Jan A L Van Kan

List of Publications by Year
in descending order

103 papers	14,662 citations	38660 50 h-index	34900 98 g-index
107 all docs	107 docs citations	107 times ranked	11015 citing authors

#	Article	IF	Citations
1	Cytotoxic activity of Nep1â€like proteins on monocots. New Phytologist, 2022, 235, 690-700.	3.5	9
2	Bitter and sweet make tomato hard to (b)eat. New Phytologist, 2021, 230, 90-100.	3.5	29
3	Peeling the Onion: Towards a Better Understanding of <i>Botrytis</i> Diseases of Onion. Phytopathology, 2021, 111, 464-473.	1.1	11
4	Red light imaging for programmed cell death visualization and quantification in plantâ€“pathogen interactions. Molecular Plant Pathology, 2021, 22, 361-372.	2.0	21
5	Visualization of Three Sclerotiniaceae Species Pathogenic on Onion Reveals Distinct Biology and Infection Strategies. International Journal of Molecular Sciences, 2021, 22, 1865.	1.8	5
6	Deciphering the Monilinia fructicola Genome to Discover Effector Genes Possibly Involved in Virulence. Genes, 2021, 12, 568.	1.0	23
7	A Major Effect Gene Controlling Development and Pathogenicity in Botrytis cinerea Identified Through Genetic Analysis of Natural Mycelial Non-pathogenic Isolates. Frontiers in Plant Science, 2021, 12, 663870.	1.7	3
8	Comparative Genomics Used to Predict Virulence Factors and Metabolic Genes among Monilinia Species. Journal of Fungi (Basel, Switzerland), 2021, 7, 464.	1.5	11
9	Fire Blight Susceptibility in Lilium spp. Correlates to Sensitivity to Botrytis elliptica Secreted Cell Death Inducing Compounds. Frontiers in Plant Science, 2021, 12, 660337.	1.7	5
10	Distinct immune sensor systems for fungal endopolygalacturonases in closely related Brassicaceae. Nature Plants, 2021, 7, 1254-1263.	4.7	40
11	Dynamics in Secondary Metabolite Gene Clusters in Otherwise Highly Syntenic and Stable Genomes in the Fungal Genus<i>Botrytis</i>. Genome Biology and Evolution, 2020, 12, 2491-2507.	1.1	22
12	Comparative genomics of plant pathogenic Botrytis species with distinct host specificity. BMC Genomics, 2019, 20, 203.	1.2	53
13	Grey mould of strawberry, a devastating disease caused by the ubiquitous necrotrophic fungal pathogen <i>Botrytis cinerea</i>. Molecular Plant Pathology, 2019, 20, 877-892.	2.0	222
14	Comparing Arabidopsis receptor kinase and receptor proteinâ€mediated immune signaling reveals BIK1â€dependent differences. New Phytologist, 2019, 221, 2080-2095.	3.5	73
15	Functional Analysis of Mating Type Genes and Transcriptome Analysis during Fruiting Body Development of <i>Botrytis cinerea</i>. MBio, 2018, 9, .	1.8	40
16	Many Shades of Grey in Botrytisâ€“Host Plant Interactions. Trends in Plant Science, 2018, 23, 613-622.	4.3	172
17	The obligate alkalophilic sodaâ€lake fungus Sodiomyces alkalinus has shifted to a protein diet. Molecular Ecology, 2018, 27, 4808-4819.	2.0	20
18	A gapless genome sequence of the fungus <i>Botrytis cinerea</i>. Molecular Plant Pathology, 2017, 18, 75-89.	2.0	265

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19	Experimental evolution to increase the efficacy of the entomopathogenic fungus <i>Beauveria bassiana</i> against malaria mosquitoes: Effects on mycelial growth and virulence. Evolutionary Applications, 2017, 10, 433-443.	1.5	22
20	The Complete Genome Sequence of the Phytopathogenic Fungus Sclerotinia sclerotiorum Reveals Insights into the Genome Architecture of Broad Host Range Pathogens. Genome Biology and Evolution, 2017, 9, 593-618.	1.1	187
21	BcSUN1, a B. cinerea SUN-Family Protein, Is Involved in Virulence. Frontiers in Microbiology, 2017, 8, 35.	1.5	18
22	Silencing of DND1 in potato and tomato impedes conidial germination, attachment and hyphal growth of Botrytis cinerea. BMC Plant Biology, 2017, 17, 235.	1.6	20
23	Bcmimp1, a Botrytis cinerea Gene Transiently Expressed in planta, Encodes a Mitochondrial Protein. Frontiers in Microbiology, 2016, 7, 213.	1.5	3
24	Analysis of Cryptic, Systemic Botrytis Infections in Symptomless Hosts. Frontiers in Plant Science, 2016, 7, 625.	1.7	51
25	Comparative genomics of Beauveria bassiana: uncovering signatures of virulence against mosquitoes. BMC Genomics, 2016, 17, 986.	1.2	38
26	A novel <scp>Z</scp>n₂<scp>C</scp>ys₆ transcription factor <scp>B</scp>c<scp>G</scp>aa<scp>R</scp> regulates <scp>D</scp>â€galacturonic acid utilization in <scp><i>B</i></scp><i>otrytis cinerea</i>. Molecular Microbiology, 2016, 100, 247-262.	1.2	31
27	RNA â€˜Information Warfareâ€™ in Pathogenic and Mutualistic Interactions. Trends in Plant Science, 2016, 21, 738-748.	4.3	42
28	The transcriptional activator GaaR of <i>AspergillusÂniger</i> is required for release and utilization of <scp>dâ€</scp>galacturonic acid from pectin. FEBS Letters, 2016, 590, 1804-1815.	1.3	64
29	Genes involved in virulence of the entomopathogenic fungus Beauveria bassiana. Journal of Invertebrate Pathology, 2016, 133, 41-49.	1.5	101
30	Mind the gap; seven reasons to close fragmented genome assemblies. Fungal Genetics and Biology, 2016, 90, 24-30.	0.9	108
31	Mating type and sexual fruiting body of Botrytis elliptica, the causal agent of fire blight in lily. European Journal of Plant Pathology, 2015, 142, 615-624.	0.8	9
32	A Novel Botrytis Species Is Associated with a Newly Emergent Foliar Disease in Cultivated Hemerocallis. PLoS ONE, 2014, 9, e89272.	1.1	35
33	Fungal Endopolygalacturonases Are Recognized as Microbe-Associated Molecular Patterns by the Arabidopsis Receptor-Like Protein RESPONSIVENESS TO BOTRYTIS POLYGALACTURONASES1 Â. Plant Physiology, 2014, 164, 352-364.	2.3	249
34	Extensive Expansion of A1 Family Aspartic Proteinases in Fungi Revealed by Evolutionary Analyses of 107 Complete Eukaryotic Proteomes. Genome Biology and Evolution, 2014, 6, 1480-1494.	1.1	17
35	Natural variation in virulence of the entomopathogenic fungus Beauveria bassiana against malaria mosquitoes. Malaria Journal, 2014, 13, 479.	0.8	43
36	Genome-wide analysis of pectate-induced gene expression in Botrytis cinerea : Identification and functional analysis of putative d -galacturonate transporters. Fungal Genetics and Biology, 2014, 72, 182-191.	0.9	30

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37	<i>Botrytis</i> species: relentless necrotrophic thugs or endophytes gone rogue?. Molecular Plant Pathology, 2014, 15, 957-961.	2.0	116
38	One stop shop: backbones trees for important phytopathogenic genera: I (2014). Fungal Diversity, 2014, 67, 21-125.	4.7	241
39	Functional analysis of hydrophobin genes in sexual development of Botrytis cinerea. Fungal Genetics and Biology, 2014, 71, 42-51.	0.9	21
40	The Endo-Arabinanase BcAra1 Is a Novel Host-Specific Virulence Factor of the Necrotic Fungal Phytopathogen <i>Botrytis cinerea</i>. Molecular Plant-Microbe Interactions, 2014, 27, 781-792.	1.4	44
41	The Genome of Botrytis cinerea, a Ubiquitous Broad Host Range Necrotroph. , 2014, , 19-44.		21
42	Repeated loss of an anciently horizontally transferred gene cluster in <i>Botrytis</i>. Mycologia, 2013, 105, 1126-1134.	0.8	39
43	14 Pectin as a Barrier and Nutrient Source for Fungal Plant Pathogens. , 2013, , 361-375.		11
44	Aspartic Acid Protease from Botrytis cinerea Removes Haze-Forming Proteins during White Winemaking. Journal of Agricultural and Food Chemistry, 2013, 61, 130925134142009.	2.4	33
45	<i><scp>B</scp>otrytis cinerea</i> mutants deficient in <scp>d</scp>â€galacturonic acid catabolism have a perturbed virulence on <i><scp>N</scp>icotiana benthamiana</i> and <i><scp>A</scp>rabidopsis</i>, but not on tomato. Molecular Plant Pathology, 2013, 14, 19-29.	2.0	43
46	The NADPH Oxidase Complexes in Botrytis cinerea: Evidence for a Close Association with the ER and the Tetraspanin Pls1. PLoS ONE, 2013, 8, e55879.	1.1	75
47	Genome Update of Botrytis cinerea Strains B05.10 and T4. Eukaryotic Cell, 2012, 11, 1413-1414.	3.4	124
48	PRP8 inteins in species of the genus Botrytis and other ascomycetes. Fungal Genetics and Biology, 2012, 49, 250-261.	0.9	7
49	The Top 10 fungal pathogens in molecular plant pathology. Molecular Plant Pathology, 2012, 13, 414-430.	2.0	3,270
50	The Top 10 fungal pathogens in molecular plant pathology. Molecular Plant Pathology, 2012, 13, 804-804.	2.0	72
51	The Top 10 fungal pathogens in molecular plant pathology. Molecular Plant Pathology, 2012, , no-no.	2.0	22
52	Genomic Analysis of the Necrotrophic Fungal Pathogens Sclerotinia sclerotiorum and Botrytis cinerea. PLoS Genetics, 2011, 7, e1002230.	1.5	902
53	The d-galacturonic acid catabolic pathway in Botrytis cinerea. Fungal Genetics and Biology, 2011, 48, 990-997.	0.9	70
54	The <i>FRP1</i> Fâ€box gene has different functions in sexuality, pathogenicity and metabolism in three fungal pathogens. Molecular Plant Pathology, 2011, 12, 548-563.	2.0	22

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55	The aspartic proteinase family of three Phytophthora species. BMC Genomics, 2011, 12, 254.	1.2	19
56	Inadvertent gene silencing of argininosuccinate synthase (<i>bcass1</i>) in <i>Botrytis cinerea</i> by the pLOB1 vector system. Molecular Plant Pathology, 2010, 11, 613-624.	2.0	18
57	The Botrytis cinerea aspartic proteinase family. Fungal Genetics and Biology, 2010, 47, 53-65.	0.9	101
58	Sexual mating of Botrytis cinerea illustrates PRP8 intein HEG activity. Fungal Genetics and Biology, 2010, 47, 392-398.	0.9	13
59	Functional analysis and mode of action of phytotoxic Nep1-like proteins of Botrytis cinerea. Physiological and Molecular Plant Pathology, 2010, 74, 376-386.	1.3	68
60	Quantitative resistance to Botrytis cinerea from Solanum neorickii. Euphytica, 2008, 159, 83-92.	0.6	27
61	Phytotoxic Nep1â€like proteins from the necrotrophic fungus <i>Botrytis cinerea</i> associate with membranes and the nucleus of plant cells. New Phytologist, 2008, 177, 493-505.	3.5	136
62	NADPH Oxidases Are Involved in Differentiation and Pathogenicity in <i>Botrytis cinerea</i>. Molecular Plant-Microbe Interactions, 2008, 21, 808-819.	1.4	240
63	The pOT and pLOB vector systems: Improving ease of transgene expression in Botrytis cinerea. Journal of General and Applied Microbiology, 2008, 54, 367-376.	0.4	22
64	Oxaloacetate Hydrolase, the Câ€"C Bond Lyase of Oxalate Secreting Fungi. Journal of Biological Chemistry, 2007, 282, 9581-9590.	1.6	102
65	A Polygalacturonase-Inhibiting Protein from Grapevine Reduces the Symptoms of the Endopolygalacturonase BcPG2 from Botrytis cinerea in Nicotiana benthamiana Leaves Without Any Evidence for In Vitro Interaction. Molecular Plant-Microbe Interactions, 2007, 20, 392-402.	1.4	60
66	Positive selection in phytotoxic protein-encoding genes of Botrytis species. Fungal Genetics and Biology, 2007, 44, 52-63.	0.9	104
67	Extracellular Enzymes and Metabolites Involved in Pathogenesis of Botrytis. , 2007, , 99-118.		29
68	Partial stem and leaf resistance against the fungal pathogen Botrytis cinerea in wild relatives of tomato. European Journal of Plant Pathology, 2007, 117, 153-166.	0.8	32
69	Plant Defence Compounds Against Botrytis Infection. , 2007, , 143-161.		31
70	Histochemical and genetic analysis of host and non-host interactions of Arabidopsis with three Botrytis species: an important role for cell death control. Molecular Plant Pathology, 2007, 8, 41-54.	2.0	164
71	Functional analysis of NLP genes from Botrytis elliptica. Molecular Plant Pathology, 2007, 8, 209-214.	2.0	53
72	<i>Botrytis cinerea</i>: the cause of grey mould disease. Molecular Plant Pathology, 2007, 8, 561-580.	2.0	1,345

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73	Three QTLs for Botrytis cinerea resistance in tomato. Theoretical and Applied Genetics, 2007, 114, 585-593.	1.8	50
74	The construction of a Solanum habrochaites LYC4 introgression line population and the identification of QTLs for resistance to Botrytis cinerea. Theoretical and Applied Genetics, 2007, 114, 1071-1080.	1.8	72
75	AFLP analysis of genetic diversity in populations of Botrytis elliptica and Botrytis tulipae from the Netherlands. European Journal of Plant Pathology, 2007, 117, 219-235.	0.8	14
76	Licensed to kill: the lifestyle of a necrotrophic plant pathogen. Trends in Plant Science, 2006, 11, 247-253.	4.3	627
77	Necrotizing activity of five Botrytis cinerea endopolygalacturonases produced in Pichia pastoris. Plant Journal, 2005, 43, 213-225.	2.8	255
78	Functional analysis of Botrytis cinerea pectin methylesterase genes by PCR-based targeted mutagenesis: Bcpme1 and Bcpme2 are dispensable for virulence of strain B05.10. Molecular Plant Pathology, 2005, 6, 641-652.	2.0	86
79	Molecular Phylogeny of the Plant Pathogenic Genus Botrytis and the Evolution of Host Specificity. Molecular Biology and Evolution, 2004, 22, 333-346.	3.5	345
80	Induction of programmed cell death in lily by the fungal pathogen Botrytis elliptica. Molecular Plant Pathology, 2004, 5, 559-574.	2.0	100
81	Simultaneous silencing of multiple genes in the apple scab fungus, Venturia inaequalis, by expression of RNA with chimeric inverted repeats. Fungal Genetics and Biology, 2004, 41, 963-971.	0.9	115
82	An aspartic proteinase gene family in the filamentous fungus Botrytis cinerea contains members with novel features. Microbiology (United Kingdom), 2004, 150, 2475-2489.	0.7	72
83	The Role of Ethylene and Wound Signaling in Resistance of Tomato to Botrytis cinerea. Plant Physiology, 2002, 129, 1341-1351.	2.3	301
84	Resveratrol acts as a natural profungicide and induces self-intoxication by a specific laccase. Molecular Microbiology, 2002, 43, 883-894.	1.2	151
85	Functional analysis of an extracellular catalase of Botrytis cinerea. Molecular Plant Pathology, 2002, 3, 227-238.	2.0	114
86	The Contribution of Cell Wall Degrading Enzymes to Pathogenesis of Fungal Plant Pathogens. , 2002, , 341-358.		68
87	Botrytis cinerea Endopolygalacturonase Genes Are Differentially Expressed in Various Plant Tissues. Fungal Genetics and Biology, 2001, 33, 97-105.	0.9	129
88	Cloning and characterization of a glutathione S-transferase homologue from the plant pathogenic fungus Botrytis cinerea â€¡. Molecular Plant Pathology, 2000, 1, 169-178.	2.0	38
89	Structure and Expression In planta of Botrytis cinerea Ubiquitin Genes. European Journal of Plant Pathology, 2000, 106, 693-698.	0.8	7
90	Regulation of endopolygalacturonase gene expression in Botrytis cinerea by galacturonic acid, ambient pH and carbon catabolite repression. Current Genetics, 2000, 37, 152-157.	0.8	131

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91	Transgenic Expression of Pear PGIP in Tomato Limits Fungal Colonization. Molecular Plant-Microbe Interactions, 2000, 13, 942-950.	1.4	228
92	Fungal and plant gene expression during synchronized infection of tomato leaves by Botrytis cinerea. European Journal of Plant Pathology, 1998, 104, 207-220.	0.8	170
93	The Endopolygalacturonase Gene Bcpg1 Is Required for Full Virulence of Botrytis cinerea. Molecular Plant-Microbe Interactions, 1998, 11, 1009-1016.	1.4	513
94	Application of differential display RT-PCR to the analysis of gene expression in a plant-fungus interaction. Plant Molecular Biology, 1996, 32, 947-957.	2.0	65
95	Induction of tomato stress protein mRNAs by ethephon, 2,6-dichloroisonicotinic acid and salicylate. Plant Molecular Biology, 1995, 27, 1205-1213.	2.0	76
96	Molecular characterization of four chitinase cDNAs obtained fromCladosporium fulvum-infected tomato. Plant Molecular Biology, 1993, 22, 1017-1029.	2.0	107
97	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
98	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
99	Molecular analysis of the avirulence gene avr9 of the fungal tomato pathogen Cladosporium fulvum fully supports the gene-for-gene hypothesis.. Plant Journal, 1992, 2, 359-366.	2.8	233
100	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
101	A Virus-Inducible Tobacco Gene Encoding a Glycine-Rich Protein Shares Putative Regulatory Elements with the Ribulose Bisphosphate Carboxylase Small Subunit Gene. Molecular Plant-Microbe Interactions, 1988, 1, 107.	1.4	50
102	Structure of tobacco genes encoding pathogenesis-related proteins from the PR-1 group. Nucleic Acids Research, 1987, 15, 6799-6811.	6.5	137
103	Necrotrophic Fungi: Live and Let Die. , 0, , 645-659.		0