

GaÃ©tan Le Floch

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

2,153
citations

218381

26
h-index

253896

43
g-index

65
all docs

65
docs citations

65
times ranked

2802
citing authors

#	ARTICLE	IF	CITATIONS
1	Gene family expansions and contractions are associated with host range in plant pathogens of the genus <i>Colletotrichum</i> . <i>BMC Genomics</i> , 2016, 17, 555.	1.2	151
2	Antimicrobial, antioxidant and phytochemical investigations of sea buckthorn (<i>Hippophaë rhamnoides</i>) Tj ETQq0 0 0 rgBT /Overlock 10	4.2	131
3	Radical scavenging, antioxidant and antimicrobial activities of halophytic species. <i>Journal of Ethnopharmacology</i> , 2008, 116, 258-262.	2.0	119
4	Biological control of plant pathogens: advantages and limitations seen through the case study of <i>Pythium oligandrum</i> . <i>Environmental Science and Pollution Research</i> , 2014, 21, 4847-4860.	2.7	107
5	Effect of tillage and static abiotic soil properties on microbial diversity. <i>Applied Soil Ecology</i> , 2018, 132, 135-145.	2.1	101
6	<i>Pythium oligandrum</i> : an example of opportunistic success. <i>Microbiology (United Kingdom)</i> , 2012, 158, 2679-2694.	0.7	89
7	Challenges facing the biological control strategies for the management of Fusarium Head Blight of cereals caused by <i>F. graminearum</i> . <i>Biological Control</i> , 2017, 113, 26-38.	1.4	88
8	Molecular techniques for pathogen identification and fungus detection in the environment. <i>IMA Fungus</i> , 2011, 2, 177-189.	1.7	81
9	New antibacterial and cytotoxic activities of faltarindiol isolated in <i>Crithmum maritimum</i> L. leaf extract. <i>Food and Chemical Toxicology</i> , 2010, 48, 553-557.	1.8	66
10	The <i>Colletotrichum acutatum</i> Species Complex as a Model System to Study Evolution and Host Specialization in Plant Pathogens. <i>Frontiers in Microbiology</i> , 2017, 8, 2001.	1.5	61
11	Influence of <i>Pythium oligandrum</i> Biocontrol on Fungal and Oomycete Population Dynamics in the Rhizosphere. <i>Applied and Environmental Microbiology</i> , 2009, 75, 4790-4800.	1.4	55
12	Pathogenic and beneficial microorganisms in soilless cultures. <i>Agronomy for Sustainable Development</i> , 2011, 31, 191-203.	2.2	55
13	Impact of auxin-compounds produced by the antagonistic fungus <i>Pythium oligandrum</i> or the minor pathogen <i>Pythium</i> group F on plant growth. <i>Plant and Soil</i> , 2003, 257, 459-470.	1.8	53
14	Combined Metabarcoding and Co-occurrence Network Analysis to Profile the Bacterial, Fungal and Fusarium Communities and Their Interactions in Maize Stalks. <i>Frontiers in Microbiology</i> , 2019, 10, 261.	1.5	51
15	Insights into <i>Penicillium roqueforti</i> Morphological and Genetic Diversity. <i>PLoS ONE</i> , 2015, 10, e0129849.	1.1	46
16	Enhancement of development and induction of resistance in tomato plants by the antagonist, <i>Pythium oligandrum</i> . <i>Agronomy for Sustainable Development</i> , 2003, 23, 455-460.	0.8	45
17	Aquatic Bacterial Communities Associated With Land Use and Environmental Factors in Agricultural Landscapes Using a Metabarcoding Approach. <i>Frontiers in Microbiology</i> , 2018, 9, 2301.	1.5	44
18	Combining the oomycete <i>Pythium oligandrum</i> with two other antagonistic fungi: Root relationships and tomato grey mold biocontrol. <i>Biological Control</i> , 2009, 50, 288-298.	1.4	43

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19	Bacterial Blight Induced Shifts in Endophytic Microbiome of Rice Leaves and the Enrichment of Specific Bacterial Strains With Pathogen Antagonism. <i>Frontiers in Plant Science</i> , 2020, 11, 963.	1.7	40
20	Fungal Planet description sheets: 1182–1283. <i>Persoonia: Molecular Phylogeny and Evolution of Fungi</i> , 2021, .	1.6	40
21	Characterisation of the early events in atypical tomato root colonisation by a biocontrol agent, <i>Pythium oligandrum</i> . <i>Plant Physiology and Biochemistry</i> , 2005, 43, 1-11.	2.8	38
22	Rhizosphere persistence of three <i>Pythium oligandrum</i> strains in tomato soilless culture assessed by DNA microarray and real-time PCR. <i>FEMS Microbiology Ecology</i> , 2007, 61, 317-326.	1.3	36
23	<i>Pneumocystis jirovecii</i> in the air surrounding patients with <i>Pneumocystis</i> pulmonary colonization. <i>Diagnostic Microbiology and Infectious Disease</i> , 2015, 82, 137-142.	0.8	34
24	Microbiota in the Rhizosphere and Seed of Rice From China, With Reference to Their Transmission and Biogeography. <i>Frontiers in Microbiology</i> , 2020, 11, 995.	1.5	32
25	Assessing Performance of Spore Samplers in Monitoring Aeromycobiota and Fungal Plant Pathogen Diversity in Canada. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	31
26	Combined Metabarcoding and Multi-locus approach for Genetic characterization of <i>Colletotrichum</i> species associated with common walnut (<i>Juglans regia</i>) anthracnose in France. <i>Scientific Reports</i> , 2018, 8, 10765.	1.6	29
27	Polyphenol content and biological activities of <i>Mesembryanthemum edule</i> organs after fractionation. <i>Industrial Crops and Products</i> , 2013, 42, 145-152.	2.5	28
28	Draft Genome Sequence of <i>Pantoea ananatis</i> Strain LMG 2665 T, a Bacterial Pathogen of Pineapple Fruitlets. <i>Genome Announcements</i> , 2014, 2, .	0.8	28
29	Rhizosphere microbiota assemblage associated with wild and cultivated soybeans grown in three types of soil suspensions. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 74-87.	1.3	28
30	Interactions between the mycoparasite <i>Pythium oligandrum</i> and two types of sclerotia of plant-pathogenic fungi. <i>Mycological Research</i> , 2005, 109, 779-788.	2.5	27
31	Modelling the effect of temperature, water activity and pH on the growth of <i>Serpula lacrymans</i> . <i>Journal of Applied Microbiology</i> , 2011, 111, 1436-1446.	1.4	27
32	Development of Crop.LCA, an adaptable screening life cycle assessment tool for agricultural systems: A Canadian scenario assessment. <i>Journal of Cleaner Production</i> , 2018, 172, 3770-3780.	4.6	26
33	A novel metabarcoding approach to investigate <i>Fusarium</i> species composition in soil and plant samples. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	25
34	The Ecobiomics project: Advancing metagenomics assessment of soil health and freshwater quality in Canada. <i>Science of the Total Environment</i> , 2020, 710, 135906.	3.9	25
35	Whole-Genome Sequence of the Orchid Anthracnose Pathogen <i>Colletotrichum orchidophilum</i> . <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 979-981.	1.4	21
36	Molecular Detection of the Seed-Borne Pathogen <i>Colletotrichum lupini</i> Targeting the Hyper-Variable IGS Region of the Ribosomal Cluster. <i>Plants</i> , 2019, 8, 222.	1.6	18

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37	Phylogenetic Diversity and Effect of Temperature on Pathogenicity of <i>Colletotrichum lupini</i> . <i>Plant Disease</i> , 2020, 104, 938-950.	0.7	18
38	Deciphering the Infectious Process of <i>Colletotrichum lupini</i> in Lupin through Transcriptomic and Proteomic Analysis. <i>Microorganisms</i> , 2020, 8, 1621.	1.6	18
39	Evolution of the amino acid fingerprint in the unsterilized rhizosphere of a legume in relation to plant maturity. <i>Soil Biology and Biochemistry</i> , 2016, 101, 226-236.	4.2	17
40	Improved molecular methods to characterise <i>Serpula lacrymans</i> and other Basidiomycetes involved in wood decay. <i>Journal of Microbiological Methods</i> , 2011, 84, 208-215.	0.7	16
41	Application of denaturing high-performance liquid chromatography (DHPLC) for yeasts identification in red smear cheese surfaces. <i>Letters in Applied Microbiology</i> , 2010, 51, no-no.	1.0	15
42	Co-occurrence analysis reveal that biotic and abiotic factors influence soil fungistasis against <i>Fusarium graminearum</i> . <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	15
43	First Report of <i>Colletotrichum fructicola</i> Causing Apple Bitter Rot in Europe. <i>Plant Disease</i> , 2019, 103, 1767.	0.7	13
44	Development of qPCR assays to monitor the ability of <i>Gliocladium catenulatum</i> J1446 to reduce the cereal pathogen <i>Fusarium graminearum</i> inoculum in soils. <i>European Journal of Plant Pathology</i> , 2018, 152, 285-295.	0.8	12
45	Phylogeny of Canadian ergot fungi and a detection assay by real-time polymerase chain reaction. <i>Mycologia</i> , 2019, 111, 493-505.	0.8	12
46	First Report of Apple Bitter Rot Caused by <i>Colletotrichum fioriniae</i> in Brittany, France. <i>Plant Disease</i> , 2016, 100, 1497-1497.	0.7	11
47	Towards Improved Detection and Identification of Rust Fungal Pathogens in Environmental Samples Using a Metabarcoding Approach. <i>Phytopathology</i> , 2022, 112, 535-548.	1.1	10
48	Complete Genome Sequence of the plant pathogenic fungus <i>Colletotrichum lupini</i> . <i>Molecular Plant-Microbe Interactions</i> , 2021, , MPMI07210173A.	1.4	9
49	Draft Genome Sequences of Three <i>Arcobacter</i> Strains of Pig and Dairy Cattle Manure Origin. <i>Genome Announcements</i> , 2014, 2, .	0.8	8
50	Influence of Maize Residues in Shaping Soil Microbiota and <i>Fusarium</i> spp. Communities. <i>Microbial Ecology</i> , 2022, 83, 702-713.	1.4	8
51	Population structure of <i>Serpula lacrymans</i> in Europe with an outlook to the French population. <i>Mycologia</i> , 2014, 106, 889-895.	0.8	7
52	First Report of Pear Bitter Rot Caused by <i>Colletotrichum fioriniae</i> in France. <i>Plant Disease</i> , 2017, 101, 1319-1319.	0.7	7
53	Pollination, Fertilization and Floral Traits Co-Segregating with Autofertility in Faba Bean. <i>Journal of New Seeds</i> , 2009, 10, 14-30.	0.3	6
54	Identification and Characterization of a New Type III Polyketide Synthase from a Marine Yeast, <i>Naganishia uzbekistanensis</i> . <i>Marine Drugs</i> , 2020, 18, 637.	2.2	4

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55	Eelgrass Slabs, a Soilless Culture Substrate That Inhibits Adhesion of Fungi and Oomycetes and Enhances Antioxidant Activity in Tomato. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 10913-10918.	2.4	3
56	Draft Genome Sequence of <i>Pectobacterium wasabiae</i> Strain CFIA1002. <i>Genome Announcements</i> , 2014, 2, .	0.8	3
57	Water Microbiota in Greenhouses With Soilless Cultures of Tomato by Metabarcoding and Culture-Dependent Approaches. <i>Frontiers in Microbiology</i> , 2020, 11, 1354.	1.5	3
58	L'unit� biologique du bulbe d'�chalote au cours du temps. <i>Acta Botanica Gallica</i> , 1999, 146, 169-178.	0.9	2
59	Improving Complementarity Effect of Legume Intercrop by Earthworm Facilitation for Wheat Performance. <i>Journal of Agricultural Science</i> , 2019, 10, 1.	0.1	1
60	<i>Colletotrichum</i>: new pathogen in walnut orchards â€“ characterization of the fungus and research on control methods. <i>Acta Horticulturae</i> , 2021, , 147-150.	0.1	0
61	Capacit� des sols forestiers tropicaux de Guyane et de la R�union � d�polluer les bois impr�gn�s de biocides. <i>Bois Et Forets Des Tropiques</i> , 2013, 318, 51.	0.2	0
62	Draft Genome Sequence of <i>Helicobacter</i> sp. Strain CaF467b, Isolated from a Pig Manure Storage Tank. <i>Microbiology Resource Announcements</i> , 0, , .	0.3	0