Paola Bonfante

List of Publications by Year in Descending Order

285 papers	16,993 citations	72 h-index	117 g-index
304 ext. papers	20,076 ext. citations	6 avg, IF	6.79 L-index

#	Paper	IF	Citations
285	The need for phosphate: at the root of the mycorrhizal symbiosis. *Science Bulletin*, **2021**,	10.6	1
284	Symbiotic responses of Lotus japonicus to two isogenic lines of a mycorrhizal fungus differing in the presence/absence of an endobacterium. *Plant Journal*, **2021**, 108, 1547	6.9	2
283	Proteomic analysis reveals how pairing of a Mycorrhizal fungus with plant growth-promoting bacteria modulates growth and defense in wheat. *Plant, Cell and Environment*, **2021**, 44, 1946-1960	8.4	7
282	Quantifying Nutrient Trade in the Arbuscular Mycorrhizal Symbiosis Under Extreme Weather Events Using Quantum-Dot Tagged Phosphorus. *Frontiers in Ecology and Evolution*, **2021**, 9,	3.7	2
281	Intragenic complementation at the Lotus japonicus CELLULOSE SYNTHASE-LIKE D1 locus rescues root hair defects. *Plant Physiology*, **2021**, 186, 2037-2050	6.6	2
280	Plant genotype and seasonality drive fine changes in olive root microbiota. *Current Plant Biology*, **2021**, 28, 100219	3.3	2
279	The plant microbiota: composition, functions, and engineering. *Current Opinion in Biotechnology*, **2021**, 73, 135-142	11.4	6
278	Efficient Mimics for Elucidating Zaxinone Biology and Promoting Agricultural Applications. *Molecular Plant*, **2020**, 13, 1654-1661	14.4	8
277	Mucoromycota: going to the roots of plant-interacting fungi. *Fungal Biology Reviews*, **2020**, 34, 100-113	6.8	24
276	An endophytic Fusarium-legume association is partially dependent on the common symbiotic signalling pathway. *New Phytologist*, **2020**, 226, 1429-1444	9.8	11
275	Genetics and Genomics Decipher Partner Biology in Arbuscular Mycorrhizas **2020**, 143-172		
274	Bioinformatic Methods for the Analysis of High-Throughput RNA Sequencing in Arbuscular Mycorrhizal Fungi. *Methods in Molecular Biology*, **2020**, 2146, 137-153	1.4	1
273	At the nexus of three kingdoms: the genome of the mycorrhizal fungus Gigaspora margarita provides insights into plant, endobacterial and fungal interactions. *Environmental Microbiology*, **2020**, 22, 122-141	5.2	27
272	Physiological Beneficial Effect of Rhizophagus intraradices Inoculation on Tomato Plant Yield under Water Deficit Conditions. *Agronomy*, **2020**, 10, 71	3.6	8
271	Unique and common traits in mycorrhizal symbioses. *Nature Reviews Microbiology*, **2020**, 18, 649-660	22.2	76
270	The Mosaic Architecture of NRPS-PKS in the Arbuscular Mycorrhizal Fungus Shows a Domain With Bacterial Signature. *Frontiers in Microbiology*, **2020**, 11, 581313	5.7	2
269	Water management and phenology influence the root-associated rice field microbiota. *FEMS Microbiology Ecology*, **2020**, 96,	4.3	9

268	and Its Endobacterium Modulate Symbiotic Marker Genes in Tomato Roots under Combined Water and Nutrient Stress. *Plants*, **2020**, 9,	4.5	3
267	Different Genetic Sources Contribute to the Small RNA Population in the Arbuscular Mycorrhizal Fungus. *Frontiers in Microbiology*, **2020**, 11, 395	5.7	8
266	Apocarotenoids: Old and New Mediators of the Arbuscular Mycorrhizal Symbiosis. *Frontiers in Plant Science*, **2019**, 10, 1186	6.2	29
265	Understanding Changes in Tomato Cell Walls in Roots and Fruits: The Contribution of Arbuscular Mycorrhizal Colonization. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	6
264	Colonization of legumes by an endophytic Fusarium solani strain FsK reveals common features to symbionts or pathogens. *Fungal Genetics and Biology*, **2019**, 127, 60-74	3.9	16
263	The mycobiota: fungi take their place between plants and bacteria. *Current Opinion in Microbiology*, **2019**, 49, 18-25	7.9	27
262	Algae and fungi move from the past to the future. *ELife*, **2019**, 8,	8.9	7
261	Differentially Regulates Barley Root Colonization by Beneficial Endophytic and Mycorrhizal Fungi. *Frontiers in Plant Science*, **2019**, 10, 1678	6.2	12
260	Tomato RNA-seq Data Mining Reveals the Taxonomic and Functional Diversity of Root-Associated Microbiota. *Microorganisms*, **2019**, 8,	4.9	7
259	The apocarotenoid metabolite zaxinone regulates growth and strigolactone biosynthesis in rice. *Nature Communications*, **2019**, 10, 810	17.4	66
258	TPLATE Recruitment Reveals Endocytic Dynamics at Sites of Symbiotic Interface Assembly in Arbuscular Mycorrhizal Interactions. *Frontiers in Plant Science*, **2019**, 10, 1628	6.2	6
257	Bacterial-fungal interactions: ecology, mechanisms and challenges. *FEMS Microbiology Reviews*, **2018**, 42, 335-352	15.1	239
256	The virome of the arbuscular mycorrhizal fungus Gigaspora margarita reveals the first report of DNA fragments corresponding to replicating non-retroviral RNA viruses in fungi. *Environmental Microbiology*, **2018**, 20, 2012-2025	5.2	21
255	Native soils with their microbiotas elicit a state of alert in tomato plants. *New Phytologist*, **2018**, 220, 1296-1308	9.8	61
254	Strigolactones cross the kingdoms: plants, fungi, and bacteria in the arbuscular mycorrhizal symbiosis. *Journal of Experimental Botany*, **2018**, 69, 2175-2188	7	60
253	Not only priming: Soil microbiota may protect tomato from root pathogens. *Plant Signaling and Behavior*, **2018**, 13, e1464855	2.5	6
252	Metabolome changes are induced in the arbuscular mycorrhizal fungus Gigaspora margarita by germination and by its bacterial endosymbiont. *Mycorrhiza*, **2018**, 28, 421-433	3.9	11
251	Pezizomycetes genomes reveal the molecular basis of ectomycorrhizal truffle lifestyle. *Nature Ecology and Evolution*, **2018**, 2, 1956-1965	12.3	52

250	Effect of the strigolactone analogs methyl phenlactonoates on spore germination and root colonization of arbuscular mycorrhizal fungi. *Heliyon*, **2018**, 4, e00936	3.6	11
249	Growing Research Networks on Mycorrhizae for Mutual Benefits. *Trends in Plant Science*, **2018**, 23, 975-984	15.1	25
248	The future has roots in the past: the ideas and scientists that shaped mycorrhizal research. *New Phytologist*, **2018**, 220, 982-995	9.8	31
247	Biology of Fungi and Their Bacterial Endosymbionts. *Annual Review of Phytopathology*, **2018**, 56, 289-309	10.8	30
246	José-Miguel Barea 1942-2018: the man that always smiles. *Environmental Microbiology*, **2018**, 20, 2319-2321	5.2	
245	Omics approaches revealed how arbuscular mycorrhizal symbiosis enhances yield and resistance to leaf pathogen in wheat. *Scientific Reports*, **2018**, 8, 9625	4.9	54
244	Impact of an arbuscular mycorrhizal fungus versus a mixed microbial inoculum on the transcriptome reprogramming of grapevine roots. *Mycorrhiza*, **2017**, 27, 417-430	3.9	31
243	The endobacterium of an arbuscular mycorrhizal fungus modulates the expression of its toxin-antitoxin systems during the life cycle of its host. *ISME Journal*, **2017**, 11, 2394-2398	11.9	6
242	Who lives in a fungus? The diversity, origins and functions of fungal endobacteria living in Mucoromycota. *ISME Journal*, **2017**, 11, 1727-1735	11.9	88
241	Gigaspora margarita with and without its endobacterium shows adaptive responses to oxidative stress. *Mycorrhiza*, **2017**, 27, 747-759	3.9	12
240	ITS fungal barcoding primers versus 18S AMF-specific primers reveal similar AMF-based diversity patterns in roots and soils of three mountain vineyards. *Environmental Microbiology Reports*, **2017**, 9, 658-667	3.7	30
239	The Mutualistic Interaction between Plants and Arbuscular Mycorrhizal Fungi **2017**, 727-747		3
238	Chapter 39 Ecology and Evolution of Fungal-Bacterial Interactions. *Mycology*, **2017**, 563-584		8
237	'Candidatus Moeniiplasma glomeromycotorum', an endobacterium of arbuscular mycorrhizal fungi. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 1177-1184	2.2	25
236	Soil metaproteomics reveals an inter-kingdom stress response to the presence of black truffles. *Scientific Reports*, **2016**, 6, 25773	4.9	45
235	The structure of arbuscular mycorrhizas **2016**, 33-45		2
234	The phosphate transporters LjPT4 and MtPT4 mediate early root responses to phosphate status in non mycorrhizal roots. *Plant, Cell and Environment*, **2016**, 39, 660-71	8.4	62
233	Symbiosis with an endobacterium increases the fitness of a mycorrhizal fungus, raising its bioenergetic potential. *ISME Journal*, **2016**, 10, 130-44	11.9	163

232	Gr and hp-1 tomato mutants unveil unprecedented interactions between arbuscular mycorrhizal symbiosis and fruit ripening. *Planta*, **2016**, 244, 155-65	4.7	13
231	Investigating the Endobacteria Which Thrive in Arbuscular Mycorrhizal Fungi. *Methods in Molecular Biology*, **2016**, 1399, 29-53	1.4	5
230	An interdomain network: the endobacterium of a mycorrhizal fungus promotes antioxidative responses in both fungal and plant hosts. *New Phytologist*, **2016**, 211, 265-75	9.8	48
229	The Mutualistic Interaction between Plants and Arbuscular Mycorrhizal Fungi. *Microbiology Spectrum*, **2016**, 4,	8.9	26
228	Nondegenerative Evolution in Ancient Heritable Bacterial Endosymbionts of Fungi. *Molecular Biology and Evolution*, **2016**, 33, 2216-31	8.3	10
227	Understanding plant cell-wall remodelling during the symbiotic interaction between Tuber melanosporum and Corylus avellana using a carbohydrate microarray. *Planta*, **2016**, 244, 347-59	4.7	17
226	Arbuscular Mycorrhizal Symbiosis Requires a Phosphate Transceptor in the Gigaspora margarita Fungal Symbiont. *Molecular Plant*, **2016**, 9, 1583-1608	14.4	52
225	Arbuscular mycorrhizal fungal diversity in the Tuber melanosporum brû *Fungal Biology*, **2015**, 119, 518-27	2.8	17
224	Differential spatio-temporal expression of carotenoid cleavage dioxygenases regulates apocarotenoid fluxes during AM symbiosis. *Plant Science*, **2015**, 230, 59-69	5.3	27
223	Arbuscular Mycorrhizas: The Lives of Beneficial Fungi and Their Plant Hosts **2015**, 235-245		4
222	Mosaic genome of endobacteria in arbuscular mycorrhizal fungi: Transkingdom gene transfer in an ancient mycoplasma-fungus association. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 7785-90	11.5	81
221	Effect of volatiles versus exudates released by germinating spores of Gigaspora margarita on lateral root formation. *Plant Physiology and Biochemistry*, **2015**, 97, 1-10	5.4	16
220	Endogone, one of the oldest plant-associated fungi, host unique Mollicutes-related endobacteria. *New Phytologist*, **2015**, 205, 1464-1472	9.8	57
219	From environmental microbiology to ecogenomics: spotting the emerging field of fungal-bacterial interactions. *Environmental Microbiology Reports*, **2015**, 7, 15-7	3.7	3
218	Fungal association and utilization of phosphate by plants: success, limitations, and future prospects. *Frontiers in Microbiology*, **2015**, 6, 984	5.7	66
217	The CRE1 cytokinin pathway is differentially recruited depending on Medicago truncatula root environments and negatively regulates resistance to a pathogen. *PLoS ONE*, **2015**, 10, e0116819	3.7	38
216	Early Lotus japonicus root transcriptomic responses to symbiotic and pathogenic fungal exudates. *Frontiers in Plant Science*, **2015**, 6, 480	6.2	27
215	Host and non-host roots in rice: cellular and molecular approaches reveal differential responses to arbuscular mycorrhizal fungi. *Frontiers in Plant Science*, **2015**, 6, 636	6.2	50

214	Gate crashing arbuscular mycorrhizas: in vivo imaging shows the extensive colonization of both symbionts by Trichoderma atroviride. *Environmental Microbiology Reports*, **2015**, 7, 64-77	3.7	30
213	Arbuscular mycorrhizal dialogues: do you speak 'plantish' or 'fungish'?. *Trends in Plant Science*, **2015**, 20, 150-4	13.1	98
212	Detection of a novel intracellular microbiome hosted in arbuscular mycorrhizal fungi. *ISME Journal*, **2014**, 8, 257-70	11.9	93
211	Gene expression and metabolite changes during Tuber magnatum fruiting body storage. *Current Genetics*, **2014**, 60, 285-94	2.9	4
210	Defense related phytohormones regulation in arbuscular mycorrhizal symbioses depends on the partner genotypes. *Journal of Chemical Ecology*, **2014**, 40, 791-803	2.7	63
209	The intracellular delivery of TAT-aequorin reveals calcium-mediated sensing of environmental and symbiotic signals by the arbuscular mycorrhizal fungus Gigaspora margarita. *New Phytologist*, **2014**, 203, 1012-20	9.8	16
208	From root to fruit: RNA-Seq analysis shows that arbuscular mycorrhizal symbiosis may affect tomato fruit metabolism. *BMC Genomics*, **2014**, 15, 221	4.5	103
207	Identification and functional characterization of a sulfate transporter induced by both sulfur starvation and mycorrhiza formation in Lotus japonicus. *New Phytologist*, **2014**, 204, 609-619	9.8	77
206	Cell wall remodeling in mycorrhizal symbiosis: a way towards biotrophism. *Frontiers in Plant Science*, **2014**, 5, 237	6.2	91
205	Rice flooding negatively impacts root branching and arbuscular mycorrhizal colonization, but not fungal viability. *Plant, Cell and Environment*, **2014**, 37, 557-72	8.4	55
204	Mollicutes-related endobacteria thrive inside liverwort-associated arbuscular mycorrhizal fungi. *Environmental Microbiology*, **2013**, 15, 822-36	5.2	21
203	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, 20117-22	11.5	499
202	Automated analysis of calcium spiking profiles with CaSA software: two case studies from root-microbe symbioses. *BMC Plant Biology*, **2013**, 13, 224	5.3	14
201	Carotenoid cleavage dioxygenase 7 modulates plant growth, reproduction, senescence, and determinate nodulation in the model legume Lotus japonicus. *Journal of Experimental Botany*, **2013** , 64, 1967-81	7	84
200	An AM-induced, MYB-family gene of Lotus japonicus (LjMAMI) affects root growth in an AM-independent manner. *Plant Journal*, **2013**, 73, 442-55	6.9	37
199	The expression of GintPT, the phosphate transporter of Rhizophagus irregularis, depends on the symbiotic status and phosphate availability. *Planta*, **2013**, 237, 1267-77	4.7	64
198	Arbuscular mycorrhizal fungi reduce growth and infect roots of the non-host plant Arabidopsis thaliana. *Plant, Cell and Environment*, **2013**, 36, 1926-37	8.4	69
197	Short-chain chitin oligomers from arbuscular mycorrhizal fungi trigger nuclear Ca2+ spiking in Medicago truncatula roots and their production is enhanced by strigolactone. *New Phytologist*, **2013**, 198, 190-202	9.8	332

196	Systems biology and "omics" tools: a cooperation for next-generation mycorrhizal studies. *Plant Science*, **2013**, 203-204, 107-14	5.3	55
195	454 Pyrosequencing Analysis of Fungal Assemblages from Geographically Distant, Disparate Soils Reveals Spatial Patterning and a Core Mycobiome. *Diversity*, **2013**, 5, 73-98	2.5	58
194	The Lotus japonicus MAMI gene links root development, arbuscular mycorrhizal symbiosis and phosphate availability. *Plant Signaling and Behavior*, **2013**, 8, e23414	2.5	9
193	Truffle brûlés have an impact on the diversity of soil bacterial communities. *PLoS ONE*, **2013**, 8, e61945	3.7	39
192	Authentication of prized white and black truffles in processed products using quantitative real-time PCR. *Food Research International*, **2012**, 48, 792-797	7	16
191	The mitochondrial genome of the arbuscular mycorrhizal fungus Gigaspora margarita reveals two unsuspected trans-splicing events of group I introns. *New Phytologist*, **2012**, 194, 836-845	9.8	40
190	The detection of mating type genes of Tuber melanosporum in productive and non productive soils. *Applied Soil Ecology*, **2012**, 57, 9-15	5	29
189	Two putative-aquaporin genes are differentially expressed during arbuscular mycorrhizal symbiosis in Lotus japonicus. *BMC Plant Biology*, **2012**, 12, 186	5.3	53
188	The arbuscular mycorrhizal status has an impact on the transcriptome profile and amino acid composition of tomato fruit. *BMC Plant Biology*, **2012**, 12, 44	5.3	78
187	The computational-based structure of Dwarf14 provides evidence for its role as potential strigolactone receptor in plants. *BMC Research Notes*, **2012**, 5, 307	2.3	26
186	Ascorbate oxidase: the unexpected involvement of a 'wasteful enzyme' in the symbioses with nitrogen-fixing bacteria and arbuscular mycorrhizal fungi. *Plant Physiology and Biochemistry*, **2012**, 59, 71-9	5.4	22
185	Effects of different management practices on arbuscular mycorrhizal fungal diversity in maize fields by a molecular approach. *Biology and Fertility of Soils*, **2012**, 48, 911-922	6.1	62
184	Unravelling soil fungal communities from different Mediterranean land-use backgrounds. *PLoS ONE* , **2012**, 7, e34847	3.7	125
183	Rhizobium-legume symbiosis shares an exocytotic pathway required for arbuscule formation. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 8316-21	11.5	153
182	Genome-wide analysis of cell wall-related genes in Tuber melanosporum. *Current Genetics*, **2012**, 58, 165-77	2.9	27
181	The exudate from an arbuscular mycorrhizal fungus induces nitric oxide accumulation in Medicago truncatula roots. *Mycorrhiza*, **2012**, 22, 259-69	3.9	49
180	The transcriptome of the arbuscular mycorrhizal fungus Glomus intraradices (DAOM 197198) reveals functional tradeoffs in an obligate symbiont. *New Phytologist*, **2012**, 193, 755-769	9.8	262
179	The genome of the obligate endobacterium of an AM fungus reveals an interphylum network of nutritional interactions. *ISME Journal*, **2012**, 6, 136-45	11.9	128

178	The arbuscular mycorrhizal symbiosis: origin and evolution of a beneficial plant infection. *PLoS Pathogens*, **2012**, 8, e1002600	7.6	63
177	Multiple exocytotic markers accumulate at the sites of perifungal membrane biogenesis in arbuscular mycorrhizas. *Plant and Cell Physiology*, **2012**, 53, 244-55	4.9	78
176	Plant genes related to gibberellin biosynthesis and signaling are differentially regulated during the early stages of AM fungal interactions. *Molecular Plant*, **2012**, 5, 951-4	14.4	33
175	Discrimination of Gigaspora species by PCR specific primers and phylogenetic analysis. *Mycotaxon*, **2012**, 118, 17-26	0.5	1
174	ITS-1 versus ITS-2 pyrosequencing: a comparison of fungal populations in truffle grounds. *Mycologia* , **2011**, 103, 1184-93	2.4	101
173	Arbuscular Mycorrhizas and N Acquisition by Plants **2011**, 52-68		6
172	The Perigord black truffle responds to cold temperature with an extensive reprogramming of its transcriptional activity. *Fungal Genetics and Biology*, **2011**, 48, 585-91	3.9	32
171	Hyphal and cytoskeleton polarization in Tuber melanosporum: a genomic and cellular analysis. *Fungal Genetics and Biology*, **2011**, 48, 561-72	3.9	14
170	Arbuscular mycorrhizal hyphopodia and germinated spore exudates trigger Ca2+ spiking in the legume and nonlegume root epidermis. *New Phytologist*, **2011**, 189, 347-55	9.8	139
169	Genomic suppression subtractive hybridization as a tool to identify differences in mycorrhizal fungal genomes. *FEMS Microbiology Letters*, **2011**, 318, 115-22	2.9	5
168	Dating in the dark: how roots respond to fungal signals to establish arbuscular mycorrhizal symbiosis. *Current Opinion in Plant Biology*, **2011**, 14, 451-7	9.9	98
167	AM fungal exudates activate MAP kinases in plant cells in dependence from cytosolic Ca(2+) increase. *Plant Physiology and Biochemistry*, **2011**, 49, 963-9	5.4	8
166	Root starch accumulation in response to arbuscular mycorrhizal colonization differs among Lotus japonicus starch mutants. *Planta*, **2011**, 234, 639-46	4.7	11
165	Unique arbuscular mycorrhizal fungal communities uncovered in date palm plantations and surrounding desert habitats of Southern Arabia. *Mycorrhiza*, **2011**, 21, 195-209	3.9	42
164	LjLHT1.2 mycorrhiza-inducible plant amino acid transporter from Lotus japonicus. *Biology and Fertility of Soils*, **2011**, 47, 925-936	6.1	29
163	A rice calcium-dependent protein kinase is expressed in cortical root cells during the presymbiotic phase of the arbuscular mycorrhizal symbiosis. *BMC Plant Biology*, **2011**, 11, 90	5.3	29
162	New Potent Fluorescent Analogues of Strigolactones: Synthesis and Biological Activity in Parasitic Weed Germination and Fungal Branching. *European Journal of Organic Chemistry*, **2011**, 2011, 3781-3793	3.2	61
161	A Modular Database Architecture Enabled to Comparative Sequence Analysis. *Lecture Notes in Computer Science*, **2011**, 124-147	0.9	

160	Tuber melanosporum, when dominant, affects fungal dynamics in truffle grounds. *New Phytologist*, **2010**, 185, 237-47	9.8	65
159	A glimpse into the past of land plants and of their mycorrhizal affairs: from fossils to evo-devo. *New Phytologist*, **2010**, 186, 267-70	9.8	34
158	Soil analysis reveals the presence of an extended mycelial network in a Tuber magnatum truffle-ground. *FEMS Microbiology Ecology*, **2010**, 71, 43-9	4.3	46
157	The obligate endobacteria of arbuscular mycorrhizal fungi are ancient heritable components related to the Mollicutes. *ISME Journal*, **2010**, 4, 862-71	11.9	106
156	Pfigord black truffle genome uncovers evolutionary origins and mechanisms of symbiosis. *Nature*, **2010**, 464, 1033-8	50.4	545
155	Endobacteria affect the metabolic profile of their host Gigaspora margarita, an arbuscular mycorrhizal fungus. *Environmental Microbiology*, **2010**, 12, 2083-95	5.2	32
154	Common and not so common symbiotic entry. *Trends in Plant Science*, **2010**, 15, 540-5	13.1	30
153	Bacterial and fungal communities associated with Tuber magnatum-productive niches. *Plant Biosystems*, **2010**, 144, 323-332	1.6	36
152	Disclosing arbuscular mycorrhizal fungal biodiversity in soil through a land-use gradient using a pyrosequencing approach. *Environmental Microbiology*, **2010**, 12, 2165-79	5.2	239
151	Mechanisms underlying beneficial plant-fungus interactions in mycorrhizal symbiosis. *Nature Communications*, **2010**, 1, 48	17.4	678
150	The Making of Symbiotic Cells in Arbuscular Mycorrhizal Roots **2010**, 57-71		17
149	The ftsZ gene of the endocellular bacterium 'Candidatus Glomeribacter gigasporarum' is preferentially expressed during the symbiotic phases of its host mycorrhizal fungus. *Molecular Plant-Microbe Interactions*, **2009**, 22, 302-10	3.6	27
148	A mycorrhizal-specific ammonium transporter from Lotus japonicus acquires nitrogen released by arbuscular mycorrhizal fungi. *Plant Physiology*, **2009**, 150, 73-83	6.6	224
147	Application of Laser Microdissection to plant pathogenic and symbiotic interactions. *Journal of Plant Interactions*, **2009**, 4, 81-92	3.8	25
146	Biotic and abiotic stimulation of root epidermal cells reveals common and specific responses to arbuscular mycorrhizal fungi. *Plant Physiology*, **2009**, 149, 1424-34	6.6	66
145	Ectomycorrhizal Inocybe species associate with the mycoheterotrophic orchid Epipogium aphyllum but not its asexual propagules. *Annals of Botany*, **2009**, 104, 595-610	4.1	54
144	Cell-specific gene expression of phosphate transporters in mycorrhizal tomato roots. *Biology and Fertility of Soils*, **2009**, 45, 845-853	6.1	29
143	Rice root colonisation by mycorrhizal and endophytic fungi in aerobic soil. *Annals of Applied Biology*, **2009**, 154, 195-204	2.6	60

142	PCR primers specific for the genus Tuber reveal the presence of several truffle species in a truffle-ground. *FEMS Microbiology Letters*, **2009**, 297, 67-72	2.9	17
141	Genome-wide reprogramming of regulatory networks, transport, cell wall and membrane biogenesis during arbuscular mycorrhizal symbiosis in Lotus japonicus. *New Phytologist*, **2009**, 182, 200-212	9.8	250
140	Presymbiotic factors released by the arbuscular mycorrhizal fungus Gigaspora margarita induce starch accumulation in Lotus japonicus roots. *New Phytologist*, **2009**, 183, 53-61	9.8	55
139	Independent recruitment of saprotrophic fungi as mycorrhizal partners by tropical achlorophyllous orchids. *New Phytologist*, **2009**, 184, 668-681	9.8	142
138	Plants, mycorrhizal fungi, and bacteria: a network of interactions. *Annual Review of Microbiology*, **2009**, 63, 363-83	17.5	533
137	A new class of conjugated strigolactone analogues with fluorescent properties: synthesis and biological activity. *Organic and Biomolecular Chemistry*, **2009**, 7, 3413-20	3.9	69
136	Establishment and Functioning of Arbuscular Mycorrhizas **2009**, 259-274		3
135	Is the Perigord black truffle threatened by an invasive species? We dreaded it and it has happened!. *New Phytologist*, **2008**, 178, 699-702	9.8	56
134	Simultaneous detection and quantification of the unculturable microbe Candidatus Glomeribacter gigasporarum inside its fungal host Gigaspora margarita. *New Phytologist*, **2008**, 180, 248-257	9.8	18
133	Molecular phylogeny and historical biogeography of the genus Tuber, the true truffles *Journal of Biogeography*, **2008**, 35, 815-829	4.1	107
132	Laser Microdissection (LM): Applications to plant materials. *Plant Biosystems*, **2008**, 142, 331-336	1.6	22
131	Plants and arbuscular mycorrhizal fungi: an evolutionary-developmental perspective. *Trends in Plant Science*, **2008**, 13, 492-8	13.1	236
130	Prepenetration apparatus assembly precedes and predicts the colonization patterns of arbuscular mycorrhizal fungi within the root cortex of both Medicago truncatula and Daucus carota. *Plant Cell*, **2008**, 20, 1407-20	11.6	236
129	Characterization of an amino acid permease from the endomycorrhizal fungus Glomus mosseae. *Plant Physiology*, **2008**, 147, 429-37	6.6	86
128	Dissecting the Rhizosphere complexity: The truffle-ground study case. *Rendiconti Lincei*, **2008**, 19, 241-259	1.7	10
127	The arbuscular mycorrhizal fungus Glomus intraradices induces intracellular calcium changes in soybean cells. *Caryologia*, **2007**, 60, 137-140		6
126	Identification of internal transcribed spacer sequence motifs in truffles: a first step toward their DNA bar coding. *Applied and Environmental Microbiology*, **2007**, 73, 5320-30	4.8	23
125	Presymbiotic growth and sporal morphology are affected in the arbuscular mycorrhizal fungus Gigaspora margarita cured of its endobacteria. *Cellular Microbiology*, **2007**, 9, 1716-29	3.9	112

124	Truffle volatiles inhibit growth and induce an oxidative burst in Arabidopsis thaliana. *New Phytologist*, **2007**, 175, 417-424	9.8	144
123	The role of the glyoxylate cycle in the symbiotic fungus Tuber borchii: expression analysis and subcellular localization. *Current Genetics*, **2007**, 52, 159-70	2.9	7
122	Discrimination of truffle fruiting body versus mycelial aromas by stir bar sorptive extraction. *Phytochemistry*, **2007**, 68, 2584-98	4	120
121	A limiting source of organic nitrogen induces specific transcriptional responses in the extraradical structures of the endomycorrhizal fungus Glomus intraradices. *Current Genetics*, **2007**, 51, 59-70	2.9	18
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