

Paola Bonfante

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#	Paper	IF	Citations
285	Mechanisms underlying beneficial plant-fungus interactions in mycorrhizal symbiosis. <i>Nature Communications</i> , 2010 , 1, 48	17.4	678
284	Pfigord black truffle genome uncovers evolutionary origins and mechanisms of symbiosis. <i>Nature</i> , 2010 , 464, 1033-8	50.4	545
283	Plants, mycorrhizal fungi, and bacteria: a network of interactions. <i>Annual Review of Microbiology</i> , 2009 , 63, 363-83	17.5	533
282	Genome of an arbuscular mycorrhizal fungus provides insight into the oldest plant symbiosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 20117-22	11.5	499
281	Arbuscular mycorrhizal fungi elicit a novel intracellular apparatus in <i>Medicago truncatula</i> root epidermal cells before infection. <i>Plant Cell</i> , 2005 , 17, 3489-99	11.6	366
280	Short-chain chitin oligomers from arbuscular mycorrhizal fungi trigger nuclear Ca ²⁺ spiking in <i>Medicago truncatula</i> roots and their production is enhanced by strigolactone. <i>New Phytologist</i> , 2013 , 198, 190-202	9.8	332
279	The transcriptome of the arbuscular mycorrhizal fungus <i>Glomus intraradices</i> (DAOM 197198) reveals functional tradeoffs in an obligate symbiont. <i>New Phytologist</i> , 2012 , 193, 755-769	9.8	262
278	Genome-wide reprogramming of regulatory networks, transport, cell wall and membrane biogenesis during arbuscular mycorrhizal symbiosis in <i>Lotus japonicus</i> . <i>New Phytologist</i> , 2009 , 182, 200-212	9.8	250
277	Bacterial-fungal interactions: ecology, mechanisms and challenges. <i>FEMS Microbiology Reviews</i> , 2018 , 42, 335-352	15.1	239
276	Disclosing arbuscular mycorrhizal fungal biodiversity in soil through a land-use gradient using a pyrosequencing approach. <i>Environmental Microbiology</i> , 2010 , 12, 2165-79	5.2	239
275	Tansley Review No. 82. Strategies of arbuscular mycorrhizal fungi when infecting host plants. <i>New Phytologist</i> , 1995 , 130, 3-21	9.8	237
274	Plants and arbuscular mycorrhizal fungi: an evolutionary-developmental perspective. <i>Trends in Plant Science</i> , 2008 , 13, 492-8	13.1	236
273	Prepenetration apparatus assembly precedes and predicts the colonization patterns of arbuscular mycorrhizal fungi within the root cortex of both <i>Medicago truncatula</i> and <i>Daucus carota</i> . <i>Plant Cell</i> , 2008 , 20, 1407-20	11.6	236
272	A mycorrhizal-specific ammonium transporter from <i>Lotus japonicus</i> acquires nitrogen released by arbuscular mycorrhizal fungi. <i>Plant Physiology</i> , 2009 , 150, 73-83	6.6	224
271	Laser microdissection reveals that transcripts for five plant and one fungal phosphate transporter genes are contemporaneously present in arbusculated cells. <i>Molecular Plant-Microbe Interactions</i> , 2007 , 20, 1055-62	3.6	164
270	Symbiosis with an endobacterium increases the fitness of a mycorrhizal fungus, raising its bioenergetic potential. <i>ISME Journal</i> , 2016 , 10, 130-44	11.9	163
269	Chitinase in roots of mycorrhizal <i>Allium porrum</i> : regulation and localization. <i>Planta</i> , 1989 , 177, 447-55	4.7	160

268	Rhizobium-legume symbiosis shares an exocytotic pathway required for arbuscule formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 8316-21	11.5	153
267	Truffle volatiles inhibit growth and induce an oxidative burst in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2007 , 175, 417-424	9.8	144
266	Differential expression of a metallothionein gene during the presymbiotic versus the symbiotic phase of an arbuscular mycorrhizal fungus. <i>Plant Physiology</i> , 2002 , 130, 58-67	6.6	144
265	Truffles: much more than a prized and local fungal delicacy. <i>FEMS Microbiology Letters</i> , 2006 , 260, 1-8	2.9	143
264	Independent recruitment of saprotrophic fungi as mycorrhizal partners by tropical achlorophyllous orchids. <i>New Phytologist</i> , 2009 , 184, 668-681	9.8	142
263	' <i>Candidatus glomeribacter gigasporarum</i> ' gen. nov., sp. nov., an endosymbiont of arbuscular mycorrhizal fungi. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003 , 53, 121-124	2.2	142
262	Expression profiles of a phosphate transporter gene (GmosPT) from the endomycorrhizal fungus <i>Glomus mosseae</i> . <i>Mycorrhiza</i> , 2005 , 15, 620-627	3.9	142
261	Arbuscular mycorrhizal hyphopodia and germinated spore exudates trigger Ca ²⁺ spiking in the legume and nonlegume root epidermis. <i>New Phytologist</i> , 2011 , 189, 347-55	9.8	139
260	Detection and identification of bacterial endosymbionts in arbuscular mycorrhizal fungi belonging to the family Gigasporaceae. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 4503-9	4.8	139
259	Polymorphism at the ribosomal DNA ITS and its relation to postglacial re-colonization routes of the Perigord truffle <i>Tuber melanosporum</i> . <i>New Phytologist</i> , 2004 , 164, 401-411	9.8	137
258	A diffusible signal from arbuscular mycorrhizal fungi elicits a transient cytosolic calcium elevation in host plant cells. <i>Plant Physiology</i> , 2007 , 144, 673-81	6.6	135
257	The mycorrhizal fungus <i>Gigaspora margarita</i> possesses a CuZn superoxide dismutase that is up-regulated during symbiosis with legume hosts. <i>Plant Physiology</i> , 2005 , 137, 1319-30	6.6	132
256	The genome of the obligate endobacterium of an AM fungus reveals an interphylum network of nutritional interactions. <i>ISME Journal</i> , 2012 , 6, 136-45	11.9	128
255	Unravelling soil fungal communities from different Mediterranean land-use backgrounds. <i>PLoS ONE</i> , 2012 , 7, e34847	3.7	125
254	Discrimination of truffle fruiting body versus mycelial aromas by stir bar sorptive extraction. <i>Phytochemistry</i> , 2007 , 68, 2584-98	4	120
253	The <i>Lotus japonicus</i> LjSym4 gene is required for the successful symbiotic infection of root epidermal cells. <i>Molecular Plant-Microbe Interactions</i> , 2000 , 13, 1109-20	3.6	120
252	Nitrogen fixation genes in an endosymbiotic Burkholderia strain. <i>Applied and Environmental Microbiology</i> , 2001 , 67, 725-32	4.8	117
251	<i>Cephalanthera longifolia</i> (Neottieae, Orchidaceae) is mixotrophic: a comparative study between green and nonphotosynthetic individuals. <i>Canadian Journal of Botany</i> , 2006 , 84, 1462-1477		116

250	Presymbiotic growth and sporal morphology are affected in the arbuscular mycorrhizal fungus <i>Gigaspora margarita</i> cured of its endobacteria. <i>Cellular Microbiology</i> , 2007 , 9, 1716-29	3.9	112
249	Molecular identification of mycorrhizal fungi by direct amplification of microsatellite regions. <i>Mycological Research</i> , 1997 , 101, 425-432		111
248	Amplification of genomic DNA of arbuscular-mycorrhizal (AM) fungi by PCR using short arbitrary primers. <i>Mycological Research</i> , 1993 , 97, 1351-1357		110
247	Molecular phylogeny and historical biogeography of the genus <i>Tuber</i> , the true truffles. <i>Journal of Biogeography</i> , 2008 , 35, 815-829	4.1	107
246	Glomeromycotean associations in liverworts: a molecular, cellular, and taxonomic analysis. <i>American Journal of Botany</i> , 2007 , 94, 1756-77	2.7	107
245	Cellulose and pectin localization in roots of mycorrhizal <i>Allium porrum</i> : labelling continuity between host cell wall and interfacial material. <i>Planta</i> , 1990 , 180, 537-47	4.7	107
244	The obligate endobacteria of arbuscular mycorrhizal fungi are ancient heritable components related to the Mollicutes. <i>ISME Journal</i> , 2010 , 4, 862-71	11.9	106
243	From root to fruit: RNA-Seq analysis shows that arbuscular mycorrhizal symbiosis may affect tomato fruit metabolism. <i>BMC Genomics</i> , 2014 , 15, 221	4.5	103
242	Transcriptome analysis of arbuscular mycorrhizal roots during development of the prepenetration apparatus. <i>Plant Physiology</i> , 2007 , 144, 1455-66	6.6	103
241	Vertical transmission of endobacteria in the arbuscular mycorrhizal fungus <i>Gigaspora margarita</i> through generation of vegetative spores. <i>Applied and Environmental Microbiology</i> , 2004 , 70, 3600-8	4.8	103
240	ITS-1 versus ITS-2 pyrosequencing: a comparison of fungal populations in truffle grounds. <i>Mycologia</i> , 2011 , 103, 1184-93	2.4	101
239	Assessment of arbuscular mycorrhizal fungal diversity in roots of <i>Solidago gigantea</i> growing in a polluted soil in Northern Italy. <i>Environmental Microbiology</i> , 2006 , 8, 971-83	5.2	99
238	Morphological and molecular typing of the below-ground fungal community in a natural <i>Tuber magnatum</i> truffle-ground. <i>FEMS Microbiology Letters</i> , 2005 , 245, 307-13	2.9	99
237	Arbuscular mycorrhizal dialogues: do you speak 'plantish' or 'fungish'?. <i>Trends in Plant Science</i> , 2015 , 20, 150-4	13.1	98
236	Dating in the dark: how roots respond to fungal signals to establish arbuscular mycorrhizal symbiosis. <i>Current Opinion in Plant Biology</i> , 2011 , 14, 451-7	9.9	98
235	Mucoid mutants of the biocontrol strain <i>Pseudomonas fluorescens</i> CHA0 show increased ability in biofilm formation on mycorrhizal and nonmycorrhizal carrot roots. <i>Molecular Plant-Microbe Interactions</i> , 2001 , 14, 255-60	3.6	96
234	Intrasporal variability of ribosomal sequences in the endomycorrhizal fungus <i>Gigaspora margarita</i> . <i>Molecular Ecology</i> , 1999 , 8, 37-45	5.7	96
233	Detection of a novel intracellular microbiome hosted in arbuscular mycorrhizal fungi. <i>ISME Journal</i> , 2014 , 8, 257-70	11.9	93

232	Cell wall remodeling in mycorrhizal symbiosis: a way towards biotrophism. <i>Frontiers in Plant Science</i> , 2014 , 5, 237	6.2	91
231	Actin versus tubulin configuration in arbuscule-containing cells from mycorrhizal tobacco roots. <i>New Phytologist</i> , 1998 , 140, 745-752	9.8	89
230	Who lives in a fungus? The diversity, origins and functions of fungal endobacteria living in Mucoromycota. <i>ISME Journal</i> , 2017 , 11, 1727-1735	11.9	88
229	Characterization of an amino acid permease from the endomycorrhizal fungus <i>Glomus mosseae</i> . <i>Plant Physiology</i> , 2008 , 147, 429-37	6.6	86
228	Isolation, free-living capacities, and genome structure of "Candidatus Glomeribacter gigasporarum," the endocellular bacterium of the mycorrhizal fungus <i>Gigaspora margarita</i> . <i>Journal of Bacteriology</i> , 2004 , 186, 6876-84	3.5	85
227	Carotenoid cleavage dioxygenase 7 modulates plant growth, reproduction, senescence, and determinate nodulation in the model legume <i>Lotus japonicus</i> . <i>Journal of Experimental Botany</i> , 2013 , 64, 1967-81	7	84
226	Storage and secretion processes in the spore of <i>Gigaspora margarita</i> Becker & Hall as revealed by high-pressure freezing and freeze substitution. <i>New Phytologist</i> , 1994 , 128, 93-101	9.8	82
225	Mosaic genome of endobacteria in arbuscular mycorrhizal fungi: Transkingdom gene transfer in an ancient mycoplasma-fungus association. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 7785-90	11.5	81
224	Inhibition of fungal growth by plant chitinases and β ,3-glucanases. <i>Protoplasma</i> , 1992 , 171, 34-43	3.4	80
223	The arbuscular mycorrhizal status has an impact on the transcriptome profile and amino acid composition of tomato fruit. <i>BMC Plant Biology</i> , 2012 , 12, 44	5.3	78
222	Multiple exocytotic markers accumulate at the sites of perifungal membrane biogenesis in arbuscular mycorrhizas. <i>Plant and Cell Physiology</i> , 2012 , 53, 244-55	4.9	78
221	Identification and functional characterization of a sulfate transporter induced by both sulfur starvation and mycorrhiza formation in <i>Lotus japonicus</i> . <i>New Phytologist</i> , 2014 , 204, 609-619	9.8	77
220	Impact of biocontrol <i>Pseudomonas fluorescens</i> CHA0 and a genetically modified derivative on the diversity of culturable fungi in the cucumber rhizosphere. <i>Applied and Environmental Microbiology</i> , 2001 , 67, 1851-64	4.8	77
219	Transcriptional activation of a maize β tubulin gene in mycorrhizal maize and transgenic tobacco plants. <i>Plant Journal</i> , 1996 , 9, 737-743	6.9	76
218	Unique and common traits in mycorrhizal symbioses. <i>Nature Reviews Microbiology</i> , 2020 , 18, 649-660	22.2	76
217	Bacterial associations with mycorrhizal fungi: close and distant friends in the rhizosphere. <i>Trends in Microbiology</i> , 1997 , 5, 496-501	12.4	75
216	Dual requirement of the <i>LjSym4</i> gene for mycorrhizal development in epidermal and cortical cells of <i>Lotus japonicus</i> roots. <i>New Phytologist</i> , 2002 , 154, 741-749	9.8	74
215	Arbuscular mycorrhizal fungi: a specialised niche for rhizospheric and endocellular bacteria. <i>Antonie Van Leeuwenhoek</i> , 2002 , 81, 365-71	2.1	72

214	Ericoid mycorrhizal fungi from heavy metal polluted soils: their identification and growth in the presence of zinc ions. <i>Mycological Research</i> , 2000 , 104, 338-344		72
213	Arbuscular mycorrhizal fungi reduce growth and infect roots of the non-host plant <i>Arabidopsis thaliana</i> . <i>Plant, Cell and Environment</i> , 2013 , 36, 1926-37	8.4	69
212	A new class of conjugated strigolactone analogues with fluorescent properties: synthesis and biological activity. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 3413-20	3.9	69
211	A nutrient-regulated, dual localization phospholipase A(2) in the symbiotic fungus <i>Tuber borchii</i> . <i>EMBO Journal</i> , 2001 , 20, 5079-90	13	68
210	Immunolocalization of hydrophobin HYDPT-1 from the ectomycorrhizal basidiomycete <i>Pisolithus tinctorius</i> during colonization of <i>Eucalyptus globulus</i> roots. <i>New Phytologist</i> , 2001 , 149, 127-135	9.8	67
209	Fungal association and utilization of phosphate by plants: success, limitations, and future prospects. <i>Frontiers in Microbiology</i> , 2015 , 6, 984	5.7	66
208	Biotic and abiotic stimulation of root epidermal cells reveals common and specific responses to arbuscular mycorrhizal fungi. <i>Plant Physiology</i> , 2009 , 149, 1424-34	6.6	66
207	Comparative structure of vesicular-arbuscular mycorrhizas and ectomycorrhizas. <i>Plant and Soil</i> , 1994 , 159, 79-88	4.2	66
206	The apocarotenoid metabolite zaxinone regulates growth and strigolactone biosynthesis in rice. <i>Nature Communications</i> , 2019 , 10, 810	17.4	66
205	<i>Tuber melanosporum</i> , when dominant, affects fungal dynamics in truffle grounds. <i>New Phytologist</i> , 2010 , 185, 237-47	9.8	65
204	The expression of GintPT, the phosphate transporter of <i>Rhizophagus irregularis</i> , depends on the symbiotic status and phosphate availability. <i>Planta</i> , 2013 , 237, 1267-77	4.7	64
203	Localization of ascorbic acid, ascorbic acid oxidase, and glutathione in roots of <i>Cucurbita maxima</i> L. <i>Journal of Experimental Botany</i> , 2004 , 55, 2589-97	7	64
202	Cell wall proteins of the ectomycorrhizal basidiomycete <i>Pisolithus tinctorius</i> : identification, function, and expression in symbiosis. <i>Fungal Genetics and Biology</i> , 1999 , 27, 161-74	3.9	64
201	Defense related phytohormones regulation in arbuscular mycorrhizal symbioses depends on the partner genotypes. <i>Journal of Chemical Ecology</i> , 2014 , 40, 791-803	2.7	63
200	The arbuscular mycorrhizal symbiosis: origin and evolution of a beneficial plant infection. <i>PLoS Pathogens</i> , 2012 , 8, e1002600	7.6	63
199	The phosphate transporters LjPT4 and MtPT4 mediate early root responses to phosphate status in non mycorrhizal roots. <i>Plant, Cell and Environment</i> , 2016 , 39, 660-71	8.4	62
198	Effects of different management practices on arbuscular mycorrhizal fungal diversity in maize fields by a molecular approach. <i>Biology and Fertility of Soils</i> , 2012 , 48, 911-922	6.1	62
197	Ericoid mycorrhizal fungi: cellular and molecular bases of their interactions with the host plant. <i>Canadian Journal of Botany</i> , 1995 , 73, 557-568		62

196	Native soils with their microbiotas elicit a state of alert in tomato plants. <i>New Phytologist</i> , 2018 , 220, 1296-1308	9.8	61
195	New Potent Fluorescent Analogues of Strigolactones: Synthesis and Biological Activity in Parasitic Weed Germination and Fungal Branching. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 3781-3793 ^{3,2}		61
194	Isolation and characterization of differentially expressed genes in the mycelium and fruit body of <i>Tuber borchii</i> . <i>Applied and Environmental Microbiology</i> , 2002 , 68, 4574-82	4.8	61
193	Strigolactones cross the kingdoms: plants, fungi, and bacteria in the arbuscular mycorrhizal symbiosis. <i>Journal of Experimental Botany</i> , 2018 , 69, 2175-2188	7	60
192	Rice root colonisation by mycorrhizal and endophytic fungi in aerobic soil. <i>Annals of Applied Biology</i> , 2009 , 154, 195-204	2.6	60
191	A novel class of ectomycorrhiza-regulated cell wall polypeptides in <i>Pisolithus tinctorius</i> . <i>Molecular Plant-Microbe Interactions</i> , 1999 , 12, 862-71	3.6	59
190	454 Pyrosequencing Analysis of Fungal Assemblages from Geographically Distant, Disparate Soils Reveals Spatial Patterning and a Core Mycobiome. <i>Diversity</i> , 2013 , 5, 73-98	2.5	58
189	Differential location of alpha-expansin proteins during the accommodation of root cells to an arbuscular mycorrhizal fungus. <i>Planta</i> , 2005 , 220, 889-99	4.7	58
188	Endogone, one of the oldest plant-associated fungi, host unique Mollicutes-related endobacteria. <i>New Phytologist</i> , 2015 , 205, 1464-1472	9.8	57
187	Is the Perigord black truffle threatened by an invasive species? We dreaded it and it has happened!. <i>New Phytologist</i> , 2008 , 178, 699-702	9.8	56
186	Rice flooding negatively impacts root branching and arbuscular mycorrhizal colonization, but not fungal viability. <i>Plant, Cell and Environment</i> , 2014 , 37, 557-72	8.4	55
185	Systems biology and "omics" tools: a cooperation for next-generation mycorrhizal studies. <i>Plant Science</i> , 2013 , 203-204, 107-14	5.3	55
184	Presymbiotic factors released by the arbuscular mycorrhizal fungus <i>Gigaspora margarita</i> induce starch accumulation in <i>Lotus japonicus</i> roots. <i>New Phytologist</i> , 2009 , 183, 53-61	9.8	55
183	DNA probes for identification of the ectomycorrhizal fungus <i>Tuber magnatum</i> Pico. <i>FEMS Microbiology Letters</i> , 1993 , 114, 245-51	2.9	55
182	Ectomycorrhizal <i>Inocybe</i> species associate with the mycoheterotrophic orchid <i>Epipogium aphyllum</i> but not its asexual propagules. <i>Annals of Botany</i> , 2009 , 104, 595-610	4.1	54
181	Omics approaches revealed how arbuscular mycorrhizal symbiosis enhances yield and resistance to leaf pathogen in wheat. <i>Scientific Reports</i> , 2018 , 8, 9625	4.9	54
180	Two putative-aquaporin genes are differentially expressed during arbuscular mycorrhizal symbiosis in <i>Lotus japonicus</i> . <i>BMC Plant Biology</i> , 2012 , 12, 186	5.3	53
179	Arbuscular Mycorrhizal Symbiosis Requires a Phosphate Transceptor in the <i>Gigaspora margarita</i> Fungal Symbiont. <i>Molecular Plant</i> , 2016 , 9, 1583-1608	14.4	52

178	Pezizomycetes genomes reveal the molecular basis of ectomycorrhizal truffle lifestyle. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1956-1965	12.3	52
177	Host and non-host roots in rice: cellular and molecular approaches reveal differential responses to arbuscular mycorrhizal fungi. <i>Frontiers in Plant Science</i> , 2015 , 6, 636	6.2	50
176	Specific PCR-primers as a reliable tool for the detection of white truffles in mycorrhizal roots. <i>New Phytologist</i> , 1999 , 141, 511-516	9.8	50
175	The exudate from an arbuscular mycorrhizal fungus induces nitric oxide accumulation in <i>Medicago truncatula</i> roots. <i>Mycorrhiza</i> , 2012 , 22, 259-69	3.9	49
174	<i>Tuber magnatum</i> Pico, a species of limited geographical distribution: its genetic diversity inside and outside a truffle ground. <i>Environmental Microbiology</i> , 2005 , 7, 55-65	5.2	49
173	Expression and localization of polygalacturonase during the outgrowth of lateral roots in <i>Allium porrum</i> L. <i>Planta</i> , 1992 , 188, 164-72	4.7	49
172	Genetic variability of <i>Tuber uncinatum</i> and its relatedness to other black truffles. <i>Environmental Microbiology</i> , 2002 , 4, 584-94	5.2	48
171	An interdomain network: the endobacterium of a mycorrhizal fungus promotes antioxidative responses in both fungal and plant hosts. <i>New Phytologist</i> , 2016 , 211, 265-75	9.8	48
170	A Burkholderia Strain Living Inside the Arbuscular Mycorrhizal Fungus <i>Gigaspora margarita</i> Possesses the vacB Gene, Which Is Involved in Host Cell Colonization by Bacteria. <i>Microbial Ecology</i> , 2000 , 39, 137-144	4.4	47
169	Soil analysis reveals the presence of an extended mycelial network in a <i>Tuber magnatum</i> truffle-ground. <i>FEMS Microbiology Ecology</i> , 2010 , 71, 43-9	4.3	46
168	Soil metaproteomics reveals an inter-kingdom stress response to the presence of black truffles. <i>Scientific Reports</i> , 2016 , 6, 25773	4.9	45
167	Phylogenetic analysis of Glomeromycota by partial LSU rDNA sequences. <i>Mycorrhiza</i> , 2006 , 16, 183-189	3.9	45
166	The interface between fungal hyphae and orchid protocorm cells. <i>Canadian Journal of Botany</i> , 1996 , 74, 1861-1870		44
165	Epidermal cells of a symbiosis-defective mutant of <i>Lotus japonicus</i> show altered cytoskeleton organisation in the presence of a mycorrhizal fungus. <i>Protoplasma</i> , 2002 , 219, 43-50	3.4	43
164	Location of a cell-wall hydroxyproline-rich glycoprotein, cellulose and β 1,3-glucans in apical and differentiated regions of maize mycorrhizal roots. <i>Planta</i> , 1994 , 195, 201	4.7	43
163	Unique arbuscular mycorrhizal fungal communities uncovered in date palm plantations and surrounding desert habitats of Southern Arabia. <i>Mycorrhiza</i> , 2011 , 21, 195-209	3.9	42
162	Building a mycorrhizal cell: How to reach compatibility between plants and arbuscular mycorrhizal fungi. <i>Journal of Plant Interactions</i> , 2005 , 1, 3-13	3.8	42
161	Polygalacturonase activity and location in arbuscular mycorrhizal roots of <i>Allium porrum</i> L.. <i>Mycorrhiza</i> , 1995 , 5, 157-163	3.9	42

160	The mitochondrial genome of the arbuscular mycorrhizal fungus <i>Gigaspora margarita</i> reveals two unsuspected trans-splicing events of group I introns. <i>New Phytologist</i> , 2012 , 194, 836-845	9.8	40
159	Functional properties and differential mode of regulation of the nitrate transporter from a plant symbiotic ascomycete. <i>Biochemical Journal</i> , 2006 , 394, 125-34	3.8	40
158	Truffle bristles have an impact on the diversity of soil bacterial communities. <i>PLoS ONE</i> , 2013 , 8, e61945	3.7	39
157	Chrysotile asbestos is progressively converted into a non-fibrous amorphous material by the chelating action of lichen metabolites. <i>Journal of Environmental Monitoring</i> , 2005 , 7, 764-6		39
156	Distinctive properties and expression profiles of glutamine synthetase from a plant symbiotic fungus. <i>Biochemical Journal</i> , 2003 , 373, 357-68	3.8	39
155	Expression of chitin synthase genes in the arbuscular mycorrhizal fungus <i>Gigaspora margarita</i> . <i>New Phytologist</i> , 1999 , 142, 347-354	9.8	39
154	The CRE1 cytokinin pathway is differentially recruited depending on <i>Medicago truncatula</i> root environments and negatively regulates resistance to a pathogen. <i>PLoS ONE</i> , 2015 , 10, e0116819	3.7	38
153	Soil fungal hyphae bind and attack asbestos fibers. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 219-22	16.4	38
152	The plant nucleus in mycorrhizal roots: positional and structural modifications. <i>Biology of the Cell</i> , 1992 , 75, 235-243	3.5	38
151	Ultrastructural localization of cell surface sugar residues in ericoid mycorrhizal fungi by gold-labeled lectins. <i>Protoplasma</i> , 1987 , 139, 25-35	3.4	38
150	Cytochemical modifications in the host-fungus interface during intracellular interactions in vesicular- arbuscular mycorrhizae. <i>Plant Science Letters</i> , 1981 , 22, 13-21		38
149	An AM-induced, MYB-family gene of <i>Lotus japonicus</i> (LjMAMI) affects root growth in an AM-independent manner. <i>Plant Journal</i> , 2013 , 73, 442-55	6.9	37
148	Wall texture in the spore of a vesicular-arbuscular mycorrhizal fungus. <i>Protoplasma</i> , 1984 , 120, 51-60	3.4	37
147	Bacterial and fungal communities associated with <i>Tuber magnatum</i> -productive niches. <i>Plant Biosystems</i> , 2010 , 144, 323-332	1.6	36
146	Maize Polyamine Oxidase: Antibody Production and Ultrastructural Localization. <i>Journal of Plant Physiology</i> , 1995 , 145, 686-692	3.6	36
145	Cytochemical and biochemical observations on the cell wall of the spore of <i>Glomus epigaeum</i> . <i>Protoplasma</i> , 1984 , 123, 140-151	3.4	36
144	ITS primers for the identification of marketable <i>Boletus</i> . <i>Journal of Biotechnology</i> , 2006 , 121, 318-29	3.7	35
143	A glimpse into the past of land plants and of their mycorrhizal affairs: from fossils to evo-devo. <i>New Phytologist</i> , 2010 , 186, 267-70	9.8	34

142	Production of pectin-degrading enzymes by ericoid mycorrhizal fungi. <i>New Phytologist</i> , 1997 , 135, 151-162	3.4	34
141	Evidence of DNA replication in an arbuscular mycorrhizal fungus in the absence of the host plant. <i>Protoplasma</i> , 1993 , 176, 100-105	3.4	34
140	Plant genes related to gibberellin biosynthesis and signaling are differentially regulated during the early stages of AM fungal interactions. <i>Molecular Plant</i> , 2012 , 5, 951-4	14.4	33
139	Immunocytochemical location of hydroxyproline rich glycoproteins at the interface between a mycorrhizal fungus and its host plants. <i>Protoplasma</i> , 1991 , 165, 127-138	3.4	33
138	The Perigord black truffle responds to cold temperature with an extensive reprogramming of its transcriptional activity. <i>Fungal Genetics and Biology</i> , 2011 , 48, 585-91	3.9	32
137	Endobacteria affect the metabolic profile of their host <i>Gigaspora margarita</i> , an arbuscular mycorrhizal fungus. <i>Environmental Microbiology</i> , 2010 , 12, 2083-95	5.2	32
136	Plants and Arbuscular Mycorrhizal Fungi: Cues and Communication in the Early Steps of Symbiotic Interactions. <i>Advances in Botanical Research</i> , 2007 , 181-219	2.2	32
135	Phospholipase A2 up-regulation during mycorrhiza formation in <i>Tuber borchii</i> . <i>New Phytologist</i> , 2005 , 167, 229-38	9.8	32
134	Impact of an arbuscular mycorrhizal fungus versus a mixed microbial inoculum on the transcriptome reprogramming of grapevine roots. <i>Mycorrhiza</i> , 2017 , 27, 417-430	3.9	31
133	A dehydration-inducible gene in the truffle <i>Tuber borchii</i> identifies a novel group of dehydrins. <i>BMC Genomics</i> , 2006 , 7, 39	4.5	31
132	The future has roots in the past: the ideas and scientists that shaped mycorrhizal research. <i>New Phytologist</i> , 2018 , 220, 982-995	9.8	31
131	ITS fungal barcoding primers versus 18S AMF-specific primers reveal similar AMF-based diversity patterns in roots and soils of three mountain vineyards. <i>Environmental Microbiology Reports</i> , 2017 , 9, 658-667	3.7	30
130	Gate crashing arbuscular mycorrhizas: in vivo imaging shows the extensive colonization of both symbionts by <i>Trichoderma atroviride</i> . <i>Environmental Microbiology Reports</i> , 2015 , 7, 64-77	3.7	30
129	Common and not so common symbiotic entry. <i>Trends in Plant Science</i> , 2010 , 15, 540-5	13.1	30
128	Production of monoclonal antibodies against surface antigens of spores from arbuscular mycorrhizal fungi by an improved immunization and screening procedure. <i>Mycorrhiza</i> , 1993 , 4, 69-78	3.9	30
127	Biology of Fungi and Their Bacterial Endosymbionts. <i>Annual Review of Phytopathology</i> , 2018 , 56, 289-309	10.8	30
126	Apocarotenoids: Old and New Mediators of the Arbuscular Mycorrhizal Symbiosis. <i>Frontiers in Plant Science</i> , 2019 , 10, 1186	6.2	29
125	The detection of mating type genes of <i>Tuber melanosporum</i> in productive and non productive soils. <i>Applied Soil Ecology</i> , 2012 , 57, 9-15	5	29

124	LjLHT1.2B mycorrhiza-inducible plant amino acid transporter from <i>Lotus japonicus</i> . <i>Biology and Fertility of Soils</i> , 2011 , 47, 925-936	6.1	29
123	A rice calcium-dependent protein kinase is expressed in cortical root cells during the presymbiotic phase of the arbuscular mycorrhizal symbiosis. <i>BMC Plant Biology</i> , 2011 , 11, 90	5.3	29
122	Cell-specific gene expression of phosphate transporters in mycorrhizal tomato roots. <i>Biology and Fertility of Soils</i> , 2009 , 45, 845-853	6.1	29
121	Endobacteria or bacterial endosymbionts? To be or not to be. <i>New Phytologist</i> , 2006 , 170, 205-8	9.8	28
120	Chitin synthase genes in the arbuscular mycorrhizal fungus <i>Glomus versiforme</i> : full sequence of a gene encoding a class IV chitin synthase. <i>FEMS Microbiology Letters</i> , 1999 , 170, 59-67	2.9	28
119	Differential spatio-temporal expression of carotenoid cleavage dioxygenases regulates apocarotenoid fluxes during AM symbiosis. <i>Plant Science</i> , 2015 , 230, 59-69	5.3	27
118	The mycobiota: fungi take their place between plants and bacteria. <i>Current Opinion in Microbiology</i> , 2019 , 49, 18-25	7.9	27
117	Early <i>Lotus japonicus</i> root transcriptomic responses to symbiotic and pathogenic fungal exudates. <i>Frontiers in Plant Science</i> , 2015 , 6, 480	6.2	27
116	Genome-wide analysis of cell wall-related genes in <i>Tuber melanosporum</i> . <i>Current Genetics</i> , 2012 , 58, 165-77	2.9	27
115	The <i>ftsZ</i> gene of the endocellular bacterium 'Candidatus <i>Glomeribacter gigasporarum</i> ' is preferentially expressed during the symbiotic phases of its host mycorrhizal fungus. <i>Molecular Plant-Microbe Interactions</i> , 2009 , 22, 302-10	3.6	27
114	Transcript profiling reveals novel marker genes involved in fruiting body formation in <i>Tuber borchii</i> . <i>Eukaryotic Cell</i> , 2005 , 4, 1599-602		27
113	Differential expression of chitin synthase III and IV mRNAs in ascomata of <i>Tuber borchii</i> Vittad. <i>Fungal Genetics and Biology</i> , 2000 , 31, 219-32	3.9	27
112	The <i>tbf-1</i> gene from the white truffle <i>Tuber borchii</i> codes for a structural cell wall protein specifically expressed in fruitbody. <i>Fungal Genetics and Biology</i> , 1998 , 25, 87-99	3.9	27
111	Construction and characterization of genomic libraries of two endomycorrhizal fungi: <i>Glomus versiforme</i> and <i>Gigaspora margarita</i> . <i>Mycological Research</i> , 1999 , 103, 955-960		27
110	Analysis of the cell cycle in an arbuscular mycorrhizal fungus by flow cytometry and bromodeoxyuridine labelling. <i>Protoplasma</i> , 1995 , 188, 161-169	3.4	27
109	Rapid typing of truffle mycorrhizal roots by PCR amplification of the ribosomal DNA spacers. <i>Mycorrhiza</i> , 1996 , 6, 417-421	3.9	27
108	Evidence of two polygalacturonases produced by a mycorrhizal ericoid fungus during its saprophytic growth. <i>FEMS Microbiology Letters</i> , 1993 , 114, 85-91	2.9	27
107	At the nexus of three kingdoms: the genome of the mycorrhizal fungus <i>Gigaspora margarita</i> provides insights into plant, endobacterial and fungal interactions. <i>Environmental Microbiology</i> , 2020 , 22, 122-141	5.2	27

106	The computational-based structure of Dwarf14 provides evidence for its role as potential strigolactone receptor in plants. <i>BMC Research Notes</i> , 2012 , 5, 307	2.3	26
105	Check-in procedures for plant cell entry by biotrophic microbes. <i>Molecular Plant-Microbe Interactions</i> , 2007 , 20, 1023-30	3.6	26
104	The Mutualistic Interaction between Plants and Arbuscular Mycorrhizal Fungi. <i>Microbiology Spectrum</i> , 2016 , 4,	8.9	26
103	Application of Laser Microdissection to plant pathogenic and symbiotic interactions. <i>Journal of Plant Interactions</i> , 2009 , 4, 81-92	3.8	25
102	Cell surface in <i>Calluna vulgaris</i> L. hair roots. <i>Protoplasma</i> , 1990 , 155, 1-18	3.4	25
101	'Candidatus Moeniiplasma glomeromycotorum', an endobacterium of arbuscular mycorrhizal fungi. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017 , 67, 1177-1184	2.2	25
100	Growing Research Networks on Mycorrhizae for Mutual Benefits. <i>Trends in Plant Science</i> , 2018 , 23, 975-984	3.1	25
99	Mucoromycota: going to the roots of plant-interacting fungi. <i>Fungal Biology Reviews</i> , 2020 , 34, 100-113	6.8	24
98	Molecular and morphological characterization of <i>Tuber magnatum</i> mycorrhizas in a long-term survey. <i>Microbiological Research</i> , 2001 , 155, 279-84	5.3	24
97	Identification of internal transcribed spacer sequence motifs in truffles: a first step toward their DNA bar coding. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 5320-30	4.8	23
96	Ascorbate oxidase: the unexpected involvement of a 'wasteful enzyme' in the symbioses with nitrogen-fixing bacteria and arbuscular mycorrhizal fungi. <i>Plant Physiology and Biochemistry</i> , 2012 , 59, 71-9	5.4	22
95	Laser Microdissection (LM): Applications to plant materials. <i>Plant Biosystems</i> , 2008 , 142, 331-336	1.6	22
94	The virome of the arbuscular mycorrhizal fungus <i>Gigaspora margarita</i> reveals the first report of DNA fragments corresponding to replicating non-retroviral RNA viruses in fungi. <i>Environmental Microbiology</i> , 2018 , 20, 2012-2025	5.2	21
93	Mollicutes-related endobacteria thrive inside liverwort-associated arbuscular mycorrhizal fungi. <i>Environmental Microbiology</i> , 2013 , 15, 822-36	5.2	21
92	Gene expression profiling of the nitrogen starvation stress response in the mycorrhizal ascomycete <i>Tuber borchii</i> . <i>Fungal Genetics and Biology</i> , 2006 , 43, 630-41	3.9	20
91	<i>Tuber borchii</i> versus <i>Tuber maculatum</i> : neotype studies and DNA analyses. <i>Mycologia</i> , 2000 , 92, 326-331	2.4	20
90	<i>Tuber borchii</i> versus <i>Tuber maculatum</i> : Neotype Studies and DNA Analyses. <i>Mycologia</i> , 2000 , 92, 326	2.4	19
89	Transcription of a Gene Encoding a Lectinlike Glycoprotein Is Induced in Root Cells Harboring Arbuscular Mycorrhizal Fungi in <i>Pisum sativum</i> . <i>Molecular Plant-Microbe Interactions</i> , 1999 , 12, 785-791	3.6	19

88	Morphological analysis of early contacts between pine roots and two ectomycorrhizal <i>Suillus</i> strains. <i>Mycorrhiza</i> , 1998 , 8, 1-10	3.9	18
87	Simultaneous detection and quantification of the unculturable microbe <i>Candidatus Glomeribacter gigasporarum</i> inside its fungal host <i>Gigaspora margarita</i> . <i>New Phytologist</i> , 2008 , 180, 248-257	9.8	18
86	A limiting source of organic nitrogen induces specific transcriptional responses in the extraradical structures of the endomycorrhizal fungus <i>Glomus intraradices</i> . <i>Current Genetics</i> , 2007 , 51, 59-70	2.9	18
85	Influence of heavy metals on production and activity of pectinolytic enzymes in ericoid mycorrhizal fungi. <i>Mycological Research</i> , 2000 , 104, 825-833		18
84	Arbuscular mycorrhizal fungal diversity in the Tuber melanosporum brū <i>Fungal Biology</i> , 2015 , 119, 518-27	2.8	17
83	PCR primers specific for the genus <i>Tuber</i> reveal the presence of several truffle species in a truffle-ground. <i>FEMS Microbiology Letters</i> , 2009 , 297, 67-72	2.9	17
82	Cell wall architectures in a mycorrhizal association as revealed by cryoultramicrotomy. <i>Protoplasma</i> , 1982 , 111, 113-120	3.4	17
81	The Making of Symbiotic Cells in Arbuscular Mycorrhizal Roots 2010 , 57-71		17
80	Understanding plant cell-wall remodelling during the symbiotic interaction between <i>Tuber melanosporum</i> and <i>Corylus avellana</i> using a carbohydrate microarray. <i>Planta</i> , 2016 , 244, 347-59	4.7	17
79	Colonization of legumes by an endophytic <i>Fusarium solani</i> strain Fsk reveals common features to symbionts or pathogens. <i>Fungal Genetics and Biology</i> , 2019 , 127, 60-74	3.9	16
78	Effect of volatiles versus exudates released by germinating spores of <i>Gigaspora margarita</i> on lateral root formation. <i>Plant Physiology and Biochemistry</i> , 2015 , 97, 1-10	5.4	16
77	The intracellular delivery of TAT-aequorin reveals calcium-mediated sensing of environmental and symbiotic signals by the arbuscular mycorrhizal fungus <i>Gigaspora margarita</i> . <i>New Phytologist</i> , 2014 , 203, 1012-20	9.8	16
76	Authentication of prized white and black truffles in processed products using quantitative real-time PCR. <i>Food Research International</i> , 2012 , 48, 792-797	7	16
75	Eucalypt NADP-dependent isocitrate dehydrogenase. cDNA cloning and expression in ectomycorrhizae. <i>Plant Physiology</i> , 1998 , 117, 939-48	6.6	16
74	The ultrastructure of the zygospore in <i>Endogone flammicorona</i> Trappe & Gerdemann. <i>Mycopathologia</i> , 1976 , 59, 117-123	2.9	15
73	Automated analysis of calcium spiking profiles with CaSA software: two case studies from root-microbe symbioses. <i>BMC Plant Biology</i> , 2013 , 13, 224	5.3	14
72	Hyphal and cytoskeleton polarization in <i>Tuber melanosporum</i> : a genomic and cellular analysis. <i>Fungal Genetics and Biology</i> , 2011 , 48, 561-72	3.9	14
71	Chitin synthase homologs in three ectomycorrhizal truffles. <i>FEMS Microbiology Letters</i> , 1995 , 134, 109-14.9		14

70	Gr and hp-1 tomato mutants unveil unprecedented interactions between arbuscular mycorrhizal symbiosis and fruit ripening. <i>Planta</i> , 2016 , 244, 155-65	4.7	13
69	Nuclear architecture and DNA location in two VAM fungi. <i>Mycorrhiza</i> , 1992 , 1, 105-112	3.9	13
68	Gigaspora margarita with and without its endobacterium shows adaptive responses to oxidative stress. <i>Mycorrhiza</i> , 2017 , 27, 747-759	3.9	12
67	Differentially Regulates Barley Root Colonization by Beneficial Endophytic and Mycorrhizal Fungi. <i>Frontiers in Plant Science</i> , 2019 , 10, 1678	6.2	12
66	An endophytic Fusarium-legume association is partially dependent on the common symbiotic signalling pathway. <i>New Phytologist</i> , 2020 , 226, 1429-1444	9.8	11
65	Metabolome changes are induced in the arbuscular mycorrhizal fungus Gigaspora margarita by germination and by its bacterial endosymbiont. <i>Mycorrhiza</i> , 2018 , 28, 421-433	3.9	11
64	Root starch accumulation in response to arbuscular mycorrhizal colonization differs among Lotus japonicus starch mutants. <i>Planta</i> , 2011 , 234, 639-46	4.7	11
63	Effect of the strigolactone analogs methyl phenlactonoates on spore germination and root colonization of arbuscular mycorrhizal fungi. <i>Heliyon</i> , 2018 , 4, e00936	3.6	11
62	Dissecting the Rhizosphere complexity: The truffle-ground study case. <i>Rendiconti Lincei</i> , 2008 , 19, 241-259		10
61	Nondegenerative Evolution in Ancient Heritable Bacterial Endosymbionts of Fungi. <i>Molecular Biology and Evolution</i> , 2016 , 33, 2216-31	8.3	10
60	The Lotus japonicus MAMI gene links root development, arbuscular mycorrhizal symbiosis and phosphate availability. <i>Plant Signaling and Behavior</i> , 2013 , 8, e23414	2.5	9
59	Identification and evolutionary analysis of putative cytoplasmic mcpA-like protein in a bacterial strain living in symbiosis with a mycorrhizal fungus. <i>Journal of Molecular Evolution</i> , 2002 , 54, 815-24	3.1	9
58	Water management and phenology influence the root-associated rice field microbiota. <i>FEMS Microbiology Ecology</i> , 2020 , 96,	4.3	9
57	Efficient Mimics for Elucidating Zaxinone Biology and Promoting Agricultural Applications. <i>Molecular Plant</i> , 2020 , 13, 1654-1661	14.4	8
56	AM fungal exudates activate MAP kinases in plant cells in dependence from cytosolic Ca(2+) increase. <i>Plant Physiology and Biochemistry</i> , 2011 , 49, 963-9	5.4	8
55	Characterization of a symbiosis- and auxin-regulated glutathione-S-transferase from Eucalyptus globulus roots. <i>Plant Physiology and Biochemistry</i> , 2003 , 41, 611-618	5.4	8
54	Apical meristems in mycorrhizal and uninfected roots of Calluna vulgaris (L.) Hull. <i>Plant and Soil</i> , 1983 , 71, 285-291	4.2	8
53	Chapter 39 Ecology and Evolution of Fungal-Bacterial Interactions. <i>Mycology</i> , 2017 , 563-584		8

52	Physiological Beneficial Effect of Rhizophagus intraradices Inoculation on Tomato Plant Yield under Water Deficit Conditions. <i>Agronomy</i> , 2020 , 10, 71	3.6	8
51	Different Genetic Sources Contribute to the Small RNA Population in the Arbuscular Mycorrhizal Fungus. <i>Frontiers in Microbiology</i> , 2020 , 11, 395	5.7	8
50	The role of the glyoxylate cycle in the symbiotic fungus <i>Tuber borchii</i> : expression analysis and subcellular localization. <i>Current Genetics</i> , 2007 , 52, 159-70	2.9	7
49	Zinc ions differentially affect chitin synthase gene expression in an ericoid mycorrhizal fungus. <i>Plant Biosystems</i> , 2004 , 138, 271-277	1.6	7
48	Enolase from the ectomycorrhizal fungus <i>Tuber borchii</i> Vittad.: biochemical characterization, molecular cloning, and localization. <i>Fungal Genetics and Biology</i> , 2004 , 41, 157-67	3.9	7
47	Intracellular Burkholderia strain has no negative effect on the symbiotic efficiency of the arbuscular mycorrhizal fungus <i>Gigaspora margarita</i> . <i>Plant Growth Regulation</i> , 2001 , 34, 347-352	3.2	7
46	Development and good breeding in legume models: poise and peas?: Molecular Genetics of Model Legumes. <i>New Phytologist</i> , 2000 , 148, 7-9	9.8	7
45	Algae and fungi move from the past to the future. <i>ELife</i> , 2019 , 8,	8.9	7
44	Tomato RNA-seq Data Mining Reveals the Taxonomic and Functional Diversity of Root-Associated Microbiota. <i>Microorganisms</i> , 2019 , 8,	4.9	7
43	Proteomic analysis reveals how pairing of a Mycorrhizal fungus with plant growth-promoting bacteria modulates growth and defense in wheat. <i>Plant, Cell and Environment</i> , 2021 , 44, 1946-1960	8.4	7
42	The endobacterium of an arbuscular mycorrhizal fungus modulates the expression of its toxin-antitoxin systems during the life cycle of its host. <i>ISME Journal</i> , 2017 , 11, 2394-2398	11.9	6
41	Understanding Changes in Tomato Cell Walls in Roots and Fruits: The Contribution of Arbuscular Mycorrhizal Colonization. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	6
40	Not only priming: Soil microbiota may protect tomato from root pathogens. <i>Plant Signaling and Behavior</i> , 2018 , 13, e1464855	2.5	6
39	Arbuscular Mycorrhizas and N Acquisition by Plants 2011 , 52-68		6
38	The arbuscular mycorrhizal fungus <i>Glomus intraradices</i> induces intracellular calcium changes in soybean cells. <i>Caryologia</i> , 2007 , 60, 137-140		6
37	Pre-Penetration Apparatus Formation During AM Infection is Associated With a Specific Transcriptome Response in Epidermal Cells. <i>Plant Signaling and Behavior</i> , 2007 , 2, 533-5	2.5	6
36	TPLATE Recruitment Reveals Endocytic Dynamics at Sites of Symbiotic Interface Assembly in Arbuscular Mycorrhizal Interactions. <i>Frontiers in Plant Science</i> , 2019 , 10, 1628	6.2	6
35	The plant microbiota: composition, functions, and engineering. <i>Current Opinion in Biotechnology</i> , 2021 , 73, 135-142	11.4	6

34	Genomic suppression subtractive hybridization as a tool to identify differences in mycorrhizal fungal genomes. <i>FEMS Microbiology Letters</i> , 2011 , 318, 115-22	2.9	5
33	TMchs4, a class IV chitin synthase gene from the ectomycorrhizal <i>Tuber magnatum</i> . <i>Mycological Research</i> , 2000 , 104, 703-707		5
32	Differential absorption and localization of two <i>Sclerotinia sclerotiorum</i> endo-polygalacturonases in soybean hypocotyls. <i>Physiological and Molecular Plant Pathology</i> , 1993 , 43, 353-364	2.6	5
31	8 Pathogenic and Endomycorrhizal Associations. <i>Methods in Microbiology</i> , 1992 , 24, 141-168	2.8	5
30	Investigating the Endobacteria Which Thrive in Arbuscular Mycorrhizal Fungi. <i>Methods in Molecular Biology</i> , 2016 , 1399, 29-53	1.4	5
29	Arbuscular Mycorrhizas: The Lives of Beneficial Fungi and Their Plant Hosts 2015 , 235-245		4
28	Gene expression and metabolite changes during <i>Tuber magnatum</i> fruiting body storage. <i>Current Genetics</i> , 2014 , 60, 285-94	2.9	4
27	The Mutualistic Interaction between Plants and Arbuscular Mycorrhizal Fungi 2017 , 727-747		3
26	From environmental microbiology to ecogenomics: spotting the emerging field of fungal-bacterial interactions. <i>Environmental Microbiology Reports</i> , 2015 , 7, 15-7	3.7	3
25	Establishment and Functioning of Arbuscular Mycorrhizas 2009 , 259-274		3
24	Enhanced activity of the GmarMT1 promoter from the mycorrhizal fungus <i>Gigaspora margarita</i> at limited carbon supply. <i>Fungal Genetics and Biology</i> , 2007 , 44, 877-85	3.9	3
23	Ultrastructural organization of vegetative hyphae of <i>Tuber Albidum</i> Pico. <i>Mycopathologia</i> , 1975 , 56, 137-142	1.4	3
22	Nuclear division in the vegetative hyphae of <i>Tuber species plurimae</i> . <i>Mycopathologia</i> , 1973 , 49, 161-167	2.9	3
21	and Its Endobacterium Modulate Symbiotic Marker Genes in Tomato Roots under Combined Water and Nutrient Stress. <i>Plants</i> , 2020 , 9,	4.5	3
20	The structure of arbuscular mycorrhizas 2016 , 33-45		2
19	TMpcp: a <i>Tuber magnatum</i> gene which encodes a putative mitochondrial phosphate carrier. <i>DNA Sequence</i> , 2000 , 10, 407-10		2
18	Chitinase activity and VA-mycorrhiza development. <i>Agriculture, Ecosystems and Environment</i> , 1990 , 29, 409-413	5.7	2
17	Symbiotic responses of <i>Lotus japonicus</i> to two isogenic lines of a mycorrhizal fungus differing in the presence/absence of an endobacterium. <i>Plant Journal</i> , 2021 , 108, 1547	6.9	2

16	Mycorrhizal Fungi. <i>Books in Soils, Plants, and the Environment</i> , 2007 , 201-236		2
15	The Mosaic Architecture of NRPS-PKS in the Arbuscular Mycorrhizal Fungus Shows a Domain With Bacterial Signature. <i>Frontiers in Microbiology</i> , 2020 , 11, 581313	5.7	2
14	Quantifying Nutrient Trade in the Arbuscular Mycorrhizal Symbiosis Under Extreme Weather Events Using Quantum-Dot Tagged Phosphorus. <i>Frontiers in Ecology and Evolution</i> , 2021 , 9,	3.7	2
13	Intragenic complementation at the Lotus japonicus CELLULOSE SYNTHASE-LIKE D1 locus rescues root hair defects. <i>Plant Physiology</i> , 2021 , 186, 2037-2050	6.6	2
12	Plant genotype and seasonality drive fine changes in olive root microbiota. <i>Current Plant Biology</i> , 2021 , 28, 100219	3.3	2
11	Identification of Putative Nifdk Genes in the Genome of a Burkholderia Living in Symbiosis with an Arbuscular Mycorrhizal Fungus 2002 , 206-206		2
10	Discrimination of Gigaspora species by PCR specific primers and phylogenetic analysis. <i>Mycotaxon</i> , 2012 , 118, 17-26	0.5	1
9	Texture of host cell walls in mycorrhizal leeks. <i>Agriculture, Ecosystems and Environment</i> , 1990 , 29, 51-54	5.7	1
8	The need for phosphate: at the root of the mycorrhizal symbiosis. <i>Science Bulletin</i> , 2021 ,	10.6	1
7	Bioinformatic Methods for the Analysis of High-Throughput RNA Sequencing in Arbuscular Mycorrhizal Fungi. <i>Methods in Molecular Biology</i> , 2020 , 2146, 137-153	1.4	1
6	Symbiotic signalling is at the core of an endophytic Fusarium solani-legume association		1
5	Genetics and Genomics Decipher Partner Biology in Arbuscular Mycorrhizas 2020 , 143-172		
4	Can the Study of Endomycorrhizae open new Avenues of Research in Symbiotic Nitrogen Fixation?. <i>Current Plant Science and Biotechnology in Agriculture</i> , 2000 , 653-658		
3	A Modular Database Architecture Enabled to Comparative Sequence Analysis. <i>Lecture Notes in Computer Science</i> , 2011 , 124-147	0.9	
2	José Miguel Barea 1942-2018: the man that always smiles. <i>Environmental Microbiology</i> , 2018 , 20, 2319-2331		1
1	European Journal of Histochemistry: an open forum for cell biology in plants. <i>European Journal of Histochemistry</i> , 2003 , 47, 393-6	2.1	