

Claire Veneault-Fourrey

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

4,071
citations

304368

22
h-index

344852

36
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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. <i>Nature Genetics</i> , 2015, 47, 410-415.	9.4	870
2	Obligate biotrophy features unraveled by the genomic analysis of rust fungi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9166-9171.	3.3	640
3	Autophagic Fungal Cell Death Is Necessary for Infection by the Rice Blast Fungus. <i>Science</i> , 2006, 312, 580-583.	6.0	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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8299-8304.	3.3	329
5	Unearthing the roots of ectomycorrhizal symbioses. <i>Nature Reviews Microbiology</i> , 2016, 14, 760-773.	13.6	317
6	Comparative genomics and transcriptomics depict ericoid mycorrhizal fungi as versatile saprotrophs and plant mutualists. <i>New Phytologist</i> , 2018, 217, 1213-1229.	3.5	185
7	Biotrophic transportome in mutualistic plant-fungal interactions. <i>Mycorrhiza</i> , 2013, 23, 597-625.	1.3	157
8	Comparative Analysis of Secretomes from Ectomycorrhizal Fungi with an Emphasis on Small-Secreted Proteins. <i>Frontiers in Microbiology</i> , 2015, 6, 1278.	1.5	127
9	The lichen symbiosis re-viewed through the genomes of <i>Cladonia grayi</i> and its algal partner <i>Asterochloris glomerata</i> . <i>BMC Genomics</i> , 2019, 20, 605.	1.2	98
10	The molecular biology of appressorium turgor generation by the rice blast fungus <i>Magnaporthe grisea</i> . <i>Biochemical Society Transactions</i> , 2005, 33, 384-388.	1.6	95
11	CLNR1, the AREA/NIT2-like global nitrogen regulator of the plant fungal pathogen <i>Colletotrichum lindemuthianum</i> is required for the infection cycle. <i>Molecular Microbiology</i> , 2003, 48, 639-655.	1.2	84
12	Genomic and transcriptomic analysis of <i>Laccaria bicolor</i> CAZome reveals insights into polysaccharides remodelling during symbiosis establishment. <i>Fungal Genetics and Biology</i> , 2014, 72, 168-181.	0.9	81
13	The ectomycorrhizal basidiomycete <i>Laccaria bicolor</i> releases a secreted β -1,4 endoglucanase that plays a key role in symbiosis development. <i>New Phytologist</i> , 2018, 220, 1309-1321.	3.5	49
14	The tetraspanin gene <i>CIPLS1</i> is essential for appressorium-mediated penetration of the fungal pathogen <i>Colletotrichum lindemuthianum</i> . <i>Fungal Genetics and Biology</i> , 2005, 42, 306-318.	0.9	45
15	<i>Laccaria bicolor</i> MiSSP8 is a small secreted protein decisive for the establishment of the ectomycorrhizal symbiosis. <i>Environmental Microbiology</i> , 2019, 21, 3765-3779.	1.8	45
16	A two genes "for" one gene interaction between <i>Leptosphaeria maculans</i> and <i>Brassica napus</i> . <i>New Phytologist</i> , 2019, 223, 397-411.	3.5	44
17	Transcriptome analysis of the <i>Populus trichocarpa</i> - <i>Rhizophagus irregularis</i> Mycorrhizal Symbiosis: Regulation of Plant and Fungal Transportomes under Nitrogen Starvation. <i>Plant and Cell Physiology</i> , 2017, 58, 1003-1017.	1.5	43
18	Mutualistic interactions on a knife-edge between saprotrophy and pathogenesis. <i>Current Opinion in Plant Biology</i> , 2011, 14, 444-450.	3.5	42

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19	Validation of <i>Melampsora larici-populina</i> reference genes for in planta RT-quantitative PCR expression profiling during time-course infection of poplar leaves. <i>Physiological and Molecular Plant Pathology</i> , 2011, 75, 106-112.	1.3	38
20	The small secreted effector protein MiSSP7.6 of <i>Laccaria bicolor</i> is required for the establishment of ectomycorrhizal symbiosis. <i>Environmental Microbiology</i> , 2020, 22, 1435-1446.	1.8	37
21	An ectomycorrhizal fungus alters sensitivity to jasmonate, salicylate, gibberellin, and ethylene in host roots. <i>Plant, Cell and Environment</i> , 2020, 43, 1047-1068.	2.8	30
22	Fungal Pls1 tetraspanins as key factors of penetration into host plants: a role in re-establishing polarized growth in the appressorium?. <i>FEMS Microbiology Letters</i> , 2006, 256, 179-184.	0.7	27
23	Secretome Analysis from the Ectomycorrhizal Ascomycete <i>Cenococcum geophilum</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 141.	1.5	24
24	Impacts of Soil Microbiome Variations on Root Colonization by Fungi and Bacteria and on the Metabolome of <i>Populus tremula</i> – <i>Populus alba</i> . <i>Phytobiomes Journal</i> , 2020, 4, 142-155.	1.4	24
25	Autophagic Cell Death and its Importance for Fungal Developmental Biology and Pathogenesis. <i>Autophagy</i> , 2007, 3, 126-127.	4.3	23
26	Nonpathogenic Strains of <i>Colletotrichum lindemuthianum</i> Trigger Progressive Bean Defense Responses during Appressorium-Mediated Penetration. <i>Applied and Environmental Microbiology</i> , 2005, 71, 4761-4770.	1.4	21
27	The mutualism effector MiSSP7 of <i>Laccaria bicolor</i> alters the interactions between the poplar JAZ6 protein and its associated proteins. <i>Scientific Reports</i> , 2020, 10, 20362.	1.6	21
28	The Hydrophobin-Like OmSSP1 May Be an Effector in the Ericoid Mycorrhizal Symbiosis. <i>Frontiers in Plant Science</i> , 2018, 9, 546.	1.7	20
29	Moving Toward a Systems Biology Approach to the Study of Fungal Pathogenesis in the Rice Blast Fungus <i>Magnaporthe grisea</i> . <i>Advances in Applied Microbiology</i> , 2005, 57, 177-215.	1.3	18
30	The ectomycorrhizal basidiomycete <i>Laccaria bicolor</i> releases a GH28 polygalacturonase that plays a key role in symbiosis establishment. <i>New Phytologist</i> , 2022, 233, 2534-2547.	3.5	16
31	A Transcriptomic Atlas of the Ectomycorrhizal Fungus <i>Laccaria bicolor</i> . <i>Microorganisms</i> , 2021, 9, 2612.	1.6	11
32	Alterations in the phenylpropanoid pathway affect poplar ability for ectomycorrhizal colonisation and susceptibility to root-knot nematodes. <i>Mycorrhiza</i> , 2020, 30, 555-566.	1.3	9
33	Role of Jasmonates in Beneficial Microbe-Root Interactions. <i>Methods in Molecular Biology</i> , 2020, 2085, 43-67.	0.4	9
34	A Viable New Strategy for the Discovery of Peptide Proteolytic Cleavage Products in Plant-Microbe Interactions. <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 1177-1188.	1.4	8
35	Molecular Signalling During the Ectomycorrhizal Symbiosis. , 2019, , 95-109.		3
36	Quantitative resistance linked to late effectors. <i>New Phytologist</i> , 2021, 231, 1301-1303.	3.5	3

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37	Ectomycorrhizal Symbiosis: From Genomics to Trans-Kingdom Molecular Communication and Signaling. <i>Rhizosphere Biology</i> , 2022, , 273-296.	0.4	2
38	10 New Insights into Ectomycorrhizal Symbiosis Evolution and Function. , 2013, , 273-293.		1