Claire Veneault-Fourrey

List of Publications by Year
in descending order

38 papers	4,071 citations	304743 22 h-index	345221 36 g-index
43 all docs	43 docs citations	43 times ranked	7148 citing authors

#	Article	IF	Citations
1	Convergent losses of decay mechanisms and rapid turnover of symbiosis genes in mycorrhizal mutualists. Nature Genetics, 2015, 47, 410-415.	21.4	870
2	Obligate biotrophy features unraveled by the genomic analysis of rust fungi. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9166-9171.	7.1	640
3	Autophagic Fungal Cell Death Is Necessary for Infection by the Rice Blast Fungus. Science, 2006, 312, 580-583.	12.6	457
4	Effector MiSSP7 of the mutualistic fungus <i>Laccaria bicolor</i> stabilizes the <i>Populus</i> JAZ6 protein and represses jasmonic acid (JA) responsive genes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8299-8304.	7.1	329
5	Unearthing the roots of ectomycorrhizal symbioses. Nature Reviews Microbiology, 2016, 14, 760-773.	28.6	317
6	Comparative genomics and transcriptomics depict ericoid mycorrhizal fungi as versatile saprotrophs and plant mutualists. New Phytologist, 2018, 217, 1213-1229.	7.3	185
7	Biotrophic transportome in mutualistic plantâ€“fungal interactions. Mycorrhiza, 2013, 23, 597-625.	2.8	157
8	Comparative Analysis of Secretomes from Ectomycorrhizal Fungi with an Emphasis on Small-Secreted Proteins. Frontiers in Microbiology, 2015, 6, 1278.	3.5	127
9	The lichen symbiosis re-viewed through the genomes of Cladonia grayi and its algal partner Asterochloris glomerata. BMC Genomics, 2019, 20, 605.	2.8	98
10	The molecular biology of appressorium turgor generation by the rice blast fungus Magnaporthe grisea. Biochemical Society Transactions, 2005, 33, 384-388.	3.4	95
11	CLNR1, the AREA/NIT2-like global nitrogen regulator of the plant fungal pathogen Colletotrichum lindemuthianum is required for the infection cycle. Molecular Microbiology, 2003, 48, 639-655.	2.5	84
12	Genomic and transcriptomic analysis of Laccaria bicolor CAZome reveals insights into polysaccharides remodelling during symbiosis establishment. Fungal Genetics and Biology, 2014, 72, 168-181.	2.1	81
13	The ectomycorrhizal basidiomycete <i>Laccaria bicolor</i> releases a secreted Î²â€1,4 endoglucanase that plays a key role in symbiosis development. New Phytologist, 2018, 220, 1309-1321.	7.3	49
14	The tetraspanin gene ClPLS1 is essential for appressorium-mediated penetration of the fungal pathogen Colletotrichum lindemuthianum. Fungal Genetics and Biology, 2005, 42, 306-318.	2.1	45
15	<i>Laccaria bicolor</i> MiSSP8 is a smallâ€secreted protein decisive for the establishment of the ectomycorrhizal symbiosis. Environmental Microbiology, 2019, 21, 3765-3779.	3.8	45
16	A two genes â€“ for â€“ one gene interaction between <i>Leptosphaeria maculans</i> and <i>Brassica napus</i>. New Phytologist, 2019, 223, 397-411.	7.3	44
17	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
18	Mutualistic interactions on a knife-edge between saprotrophy and pathogenesis. Current Opinion in Plant Biology, 2011, 14, 444-450.	7.1	42

#	ARTICLE	IF	CITATIONS
19	Validation of Melampsora larici-populina reference genes for in planta RT-quantitative PCR expression profiling during time-course infection of poplar leaves. Physiological and Molecular Plant Pathology, 2011, 75, 106-112.	2.5	38
20	The small secreted effector protein MiSSP7.6 of <i>Laccaria bicolor</i> is required for the establishment of ectomycorrhizal symbiosis. Environmental Microbiology, 2020, 22, 1435-1446.	3.8	37
21	An ectomycorrhizal fungus alters sensitivity to jasmonate, salicylate, gibberellin, and ethylene in host roots. Plant, Cell and Environment, 2020, 43, 1047-1068.	5.7	30
22	Fungal Pls1 tetraspanins as key factors of penetration into host plants: a role in re-establishing polarized growth in the appressorium?. FEMS Microbiology Letters, 2006, 256, 179-184.	1.8	27
23	Secretome Analysis from the Ectomycorrhizal Ascomycete Cenococcum geophilum. Frontiers in Microbiology, 2018, 9, 141.	3.5	24
24	Impacts of Soil Microbiome Variations on Root Colonization by Fungi and Bacteria and on the Metabolome of <i>Populus</i> <i>tremula</i> Ã— <i>alba</i>. Phytobiomes Journal, 2020, 4, 142-155.	2.7	24
25	Autophagic Cell Death and its Importance for Fungal Developmental Biology and Pathogenesis. Autophagy, 2007, 3, 126-127.	9.1	23
26	Nonpathogenic Strains of Colletotrichum lindemuthianum Trigger Progressive Bean Defense Responses during Appressorium-Mediated Penetration. Applied and Environmental Microbiology, 2005, 71, 4761-4770.	3.1	21
27	The mutualism effector MiSSP7 of Laccaria bicolor alters the interactions between the poplar JAZ6 protein and its associated proteins. Scientific Reports, 2020, 10, 20362.	3.3	21
28	The Hydrophobin-Like OmSSP1 May Be an Effector in the Ericoid Mycorrhizal Symbiosis. Frontiers in Plant Science, 2018, 9, 546.	3.6	20
29	Moving Toward a Systems Biology Approach to the Study of Fungal Pathogenesis in the Rice Blast Fungus Magnaporthe grisea. Advances in Applied Microbiology, 2005, 57, 177-215.	2.4	18
30	The ectomycorrhizal basidiomycete <i>Laccaria bicolor</i> releases a GH28 polygalacturonase that plays a key role in symbiosis establishment. New Phytologist, 2022, 233, 2534-2547.	7.3	16
31	A Transcriptomic Atlas of the Ectomycorrhizal Fungus Laccaria bicolor. Microorganisms, 2021, 9, 2612.	3.6	11
32	Alterations in the phenylpropanoid pathway affect poplar ability for ectomycorrhizal colonisation and susceptibility to root-knot nematodes. Mycorrhiza, 2020, 30, 555-566.	2.8	9
33	Role of Jasmonates in Beneficial Microbeâ€“Root Interactions. Methods in Molecular Biology, 2020, 2085, 43-67.	0.9	9
34	A Viable New Strategy for the Discovery of Peptide Proteolytic Cleavage Products in Plant-Microbe Interactions. Molecular Plant-Microbe Interactions, 2020, 33, 1177-1188.	2.6	8
35	Molecular Signalling During the Ectomycorrhizal Symbiosis. , 2019, , 95-109.		3
36	Quantitative resistance linked to late effectors. New Phytologist, 2021, 231, 1301-1303.	7.3	3

#	Article	IF	Citations
37	Ectomycorrhizal Symbiosis: From Genomics to Trans-Kingdom Molecular Communication and Signaling. Rhizosphere Biology, 2022, , 273-296.	0.6	2
38	10 New Insights into Ectomycorrhizal Symbiosis Evolution and Function. , 2013, , 273-293.		1