

Pierre Gladieux

List of Publications by Year in descending order

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71
papers

4,481
citations

117625

34
h-index

118850

62
g-index

81
all docs

81
docs citations

81
times ranked

4922
citing authors

#	ARTICLE	IF	CITATIONS
1	Emergence of wheat blast in Bangladesh was caused by a South American lineage of <i>Magnaporthe oryzae</i> . <i>BMC Biology</i> , 2016, 14, 84.	3.8	355
2	New Insight into the History of Domesticated Apple: Secondary Contribution of the European Wild Apple to the Genome of Cultivated Varieties. <i>PLoS Genetics</i> , 2012, 8, e1002703.	3.5	334
3	Linking the emergence of fungal plant diseases with ecological speciation. <i>Trends in Ecology and Evolution</i> , 2010, 25, 387-395.	8.7	281
4	The domestication and evolutionary ecology of apples. <i>Trends in Genetics</i> , 2014, 30, 57-65.	6.7	261
5	Origin, Migration Routes and Worldwide Population Genetic Structure of the Wheat Yellow Rust Pathogen <i>Puccinia striiformis</i> f.sp. <i>tritici</i> . <i>PLoS Pathogens</i> , 2014, 10, e1003903.	4.7	241
6	Fungal evolutionary genomics provides insight into the mechanisms of adaptive divergence in eukaryotes. <i>Molecular Ecology</i> , 2014, 23, 753-773.	3.9	203
7	The population biology of fungal invasions. <i>Molecular Ecology</i> , 2015, 24, 1969-1986.	3.9	173
8	Gene Flow between Divergent Cereal- and Grass-Specific Lineages of the Rice Blast Fungus <i>Magnaporthe oryzae</i> . <i>MBio</i> , 2018, 9, .	4.1	163
9	On the Origin and Spread of the Scab Disease of Apple: Out of Central Asia. <i>PLoS ONE</i> , 2008, 3, e1455.	2.5	111
10	Genetic isolation between two recently diverged populations of a symbiotic fungus. <i>Molecular Ecology</i> , 2015, 24, 2747-2758.	3.9	100
11	Inferring the contribution of sexual reproduction, migration and off-season survival to the temporal maintenance of microbial populations: a case study on the wheat fungal pathogen <i>Puccinia striiformis</i> f.sp. <i>tritici</i> . <i>Molecular Ecology</i> , 2014, 23, 603-617.	3.9	87
12	Postglacial recolonization history of the European crabapple (<i>Malus sylvestris</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 2249-2263.	3.9	86
13	Evolution of the population structure of <i>Venturia inaequalis</i> , the apple scab fungus, associated with the domestication of its host. <i>Molecular Ecology</i> , 2010, 19, 658-674.	3.9	79
14	Maintenance of Fungal Pathogen Species That Are Specialized to Different Hosts: Allopatric Divergence and Introgression through Secondary Contact. <i>Molecular Biology and Evolution</i> , 2011, 28, 459-471.	8.9	79
15	Distribution of the anther smut pathogen <i>Microbotryum</i> on species of the Caryophyllaceae. <i>New Phytologist</i> , 2010, 187, 217-229.	7.3	73
16	Widespread selective sweeps throughout the genome of model plant pathogenic fungi and identification of effector candidates. <i>Molecular Ecology</i> , 2017, 26, 2041-2062.	3.9	71
17	Glacial Refugia in Pathogens: European Genetic Structure of Anther Smut Pathogens on <i>Silene latifolia</i> and <i>Silene dioica</i> . <i>PLoS Pathogens</i> , 2010, 6, e1001229.	4.7	70
18	Distinct invasion sources of common ragweed (<i>Ambrosia artemisiifolia</i>) in Eastern and Western Europe. <i>Biological Invasions</i> , 2011, 13, 933-944.	2.4	69

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19	NLR surveillance of essential SEC-9 SNARE proteins induces programmed cell death upon allorecognition in filamentous fungi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2292-E2301.	7.1	69
20	Genomic signatures of adaptation to wine biological ageing conditions in biofilm-forming flor yeasts. <i>Molecular Ecology</i> , 2017, 26, 2150-2166.	3.9	68
21	Pathogen effectors and plant immunity determine specialization of the blast fungus to rice subspecies. <i>ELife</i> , 2016, 5, .	6.0	67
22	Emergence of novel fungal pathogens by ecological speciation: importance of the reduced viability of immigrants. <i>Molecular Ecology</i> , 2011, 20, 4521-4532.	3.9	60
23	Anthropogenic and natural drivers of gene flow in a temperate wild fruit tree: a basis for conservation and breeding programs in apples. <i>Evolutionary Applications</i> , 2015, 8, 373-384.	3.1	59
24	Coexistence of Multiple Endemic and Pandemic Lineages of the Rice Blast Pathogen. <i>MBio</i> , 2018, 9, .	4.1	59
25	Continental-level population differentiation and environmental adaptation in the mushroom <i>Sclerotinia sclerotiorum</i> . <i>Molecular Ecology</i> , 2017, 26, 2063-2076.	3.9	55
26	Crop-wild gene flow and spatial genetic structure in the closest wild relatives of the cultivated apple. <i>Evolutionary Applications</i> , 2013, 6, 737-748.	3.1	54
27	Identification of Allorecognition Loci in <i>Neurospora crassa</i> by Genomics and Evolutionary Approaches. <i>Molecular Biology and Evolution</i> , 2015, 32, 2417-2432.	8.9	52
28	Origin and colonization history of newly virulent strains of the phytopathogenic fungus <i>Venturia inaequalis</i> . <i>Fungal Genetics and Biology</i> , 2007, 44, 284-292.	2.1	49
29	Degeneration of the Nonrecombining Regions in the Mating-Type Chromosomes of the Anther-Smut Fungus. <i>Molecular Biology and Evolution</i> , 2015, 32, 928-943.	8.9	49
30	Characterization of Greenbeard Genes Involved in Long-Distance Kind Discrimination in a Microbial Eukaryote. <i>PLoS Biology</i> , 2016, 14, e1002431.	5.6	49
31	Population structure and temporal maintenance of the multihost fungal pathogen <i>Botrytis cinerea</i> : causes and implications for disease management. <i>Environmental Microbiology</i> , 2015, 17, 1261-1274.	3.8	44
32	Globally invading populations of the fungal plant pathogen <i>Vorticillium dahliae</i> are dominated by multiple divergent lineages. <i>Environmental Microbiology</i> , 2015, 17, 2824-2840.	3.8	42
33	Emergence of new virulent populations of apple scab from nonagricultural disease reservoirs. <i>New Phytologist</i> , 2016, 209, 1220-1229.	7.3	42
34	<i>Pyricularia graminis</i> is not the correct species name for the wheat blast fungus: response to Ceresini <i>et al.</i> (MPP 20:2). <i>Molecular Plant Pathology</i> , 2019, 20, 173-179.	4.2	42
35	The genetic structure of the plant pathogenic fungus <i>Melampsora larici-populina</i> on its wild host is extensively impacted by host domestication. <i>Molecular Ecology</i> , 2011, 20, 2739-2755.	3.9	40
36	The <i>Drechslera</i> and <i>Mycosphaella</i> fungus: noble rot versus gray mold symptoms of <i>Botrytis cinerea</i> on grapes. <i>Evolutionary Applications</i> , 2013, 6, 960-969.	3.1	40

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37	Origin of the <i>Aromatic</i> Group of Cultivated Rice (<i>Oryza sativa</i> L.) Traced to the Indian Subcontinent. <i>Genome Biology and Evolution</i> , 2019, 11, 832-843.	2.5	40
38	Strong phylogeographic co-structure between the anther-smut fungus and its white campion host. <i>New Phytologist</i> , 2016, 212, 668-679.	7.3	36
39	Host-specific differentiation among populations of <i>Venturia inaequalis</i> causing scab on apple, pyracantha and loquat. <i>Fungal Genetics and Biology</i> , 2010, 47, 511-521.	2.1	34
40	Migration patterns and changes in population biology associated with the worldwide spread of the oilseed rape pathogen <i>Leptosphaeria maculans</i> . <i>Molecular Ecology</i> , 2012, 21, 2519-2533.	3.9	34
41	History of the invasion of the anther smut pathogen on <i>Silene latifolia</i> in North America. <i>New Phytologist</i> , 2013, 198, 946-956.	7.3	33
42	Sources of Fungal Genetic Variation and Associating It with Phenotypic Diversity. <i>Microbiology Spectrum</i> , 2017, 5, .	3.0	33
43	Genomic sequencing reveals historical, demographic and selective factors associated with the diversification of the fire-associated fungus <i>Neurospora discreta</i> . <i>Molecular Ecology</i> , 2015, 24, 5657-5675.	3.9	32
44	Programmed Cell Death in <i>Neurospora crassa</i> Is Controlled by the Allorecognition Determinant <i>rcd-1</i> . <i>Genetics</i> , 2019, 213, 1387-1400.	2.9	32
45	A high virulence and pathotype diversity of <i>Puccinia striiformis</i> f.sp. <i>tritici</i> at its centre of diversity, the Himalayan region of Pakistan. <i>European Journal of Plant Pathology</i> , 2014, 140, 275-290.	1.7	31
46	The polyphagous plant pathogenic fungus <i>Botrytis cinerea</i> encompasses host-specialized and generalist populations. <i>Environmental Microbiology</i> , 2019, 21, 4808-4821.	3.8	30
47	Evolution of pathogenicity traits in the apple scab fungal pathogen in response to the domestication of its host. <i>Evolutionary Applications</i> , 2012, 5, 694-704.	3.1	28
48	Co-occurrence and hybridization of anther-smut pathogens specialized on <i>Dianthus</i> hosts. <i>Molecular Ecology</i> , 2017, 26, 1877-1890.	3.9	28
49	Genome wide analysis of the transition to pathogenic lifestyles in Magnaporthales fungi. <i>Scientific Reports</i> , 2018, 8, 5862.	3.3	28
50	<i>cloncase</i> : Estimation of sex frequency and effective population size by clonemate resampling in partially clonal organisms. <i>Molecular Ecology Resources</i> , 2016, 16, 845-861.	4.8	25
51	Understanding Adaptation, Coevolution, Host Specialization, and Mating System in Castrating Anther-Smut Fungi by Combining Population and Comparative Genomics. <i>Annual Review of Phytopathology</i> , 2019, 57, 431-457.	7.8	23
52	A Genomic Approach to Develop a New qPCR Test Enabling Detection of the <i>Pyricularia oryzae</i> Lineage Causing Wheat Blast. <i>Plant Disease</i> , 2020, 104, 60-70.	1.4	20
53	Multiple Introductions Without Admixture of <i>Colletotrichum truncatum</i> Associated with Soybean Anthracnose in Brazil. <i>Phytopathology</i> , 2019, 109, 681-689.	2.2	19
54	Higher Gene Flow in Sex-Related Chromosomes than in Autosomes during Fungal Divergence. <i>Molecular Biology and Evolution</i> , 2020, 37, 668-682.	8.9	19

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55	Epidemiology and Evolution of Fungal Pathogens in Plants and Animals. , 2011, , 59-132.		17
56	Distribution and population structure of the anther smut <i>Microbotryum silenes-ae-caulis</i> parasitizing an arctic alpine plant. Molecular Ecology, 2016, 25, 811-824.	3.9	17
57	Co-occurrence among three divergent plant-castrating fungi in the same <i>Silene</i> host species. Molecular Ecology, 2018, 27, 3357-3370.	3.9	17
58	Neurospora from Natural Populations: Population Genomics Insights into the Life History of a Model Microbial Eukaryote. Methods in Molecular Biology, 2020, 2090, 313-336.	0.9	16
59	Purifying selection after episodes of recurrent adaptive diversification in fungal pathogens. Infection, Genetics and Evolution, 2013, 17, 123-131.	2.3	15
60	Tracing the Origin and Evolutionary History of <i>Pyricularia oryzae</i> Infecting Maize and Barnyard Grass. Phytopathology, 2021, 111, 128-136.	2.2	14
61	What makes a specialized endophyte special?. Molecular Ecology, 2018, 27, 3037-3039.	3.9	11
62	Population Genomics Reveals Molecular Determinants of Specialization to Tomato in the Polyphagous Fungal Pathogen <i>Botrytis cinerea</i> in France. Phytopathology, 2021, 111, 2355-2366.	2.2	11
63	Means, motive and opportunity for biological invasions: Genetic introgression in a fungal pathogen. Molecular Ecology, 2023, 32, 2428-2442.	3.9	10
64	Heterogeneity of the rice microbial community of the Chinese centuries-old Honghe Hani rice terraces system. Environmental Microbiology, 2020, 22, 3429-3445.	3.8	8
65	Emergence of Southern Rice Black-Streaked Dwarf Virus in the Centuries-Old Chinese Yuanyang Agrosystem of Rice Landraces. Viruses, 2019, 11, 985.	3.3	7
66	The taxonomy of the model filamentous fungus <i>Podospora anserina</i> . MycoKeys, 2020, 75, 51-69.	1.9	6
67	Population Genomic- and Phylogenomic-Enabled Advances to Increase Insight Into Pathogen Biology and Epidemiology. Phytopathology, 2021, 111, 8-11.	2.2	4
68	Sources of Fungal Genetic Variation and Associating It with Phenotypic Diversity. , 0, , 635-655.		3
69	Hybridizations between formae speciales of <i>Venturia inaequalis</i> pave the way for a new biocontrol strategy to manage fungal plant pathogens. Phytopathology, 2022, , .	2.2	2
70	Updates in the Language of <i>Histoplasma</i> Biodiversity. MBio, 2018, 9, .	4.1	1
71	Genetic polymorphism of <i>Microbotryum violaceum</i> s. l. Isolates collected from different plant species on the territory of Russia. Russian Journal of Genetics, 2010, 46, 1395-1398.	0.6	0