Laura J Grenville-Briggs

List of Publications by Year
in descending order

49 papers	3,846 citations	279798 23 h-index	206112 48 g-index
51 all docs	51 docs citations	51 times ranked	3549 citing authors

#	Article	IF	Citations
1	Rapid emergence of boscalid resistance in Swedish populations of Alternaria solani revealed by a combination of field and laboratory experiments. European Journal of Plant Pathology, 2022, 162, 289-303.	1.7	7
2	The hunt for sustainable biocontrol of oomycete plant pathogens, a case study of Phytophthora infestans. Fungal Biology Reviews, 2022, 40, 53-69.	4.7	21
3	Reduced efficacy of biocontrol agents and plant resistance inducers against potato early blight from greenhouse to field. Journal of Plant Diseases and Protection, 2022, 129, 923-938.	2.9	5
4	Altitudinal Heterogeneity of UV Adaptation in Phytophthorainfestans Is Associated with the Spatial Distribution of a DNA Repair Gene. Journal of Fungi (Basel, Switzerland), 2021, 7, 245.	3.5	5
5	Pathogen-Mediated Stomatal Opening: A Previously Overlooked Pathogenicity Strategy in the Oomycete Pathogen Phytophthora infestans. Frontiers in Plant Science, 2021, 12, 668797.	3.6	11
6	Visualising the ionome in resistant and susceptible plantâ€“pathogen interactions. Plant Journal, 2021, 108, 870-885.	5.7	5
7	Transcriptome Analysis of Potato Infected with the Necrotrophic Pathogen Alternaria solani. Plants, 2021, 10, 2212.	3.5	7
8	Effect of RNA silencing suppression activity of chrysanthemum virus B p12 protein on small RNA species. Archives of Virology, 2020, 165, 2953-2959.	2.1	3
9	What are the Top 10 Unanswered Questions in Molecular Plant-Microbe Interactions?. Molecular Plant-Microbe Interactions, 2020, 33, 1354-1365.	2.6	47
10	Horizontal Gene Transfer and Tandem Duplication Shape the Unique CAZyme Complement of the Mycoparasitic Oomycetes Pythium oligandrum and Pythium periplocum. Frontiers in Microbiology, 2020, 11, 581698.	3.5	10
11	Intact salicylic acid signalling is required for potato defence against the necrotrophic fungus Alternaria solani. Plant Molecular Biology, 2020, 104, 1-19.	3.9	32
12	Monitoring and discrimination of Pandemis moths in apple orchards using semiochemicals, wing pattern morphology and DNA barcoding. Crop Protection, 2020, 132, 105110.	2.1	5
13	The presence of Phytophthora infestans in the rhizosphere of a wild Solanum species may contribute to off-season survival and pathogenicity. Applied Soil Ecology, 2020, 148, 103475.	4.3	7
14	Efficient RNA silencing suppression activity of Potato Mop-Top Virus 8K protein is driven by variability and positive selection. Virology, 2019, 535, 111-121.	2.4	8
15	Within-season changes in Alternaria solani populations in potato in response to fungicide application strategies. European Journal of Plant Pathology, 2019, 155, 953-965.	1.7	27
16	Infection mechanisms and putative effector repertoire of the mosquito pathogenic oomycete Pythium guiyangense uncovered by genomic analysis. PLoS Genetics, 2019, 15, e1008116.	3.5	38
17	Tolerance and overcompensation to infection by Phytophthora infestans in the wild perennial climber Solanum dulcamara. Ecology and Evolution, 2019, 9, 4557-4567.	1.9	6
18	Genome Sequence Resource for the Oomycete Taro Pathogen Phytophthora colocasiae. Molecular Plant-Microbe Interactions, 2018, 31, 903-905.	2.6	8

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19	Screening of alternative products for integrated pest management of cucurbit powdery mildew in Sweden. European Journal of Plant Pathology, 2018, 150, 127-138.	1.7	22
20	Draft Genome Sequence for the Tree PathogenPhytophthora plurivora. Genome Biology and Evolution, 2018, 10, 2432-2442.	2.5	19
21	Draft Genome Sequence of the Mycoparasitic Oomycete Pythium periplocum Strain CBS 532.74. Genome Announcements, 2017, 5, .	0.8	12
22	Draft genome of the oomycete pathogen Phytophthora cactorum strain LV007 isolated from European beech (Fagus sylvatica). Genomics Data, 2017, 12, 155-156.	1.3	18
23	Phytophthora infestans effector Pi14054 is a novel candidate suppressor of host silencing mechanisms. European Journal of Plant Pathology, 2017, 149, 771-777.	1.7	17
24	Draft Genome Sequence of the Mycoparasitic Oomycete Pythium oligandrum Strain CBS 530.74. Genome Announcements, 2017, 5, .	0.8	18
25	Proteomic Analysis of Phytophthora infestans Reveals the Importance of Cell Wall Proteins in Pathogenicity. Molecular and Cellular Proteomics, 2017, 16, 1958-1971.	3.8	31
26	Earlier occurrence and increased explanatory power of climate for the first incidence of potato late blight caused by Phytophthora infestans in Fennoscandia. PLoS ONE, 2017, 12, e0177580.	2.5	26
27	The occurrence of pathogen suppressive soils in Sweden in relation to soil biota, soil properties, and farming practices. Applied Soil Ecology, 2016, 107, 57-65.	4.3	78
28	Infection of the brown alga <scp>E</scp>ctocarpus siliculosus by the oomycete <scp>E</scp>urychasma dicksonii induces oxidative stress and halogen metabolism. Plant, Cell and Environment, 2016, 39, 259-271.	5.7	30
29	Comparative mitochondrial genome analysis of Pythium insidiosum and related oomycete species provides new insights into genetic variation and phylogenetic relationships. Gene, 2016, 575, 34-41.	2.2	11
30	Draft Genome Sequence of the Pathogenic Oomycete Pythium insidiosum Strain Pi-S, Isolated from a Patient with Pythiosis. Genome Announcements, 2015, 3, .	0.8	47
31	Auto-aggregation in zoospores of Phytophthora infestans : the cooperative roles of bioconvection and chemotaxis. Journal of the Royal Society Interface, 2014, 11, 20140017.	3.4	27
32	Functional characterization of a tyrosinase gene from the oomycete Saprolegnia parasitica by RNAi silencing. Fungal Biology, 2014, 118, 621-629.	2.5	12
33	A family of small tyrosine rich proteins is essential for oogonial and oospore cell wall development of the mycoparasitic oomycete Pythium oligandrum. Fungal Biology, 2013, 117, 163-172.	2.5	14
34	Distinctive Expansion of Potential Virulence Genes in the Genome of the Oomycete Fish Pathogen Saprolegnia parasitica. PLoS Genetics, 2013, 9, e1003272.	3.5	221
35	The oomycete Pythium oligandrum expresses putative effectors during mycoparasitism of Phytophthora infestans and is amenable to transformation. Fungal Biology, 2012, 116, 24-41.	2.5	74
36	Evidence for involvement of Dicerâ€like, Argonaute and histone deacetylase proteins in gene silencing in Phytophthora infestans. Molecular Plant Pathology, 2011, 12, 772-785.	4.2	64

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37	Selfâ€directed student research through analysis of microarray datasets: A computerâ€based functional genomics practical class for mastersâ€level students. Biochemistry and Molecular Biology Education, 2011, 39, 440-447.	1.2	0
38	A Molecular Insight into Algal-Oomycete Warfare: cDNA Analysis of Ectocarpus siliculosus Infected with the Basal Oomycete Eurychasma dicksonii. PLoS ONE, 2011, 6, e24500.	2.5	33
39	Identification of appressorial and mycelial cell wall proteins and a survey of the membrane proteome of Phytophthora infestans. Fungal Biology, 2010, 114, 702-723.	2.5	41
40	Genome sequence of the necrotrophic plant pathogen Pythium ultimum reveals original pathogenicity mechanisms and effector repertoire. Genome Biology, 2010, 11, R73.	9.6	391
41	Genome sequence and analysis of the Irish potato famine pathogen Phytophthora infestans. Nature, 2009, 461, 393-398.	27.8	1,405
42	A novelPhytophthora infestanshaustorium-specific membrane protein is required for infection of potato. Cellular Microbiology, 2008, 10, 2271-2284.	2.1	87
43	A putative DEAD-box RNA-helicase is required for normal zoospore development in the late blight pathogen Phytophthora infestans. Fungal Genetics and Biology, 2008, 45, 954-962.	2.1	30
44	Internuclear gene silencing in Phytophthora infestans is established through chromatin remodelling. Microbiology (United Kingdom), 2008, 154, 1482-1490.	1.8	71
45	Cellulose Synthesis inPhytophthora infestansIs Required for Normal Appressorium Formation and Successful Infection of Potato. Plant Cell, 2008, 20, 720-738.	6.6	133
46	Gene Expression Profiling During Asexual Development of the Late Blight Pathogen Phytophthora infestans Reveals a Highly Dynamic Transcriptome. Molecular Plant-Microbe Interactions, 2008, 21, 433-447.	2.6	105
47	Elevated amino acid biosynthesis in Phytophthora infestans during appressorium formation and potato infection. Fungal Genetics and Biology, 2005, 42, 244-256.	2.1	110
48	The Biotrophic Stages of Oomyceteâ€“Plant Interactions. Advances in Applied Microbiology, 2005, 57, 217-243.	2.4	39
49	Host-Parasite Coevolutionary Conflict Between Arabidopsis and Downy Mildew. Science, 2004, 306, 1957-1960.	12.6	406