

Roeland E Voorrips

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

9,241
citations

101384

36
h-index

118652

62
g-index

86
all docs

86
docs citations

86
times ranked

8552
citing authors

#	ARTICLE	IF	CITATIONS
1	MapChart: Software for the Graphical Presentation of Linkage Maps and QTLs. , 2002, 93, 77-78.		4,896
2	A high-quality genome sequence of <i>Rosa chinensis</i> to elucidate ornamental traits. <i>Nature Plants</i> , 2018, 4, 473-484.	4.7	224
3	Tomato early blight (<i>Alternaria solani</i>): the pathogen, genetics, and breeding for resistance. <i>Journal of General Plant Pathology</i> , 2006, 72, 335-347.	0.6	179
4	Genotype calling in tetraploid species from bi-allelic marker data using mixture models. <i>BMC Bioinformatics</i> , 2011, 12, 172.	1.2	175
5	Tools for Genetic Studies in Experimental Populations of Polyploids. <i>Frontiers in Plant Science</i> , 2018, 9, 513.	1.7	175
6	Development and analysis of a 20K SNP array for potato (<i>Solanum tuberosum</i>): an insight into the breeding history. <i>Theoretical and Applied Genetics</i> , 2015, 128, 2387-2401.	1.8	165
7	Evaluation of LD decay and various LD-decay estimators in simulated and SNP-array data of tetraploid potato. <i>Theoretical and Applied Genetics</i> , 2017, 130, 123-135.	1.8	158
8	Mapping of two genes for resistance to clubroot (<i>Plasmodiophora brassicae</i>) in a population of doubled haploid lines of <i>Brassica oleracea</i> by means of RFLP and AFLP markers. <i>Theoretical and Applied Genetics</i> , 1997, 94, 75-82.	1.8	156
9	Genetic architecture of plant stress resistance: multi-trait genome-wide association mapping. <i>New Phytologist</i> , 2017, 213, 1346-1362.	3.5	144
10	Bayesian QTL analyses using pedigreed families of an outcrossing species, with application to fruit firmness in apple. <i>Theoretical and Applied Genetics</i> , 2014, 127, 1073-1090.	1.8	129
11	QualitySNP: a pipeline for detecting single nucleotide polymorphisms and insertions/deletions in EST data from diploid and polyploid species. <i>BMC Bioinformatics</i> , 2006, 7, 438.	1.2	127
12	<i>Plasmodiophora brassicae</i> : aspects of pathogenesis and resistance in <i>Brassica oleracea</i> . <i>Euphytica</i> , 1995, 83, 139-146.	0.6	110
13	Bayesian analysis of complex traits in pedigreed plant populations. <i>Euphytica</i> , 2008, 161, 85-96.	0.6	107
14	The Double-Reduction Landscape in Tetraploid Potato as Revealed by a High-Density Linkage Map. <i>Genetics</i> , 2015, 201, 853-863.	1.2	100
15	Microspore culture is successful in most crop types of <i>Brassica oleracea</i> L.. <i>Euphytica</i> , 1992, 60, 45-55.	0.6	99
16	polymap—linkage analysis and genetic map construction from F1 populations of outcrossing polyploids. <i>Bioinformatics</i> , 2018, 34, 3496-3502.	1.8	99
17	QTL mapping of anthracnose (<i>Colletotrichum</i> spp.) resistance in a cross between <i>Capsicum annum</i> and <i>C. chinense</i> . <i>Theoretical and Applied Genetics</i> , 2004, 109, 1275-1282.	1.8	94
18	The simulation of meiosis in diploid and tetraploid organisms using various genetic models. <i>BMC Bioinformatics</i> , 2012, 13, 248.	1.2	76

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19	Genotypic variation in genome-wide transcription profiles induced by insect feeding: Brassica oleracea "Pieris rapae interactions. BMC Genomics, 2007, 8, 239.	1.2	75
20	Using RNA-Seq to assemble a rose transcriptome with more than 13,000 full-length expressed genes and to develop the WagRhSNP 68k Axiom SNP array for rose (Rosa L.). Frontiers in Plant Science, 2015, 6, 249.	1.7	72
21	Partial preferential chromosome pairing is genotype dependent in tetraploid rose. Plant Journal, 2017, 90, 330-343.	2.8	72
22	A high-density, multi-parental SNP genetic map on apple validates a new mapping approach for outcrossing species. Horticulture Research, 2016, 3, 16057.	2.9	68
23	Large-scale identification of polymorphic microsatellites using an in silico approach. BMC Bioinformatics, 2008, 9, 374.	1.2	65
24	Responses of Brassica oleracea cultivars to infestation by the aphid Brevicoryne brassicae: an ecological and molecular approach. Plant, Cell and Environment, 2008, 31, 1592-1605.	2.8	63
25	Three QTLs from Lycopersicon peruvianum confer a high level of resistance to Clavibactermichiganensis ssp. michiganensis. Theoretical and Applied Genetics, 1999, 99, 1068-1074.	1.8	62
26	Pedimap: Software for the Visualization of Genetic and Phenotypic Data in Pedigrees. Journal of Heredity, 2012, 103, 903-907.	1.0	60
27	Assessment of early blight (Alternaria solani) resistance in tomato using a droplet inoculation method. Journal of General Plant Pathology, 2007, 73, 96-103.	0.6	59
28	Genome-Wide Association Analysis of the Anthocyanin and Carotenoid Contents of Rose Petals. Frontiers in Plant Science, 2016, 7, 1798.	1.7	54
29	An ultra-dense integrated linkage map for hexaploid chrysanthemum enables multi-allelic QTL analysis. Theoretical and Applied Genetics, 2017, 130, 2527-2541.	1.8	52
30	Integrating haplotype-specific linkage maps in tetraploid species using SNP markers. Theoretical and Applied Genetics, 2016, 129, 2211-2226.	1.8	51
31	Non-destructive estimation of leaf area for different plant ages and accessions of Capsicum annuum L. Journal of Horticultural Science and Biotechnology, 2004, 79, 764-770.	0.9	48
32	Population structure and genome-wide association analysis for frost tolerance in oat using continuous SNP array signal intensity ratios. Theoretical and Applied Genetics, 2016, 129, 1711-1724.	1.8	48
33	Probabilistic Multilocus Haplotype Reconstruction in Outcrossing Tetraploids. Genetics, 2016, 203, 119-131.	1.2	48
34	Examination of resistance to clubroot in accessions of Brassica oleracea using a glasshouse seedling test. European Journal of Plant Pathology, 1993, 99, 269-276.	0.5	46
35	Screening of pepper accessions for resistance against two thrips species (Frankliniella occidentalis) Tj ETQq1 1 0.784314 rgBT /Overlo	0.6	46
36	Reduced phloem uptake of Myzus persicae on an aphid resistant pepper accession. BMC Plant Biology, 2018, 18, 138.	1.6	46

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37	PediHaplotyper: software for consistent assignment of marker haplotypes in pedigrees. <i>Molecular Breeding</i> , 2016, 36, 119.	1.0	44
38	QTL identification for early blight resistance (<i>Alternaria solani</i>) in a <i>Solanum lycopersicum</i> – <i>S. arcanum</i> cross. <i>Theoretical and Applied Genetics</i> , 2007, 114, 439-450.	1.8	42
39	High-density SNP-based genetic maps for the parents of an outcrossed and a selfed tetraploid garden rose cross, inferred from admixed progeny using the 68k rose SNP array. <i>Horticulture Research</i> , 2016, 3, 16052.	2.9	42
40	Broad spectrum insect resistance and metabolites in close relatives of the cultivated tomato. <i>Euphytica</i> , 2018, 214, 46.	0.6	40
41	Resistance factors in pepper inhibit larval development of thrips (<i>Frankliniella</i>) Tj ETQq1 1 0.784314 rgt / Overlock 10 T	0.7	38
42	HaploSNPer: a web-based allele and SNP detection tool. <i>BMC Genetics</i> , 2008, 9, 23.	2.7	37
43	QTL mapping of insect resistance components of <i>Solanum galapagense</i> . <i>Theoretical and Applied Genetics</i> , 2019, 132, 531-541.	1.8	37
44	Genetic linkage of QTLs for late blight resistance and foliage maturity type in six related potato progenies. <i>Euphytica</i> , 2005, 143, 189-199.	0.6	35
45	Conclusive evidence for hexasomic inheritance in chrysanthemum based on analysis of a 183k SNP array. <i>BMC Genomics</i> , 2017, 18, 585.	1.2	35
46	FitTetra 2.0 – improved genotype calling for tetraploids with multiple population and parental data support. <i>BMC Bioinformatics</i> , 2019, 20, 148.	1.2	35
47	Genetic mapping of semi-polar metabolites in pepper fruits (<i>Capsicum</i> sp.): towards unravelling the molecular regulation of flavonoid quantitative trait loci. <i>Molecular Breeding</i> , 2014, 33, 503-518.	1.0	33
48	Genome-wide association analysis for lodging tolerance and plant height in a diverse European hexaploid oat collection. <i>Euphytica</i> , 2017, 213, 1.	0.6	33
49	Production, characterization and interaction of single-spore isolates of <i>Plasmodiophora brassicae</i> . <i>European Journal of Plant Pathology</i> , 1996, 102, 377-383.	0.8	32
50	Transcriptional responses of <i>Brassica nigra</i> to feeding by specialist insects of different feeding guilds. <i>Insect Science</i> , 2011, 18, 259-272.	1.5	30
51	Genetic structure of a QTL hotspot on chromosome 2 in sweet cherry indicates positive selection for favorable haplotypes. <i>Molecular Breeding</i> , 2017, 37, 1.	1.0	30
52	Multi-environment QTL analysis of plant and flower morphological traits in tetraploid rose. <i>Theoretical and Applied Genetics</i> , 2018, 131, 2055-2069.	1.8	30
53	Quantifying the Power and Precision of QTL Analysis in Autopolyploids Under Bivalent and Multivalent Genetic Models. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 2107-2122.	0.8	30
54	Intraspecific variation in herbivore community composition and transcriptional profiles in field-grown <i>Brassica oleracea</i> cultivars. <i>Journal of Experimental Botany</i> , 2010, 61, 807-819.	2.4	29

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55	Plant traits associated with resistance to Thrips tabaci in cabbage (<i>Brassica oleracea</i> var <i>capitata</i>). <i>Euphytica</i> , 2008, 163, 409.	0.6	28
56	Genetic and QTL analyses of yield and a set of physiological traits in pepper. <i>Euphytica</i> , 2013, 190, 181-201.	0.6	25
57	Host plant resistance towards the cabbage whitefly in <i>Brassica oleracea</i> and its wild relatives. <i>Euphytica</i> , 2015, 202, 297-306.	0.6	21
58	Parthenocarpic potential in <i>Capsicum annuum</i> L. is enhanced by carpelloid structures and controlled by a single recessive gene. <i>BMC Plant Biology</i> , 2011, 11, 143.	1.6	20
59	QTL mapping of thrips resistance in pepper. <i>Theoretical and Applied Genetics</i> , 2015, 128, 1945-1956.	1.8	20
60	Title is missing!. <i>Euphytica</i> , 1997, 93, 41-48.	0.6	18
61	Antibiosis resistance against larval cabbage root fly, <i>Delia radicum</i> , in wild <i>Brassica</i> -species. <i>Euphytica</i> , 2016, 211, 139-155.	0.6	18
62	Genetic variation in phytochemicals in leaves of pepper (<i>Capsicum</i>) in relation to thrips resistance. <i>Arthropod-Plant Interactions</i> , 2019, 13, 1-9.	0.5	18
63	Detecting quantitative trait loci and exploring chromosomal pairing in autopolyploids using polyqTLR. <i>Bioinformatics</i> , 2021, 37, 3822-3829.	1.8	18
64	Aphid resistance in <i>Capsicum</i> maps to a locus containing LRR-RLK gene analogues. <i>Theoretical and Applied Genetics</i> , 2020, 133, 227-237.	1.8	15
65	Inheritance of taste components in tomato. <i>Acta Physiologiae Plantarum</i> , 2000, 22, 259-261.	1.0	14
66	Title is missing!. <i>Euphytica</i> , 1997, 93, 31-39.	0.6	13
67	Combining QTL mapping with transcriptome and metabolome profiling reveals a possible role for ABA signaling in resistance against the cabbage whitefly in cabbage. <i>PLoS ONE</i> , 2018, 13, e0206103.	1.1	13
68	Root hair infection by <i>Plasmodiophora brassicae</i> in clubroot-resistant and susceptible genotypes of <i>Brassica oleracea</i> , <i>B. rapa</i> and <i>B. napus</i> . <i>European Journal of Plant Pathology</i> , 1992, 98, 361-368.	0.5	12
69	Variation in relative growth rate and growth traits in wild and cultivated <i>Capsicum</i> accessions grown under different temperatures. <i>Journal of Horticultural Science and Biotechnology</i> , 2006, 81, 1029-1037.	0.9	10
70	Aphid populations showing differential levels of virulence on <i>Capsicum</i> accessions. <i>Insect Science</i> , 2020, 27, 336-348.	1.5	10
71	The ability to manipulate ROS metabolism in pepper may affect aphid virulence. <i>Horticulture Research</i> , 2020, 7, 6.	2.9	10
72	The effect of plant development on thrips resistance in <i>Capsicum</i> . <i>Arthropod-Plant Interactions</i> , 2019, 13, 11-18.	0.5	9

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73	Novel Genes Affecting the Interaction between the Cabbage Whitefly and Arabidopsis Uncovered by Genome-Wide Association Mapping. PLoS ONE, 2015, 10, e0145124.	1.1	9
74	A one-hit model for the infection of clubroot-susceptible cabbage (<i>Brassica oleracea</i> var. capitata) by <i>Plasmodiophora brassicae</i> at various inoculum densities. European Journal of Plant Pathology, 1996, 102, 109-114.	0.8	7
75	Possibilities and Challenges of the Potato Genome Sequence. Potato Research, 2014, 57, 327-330.	1.2	7
76	A novel non-trichome based whitefly resistance QTL in <i>Solanum galapagense</i> . Euphytica, 2021, 217, 1.	0.6	7
77	Fine mapping of a thrips resistance QTL in <i>Capsicum</i> and the role of diterpene glycosides in the underlying mechanism. Theoretical and Applied Genetics, 2021, 134, 1557-1573.	1.8	5
78	Using probabilistic genotypes in linkage analysis of polyploids. Theoretical and Applied Genetics, 2021, 134, 2443-2457.	1.8	5
79	Multiallelic models for QTL mapping in diverse polyploid populations. BMC Bioinformatics, 2022, 23, 67.	1.2	5
80	Genomics-based discrimination of 2n gamete formation mechanisms in polyploids: a case study in nonaploid <i>Diospyros kaki</i> "Akiou"™. G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	4
81	MQ2: visualizing multi-trait mapped QTL results. Molecular Breeding, 2013, 32, 981-985.	1.0	3
82	The effect of a thrips resistance QTL in different <i>Capsicum</i> backgrounds. Euphytica, 2020, 216, 1.	0.6	3
83	Influence of temperature on plant morphology traits and their relationship to relative growth rate in wild and cultivated <i>Capsicum</i> accessions. Journal of Horticultural Science and Biotechnology, 2010, 85, 177-184.	0.9	2