Pierre J De Wit

List of Publications by Year
in descending order

120 papers	14,319 citations	16411 64 h-index	20307 116 g-index
192 all docs	192 docs citations	192 times ranked	8749 citing authors

#	Article	IF	Citations
1	â€œCATAStrophy,â€•a Genome-Informed Trophic Classification of Filamentous Plant Pathogens â€“ How Many Different Types of Filamentous Plant Pathogens Are There?. Frontiers in Microbiology, 2019, 10, 3088.	1.5	41
2	The battle in the apoplast: further insights into the roles of proteases and their inhibitors in plantâ€“pathogen interactions. Frontiers in Plant Science, 2015, 6, 584.	1.7	199
3	Automated alignment-based curation of gene models in filamentous fungi. BMC Bioinformatics, 2014, 15, 19.	1.2	9
4	Phytotoxic secondary metabolites and peptides produced by plant pathogenic<i>Dothideomycete</i>fungi. FEMS Microbiology Reviews, 2013, 37, 67-93.	3.9	164
5	Microbial toxins in the green world. FEMS Microbiology Reviews, 2013, 37, 1-2.	3.9	5
6	Detoxification of Î±â€tomatine by <i><scp>C</scp>ladosporium fulvum</i> is required for full virulence on tomato. New Phytologist, 2013, 198, 1203-1214.	3.5	99
7	The Genomes of the Fungal Plant Pathogens Cladosporium fulvum and Dothistroma septosporum Reveal Adaptation to Different Hosts and Lifestyles But Also Signatures of Common Ancestry. PLoS Genetics, 2012, 8, e1003088.	1.5	226
8	Diverse Lifestyles and Strategies of Plant Pathogenesis Encoded in the Genomes of Eighteen Dothideomycetes Fungi. PLoS Pathogens, 2012, 8, e1003037.	2.1	595
9	Dual disease resistance mediated by the immune receptor Cf-2 in tomato requires a common virulence target of a fungus and a nematode. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10119-10124.	3.3	246
10	Birth of New Spliceosomal Introns in Fungi by Multiplication of Introner-like Elements. Current Biology, 2012, 22, 1260-1265.	1.8	54
11	In Silico Characterization and Molecular Evolutionary Analysis of a Novel Superfamily of Fungal Effector Proteins. Molecular Biology and Evolution, 2012, 29, 3371-3384.	3.5	90
12	EBR1, a Novel Zn₂Cys₆ Transcription Factor, Affects Virulence and Apical Dominance of the Hyphal Tip in <i>Fusarium graminearum</i>. Molecular Plant-Microbe Interactions, 2011, 24, 1407-1418.	1.4	48
13	Affinity of Avr2 for tomato cysteine protease Rcr3 correlates with the Avr2â€triggered Cfâ€2â€mediated hypersensitive response. Molecular Plant Pathology, 2011, 12, 21-30.	2.0	23
14	Horizontal gene and chromosome transfer in plant pathogenic fungi affecting host range. FEMS Microbiology Reviews, 2011, 35, 542-554.	3.9	143
15	Finished Genome of the Fungal Wheat Pathogen Mycosphaerella graminicola Reveals Dispensome Structure, Chromosome Plasticity, and Stealth Pathogenesis. PLoS Genetics, 2011, 7, e1002070.	1.5	532
16	Detection of Mycosphaerella graminicola in Wheat Leaves by a Microsatellite Dinucleotide Specific-Primer. International Journal of Molecular Sciences, 2011, 12, 682-693.	1.8	13
17	Culture collections, the new herbaria for fungal pathogens. Fungal Diversity, 2010, 45, 21-32.	4.7	28
18	Tomato Cf resistance proteins mediate recognition of cognate homologous effectors from fungi pathogenic on dicots and monocots. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7610-7615.	3.3	167

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19	The Diverse Roles of Extracellular Leucine-rich Repeat-containing Receptor-like Proteins in Plants. Critical Reviews in Plant Sciences, 2010, 29, 285-299.	2.7	69
20	Functional Analyses of the CLAVATA2-Like Proteins and Their Domains That Contribute to CLAVATA2 Specificity. Plant Physiology, 2009, 152, 320-331.	2.3	36
21	GÎ± and GÎ² Proteins Regulate the Cyclic AMP Pathway That Is Required for Development and Pathogenicity of the Phytopathogen <i>Mycosphaerella graminicola</i>. Eukaryotic Cell, 2009, 8, 1001-1013.	3.4	45
22	Life of microbes that interact with plants. Microbial Biotechnology, 2009, 2, 412-415.	2.0	11
23	Fungal effector proteins: past, present and future. Molecular Plant Pathology, 2009, 10, 735-747.	2.0	264
24	Fungal Effector Proteins. Annual Review of Phytopathology, 2009, 47, 233-263.	3.5	801
25	Tomato Transcriptional Responses to a Foliar and a Vascular Fungal Pathogen Are Distinct. Molecular Plant-Microbe Interactions, 2009, 22, 245-258.	1.4	61
26	The novel <i>Cladosporium fulvum</i> lysin motif effector Ecp6 is a virulence factor with orthologues in other fungal species. Molecular Microbiology, 2008, 69, 119-136.	1.2	275
27	RD19, an<i>Arabidopsis</i>Cysteine Protease Required for RRS1-Râ€“Mediated Resistance, Is Relocalized to the Nucleus by the<i>Ralstonia solanacearum</i>PopP2 Effector. Plant Cell, 2008, 20, 2252-2264.	3.1	183
28	A Genome-Wide Functional Investigation into the Roles of Receptor-Like Proteins in Arabidopsis Â Â. Plant Physiology, 2008, 147, 503-517.	2.3	266
29	The<i>Cladosporium fulvum</i>Virulence Protein Avr2 Inhibits Host Proteases Required for Basal Defense Â. Plant Cell, 2008, 20, 1948-1963.	3.1	230
30	Transcriptome Analysis of Arbuscular Mycorrhizal Roots during Development of the Prepenetration Apparatus. Plant Physiology, 2007, 144, 1455-1466.	2.3	117
31	The Chitin-Binding <i>Cladosporium fulvum</i> Effector Protein Avr4 Is a Virulence Factor. Molecular Plant-Microbe Interactions, 2007, 20, 1092-1101.	1.4	223
32	Allelic Variation in the Effector Genes of the Tomato Pathogen <i>Cladosporium fulvum</i> Reveals Different Modes of Adaptive Evolution. Molecular Plant-Microbe Interactions, 2007, 20, 1271-1283.	1.4	123
33	Mating-type genes and the genetic structure of a world-wide collection of the tomato pathogen Cladosporium fulvum. Fungal Genetics and Biology, 2007, 44, 415-429.	0.9	39
34	An NB-LRR protein required for HR signalling mediated by both extra- and intracellular resistance proteins. Plant Journal, 2007, 50, 14-28.	2.8	175
35	How plants recognize pathogens and defend themselves. Cellular and Molecular Life Sciences, 2007, 64, 2726-2732.	2.4	197
36	CladosporiumÂfulvumÂCfHNNI1 induces hypersensitive necrosis, defence gene expression and disease resistance in both host and nonhost plants. Plant Molecular Biology, 2007, 64, 89-101.	2.0	20

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37	Nitrogen controls in planta expression of Cladosporium fulvum Avr9 but no other effector genes. Molecular Plant Pathology, 2006, 7, 125-130.	2.0	48
38	Affinity-tags are removed from Cladosporium fulvum effector proteins expressed in the tomato leaf apoplast. Journal of Experimental Botany, 2006, 57, 599-608.	2.4	30
39	Cladosporium fulvum Avr4 Protects Fungal Cell Walls Against Hydrolysis by Plant Chitinases Accumulating During Infection. Molecular Plant-Microbe Interactions, 2006, 19, 1420-1430.	1.4	363
40	cDNA-AFLP Combined with Functional Analysis Reveals Novel Genes Involved in the Hypersensitive Response. Molecular Plant-Microbe Interactions, 2006, 19, 567-576.	1.4	107
41	Receptor-like proteins involved in plant disease resistance. Molecular Plant Pathology, 2005, 6, 85-97.	2.0	111
42	Cladosporium fulvum (syn. Passalora fulva), a highly specialized plant pathogen as a model for functional studies on plant pathogenic Mycosphaerellaceae. Molecular Plant Pathology, 2005, 6, 379-393.	2.0	217
43	The tomato Orion locus comprises a unique class of Hcr9 genes. Molecular Breeding, 2005, 15, 409-422.	1.0	24
44	Structureâ€“Function Analysis of Cf-9, a Receptor-Like Protein with Extracytoplasmic Leucine-Rich Repeatswâƒž. Plant Cell, 2005, 17, 1000-1015.	3.1	112
45	Cladosporium Avr2 Inhibits Tomato Rcr3 Protease Required for Cf-2-Dependent Disease Resistance. Science, 2005, 308, 1783-1786.	6.0	415
46	The Cf-4 and Cf-9 Resistance Genes Against Cladosporium fulvum are Conserved in Wild Tomato Species. Molecular Plant-Microbe Interactions, 2005, 18, 1011-1021.	1.4	46
47	Rearrangements in the Cf-9 Disease Resistance Gene Cluster of Wild Tomato Have Resulted in Three Genes That Mediate Avr9 ResponsivenessSequence data from this article have been deposited with the GenBank Data Libraries under accession no. AY569331.. Genetics, 2004, 168, 1655-1663.	1.2	47
48	Binding of the AVR4 Elicitor of Cladosporium fulvum to Chitotriose Units Is Facilitated by Positive Allosteric Protein-Protein Interactions. Journal of Biological Chemistry, 2004, 279, 16786-16796.	1.6	83
49	Phosphatidic acid accumulation is an early response in theCf-4/Avr4interaction. Plant Journal, 2004, 39, 1-12.	2.8	199
50	Gene shuffling-generated and natural variants of the tomato resistance gene Cf-9 exhibit different auto-necrosis-inducing activities in Nicotiana species. Plant Journal, 2004, 40, 942-956.	2.8	38
51	Recognition of Cladosporium fulvum Ecp2 elicitor by non-host Nicotiana spp. is mediated by a single dominant gene that is not homologous to known Cf-genes. Molecular Plant Pathology, 2004, 5, 397-408.	2.0	13
52	Cladosporium fulvum circumvents the second functional resistance gene homologue at the Cf-4 locus (Hcr9-4E) by secretion of a stable avr4E isoform. Molecular Microbiology, 2004, 54, 533-545.	1.2	98
53	Promoter analysis of the avirulence gene Avr9 of the fungal tomato pathogen Cladosporium fulvum in the model filamentous fungus Aspergillus nidulans. Current Genetics, 2003, 43, 96-102.	0.8	12
54	Oomycetes and fungi: similar weaponry to attack plants. Trends in Microbiology, 2003, 11, 462-469.	3.5	287

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55	Natural Disulfide Bond-disrupted Mutants of AVR4 of the Tomato Pathogen Cladosporium fulvum Are Sensitive to Proteolysis, Circumvent Cf-4-mediated Resistance, but Retain Their Chitin Binding Ability. Journal of Biological Chemistry, 2003, 278, 27340-27346.	1.6	102
56	Attenuation of Cf-Mediated Defense Responses at Elevated Temperatures Correlates With a Decrease in Elicitor-Binding Sites. Molecular Plant-Microbe Interactions, 2002, 15, 1040-1049.	1.4	75
57	The AVR4 Elicitor Protein of Cladosporium fulvum Binds to Fungal Components with High Affinity. Molecular Plant-Microbe Interactions, 2002, 15, 1219-1227.	1.4	21
58	Balancing selection favors guarding resistance proteins. Trends in Plant Science, 2002, 7, 67-71.	4.3	154
59	Cladosporium fulvum overcomes Cf-2-mediated resistance by producing truncated AVR2 elicitor proteins. Molecular Microbiology, 2002, 45, 875-884.	1.2	153
60	Functional analysis of cysteine residues of ECP elicitor proteins of the fungal tomato pathogen Cladosporium fulvum. Molecular Plant Pathology, 2002, 3, 91-95.	2.0	37
61	On guard. Nature, 2002, 416, 802-803.	13.7	9
62	The molecular basis of co-evolution between Cladosporium fulvum and tomato. Antonie Van Leeuwenhoek, 2002, 81, 409-412.	0.7	22
63	Disulfide Bond Structure of the AVR9 Elicitor of the Fungal Tomato PathogenCladosporium fulvum:Â Evidence for a Cystine Knotâ€. Biochemistry, 2001, 40, 3458-3466.	1.2	75
64	Expression of the Avirulence Gene Avr9 of the Fungal Tomato Pathogen Cladosporium fulvum Is Regulated by the Global Nitrogen Response Factor NRF1. Molecular Plant-Microbe Interactions, 2001, 14, 316-325.	1.4	71
65	The C-terminal Dilysine Motif for Targeting to the Endoplasmic Reticulum Is Not Required for Cf-9 Function. Molecular Plant-Microbe Interactions, 2001, 14, 412-415.	1.4	24
66	No Evidence for Binding Between Resistance Gene Product Cf-9 of Tomato and Avirulence Gene Product AVR9 of Cladosporium fulvum. Molecular Plant-Microbe Interactions, 2001, 14, 867-876.	1.4	78
67	Specific recognition of AVR4 and AVR9 results in distinct patterns of hypersensitive cell death in tomato, but similar patterns of defence-related gene expression. Molecular Plant Pathology, 2001, 2, 77-86.	2.0	32
68	Efficient 13C/15N double labeling of the avirulence protein AVR4 in a methanol-utilizing strain (Mut+) of Pichia pastoris. Journal of Biomolecular NMR, 2001, 20, 251-261.	1.6	34
69	Intragenic recombination generated two distinct Cf genes that mediate AVR9 recognition in the natural population of Lycopersicon pimpinellifolium. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 10493-10498.	3.3	76
70	Identification of Distinct Specificity Determinants in Resistance Protein Cf-4 Allows Construction of a Cf-9 Mutant That Confers Recognition of Avirulence Protein AVR4. Plant Cell, 2001, 13, 273-285.	3.1	98
71	Specific HR-associated recognition of secreted proteins from Cladosporium fulvum occurs in both host and non-host plants. Plant Journal, 2000, 23, 735-745.	2.8	113
72	A functional cloning strategy, based on a binary PVX-expression vector, to isolate HR-inducing cDNAs of plant pathogens. Plant Journal, 2000, 24, 275-283.	2.8	130

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73	Title is missing!. European Journal of Plant Pathology, 2000, 106, 493-506.	0.8	227
74	Mapping strategy for resistance genes against Cladosporium fulvum on the short arm of Chromosome 1 of tomato: Cf-ECP5 near the Hcr9 Milky Way cluster. Theoretical and Applied Genetics, 2000, 101, 661-668.	1.8	30
75	Molecular Cloning and Partial Characterization of a Plant VAP33 Homologue with a Major Sperm Protein Domain. Biochemical and Biophysical Research Communications, 2000, 270, 286-292.	1.0	44
76	Early defence responses induced by AVR9 and mutant analogues in tobacco cell suspensions expressing the Cf-9 resistance gene. Physiological and Molecular Plant Pathology, 2000, 56, 169-177.	1.3	25
77	Agroinfiltration Is a Versatile Tool That Facilitates Comparative Analyses of Avr9/Cf-9-Induced and Avr4/Cf-4-Induced Necrosis. Molecular Plant-Microbe Interactions, 2000, 13, 439-446.	1.4	328
78	Folding and conformational analysis of AVR9 peptide elicitors of the fungal tomato pathogen Cladosporium fulvum. FEBS Journal, 1999, 264, 9-18.	0.2	16
79	Transcription of the avirulence gene Avr9 of the fungal tomato pathogen Cladosporium fulvum is regulated by a GATA-type transcription factor in Aspergillus nidulans. Molecular Genetics and Genomics, 1999, 261, 653-659.	2.4	24
80	The Cf-ECP2 gene is linked to, but not part of, the Cf-4/Cf-9 cluster on the short arm of chromosome 1 in tomato. Molecular Genetics and Genomics, 1999, 262, 839-845.	2.4	41
81	THETOMATOâ€"CLADOSPORIUMFULVUMINTERACTION: A Versatile Experimental System to Study Plant-Pathogen Interactions. Annual Review of Phytopathology, 1999, 37, 335-367.	3.5	208
82	Avirulence and resistance genes in the Cladosporium fulvumâ€"tomato interaction. Current Opinion in Microbiology, 1999, 2, 368-373.	2.3	27
83	The Fungal Gene Avr9 and the Oomycete Gene inf1 Confer Avirulence to Potato Virus X on Tobacco. Molecular Plant-Microbe Interactions, 1999, 12, 459-462.	1.4	44
84	Activation of the Promoter of the Tnt1 Retrotransposon in Tomato After Inoculation with the Fungal Pathogen Cladosporium fulvum. Molecular Plant-Microbe Interactions, 1999, 12, 592-603.	1.4	20
85	Fungal Avirulence Genes: Structure and Possible Functions. Fungal Genetics and Biology, 1998, 24, 285-297.	0.9	129
86	Additional Resistance Gene(s) Against Cladosporium fulvum Present on the Cf-9 Introgression Segment Are Associated with Strong PR Protein Accumulation. Molecular Plant-Microbe Interactions, 1998, 11, 301-308.	1.4	41
87	Correlation between Binding Affinity and Necrosis-Inducing Activity of Mutant AVR9 Peptide Elicitors1. Plant Physiology, 1998, 117, 609-618.	2.3	54
88	Successful search for a resistance gene in tomato targeted against a virulence factor of a fungal pathogen. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 9014-9018.	3.3	125
89	The Biotrophic Fungus Cladosporium fulvum Circumvents Cf-4-Mediated Resistance by Producing Unstable AVR4 Elicitors. Plant Cell, 1997, 9, 367.	3.1	2
90	The biotrophic fungus Cladosporium fulvum circumvents Cf-4-mediated resistance by producing unstable AVR4 elicitors.. Plant Cell, 1997, 9, 367-379.	3.1	161

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91	The In Planta-Produced Extracellular Proteins ECP1 and ECP2 of Cladosporium fulvum Are Virulence Factors. Molecular Plant-Microbe Interactions, 1997, 10, 725-734.	1.4	112
92	Assignment of Amino Acid Residues of the AVR9 Peptide of Cladosporium fulvum That Determine Elicitor Activity. Molecular Plant-Microbe Interactions, 1997, 10, 821-829.	1.4	55
93	Pathogen avirulence and plant resistance: a key role for recognition. Trends in Plant Science, 1997, 2, 452-458.	4.3	135
94	The race-specific elicitor AVR9 of the tomato pathogen Cladosporium fulvum : a cystine knot protein. FEBS Letters, 1997, 404, 153-158.	1.3	73
95	Molecular and biochemical basis of the interaction between tomato and its fungal pathogen Cladosporium fulvum. Antonie Van Leeuwenhoek, 1997, 71, 137-141.	0.7	19
96	Differential induction of chitinase and 1,3- Î²-glucanase gene expression in tomato byCladosporium fulvumand its race-specific elicitors. Physiological and Molecular Plant Pathology, 1996, 48, 105-116.	1.3	48
97	Unraveling the gene-for-gene hypothesis and its relevance to phytopathology. Phytoparasitica, 1996, 24, 183-187.	0.6	0
98	A High-Affinity Binding Site for the AVR9 Peptide Elicitor of Cladosporium fulvum Is Present on Plasma Membranes of Tomato and Other Solanaceous Plants. Plant Cell, 1996, 8, 929.	3.1	28
99	Production of the AVR9 elicitor from the fungal pathogen Cladosporium fulvum in transgenic tobacco and tomato plants. Plant Molecular Biology, 1995, 29, 909-920.	2.0	39
100	Induction of tomato stress protein mRNAs by ethephon, 2,6-dichloroisonicotinic acid and salicylate. Plant Molecular Biology, 1995, 27, 1205-1213.	2.0	76
101	Fungal Avirulence Genes and Plant Resistance Genes: Unraveling the Molecular Basis of Gene-for-gene Interactions. Advances in Botanical Research, 1995, 21, 147-185.	0.5	43
102	The phytopathogenic fungus Cladosporium fulvum is not sensitive to the chitinase and Î²-1,3-glucanase defence proteins of its host, tomato. Physiological and Molecular Plant Pathology, 1995, 46, 45-59.	1.3	56
103	Cf9 and Avr9, two major players in the gene-for-gene game. Trends in Microbiology, 1995, 3, 251-252.	3.5	13
104	Nitrogen limitation induces expression of the avirulence gene avr9 in the tomato pathogen Cladosporium fulvum. Molecular Genetics and Genomics, 1994, 243, 277-285.	2.4	140
105	Host resistance to a fungal tomato pathogen lost by a single base-pair change in an avirulence gene. Nature, 1994, 367, 384-386.	13.7	406
106	Expression and Localization of Twoin PlantaInduced Extracellular Proteins of the Fungal Tomato PathogenCladosporium fulvum. Molecular Plant-Microbe Interactions, 1994, 7, 516.	1.4	48
107	Molecular characterization of four chitinase cDNAs obtained fromCladosporium fulvum-infected tomato. Plant Molecular Biology, 1993, 22, 1017-1029.	2.0	107
108	Molecular Characterization of Gene-For-Gene Systems in Plant-Fungus Interactions and the Application of Avirulence Genes in Control of Plant Pathogens. Annual Review of Phytopathology, 1992, 30, 391-418.	3.5	275

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109	Subcellular localization of plant chitinases and 1,3-Î²-glucanases in Cladosporium fulvum (syn. Fulvia) Tj ETQq1 1 0.784314 rgBT /Overlo	1.3	54
110	Differential accumulation of mRNAs encoding extracellular and intracellular PR proteins in tomato induced by virulent and avirulent races of Cladosporium fulvum. Plant Molecular Biology, 1992, 20, 513-527.	2.0	211
111	Cloning and Characterization of cDNA of Avirulence Gene<i>avr9</i>of the Fungal Pathogen<i>Cladosporium fulvum</i>, Causal Agent of Tomato Leaf Mold. Molecular Plant-Microbe Interactions, 1991, 4, 52.	1.4	305
112	Purification and Serological Characterization of Three Basic 15-Kilodalton Pathogenesis-Related Proteins from Tomato. Plant Physiology, 1990, 94, 585-591.	2.3	56
113	Subcellular Localization of Chitinase and of Its Potential Substrate in Tomato Root Tissues Infected by <i>Fusarium oxysporum</i> f. sp. <i>radicis-lycopersici</i>. Plant Physiology, 1990, 92, 1108-1120.	2.3	139
114	Identification of Several Pathogenesis-Related Proteins in Tomato Leaves Inoculated with <i>Cladosporium fulvum</i> (syn. <i>Fulvia fulva</i>) as 1,3-Î²-Glucanases and Chitinases. Plant Physiology, 1989, 89, 945-951.	2.3	245
115	Purification and primary structure of a necrosis-inducing peptide from the apoplastic fluids of tomato infected with Cladosporium fulvum (syn. Fulvia fulva). Physiological and Molecular Plant Pathology, 1988, 33, 59-67.	1.3	113
116	Accumulation of the pathogenesis-related tomato leaf protein P14 as an early indicator of incompatibility in the interaction between Cladosporium fulvum (Syn. Fulvia fulva) and tomato. Physiological and Molecular Plant Pathology, 1986, 28, 203-214.	1.3	50
117	The occurrence of host-, pathogen- and interaction-specific proteins in the apoplast of Cladosporium fulvum (syn. Fulvia fulva) infected tomato leaves. Physiological and Molecular Plant Pathology, 1986, 29, 159-172.	1.3	57
118	Isolation and Characterization of an Elicitor of Necrosis Isolated from Intercellular Fluids of Compatible Interactions of <i>Cladosporium fulvum</i> (Syn. <i>Fulvia fulva</i>) and Tomato. Plant Physiology, 1985, 77, 642-647.	2.3	118
119	Evidence for the occurrence of race and cultivar-specific elicitors of necrosis in intercellular fluids of compatible interactions of Cladosporium fulvum and tomato. Physiological Plant Pathology, 1982, 21, 1-11.	1.4	281
120	Differential accumulation of phytoalexins in tomato leaves but not in fruits after inoculation with virulent and avirulent races of Cladosporium fulvum. Physiological Plant Pathology, 1979, 15, 257-267.	1.4	66