

# Philippe Simoneau

## List of Publications by Year in descending order

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90  
papers

3,069  
citations

147726

31  
h-index

175177

52  
g-index

91  
all docs

91  
docs citations

91  
times ranked

3455  
citing authors

#	ARTICLE	IF	CITATIONS
1	Emergence Shapes the Structure of the Seed Microbiota. <i>Applied and Environmental Microbiology</i> , 2015, 81, 1257-1266.	1.4	294
2	Dual Roles of Reactive Oxygen Species and NADPH Oxidase RBOHD in an Arabidopsis- <i>Alternaria</i> Pathosystem. <i>Plant Physiology</i> , 2009, 151, 1459-1475.	2.3	196
3	<i>Calonectria</i> species and their <i>Cylindrocladium</i> anamorphs: species with clavate vesicles. <i>Studies in Mycology</i> , 2006, 55, 213-226.	4.5	156
4	In vitro fungicide sensitivity of <i>Alternaria</i> species pathogenic to crucifers and identification of <i>Alternaria brassicicola</i> field isolates highly resistant to both dicarboximides and phenylpyrroles. <i>Crop Protection</i> , 2004, 23, 481-488.	1.0	99
5	In vitro antifungal activity of brassinin, camalexin and two isothiocyanates against the crucifer pathogens <i>Alternaria brassicicola</i> and <i>Alternaria brassicae</i> . <i>Plant Pathology</i> , 2007, 56, 296-301.	1.2	91
6	Assembly of seed-associated microbial communities within and across successive plant generations. <i>Plant and Soil</i> , 2018, 422, 67-79.	1.8	91
7	Characterization of mutations in the two-component histidine kinase gene <i>AbNIK1</i> from <i>Alternaria brassicicola</i> that confer high dicarboximide and phenylpyrrole resistance. <i>Current Genetics</i> , 2005, 47, 234-243.	0.8	89
8	Conventional and Real-Time PCR-Based Assay for Detecting Pathogenic <i>Alternaria brassicae</i> in Cruciferous Seed. <i>Plant Disease</i> , 2004, 88, 490-496.	0.7	81
9	Transcriptional responses to exposure to the brassicaceous defence metabolites camalexin and allyl-isothiocyanate in the necrotrophic fungus <i>Alternaria brassicicola</i> . <i>Molecular Plant Pathology</i> , 2007, 8, 195-208.	2.0	77
10	Glucosinolate-derived isothiocyanates impact mitochondrial function in fungal cells and elicit an oxidative stress response necessary for growth recovery. <i>Frontiers in Plant Science</i> , 2015, 06, 414.	1.7	75
11	Ha-DEF1, a sunflower defensin, induces cell death in <i>Orobanche</i> parasitic plants. <i>Planta</i> , 2007, 226, 591-600.	1.6	69
12	Cell wall integrity and high osmolarity glycerol pathways are required for adaptation of <i>Alternaria brassicicola</i> to cell wall stress caused by brassicaceous indolic phytoalexins. <i>Cellular Microbiology</i> , 2011, 13, 62-80.	1.1	66
13	Impact of the unfolded protein response on the pathogenicity of the necrotrophic fungus <i>Alternaria brassicicola</i> . <i>Molecular Microbiology</i> , 2011, 79, 1305-1324.	1.2	62
14	Characterization in apple leaves of two subclasses of PR-10 transcripts inducible by acibenzolar-S-methyl, a functional analogue of salicylic acid. <i>Physiological and Molecular Plant Pathology</i> , 2001, 59, 33-43.	1.3	60
15	Molecular characterization of the anthocyanidin synthase gene in <i>Forsythia</i> — <i>intermedia</i> reveals organ-specific expression during flower development. <i>Plant Science</i> , 1999, 149, 73-79.	1.7	59
16	Editorial special issue: the soil, the seed, the microbes and the plant. <i>Plant and Soil</i> , 2018, 422, 1-5.	1.8	59
17	<i>Alternaria</i> species associated with early blight epidemics on tomato and other Solanaceae crops in northwestern Algeria. <i>European Journal of Plant Pathology</i> , 2017, 148, 181-197.	0.8	55
18	Molecular cloning and expression analysis of dihydroflavonol 4-reductase gene in flower organs of <i>Forsythia x intermedia</i> . <i>Plant Molecular Biology</i> , 1997, 35, 303-311.	2.0	54

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19	Enumeration and characterization of cellulolytic bacteria from refuse of a landfill. FEMS Microbiology Ecology, 2001, 34, 229-241.	1.3	51
20	Characterization of AgMaT2, a Plasma Membrane Mannitol Transporter from Celery, Expressed in Phloem Cells, Including Phloem Parenchyma Cells. Plant Physiology, 2007, 145, 62-74.	2.3	51
21	Differences in stability of seed-associated microbial assemblages in response to invasion by phytopathogenic microorganisms. PeerJ, 2016, 4, e1923.	0.9	49
22	The Group III Two-Component Histidine Kinase of Filamentous Fungi Is Involved in the Fungicidal Activity of the Bacterial Polyketide Ambruticin. Applied and Environmental Microbiology, 2009, 75, 127-134.	1.4	47
23	Laser nephelometry applied in an automated microplate system to study filamentous fungus growth. BioTechniques, 2010, 48, 399-404.	0.8	47
24	Title is missing!. Molecular Breeding, 2003, 12, 197-208.	1.0	46
25	Analysis of a nonribosomal peptide synthetase gene from <i>Alternaria brassicae</i> and flanking genomic sequences. Current Genetics, 2004, 45, 214-224.	0.8	46
26	Symbiosis-related polypeptides associated with the early stages of ectomycorrhiza organogenesis in birch ( <i>Betula pendula</i> Roth). New Phytologist, 1993, 124, 495-504.	3.5	43
27	A wound- and ethephon-inducible PR-10 gene subclass from apple is differentially expressed during infection with a compatible and an incompatible race of <i>Venturia inaequalis</i> . Physiological and Molecular Plant Pathology, 2003, 62, 3-12.	1.3	43
28	Evaluating aggressiveness and host range of <i>Alternaria dauci</i> in a controlled environment. Plant Pathology, 2012, 61, 63-75.	1.2	41
29	Characterization of glutathione transferases involved in the pathogenicity of <i>Alternaria brassicicola</i> . BMC Microbiology, 2015, 15, 123.	1.3	37
30	Inhibitory effects of the carrot metabolites 6-methoxymellein and falcarindiol on development of the fungal leaf blight pathogen <i>Alternaria dauci</i> . Physiological and Molecular Plant Pathology, 2012, 80, 58-67.	1.3	35
31	Accumulation of New Polypeptides in Ri T-DNA-Transformed Roots of Tomato ( <i>Lycopersicon</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Environmental Microbiology, 1994, 60, 1810-1813.	1.4	35
32	The <i>Arabidopsis thaliana</i> - <i>Alternaria brassicicola</i> pathosystem: A model interaction for investigating seed transmission of necrotrophic fungi. Plant Methods, 2012, 8, 16.	1.9	33
33	Role of mannitol metabolism in the pathogenicity of the necrotrophic fungus <i>Alternaria brassicicola</i> . Frontiers in Plant Science, 2013, 4, 131.	1.7	31
34	Genome Sequence of the Necrotrophic Plant Pathogen <i>Alternaria brassicicola</i> Abra43. Genome Announcements, 2018, 6, .	0.8	31
35	Molecular cloning of AbGst1 encoding a glutathione transferase differentially expressed during exposure of <i>Alternaria brassicicola</i> to isothiocyanates. FEMS Microbiology Letters, 2006, 258, 241-249.	0.7	30
36	Molecular cloning and biochemical characterization of a Cu,Zn-superoxide dismutase from <i>Scedosporium apiospermum</i> . Microbes and Infection, 2007, 9, 558-565.	1.0	28

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37	Impact of carrot resistance on development of the <i>Alternaria</i> leaf blight pathogen ( <i>Alternaria dauci</i> ). <i>European Journal of Plant Pathology</i> , 2008, 121, 55-66.	0.8	28
38	Induced defence responses limit Hartig net formation in ectomycorrhizal birch roots. <i>New Phytologist</i> , 1999, 144, 541-547.	3.5	26
39	KNAP2, a class I KN1-like gene is a negative marker of bud growth potential in apple trees ( <i>Malus</i> ). <i>Tj ETQq1 1 0.784314 rgBT /Overloc</i>	2.4	26
40	Effect of null mutations in the <i>AbNIK1</i> gene on saprophytic and parasitic fitness of <i>Alternaria brassicicola</i> isolates highly resistant to dicarboximide fungicides. <i>Plant Pathology</i> , 2008, 57, 937-947.	1.2	26
41	<i>Samsonia erythrinae</i> gen. nov., sp. nov., isolated from bark necrotic lesions of <i>Erythrina</i> sp., and discrimination of plant-pathogenic <i>Enterobacteriaceae</i> by phenotypic features.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2001, 51, 1291-1304.	0.8	26
42	Impact of the UPR on the virulence of the plant fungal pathogen <i>A. brassicicola</i> . <i>Virulence</i> , 2014, 5, 357-364.	1.8	25
43	A flavoprotein supports cell wall properties in the necrotrophic fungus <i>Alternaria brassicicola</i> . <i>Fungal Biology and Biotechnology</i> , 2017, 4, 1.	2.5	25
44	Dehydrin-like Proteins in the Necrotrophic Fungus <i>Alternaria brassicicola</i> Have a Role in Plant Pathogenesis and Stress Response. <i>PLoS ONE</i> , 2013, 8, e75143.	1.1	24
45	Two members of the <i>Bet v 1</i> gene family encoding birch pathogenesis-related proteins display different patterns of root expression and wound-inducibility. <i>Functional Plant Biology</i> , 1998, 25, 459.	1.1	24
46	Evaluation of different methods for the characterization of carrot resistance to the <i>alternaria</i> leaf blight pathogen ( <i>Alternaria dauci</i> ) revealed two qualitatively different resistances. <i>Plant Pathology</i> , 2010, 59, 368-375.	1.2	22
47	Isolation of 12 polymorphic microsatellite loci in the phytopathogenic fungus <i>Alternaria brassicicola</i> . <i>Molecular Ecology Notes</i> , 2005, 5, 948-950.	1.7	21
48	Isolation and characterization of microsatellite markers from the phytopathogenic fungus <i>Alternaria dauci</i> . <i>Molecular Ecology Resources</i> , 2009, 9, 390-392.	2.2	21
49	Codon reading scheme in <i>Mycoplasma pneumoniae</i> revealed by the analysis of the complete set of tRNA genes. <i>Nucleic Acids Research</i> , 1993, 21, 4967-4974.	6.5	20
50	Partial Resistance of Carrot to <i>Alternaria dauci</i> Correlates with In Vitro Cultured Carrot Cell Resistance to Fungal Exudates. <i>PLoS ONE</i> , 2014, 9, e101008.	1.1	19
51	The gene for a 4.5S RNA homolog from <i>Mycoplasma pneumoniae</i> : genetic selection, sequence, and transcription analysis. <i>Journal of Bacteriology</i> , 1992, 174, 627-629.	1.0	17
52	First Report of Early Blight Caused by <i>Alternaria protenta</i> on Potato in Algeria. <i>Plant Disease</i> , 2017, 101, 836.	0.7	16
53	Methods for Investigating the UPR in Filamentous Fungi. <i>Methods in Enzymology</i> , 2011, 490, 1-29.	0.4	14
54	Phosphoproteome profiles of the phytopathogenic fungi <i>Alternaria brassicicola</i> and <i>Botrytis cinerea</i> during exponential growth in axenic cultures. <i>Proteomics</i> , 2014, 14, 1639-1645.	1.3	13

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55	Typing <i>Cylindrocladium</i> species by analysis of ribosomal DNA spacers polymorphism: Application to field isolates from the banana rhizosphere. <i>Mycologia</i> , 2001, 93, 494-504.	0.8	11
56	Expression of a <i>Bet v 1</i> homologue gene encoding a PR 10 protein in birch roots: induction by auxin and localization of the transcripts by in situ hybridization. <i>Functional Plant Biology</i> , 2001, 28, 57.	1.1	11
57	First Report of an <i>Alternaria</i> Leaf Spot Caused by <i>Alternaria brassicae</i> on <i>Crambe abyssinica</i> in Australia. <i>Plant Disease</i> , 2005, 89, 430-430.	0.7	11
58	First Report of Tomato Early Blight Caused by <i>Alternaria grandis</i> in Algeria. <i>Plant Disease</i> , 2016, 100, 533-533.	0.7	11
59	Isolation of <i>Spiroplasma citri</i> membranes and characterization of membrane proteins by two-dimensional gel electrophoresis. <i>Current Microbiology</i> , 1988, 16, 229-235.	1.0	9
60	Typing <i>Cylindrocladium</i> Species by Analysis of Ribosomal DNA Spacers Polymorphism: Application to Field Isolates from the Banana Rhizosphere. <i>Mycologia</i> , 2001, 93, 494.	0.8	9
61	Pathogenic and Genetic Diversity of Soilborne Isolates of <i>Cylindrocladium</i> from Banana Cropping Systems. <i>European Journal of Plant Pathology</i> , 2004, 110, 139-154.	0.8	9
62	Morphological, physiological and pathogenic variability of small-spore <i>Alternaria</i> sp. causing leaf blight of Solanaceous plants in Algeria. <i>African Journal of Microbiology Research</i> , 2014, 8, 3422-3434.	0.4	9
63	Metabolic Engineering of Flower Color in Ornamental Plants. <i>Journal of Crop Improvement</i> , 2006, 18, 301-324.	0.9	8
64	First Report of Early Blight Caused by <i>Alternaria linariae</i> on Potato in Algeria. <i>Plant Disease</i> , 2018, 102, 2651.	0.7	8
65	First Report of <i>Alternaria dauci</i> Causing Leaf Blight of Coriander ( <i>Coriandrum sativum</i> ) in Algeria. <i>Plant Disease</i> , 2019, 103, 2471-2471.	0.7	8
66	<i>Alternaria telliensis</i> sp. nov., a new species isolated from Solanaceae in Algeria. <i>Phytotaxa</i> , 2020, 440, 89-100.	0.1	8
67	Responses of the Necrotrophic Fungus <i>Alternaria brassicicola</i> to the Indolic Phytoalexin Brassinin. <i>Frontiers in Plant Science</i> , 2020, 11, 611643.	1.7	8
68	Heterologous transformation of <i>Agrocybe aegerita</i> with a bacterial neomycin-resistance gene fused to a fungal promoter-like DNA sequence. <i>Theoretical and Applied Genetics</i> , 1995, 90, 1019-1027.	1.8	7
69	Specific activation of PR-10 pathogenesis-related genes in apple by an incompatible race of <i>Venturia inaequalis</i> . <i>Biologia Plantarum</i> , 2008, 52, 718-722.	1.9	7
70	Characterization of fungal pathogens ( <i>Diaporthe angelicae</i> and <i>D. Âeres</i> ) responsible for umbel browning and stem necrosis on carrot in France. <i>Plant Pathology</i> , 2017, 66, 239-253.	1.2	7
71	First Report of Umbel Browning and Stem Necrosis Caused by <i>Diaporthe angelicae</i> on Carrot in France. <i>Plant Disease</i> , 2014, 98, 421-421.	0.7	7
72	Nucleotide sequence of a tRNA cluster from <i>Mycoplasma pneumoniae</i> . <i>Nucleic Acids Research</i> , 1990, 18, 2814-2814.	6.5	6

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73	Evidence for the presence of two distinct membrane ATPases in <i>Spiroplasma citri</i> . <i>Microbiology (United Kingdom)</i> , 1991, 137, 179-185.	0.7	6
74	Role of membrane compartment occupied by Can1 (MCC) and eisosome subdomains in plant pathogenicity of the necrotrophic fungus <i>Alternaria brassicicola</i> . <i>BMC Microbiology</i> , 2019, 19, 295.	1.3	6
75	Occurrence of Leaf Spot Disease Caused by <i>Alternaria crassa</i> (Sacc.) Rands on Jimson Weed and Potential Additional Host Plants in Algeria. <i>Plant Pathology Journal</i> , 2020, 36, 179-184.	0.7	6
76	Characterization of New Small-Spored <i>Alternaria</i> Species Isolated from Solanaceae in Algeria. <i>Life</i> , 2021, 11, 1291.	1.1	6
77	Protein biosynthesis changes during mycorrhiza formation in roots of micropropagated birch. <i>Acta Botanica Gallica</i> , 1994, 141, 429-435.	0.9	5
78	Effects of the plant growth regulator prohexadione-calcium and the SAR-inducer acibenzolar-S-methyl on the quality of apples at harvest. <i>Journal of Horticultural Science and Biotechnology</i> , 2006, 81, 139-145.	0.9	5
79	Influence of fungal exudates of <i>Alternaria dauci</i> on carrot partial resistance. <i>Acta Horticulturae</i> , 2017, , 231-236.	0.1	4
80	Detection of a Concanavalin A binding protein in the mollicute <i>Spiroplasma citri</i> and purification from the plasma membrane. <i>Archives of Microbiology</i> , 1989, 152, 488-491.	1.0	3
81	Responses to Hydric Stress in the Seed-Borne Necrotrophic Fungus <i>Alternaria brassicicola</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1969.	1.5	3
82	Genetic Diversity of <i>Pseudomonas syringae</i> Pathovars and Related Species Assessed by DNA Heteroduplex Mobility Assay. , 2001, , 128-130.		3
83	Enumeration and characterization of cellulolytic bacteria from refuse of a landfill. , 0, .		3
84	Characterization of <i>Stemphylium</i> spp. associated with tomato foliar diseases in Algeria. <i>Phytopathologia Mediterranea</i> , 2022, 61, 39-53.	0.6	3
85	Differential detection of <i>Mycoplasma pulmonis</i> and <i>Mycoplasma arthritidis</i> with species-specific DNA probes. <i>Diagnostic Microbiology and Infectious Disease</i> , 1992, 15, 411-415.	0.8	2
86	TOWARDS NOVEL FLOWER COLORS IN FORSYTHIA BY GENETIC ENGINEERING. <i>Acta Horticulturae</i> , 2000, , 45-48.	0.1	2
87	Identifying Natural Products (NPs) as potential UPR inhibitors for crop protection. <i>Planta Medica</i> , 2016, 81, S1-S381.	0.7	2
88	Is the host range of <i>Alternaria dauci</i> restricted to carrot?. <i>Acta Horticulturae</i> , 2017, , 183-189.	0.1	1
89	Antifungal activity of lichen extracts and compounds against <i>Alternaria brassicicola</i> . <i>Planta Medica</i> , 2016, 81, S1-S381.	0.7	1
90	In silico analysis of RNA interference components and miRNAs-like RNAs in the seed-borne necrotrophic fungus <i>Alternaria brassicicola</i> . <i>Fungal Biology</i> , 2022, 126, 224-234.	1.1	1