

Laura J Grenville-Briggs

List of Publications by Year in descending order

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Version: 2024-02-01

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	Genome sequence and analysis of the Irish potato famine pathogen <i>Phytophthora infestans</i> . <i>Nature</i> , 2009, 461, 393-398.	27.8	1,405
2	Host-Parasite Coevolutionary Conflict Between <i>Arabidopsis</i> and Downy Mildew. <i>Science</i> , 2004, 306, 1957-1960.	12.6	406
3	Genome sequence of the necrotrophic plant pathogen <i>Pythium ultimum</i> reveals original pathogenicity mechanisms and effector repertoire. <i>Genome Biology</i> , 2010, 11, R73.	9.6	391
4	Distinctive Expansion of Potential Virulence Genes in the Genome of the Oomycete Fish Pathogen <i>Saprolegnia parasitica</i> . <i>PLoS Genetics</i> , 2013, 9, e1003272.	3.5	221
5	Cellulose Synthesis in <i>Phytophthora infestans</i> Is Required for Normal Appressorium Formation and Successful Infection of Potato. <i>Plant Cell</i> , 2008, 20, 720-738.	6.6	133
6	Elevated amino acid biosynthesis in <i>Phytophthora infestans</i> during appressorium formation and potato infection. <i>Fungal Genetics and Biology</i> , 2005, 42, 244-256.	2.1	110
7	Gene Expression Profiling During Asexual Development of the Late Blight Pathogen <i>Phytophthora infestans</i> Reveals a Highly Dynamic Transcriptome. <i>Molecular Plant-Microbe Interactions</i> , 2008, 21, 433-447.	2.6	105
8	A novel <i>Phytophthora infestans</i> haustorium-specific membrane protein is required for infection of potato. <i>Cellular Microbiology</i> , 2008, 10, 2271-2284.	2.1	87
9	The occurrence of pathogen suppressive soils in Sweden in relation to soil biota, soil properties, and farming practices. <i>Applied Soil Ecology</i> , 2016, 107, 57-65.	4.3	78
10	The oomycete <i>Pythium oligandrum</i> expresses putative effectors during mycoparasitism of <i>Phytophthora infestans</i> and is amenable to transformation. <i>Fungal Biology</i> , 2012, 116, 24-41.	2.5	74
11	Internuclear gene silencing in <i>Phytophthora infestans</i> is established through chromatin remodelling. <i>Microbiology (United Kingdom)</i> , 2008, 154, 1482-1490.	1.8	71
12	Evidence for involvement of Dicer-like, Argonaute and histone deacetylase proteins in gene silencing in <i>Phytophthora infestans</i> . <i>Molecular Plant Pathology</i> , 2011, 12, 772-785.	4.2	64
13	Draft Genome Sequence of the Pathogenic Oomycete <i>Pythium insidiosum</i> Strain Pi-S, Isolated from a Patient with Pythiosis. <i>Genome Announcements</i> , 2015, 3, .	0.8	47
14	What are the Top 10 Unanswered Questions in Molecular Plant-Microbe Interactions?. <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 1354-1365.	2.6	47
15	Identification of appressorial and mycelial cell wall proteins and a survey of the membrane proteome of <i>Phytophthora infestans</i> . <i>Fungal Biology</i> , 2010, 114, 702-723.	2.5	41
16	The Biotrophic Stages of Oomycete-Plant Interactions. <i>Advances in Applied Microbiology</i> , 2005, 57, 217-243.	2.4	39
17	Infection mechanisms and putative effector repertoire of the mosquito pathogenic oomycete <i>Pythium guiyangense</i> uncovered by genomic analysis. <i>PLoS Genetics</i> , 2019, 15, e1008116.	3.5	38
18	A Molecular Insight into Algal-Oomycete Warfare: cDNA Analysis of <i>Ectocarpus siliculosus</i> Infected with the Basal Oomycete <i>Eurychasma dicksonii</i> . <i>PLoS ONE</i> , 2011, 6, e24500.	2.5	33

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19	Intact salicylic acid signalling is required for potato defence against the necrotrophic fungus <i>Alternaria solani</i> . <i>Plant Molecular Biology</i> , 2020, 104, 1-19.	3.9	32
20	Proteomic Analysis of <i>Phytophthora infestans</i> Reveals the Importance of Cell Wall Proteins in Pathogenicity. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 1958-1971.	3.8	31
21	A putative DEAD-box RNA-helicase is required for normal zoospore development in the late blight pathogen <i>Phytophthora infestans</i> . <i>Fungal Genetics and Biology</i> , 2008, 45, 954-962.	2.1	30
22	Infection of the brown alga <i>Ectocarpus siliculosus</i> by the oomycete <i>Urychasma dicksonii</i> induces oxidative stress and halogen metabolism. <i>Plant, Cell and Environment</i> , 2016, 39, 259-271.	5.7	30
23	Auto-aggregation in zoospores of <i>Phytophthora infestans</i> : the cooperative roles of bioconvection and chemotaxis. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140017.	3.4	27
24	Within-season changes in <i>Alternaria solani</i> populations in potato in response to fungicide application strategies. <i>European Journal of Plant Pathology</i> , 2019, 155, 953-965.	1.7	27
25	Earlier occurrence and increased explanatory power of climate for the first incidence of potato late blight caused by <i>Phytophthora infestans</i> in Fennoscandia. <i>PLoS ONE</i> , 2017, 12, e0177580.	2.5	26
26	Screening of alternative products for integrated pest management of cucurbit powdery mildew in Sweden. <i>European Journal of Plant Pathology</i> , 2018, 150, 127-138.	1.7	22
27	The hunt for sustainable biocontrol of oomycete plant pathogens, a case study of <i>Phytophthora infestans</i> . <i>Fungal Biology Reviews</i> , 2022, 40, 53-69.	4.7	21
28	Draft Genome Sequence for the Tree Pathogen <i>Phytophthora plurivora</i> . <i>Genome Biology and Evolution</i> , 2018, 10, 2432-2442.	2.5	19
29	Draft genome of the oomycete pathogen <i>Phytophthora cactorum</i> strain LV007 isolated from European beech (<i>Fagus sylvatica</i>). <i>Genomics Data</i> , 2017, 12, 155-156.	1.3	18
30	Draft Genome Sequence of the Mycoparasitic Oomycete <i>Pythium oligandrum</i> Strain CBS 530.74. <i>Genome Announcements</i> , 2017, 5, .	0.8	18
31	<i>Phytophthora infestans</i> effector Pi14054 is a novel candidate suppressor of host silencing mechanisms. <i>European Journal of Plant Pathology</i> , 2017, 149, 771-777.	1.7	17
32	A family of small tyrosine rich proteins is essential for oogonial and oospore cell wall development of the mycoparasitic oomycete <i>Pythium oligandrum</i> . <i>Fungal Biology</i> , 2013, 117, 163-172.	2.5	14
33	Functional characterization of a tyrosinase gene from the oomycete <i>Saprolegnia parasitica</i> by RNAi silencing. <i>Fungal Biology</i> , 2014, 118, 621-629.	2.5	12
34	Draft Genome Sequence of the Mycoparasitic Oomycete <i>Pythium periplocum</i> Strain CBS 532.74. <i>Genome Announcements</i> , 2017, 5, .	0.8	12
35	Comparative mitochondrial genome analysis of <i>Pythium insidiosum</i> and related oomycete species provides new insights into genetic variation and phylogenetic relationships. <i>Gene</i> , 2016, 575, 34-41.	2.2	11
36	Pathogen-Mediated Stomatal Opening: A Previously Overlooked Pathogenicity Strategy in the Oomycete Pathogen <i>Phytophthora infestans</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 668797.	3.6	11

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37	Horizontal Gene Transfer and Tandem Duplication Shape the Unique CAZyme Complement of the Mycoparasitic Oomycetes <i>Pythium oligandrum</i> and <i>Pythium periplocum</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 581698.	3.5	10
38	Genome Sequence Resource for the Oomycete Taro Pathogen <i>Phytophthora colocasiae</i> . <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 903-905.	2.6	8
39	Efficient RNA silencing suppression activity of Potato Mop-Top Virus 8K protein is driven by variability and positive selection. <i>Virology</i> , 2019, 535, 111-121.	2.4	8
40	The presence of <i>Phytophthora infestans</i> in the rhizosphere of a wild <i>Solanum</i> species may contribute to off-season survival and pathogenicity. <i>Applied Soil Ecology</i> , 2020, 148, 103475.	4.3	7
41	Transcriptome Analysis of Potato Infected with the Necrotrophic Pathogen <i>Alternaria solani</i> . <i>Plants</i> , 2021, 10, 2212.	3.5	7
42	Rapid emergence of boscalid resistance in Swedish populations of <i>Alternaria solani</i> revealed by a combination of field and laboratory experiments. <i>European Journal of Plant Pathology</i> , 2022, 162, 289-303.	1.7	7
43	Tolerance and overcompensation to infection by <i>Phytophthora infestans</i> in the wild perennial climber <i>Solanum dulcamara</i> . <i>Ecology and Evolution</i> , 2019, 9, 4557-4567.	1.9	6
44	Monitoring and discrimination of <i>Pandemis</i> moths in apple orchards using semiochemicals, wing pattern morphology and DNA barcoding. <i>Crop Protection</i> , 2020, 132, 105110.	2.1	5
45	Altitudinal Heterogeneity of LIV Adaptation in <i>Phytophthora infestans</i> Is Associated with the Spatial Distribution of a DNA Repair Gene. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 245.	3.5	5
46	Visualising the ionome in resistant and susceptible plant-pathogen interactions. <i>Plant Journal</i> , 2021, 108, 870-885.	5.7	5
47	Reduced efficacy of biocontrol agents and plant resistance inducers against potato early blight from greenhouse to field. <i>Journal of Plant Diseases and Protection</i> , 2022, 129, 923-938.	2.9	5
48	Effect of RNA silencing suppression activity of chrysanthemum virus B p12 protein on small RNA species. <i>Archives of Virology</i> , 2020, 165, 2953-2959.	2.1	3
49	Self-directed student research through analysis of microarray datasets: A computer-based functional genomics practical class for masters-level students. <i>Biochemistry and Molecular Biology Education</i> , 2011, 39, 440-447.	1.2	0