for Hormone Homeostasis and Root Development in Arabidopsis Â. Plant Physiology, 2014, 167, 102-117.	4.8	34
41	Isolation and identification of desert habituated arbuscular mycorrhizal fungi newly reported from the Arabian Peninsula. Journal of Arid Land, 2014, 6, 488-497.	2.3	19
42	Three new species of arbuscular mycorrhizal fungi discovered at one location in a desert of Oman: <i>Diversispora omaniana</i>, <i>Septoglomus nakheelum</i> and <i>Rhizophagus arabicus</i>. Mycologia, 2014, 106, 243-259.	1.9	45
43	Non-target effects of bioinoculants on rhizospheric microbial communities of Cajanus cajan. Applied Soil Ecology, 2014, 76, 26-33.	4.3	27
44	The Immunity Regulator <i>BAK1</i> Contributes to Resistance Against Diverse RNA Viruses. Molecular Plant-Microbe Interactions, 2013, 26, 1271-1280.	2.6	141
45	The family of Peps and their precursors in Arabidopsis: differential expression and localization but similar induction of pattern-triggered immune responses. Journal of Experimental Botany, 2013, 64, 5309-5321.	4.8	140
46	A Two-Hybrid-Receptor Assay Demonstrates Heteromer Formation as Switch-On for Plant Immune Receptors Â. Plant Physiology, 2013, 163, 1504-1509.	4.8	27
47	Tracking the carbon source of arbuscular mycorrhizal fungi colonizing C3 and C4 plants using carbon isotope ratios (Î´13C). Soil Biology and Biochemistry, 2013, 58, 341-344.	8.8	12
48	The Anticipation of Danger: Microbe-Associated Molecular Pattern Perception Enhances AtPep-Triggered Oxidative Burst Â. Plant Physiology, 2013, 161, 2023-2035.	4.8	88
49	The Nodulation Factor Hydrolase of <i>Medicago truncatula</i>: Characterization of an Enzyme Specifically Cleaving Rhizobial Nodulation Signals. Plant Physiology, 2013, 163, 1179-1190.	4.8	35
50	The family of ammonium transporters (<scp>AMT</scp>) in <i><scp>S</scp>orghum bicolor</i>: two <scp>AMT</scp> members are induced locally, but not systemically in roots colonized by arbuscular mycorrhizal fungi. New Phytologist, 2013, 198, 853-865.	7.3	146
51	Several MAMPs, including chitin fragments, enhance<i>At</i>Pep-triggered oxidative burst independently of wounding. Plant Signaling and Behavior, 2013, 8, e25346.	2.4	34
52	Rapid nitrogen transfer in the<i><i>Sorghum bicolor-</i></i><i><i>Glomus mosseae</i></i>arbuscular mycorrhizal symbiosis. Plant Signaling and Behavior, 2013, 8, e25229.	2.4	16
53	Does Wheat Genetically Modified for Disease Resistance Affect Root-Colonizing Pseudomonads and Arbuscular Mycorrhizal Fungi?. PLoS ONE, 2013, 8, e53825.	2.5	20
54	Functional Analysis of NopM, a Novel E3 Ubiquitin Ligase (NEL) Domain Effector of Rhizobium sp. Strain NGR234. PLoS Pathogens, 2012, 8, e1002707.	4.7	109

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55	Genome Sequences of Two Plant Growth-Promoting Fluorescent Pseudomonas Strains, R62 and R81. Journal of Bacteriology, 2012, 194, 3272-3273.	2.2	31
56	Mycorrhizal Networks: Common Goods of Plants Shared under Unequal Terms of Trade Â Â. Plant Physiology, 2012, 159, 789-797.	4.8	332
57	Contamination Risks in Work with Synthetic Peptides: flg22 as an Example of a Pirate in Commercial Peptide Preparations. Plant Cell, 2012, 24, 3193-3197.	6.6	36
58	The Lectin Receptor Kinase-VI.2 Is Required for Priming and Positively Regulates <i>Arabidopsis</i> Pattern-Triggered Immunity. Plant Cell, 2012, 24, 1256-1270.	6.6	186
59	Interplay of flg22-induced defence responses and nodulation in Lotus japonicus. Journal of Experimental Botany, 2012, 63, 393-401.	4.8	130
60	Experimental Evidence of a Role for RLKs in Innate Immunity. Signaling and Communication in Plants, 2012, , 67-77.	0.7	2
61	Probing the <i>Arabidopsis</i> Flagellin Receptor: FLS2-FLS2 Association and the Contributions of Specific Domains to Signaling Function. Plant Cell, 2012, 24, 1096-1113.	6.6	104
62	Peptides as Danger Signals: MAMPs and DAMPs. Signaling and Communication in Plants, 2012, , 163-181.	0.7	9
63	Chimeric FLS2 Receptors Reveal the Basis for Differential Flagellin Perception in <i>Arabidopsis</i> and Tomato. Plant Cell, 2012, 24, 2213-2224.	6.6	69
64	Carbon and Nitrogen Metabolism in Mycorrhizal Networks and Mycoheterotrophic Plants of Tropical Forests: A Stable Isotope Analysis Â. Plant Physiology, 2011, 156, 952-961.	4.8	65
65	Production of plant growth modulating volatiles is widespread among rhizosphere bacteria and strongly depends on culture conditions. Environmental Microbiology, 2011, 13, 3047-3058.	3.8	343
66	Nutrient use efficiency and arbuscular mycorrhizal root colonisation of winter wheat cultivars in different farming systems of the DOK long-term trial. Journal of the Science of Food and Agriculture, 2010, 90, n/a-n/a.	3.5	37
67	Mode of synthesis of longâ€chain fructan in timothy haplocorm. Grassland Science, 2010, 56, 194-197.	1.1	1
68	Early signaling through the Arabidopsis pattern recognition receptors FLS2 and EFR involves Ca2+-associated opening of plasma membrane anion channels. Plant Journal, 2010, 62, 367-378.	5.7	215
69	Rapid Heteromerization and Phosphorylation of Ligand-activated Plant Transmembrane Receptors and Their Associated Kinase BAK1. Journal of Biological Chemistry, 2010, 285, 9444-9451.	3.4	387
70	Perception of the Arabidopsis Danger Signal Peptide 1 Involves the Pattern Recognition Receptor AtPEPR1 and Its Close Homologue AtPEPR2. Journal of Biological Chemistry, 2010, 285, 13471-13479.	3.4	317
71	Functional diversity in arbuscular mycorrhiza â€" the role ofÂgene expression, phosphorous nutrition and symbiotic efficiency. Fungal Ecology, 2010, 3, 1-8.	1.6	139
72	Are Small GTPases Signal Hubs in Sugar-Mediated Induction of Fructan Biosynthesis?. PLoS ONE, 2009, 4, e6605.	2.5	38

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73	Uncoupling of sustained MAMP receptor signaling from early outputs in an Arabidopsis endoplasmic reticulum glucosidase II allele. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 22522-22527.	7.1	119
74	Yield and baking quality of winter wheat cultivars in different farming systems of the DOK longâ€term trial. Journal of the Science of Food and Agriculture, 2009, 89, 2477-2491.	3.5	34
75	An acceptor-substrate binding site determining glycosyl transfer emerges from mutant analysis of a plant vacuolar invertase and a fructosyltransferase. Plant Molecular Biology, 2009, 69, 47-56.	3.9	34
76	Microbeâ€associated molecular pattern (MAMP) signatures, synergy, size and charge: influences on perception or mobility and host defence responses. Molecular Plant Pathology, 2009, 10, 375-387.	4.2	76
77	A Renaissance of Elicitors: Perception of Microbe-Associated Molecular Patterns and Danger Signals by Pattern-Recognition Receptors. Annual Review of Plant Biology, 2009, 60, 379-406.	18.7	2,714
78	Distinct sporulation dynamics of arbuscular mycorrhizal fungal communities from different agroecosystems in long-term microcosms. Agriculture, Ecosystems and Environment, 2009, 134, 257-268.	5.3	174
79	Innate Immunity in Plants: An Arms Race Between Pattern Recognition Receptors in Plants and Effectors in Microbial Pathogens. Science, 2009, 324, 742-744.	12.6	902
80	Medicago truncatula shows distinct patterns of mycorrhiza-related gene expression after inoculation with three different arbuscular mycorrhizal fungi. Planta, 2008, 227, 671-680.	3.2	32
81	Unexpected vagaries of microsatellite loci in <i>Glomus intraradices</i>: length polymorphisms are rarely caused by variation in repeat number only. New Phytologist, 2008, 180, 568-570.	7.3	3
82	Bacterial Polysaccharides Suppress Induced Innate Immunity by Calcium Chelation. Current Biology, 2008, 18, 1078-1083.	3.9	212
83	Plant Pattern-Recognition Receptor FLS2 Is Directed for Degradation by the Bacterial Ubiquitin Ligase AvrPtoB. Current Biology, 2008, 18, 1824-1832.	3.9	400
84	Microsatellites for disentangling underground networks: Strain-specific identification of Glomus intraradices, an arbuscular mycorrhizal fungus. Fungal Genetics and Biology, 2008, 45, 812-817.	2.1	32
85	Stabbing in the BAKâ€"An Original Target for Avirulence Genes of Plant Pathogens. Cell Host and Microbe, 2008, 4, 5-7.	11.0	5
86	Evolution of Arabidopsis MIR genes generates novel microRNA classes. Nucleic Acids Research, 2008, 36, 6429-6438.	14.5	168
87	An Arabidopsis Protein Phosphorylated in Response to Microbial Elicitation, AtPHOS32, Is a Substrate of MAP Kinases 3 and 6. Journal of Biological Chemistry, 2008, 283, 10493-10499.	3.4	77
88	Otospora bareai, a new fungal species in the Glomeromycetes from a dolomitic shrub land in Sierra de Baza National Park (Granada, Spain). Mycologia, 2008, 100, 296-305.	1.9	31
89	<i>Otospora bareai</i>, a new fungal species in the Glomeromycetes from a dolomitic shrub land in Sierra de Baza National Park (Granada, Spain). Mycologia, 2008, 100, 296-305.	1.9	57
90	Lyso-Phosphatidylcholine Is a Signal in the Arbuscular Mycorrhizal Symbiosis. Science, 2007, 318, 265-268.	12.6	145

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91	A flagellin-induced complex of the receptor FLS2 and BAK1 initiates plant defence. Nature, 2007, 448, 497-500.	27.8	1,619
92	Molecular identification and characterization of the tomato flagellin receptor LeFLS2, an orthologue of Arabidopsis FLS2 exhibiting characteristically different perception specificities. Plant Molecular Biology, 2007, 64, 539-547.	3.9	174
93	Flagellin Signalling in Plant Immunity. , 2007, 598, 358-371.		36
94	The Arabidopsis Receptor Kinase FLS2 Binds flg22 and Determines the Specificity of Flagellin Perception. Plant Cell, 2006, 18, 465-476.	6.6	698
95	Ligand-induced endocytosis of the pattern recognition receptor FLS2 in Arabidopsis. Genes and Development, 2006, 20, 537-542.	5.9	649
96	Perception of the Bacterial PAMP EF-Tu by the Receptor EFR Restricts Agrobacterium-Mediated Transformation. Cell, 2006, 125, 749-760.	28.9	1,658
97	The mycorrhizal contribution to plant productivity, plant nutrition and soil structure in experimental grassland. New Phytologist, 2006, 172, 739-752.	7.3	336
98	Maize mutants affected at distinct stages of the arbuscular mycorrhizal symbiosis. Plant Journal, 2006, 47, 165-173.	5.7	71
99	Developing fructan-synthesizing capability in a plant invertase via mutations in the sucrose-binding box. Plant Journal, 2006, 48, 228-237.	5.7	62
100	An Aqueous Extract of the Dry Mycelium of Penicillium chrysogenum Induces Resistance in Several Crops under Controlled and Field Conditions. European Journal of Plant Pathology, 2006, 114, 185-197.	1.7	34
101	Large-Scale Gene Discovery in the Oomycete Phytophthora infestans Reveals Likely Components of Phytopathogenicity Shared with True Fungi. Molecular Plant-Microbe Interactions, 2005, 18, 229-243.	2.6	160
102	Community structure of arbuscular mycorrhizal fungi at different soil depths in extensively and intensively managed agroecosystems. New Phytologist, 2005, 165, 273-283.	7.3	325
103	Ectopic expression of the mycorrhizaâ€specific chitinase gene Mtchit 3â€3 in Medicago truncatula rootâ€organ cultures stimulates spore germination of glomalean fungi. New Phytologist, 2005, 167, 557-570.	7.3	27
104	Peptide signalling in plant development and self/non-self perception. Current Opinion in Cell Biology, 2005, 17, 116-122.	5.4	69
105	Ethylene-mediated cross-talk between calcium-dependent protein kinase and MAPK signaling controls stress responses in plants. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10736-10741.	7.1	292
106	Mutational analysis of the active center of plant fructosyltransferases:Festuca1-SST and barley 6-SFT. FEBS Letters, 2005, 579, 4647-4653.	2.8	17
107	Cloning and functional characterization of a cDNA encoding barley soluble acid invertase (HvINV1). Plant Science, 2005, 168, 249-258.	3.6	17
108	An extract of Penicillium chrysogenum elicits early defense-related responses and induces resistance in Arabidopsis thaliana independently of known signalling pathways. Physiological and Molecular Plant Pathology, 2005, 67, 180-193.	2.5	44

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109	The N Terminus of Bacterial Elongation Factor Tu Elicits Innate Immunity in Arabidopsis Plants. Plant Cell, 2004, 16, 3496-3507.	6.6	780
110	The Transcriptional Innate Immune Response to flg22. Interplay and Overlap with Avr Gene-Dependent Defense Responses and Bacterial Pathogenesis. Plant Physiology, 2004, 135, 1113-1128.	4.8	562
111	Distinct regulation of sucrose: sucroseâ€1â€fructosyltransferase (1â€SST) and sucrose: fructanâ€6â€fructosyltransferase (6â€SFT), the key enzymes of fructan synthesis in barley leaves: 1â€SST as the pacemaker. New Phytologist, 2004, 161, 735-748.	7.3	58
112	Bacterial disease resistance in Arabidopsis through flagellin perception. Nature, 2004, 428, 764-767.	27.8	1,487
113	Sinorhizobium meliloti-induced chitinase gene expression in Medicago truncatula ecotype R108-1: a comparison between symbiosis-specific classï¿½V and defence-related classï¿½IV chitinases. Planta, 2004, 219, 626-38.	3.2	31
114	Impact of long-term conventional and organic farming on the diversity of arbuscular mycorrhizal fungi. Oecologia, 2004, 138, 574-583.	2.0	457
115	The large subunit determines catalytic specificity of barley sucrose:fructan 6-fructosyltransferase and fescue sucrose:sucrose 1-fructosyltransferase. FEBS Letters, 2004, 567, 214-218.	2.8	28
116	Impact of Land Use Intensity on the Species Diversity of Arbuscular Mycorrhizal Fungi in Agroecosystems of Central Europe. Applied and Environmental Microbiology, 2003, 69, 2816-2824.	3.1	609
117	Molecular Sensing of Bacteria in Plants. Journal of Biological Chemistry, 2003, 278, 6201-6208.	3.4	200
118	A Plasma Membrane Syntaxin Is Phosphorylated in Response to the Bacterial Elicitor Flagellin. Journal of Biological Chemistry, 2003, 278, 45248-45254.	3.4	101
119	Accumulation of soluble carbohydrates, trehalase and sucrose synthase in effective (Fix+) and ineffective (Fix -) nodules of soybean cultivars that differentially nodulate with Bradyrhizobium japonicum. Functional Plant Biology, 2003, 30, 965.	2.1	7
120	Mixed inoculation alters infection success of strains of the endophyteEpichloÃ« bromicolaon its grass hostBromus erectus. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 397-402.	2.6	37
121	Induction of Trehalase in Arabidopsis Plants Infected With the Trehalose-Producing Pathogen Plasmodiophora brassicae. Molecular Plant-Microbe Interactions, 2002, 15, 693-700.	2.6	151
122	Flagellin perception: a paradigm for innate immunity. Trends in Plant Science, 2002, 7, 251-256.	8.8	488
123	Ectomycorrhiza: gene expression, metabolism and the wood-wide web. Current Opinion in Plant Biology, 2002, 5, 355-361.	7.1	40
124	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
125	Characterization of Phytophthora infestans genes regulated during the interaction with potato. Molecular Plant Pathology, 2002, 3, 473-485.	4.2	25
126	MAP kinase signalling cascade in Arabidopsis innate immunity. Nature, 2002, 415, 977-983.	27.8	2,407

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127	Title is missing!. Plant and Soil, 2002, 243, 143-154.	3.7	33
128	Light and sugar regulation of the barley sucrose : fructan 6-fructosyltransferase promoter. Journal of Plant Physiology, 2001, 158, 1601-1607.	3.5	38
129	Directed Proteomics Identifies a Plant-Specific Protein Rapidly Phosphorylated in Response to Bacterial and Fungal Elicitors. Plant Cell, 2001, 13, 1467-1475.	6.6	197
130	Hyphal in vitro growth of the arbuscular mycorrhizal fungus Glomus mosseae is affected by chitinase but not by Î²-1,3-glucanase. Mycorrhiza, 2001, 11, 279-282.	2.8	18
131	Identification of potato genes induced during colonization by Phytophthora infestans. Molecular Plant Pathology, 2001, 2, 125-134.	4.2	69
132	Arbuscular mycorrhiza in mini-mycorrhizotrons: first contact ofMedicago truncatularoots withGlomus intraradicesinduces chalcone synthase. New Phytologist, 2001, 150, 573-582.	7.3	44
133	Effects of habitat fragmentation on choke disease (EpichloÃ« bromicola) in the grass Bromus erectus. Journal of Ecology, 2001, 89, 247-255.	4.0	52
134	Differential induction of two potato genes, Stprx2 and StNAC, in response to infection by Phytophthora infestans and to wounding. , 2001, 46, 521-529.		237
135	Directed Proteomics Identifies a Plant-Specific Protein Rapidly Phosphorylated in Response to Bacterial and Fungal Elicitors. Plant Cell, 2001, 13, 1467-1475.	6.6	182
136	Trehalose and Trehalase in Arabidopsis. Plant Physiology, 2001, 125, 1086-1093.	4.8	159
137	Trehalose metabolism in Arabidopsis: occurrence of trehalose and molecular cloning and characterization of trehaloseâ€6â€phosphate synthase homologues. Journal of Experimental Botany, 2001, 52, 1817-1826.	4.8	121
138	Both the Extracellular Leucine-Rich Repeat Domain and the Kinase Activity of FLS2 Are Required for Flagellin Binding and Signaling in Arabidopsis. Plant Cell, 2001, 13, 1155-1163.	6.6	327
139	Sensitivity of Different Ecotypes and Mutants ofArabidopsis thaliana toward the Bacterial Elicitor Flagellin Correlates with the Presence of Receptor-binding Sites. Journal of Biological Chemistry, 2001, 276, 45669-45676.	3.4	164
140	Trehalose becomes the most abundant nonâ€structural carbohydrate during senescence of soybean nodules. Journal of Experimental Botany, 2001, 52, 943-947.	4.8	53
141	Differential mRNA Degradation of Two Î²-Tubulin Isoforms Correlates with Cytosolic Ca2+ Changes in Glucan-Elicited Soybean Cells. Plant Physiology, 2001, 126, 87-96.	4.8	18
142	Transport of 15N from a soil compartment separated by a polytetrafluoroethylene membrane to plant roots via the hyphae of arbuscular mycorrhizal fungi. New Phytologist, 2000, 146, 155-161.	7.3	134
143	Arbuscular mycorrhizae in a long-term field trial comparing low-input (organic, biological) and high-input (conventional) farming systems in a crop rotation. Biology and Fertility of Soils, 2000, 31, 150-156.	4.3	229
144	Differential Expression of Eight Chitinase Genes in Medicago truncatula Roots During Mycorrhiza Formation, Nodulation, and Pathogen Infection. Molecular Plant-Microbe Interactions, 2000, 13, 763-777.	2.6	158

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145	Differential Activation of Four Specific MAPK Pathways by Distinct Elicitors. Journal of Biological Chemistry, 2000, 275, 36734-36740.	3.4	142
146	The Bacterial Elicitor Flagellin Activates Its Receptor in Tomato Cells According to the Address-Message Concept. Plant Cell, 2000, 12, 1783.	6.6	2
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