

Jan A L Van Kan

List of Publications by Year in descending order

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103
papers

14,662
citations

38742

50
h-index

34986

98
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107
all docs

107
docs citations

107
times ranked

11015
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytotoxic activity of Nep1-like proteins on monocots. <i>New Phytologist</i> , 2022, 235, 690-700.	7.3	9
2	Bitter and sweet make tomato hard to (b)eat. <i>New Phytologist</i> , 2021, 230, 90-100.	7.3	29
3	Peeling the Onion: Towards a Better Understanding of <i>Botrytis</i> Diseases of Onion. <i>Phytopathology</i> , 2021, 111, 464-473.	2.2	11
4	Red light imaging for programmed cell death visualization and quantification in plant-pathogen interactions. <i>Molecular Plant Pathology</i> , 2021, 22, 361-372.	4.2	21
5	Visualization of Three Sclerotiniaceae Species Pathogenic on Onion Reveals Distinct Biology and Infection Strategies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1865.	4.1	5
6	Deciphering the <i>Monilinia fructicola</i> Genome to Discover Effector Genes Possibly Involved in Virulence. <i>Genes</i> , 2021, 12, 568.	2.4	23
7	A Major Effect Gene Controlling Development and Pathogenicity in <i>Botrytis cinerea</i> Identified Through Genetic Analysis of Natural Mycelial Non-pathogenic Isolates. <i>Frontiers in Plant Science</i> , 2021, 12, 663870.	3.6	3
8	Comparative Genomics Used to Predict Virulence Factors and Metabolic Genes among <i>Monilinia</i> Species. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 464.	3.5	11
9	Fire Blight Susceptibility in <i>Lilium</i> spp. Correlates to Sensitivity to <i>Botrytis elliptica</i> Secreted Cell Death Inducing Compounds. <i>Frontiers in Plant Science</i> , 2021, 12, 660337.	3.6	5
10	Distinct immune sensor systems for fungal endopolygalacturonases in closely related Brassicaceae. <i>Nature Plants</i> , 2021, 7, 1254-1263.	9.3	40
11	Dynamics in Secondary Metabolite Gene Clusters in Otherwise Highly Syntenic and Stable Genomes in the Fungal Genus <i>Botrytis</i> . <i>Genome Biology and Evolution</i> , 2020, 12, 2491-2507.	2.5	22
12	Comparative genomics of plant pathogenic <i>Botrytis</i> species with distinct host specificity. <i>BMC Genomics</i> , 2019, 20, 203.	2.8	53
13	Grey mould of strawberry, a devastating disease caused by the ubiquitous necrotrophic fungal pathogen <i>Botrytis cinerea</i> . <i>Molecular Plant Pathology</i> , 2019, 20, 877-892.	4.2	222
14	Comparing Arabidopsis receptor kinase and receptor protein-mediated immune signaling reveals BIK1-dependent differences. <i>New Phytologist</i> , 2019, 221, 2080-2095.	7.3	73
15	Functional Analysis of Mating Type Genes and Transcriptome Analysis during Fruiting Body Development of <i>Botrytis cinerea</i> . <i>MBio</i> , 2018, 9, .	4.1	40
16	Many Shades of Grey in <i>Botrytis</i> -Host Plant Interactions. <i>Trends in Plant Science</i> , 2018, 23, 613-622.	8.8	172
17	The obligate alkalophilic soda-lake fungus <i>Sodiomyces alkalinus</i> has shifted to a protein diet. <i>Molecular Ecology</i> , 2018, 27, 4808-4819.	3.9	20
18	A gapless genome sequence of the fungus <i>Botrytis cinerea</i> . <i>Molecular Plant Pathology</i> , 2017, 18, 75-89.	4.2	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. <i>Evolutionary Applications</i> , 2017, 10, 433-443.	3.1	22
20	The Complete Genome Sequence of the Phytopathogenic Fungus <i>Sclerotinia sclerotiorum</i> Reveals Insights into the Genome Architecture of Broad Host Range Pathogens. <i>Genome Biology and Evolution</i> , 2017, 9, 593-618.	2.5	187
21	BcSUN1, a <i>B. cinerea</i> SUN-Family Protein, Is Involved in Virulence. <i>Frontiers in Microbiology</i> , 2017, 8, 35.	3.5	18
22	Silencing of DND1 in potato and tomato impedes conidial germination, attachment and hyphal growth of <i>Botrytis cinerea</i> . <i>BMC Plant Biology</i> , 2017, 17, 235.	3.6	20
23	Bcmimp1, a <i>Botrytis cinerea</i> Gene Transiently Expressed in planta, Encodes a Mitochondrial Protein. <i>Frontiers in Microbiology</i> , 2016, 7, 213.	3.5	3
24	Analysis of Cryptic, Systemic <i>Botrytis</i> Infections in Symptomless Hosts. <i>Frontiers in Plant Science</i> , 2016, 7, 625.	3.6	51
25	Comparative genomics of <i>Beauveria bassiana</i> : uncovering signatures of virulence against mosquitoes. <i>BMC Genomics</i> , 2016, 17, 986.	2.8	38
26	A novel Z ₂ C ₆ transcription factor B _c G _{aa} R _c regulates D _c galacturonic acid utilization in <i>Botrytis cinerea</i> . <i>Molecular Microbiology</i> , 2016, 100, 247-262.	2.5	31
27	RNA "Information Warfare"™ in Pathogenic and Mutualistic Interactions. <i>Trends in Plant Science</i> , 2016, 21, 738-748.	8.8	42
28	The transcriptional activator GaaR of <i>Aspergillus Niger</i> is required for release and utilization of <i>B_cG_{aa}R_c</i> galacturonic acid from pectin. <i>FEBS Letters</i> , 2016, 590, 1804-1815.	2.8	64
29	Genes involved in virulence of the entomopathogenic fungus <i>Beauveria bassiana</i> . <i>Journal of Invertebrate Pathology</i> , 2016, 133, 41-49.	3.2	101
30	Mind the gap; seven reasons to close fragmented genome assemblies. <i>Fungal Genetics and Biology</i> , 2016, 90, 24-30.	2.1	108
31	Mating type and sexual fruiting body of <i>Botrytis elliptica</i> , the causal agent of fire blight in lily. <i>European Journal of Plant Pathology</i> , 2015, 142, 615-624.	1.7	9
32	A Novel <i>Botrytis</i> Species Is Associated with a Newly Emergent Foliar Disease in Cultivated <i>Hemerocallis</i> . <i>PLoS ONE</i> , 2014, 9, e89272.	2.5	35
33	Fungal Endopolygalacturonases Are Recognized as Microbe-Associated Molecular Patterns by the Arabidopsis Receptor-Like Protein RESPONSIVENESS TO BOTRYTIS POLYGALACTURONASES1. <i>Plant Physiology</i> , 2014, 164, 352-364.	4.8	249
34	Extensive Expansion of A1 Family Aspartic Proteinases in Fungi Revealed by Evolutionary Analyses of 107 Complete Eukaryotic Proteomes. <i>Genome Biology and Evolution</i> , 2014, 6, 1480-1494.	2.5	17
35	Natural variation in virulence of the entomopathogenic fungus <i>Beauveria bassiana</i> against malaria mosquitoes. <i>Malaria Journal</i> , 2014, 13, 479.	2.3	43
36	Genome-wide analysis of pectate-induced gene expression in <i>Botrytis cinerea</i> : Identification and functional analysis of putative d ⁻ galacturonate transporters. <i>Fungal Genetics and Biology</i> , 2014, 72, 182-191.	2.1	30

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37	<i>Botrytis</i> species: relentless necrotrophic thugs or endophytes gone rogue?. <i>Molecular Plant Pathology</i> , 2014, 15, 957-961.	4.2	116
38	One stop shop: backbone trees for important phytopathogenic genera: I (2014). <i>Fungal Diversity</i> , 2014, 67, 21-125.	12.3	241
39	Functional analysis of hydrophobin genes in sexual development of <i>Botrytis cinerea</i> . <i>Fungal Genetics and Biology</i> , 2014, 71, 42-51.	2.1	21
40	The Endo-Arabinanase BcAra1 Is a Novel Host-Specific Virulence Factor of the Necrotic Fungal Phytopathogen <i>Botrytis cinerea</i> . <i>Molecular Plant-Microbe Interactions</i> , 2014, 27, 781-792.	2.6	44
41	The Genome of <i>Botrytis cinerea</i> , a Ubiquitous Broad Host Range Necrotroph. , 2014, , 19-44.		21
42	Repeated loss of an anciently horizontally transferred gene cluster in <i>Botrytis</i> . <i>Mycologia</i> , 2013, 105, 1126-1134.	1.9	39
43	14 Pectin as a Barrier and Nutrient Source for Fungal Plant Pathogens. , 2013, , 361-375.		11
44	Aspartic Acid Protease from <i>Botrytis cinerea</i> Removes Haze-Forming Proteins during White Winemaking. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 130925134142009.	5.2	33
45	<i>Botrytis cinerea</i> mutants deficient in α -D-galacturonic acid catabolism have a perturbed virulence on <i>Nicotiana benthamiana</i> and <i>Arabidopsis</i> , but not on tomato. <i>Molecular Plant Pathology</i> , 2013, 14, 19-29.	4.2	43
46	The NADPH Oxidase Complexes in <i>Botrytis cinerea</i> : Evidence for a Close Association with the ER and the Tetraspanin Pls1. <i>PLoS ONE</i> , 2013, 8, e55879.	2.5	75
47	Genome Update of <i>Botrytis cinerea</i> Strains B05.10 and T4. <i>Eukaryotic Cell</i> , 2012, 11, 1413-1414.	3.4	124
48	PRP8 inteins in species of the genus <i>Botrytis</i> and other ascomycetes. <i>Fungal Genetics and Biology</i> , 2012, 49, 250-261.	2.1	7
49	The Top 10 fungal pathogens in molecular plant pathology. <i>Molecular Plant Pathology</i> , 2012, 13, 414-430.	4.2	3,270
50	The Top 10 fungal pathogens in molecular plant pathology. <i>Molecular Plant Pathology</i> , 2012, 13, 804-804.	4.2	72
51	The Top 10 fungal pathogens in molecular plant pathology. <i>Molecular Plant Pathology</i> , 2012, , no-no.	4.2	22
52	Genomic Analysis of the Necrotrophic Fungal Pathogens <i>Sclerotinia sclerotiorum</i> and <i>Botrytis cinerea</i> . <i>PLoS Genetics</i> , 2011, 7, e1002230.	3.5	902
53	The α -D-galacturonic acid catabolic pathway in <i>Botrytis cinerea</i> . <i>Fungal Genetics and Biology</i> , 2011, 48, 990-997.	2.1	70
54	The <i>FRP1</i> α -Box gene has different functions in sexuality, pathogenicity and metabolism in three fungal pathogens. <i>Molecular Plant Pathology</i> , 2011, 12, 548-563.	4.2	22

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55	The aspartic proteinase family of three <i>Phytophthora</i> species. <i>BMC Genomics</i> , 2011, 12, 254.	2.8	19
56	Inadvertent gene silencing of argininosuccinate synthase (<i>bcss1</i>) in <i>Botrytis cinerea</i> by the pLOB1 vector system. <i>Molecular Plant Pathology</i> , 2010, 11, 613-624.	4.2	18
57	The <i>Botrytis cinerea</i> aspartic proteinase family. <i>Fungal Genetics and Biology</i> , 2010, 47, 53-65.	2.1	101
58	Sexual mating of <i>Botrytis cinerea</i> illustrates PRP8 intein HEG activity. <i>Fungal Genetics and Biology</i> , 2010, 47, 392-398.	2.1	13
59	Functional analysis and mode of action of phytotoxic Nep1-like proteins of <i>Botrytis cinerea</i> . <i>Physiological and Molecular Plant Pathology</i> , 2010, 74, 376-386.	2.5	68
60	Quantitative resistance to <i>Botrytis cinerea</i> from <i>Solanum neorickii</i> . <i>Euphytica</i> , 2008, 159, 83-92.	1.2	27
61	Phytotoxic Nep1-like proteins from the necrotrophic fungus <i>Botrytis cinerea</i> associate with membranes and the nucleus of plant cells. <i>New Phytologist</i> , 2008, 177, 493-505.	7.3	136
62	NADPH Oxidases Are Involved in Differentiation and Pathogenicity in <i>Botrytis cinerea</i> . <i>Molecular Plant-Microbe Interactions</i> , 2008, 21, 808-819.	2.6	240
63	The pOT and pLOB vector systems: Improving ease of transgene expression in <i>Botrytis cinerea</i> . <i>Journal of General and Applied Microbiology</i> , 2008, 54, 367-376.	0.7	22
64	Oxaloacetate Hydrolase, the C-C Bond Lyase of Oxalate Secreting Fungi. <i>Journal of Biological Chemistry</i> , 2007, 282, 9581-9590.	3.4	102
65	A Polygalacturonase-Inhibiting Protein from Grapevine Reduces the Symptoms of the Endopolygalacturonase BcPG2 from <i>Botrytis cinerea</i> in <i>Nicotiana benthamiana</i> Leaves Without Any Evidence for In Vitro Interaction. <i>Molecular Plant-Microbe Interactions</i> , 2007, 20, 392-402.	2.6	60
66	Positive selection in phytotoxic protein-encoding genes of <i>Botrytis</i> species. <i>Fungal Genetics and Biology</i> , 2007, 44, 52-63.	2.1	104
67	Extracellular Enzymes and Metabolites Involved in Pathogenesis of <i>Botrytis</i> . , 2007, , 99-118.		29
68	Partial stem and leaf resistance against the fungal pathogen <i>Botrytis cinerea</i> in wild relatives of tomato. <i>European Journal of Plant Pathology</i> , 2007, 117, 153-166.	1.7	32
69	Plant Defence Compounds Against <i>Botrytis</i> Infection. , 2007, , 143-161.		31
70	Histochemical and genetic analysis of host and non-host interactions of <i>Arabidopsis</i> with three <i>Botrytis</i> species: an important role for cell death control. <i>Molecular Plant Pathology</i> , 2007, 8, 41-54.	4.2	164
71	Functional analysis of NLP genes from <i>Botrytis elliptica</i> . <i>Molecular Plant Pathology</i> , 2007, 8, 209-214.	4.2	53
72	<i>Botrytis cinerea</i> : the cause of grey mould disease. <i>Molecular Plant Pathology</i> , 2007, 8, 561-580.	4.2	1,345

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73	Three QTLs for <i>Botrytis cinerea</i> resistance in tomato. <i>Theoretical and Applied Genetics</i> , 2007, 114, 585-593.	3.6	50
74	The construction of a <i>Solanum habrochaites</i> LYC4 introgression line population and the identification of QTLs for resistance to <i>Botrytis cinerea</i> . <i>Theoretical and Applied Genetics</i> , 2007, 114, 1071-1080.	3.6	72
75	AFLP analysis of genetic diversity in populations of <i>Botrytis elliptica</i> and <i>Botrytis tulipae</i> from the Netherlands. <i>European Journal of Plant Pathology</i> , 2007, 117, 219-235.	1.7	14
76	Licensed to kill: the lifestyle of a necrotrophic plant pathogen. <i>Trends in Plant Science</i> , 2006, 11, 247-253.	8.8	627
77	Necrotizing activity of five <i>Botrytis cinerea</i> endopolygalacturonases produced in <i>Pichia pastoris</i> . <i>Plant Journal</i> , 2005, 43, 213-225.	5.7	255
78	Functional analysis of <i>Botrytis cinerea</i> pectin methylesterase genes by PCR-based targeted mutagenesis: <i>Bcpme1</i> and <i>Bcpme2</i> are dispensable for virulence of strain B05.10. <i>Molecular Plant Pathology</i> , 2005, 6, 641-652.	4.2	86
79	Molecular Phylogeny of the Plant Pathogenic Genus <i>Botrytis</i> and the Evolution of Host Specificity. <i>Molecular Biology and Evolution</i> , 2004, 22, 333-346.	8.9	345
80	Induction of programmed cell death in lily by the fungal pathogen <i>Botrytis elliptica</i> . <i>Molecular Plant Pathology</i> , 2004, 5, 559-574.	4.2	100
81	Simultaneous silencing of multiple genes in the apple scab fungus, <i>Venturia inaequalis</i> , by expression of RNA with chimeric inverted repeats. <i>Fungal Genetics and Biology</i> , 2004, 41, 963-971.	2.1	115
82	An aspartic proteinase gene family in the filamentous fungus <i>Botrytis cinerea</i> contains members with novel features. <i>Microbiology (United Kingdom)</i> , 2004, 150, 2475-2489.	1.8	72
83	The Role of Ethylene and Wound Signaling in Resistance of Tomato to <i>Botrytis cinerea</i> . <i>Plant Physiology</i> , 2002, 129, 1341-1351.	4.8	301
84	Resveratrol acts as a natural profungicide and induces self-intoxication by a specific laccase. <i>Molecular Microbiology</i> , 2002, 43, 883-894.	2.5	151
85	Functional analysis of an extracellular catalase of <i>Botrytis cinerea</i> . <i>Molecular Plant Pathology</i> , 2002, 3, 227-238.	4.2	114
86	The Contribution of Cell Wall Degrading Enzymes to Pathogenesis of Fungal Plant Pathogens. , 2002, , 341-358.		68
87	<i>Botrytis cinerea</i> Endopolygalacturonase Genes Are Differentially Expressed in Various Plant Tissues. <i>Fungal Genetics and Biology</i> , 2001, 33, 97-105.	2.1	129
88	Cloning and characterization of a glutathione S-transferase homologue from the plant pathogenic fungus <i>Botrytis cinerea</i> . <i>Molecular Plant Pathology</i> , 2000, 1, 169-178.	4.2	38
89	Structure and Expression In planta of <i>Botrytis cinerea</i> Ubiquitin Genes. <i>European Journal of Plant Pathology</i> , 2000, 106, 693-698.	1.7	7
90	Regulation of endopolygalacturonase gene expression in <i>Botrytis cinerea</i> by galacturonic acid, ambient pH and carbon catabolite repression. <i>Current Genetics</i> , 2000, 37, 152-157.	1.7	131

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91	Transgenic Expression of Pear PGIP in Tomato Limits Fungal Colonization. <i>Molecular Plant-Microbe Interactions</i> , 2000, 13, 942-950.	2.6	228
92	Fungal and plant gene expression during synchronized infection of tomato leaves by <i>Botrytis cinerea</i> . <i>European Journal of Plant Pathology</i> , 1998, 104, 207-220.	1.7	170
93	The Endopolygalacturonase Gene <i>Bcpg1</i> Is Required for Full Virulence of <i>Botrytis cinerea</i> . <i>Molecular Plant-Microbe Interactions</i> , 1998, 11, 1009-1016.	2.6	513
94	Application of differential display RT-PCR to the analysis of gene expression in a plant-fungus interaction. <i>Plant Molecular Biology</i> , 1996, 32, 947-957.	3.9	65
95	Induction of tomato stress protein mRNAs by ethephon, 2,6-dichloroisonicotinic acid and salicylate. <i>Plant Molecular Biology</i> , 1995, 27, 1205-1213.	3.9	76
96	Molecular characterization of four chitinase cDNAs obtained from <i>Cladosporium fulvum</i> -infected tomato. <i>Plant Molecular Biology</i> , 1993, 22, 1017-1029.	3.9	107
97	Subcellular localization of plant chitinases and 1,3- β -glucanases in <i>Cladosporium fulvum</i> (syn. <i>Fulvia</i>) Tj ETQq1 1 0.784314 rgBT /Over 2.5 54	2.5	54
98	Differential accumulation of mRNAs encoding extracellular and intracellular PR proteins in tomato induced by virulent and avirulent races of <i>Cladosporium fulvum</i> . <i>Plant Molecular Biology</i> , 1992, 20, 513-527.	3.9	211
99	Molecular analysis of the avirulence gene <i>avr9</i> of the fungal tomato pathogen <i>Cladosporium fulvum</i> fully supports the gene-for-gene hypothesis.. <i>Plant Journal</i> , 1992, 2, 359-366.	5.7	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. <i>Molecular Plant-Microbe Interactions</i> , 1991, 4, 52.	2.6	305
101	A Virus-Inducible Tobacco Gene Encoding a Glycine-Rich Protein Shares Putative Regulatory Elements with the Ribulose Biphosphate Carboxylase Small Subunit Gene. <i>Molecular Plant-Microbe Interactions</i> , 1988, 1, 107.	2.6	50
102	Structure of tobacco genes encoding pathogenesis-related proteins from the PR-1 group. <i>Nucleic Acids Research</i> , 1987, 15, 6799-6811.	14.5	137
103	Necrotrophic Fungi: Live and Let Die. , 0, , 645-659.		0