Roeland E Voorrips

List of Publications by Year
in descending order

83	9,241	101384	118652
papers	citations	36 h-index	62 g-index

86	86	86	8552
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multiallelic models for QTL mapping in diverse polyploid populations. BMC Bioinformatics, 2022, 23, 67.	1.2	5
2	A novel non-trichome based whitefly resistance QTL in Solanum galapagense. Euphytica, 2021, 217, 1.	0.6	7
3	Fine mapping of a thrips resistance QTL in Capsicum and the role of diterpene glycosides in the underlying mechanism. Theoretical and Applied Genetics, 2021, 134, 1557-1573.	1.8	5
4	Using probabilistic genotypes in linkage analysis of polyploids. Theoretical and Applied Genetics, 2021, 134, 2443-2457.	1.8	5
5	Genomics-based discrimination of 2n gamete formation mechanisms in polyploids: a case study in nonaploid Diospyros kaki â€˜Akiouâ€™. G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	4
6	Detecting quantitative trait loci and exploring chromosomal pairing in autopolyploids using polyqtlR. Bioinformatics, 2021, 37, 3822-3829.	1.8	18
7	Aphid populations showing differential levels of virulence on Capsicum accessions. Insect Science, 2020, 27, 336-348.	1.5	10
8	Aphid resistance in Capsicum maps to a locus containing LRR-RLK gene analogues. Theoretical and Applied Genetics, 2020, 133, 227-237.	1.8	15
9	The effect of a thrips resistance QTL in different Capsicum backgrounds. Euphytica, 2020, 216, 1.	0.6	3
10	The ability to manipulate ROS metabolism in pepper may affect aphid virulence. Horticulture Research, 2020, 7, 6.	2.9	10
11	Genetic variation in phytochemicals in leaves of pepper (Capsicum) in relation to thrips resistance. Arthropod-Plant Interactions, 2019, 13, 1-9.	0.5	18
12	FitTetra 2.0 â€“ improved genotype calling for tetraploids with multiple population and parental data support. BMC Bioinformatics, 2019, 20, 148.	1.2	35
13	Quantifying the Power and Precision of QTL Analysis in Autopolyploids Under Bivalent and Multivalent Genetic Models. G3: Genes, Genomes, Genetics, 2019, 9, 2107-2122.	0.8	30
14	The effect of plant development on thrips resistance in Capsicum. Arthropod-Plant Interactions, 2019, 13, 11-18.	0.5	9
15	QTL mapping of insect resistance components of Solanum galapagense. Theoretical and Applied Genetics, 2019, 132, 531-541.	1.8	37
16	polymapRâ€”linkage analysis and genetic map construction from F1 populations of outcrossing polyploids. Bioinformatics, 2018, 34, 3496-3502.	1.8	99
17	Broad spectrum insect resistance and metabolites in close relatives of the cultivated tomato. Euphytica, 2018, 214, 46.	0.6	40
18	Combining QTL mapping with transcriptome and metabolome profiling reveals a possible role for ABA signaling in resistance against the cabbage whitefly in cabbage. PLoS ONE, 2018, 13, e0206103.	1.1	13

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19	Multi-environment QTL analysis of plant and flower morphological traits in tetraploid rose. Theoretical and Applied Genetics, 2018, 131, 2055-2069.	1.8	30
20	Tools for Genetic Studies in Experimental Populations of Polyploids. Frontiers in Plant Science, 2018, 9, 513.	1.7	175
21	Reduced phloem uptake of Myzus persicae on an aphid resistant pepper accession. BMC Plant Biology, 2018, 18, 138.	1.6	46
22	A high-quality genome sequence of Rosa chinensis to elucidate ornamental traits. Nature Plants, 2018, 4, 473-484.	4.7	224
23	Partial preferential chromosome pairing is genotype dependent in tetraploid rose. Plant Journal, 2017, 90, 330-343.	2.8	72
24	Genetic structure of a QTL hotspot on chromosome 2 in sweet cherry indicates positive selection for favorable haplotypes. Molecular Breeding, 2017, 37, 1.	1.0	30
25	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
26	Genome-wide association analysis for lodging tolerance and plant height in a diverse European hexaploid oat collection. Euphytica, 2017, 213, 1.	0.6	33
27	Evaluation of LD decay and various LD-decay estimators in simulated and SNP-array data of tetraploid potato. Theoretical and Applied Genetics, 2017, 130, 123-135.	1.8	158
28	Genetic architecture of plant stress resistance: multiâ€trait genomeâ€wide association mapping. New Phytologist, 2017, 213, 1346-1362.	3.5	144
29	Conclusive evidence for hexasomic inheritance in chrysanthemum based on analysis of a 183Âk SNP array. BMC Genomics, 2017, 18, 585.	1.2	35
30	Genome-Wide Association Analysis of the Anthocyanin and Carotenoid Contents of Rose Petals. Frontiers in Plant Science, 2016, 7, 1798.	1.7	54
31	Antibiosis resistance against larval cabbage root fly, Delia radicum, in wild Brassica-species. Euphytica, 2016, 211, 139-155.	0.6	18
32	PediHaplotyper: software for consistent assignment of marker haplotypes in pedigrees. Molecular Breeding, 2016, 36, 119.	1.0	44
33	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
34	Integrating haplotype-specific linkage maps in tetraploid species using SNP markers. Theoretical and Applied Genetics, 2016, 129, 2211-2226.	1.8	51
35	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
36	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. Horticulture Research, 2016, 3, 16052.	2.9	42

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37	Probabilistic Multilocus Haplotype Reconstruction in Outcrossing Tetraploids. Genetics, 2016, 203, 119-131.	1.2	48
38	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
39	Host plant resistance towards the cabbage whitefly in Brassica oleracea and its wild relatives. Euphytica, 2015, 202, 297-306.	0.6	21
40	The Double-Reduction Landscape in Tetraploid Potato as Revealed by a High-Density Linkage Map. Genetics, 2015, 201, 853-863.	1.2	100
41	Development and analysis of a 20K SNP array for potato (Solanum tuberosum): an insight into the breeding history. Theoretical and Applied Genetics, 2015, 128, 2387-2401.	1.8	165
42	QTL mapping of thrips resistance in pepper. Theoretical and Applied Genetics, 2015, 128, 1945-1956.	1.8	20
43	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
44	Possibilities and Challenges of the Potato Genome Sequence. Potato Research, 2014, 57, 327-330.	1.2	7
45	Bayesian QTL analyses using pedigreed families of an outcrossing species, with application to fruit firmness in apple. Theoretical and Applied Genetics, 2014, 127, 1073-1090.	1.8	129
46	Genetic mapping of semi-polar metabolites in pepper fruits (Capsicum sp.): towards unravelling the molecular regulation of flavonoid quantitative trait loci. Molecular Breeding, 2014, 33, 503-518.	1.0	33
47	MQ2: visualizing multi-trait mapped QTL results. Molecular Breeding, 2013, 32, 981-985.	1.0	3
48	Genetic and QTL analyses of yield and a set of physiological traits in pepper. Euphytica, 2013, 190, 181-201.	0.6	25
49	Pedimap: Software for the Visualization of Genetic and Phenotypic Data in Pedigrees. Journal of Heredity, 2012, 103, 903-907.	1.0	60
50	The simulation of meiosis in diploid and tetraploid organisms using various genetic models. BMC Bioinformatics, 2012, 13, 248.	1.2	76
51	Resistance factors in pepper inhibit larval development of thrips (<i><scp>F</scp>rankliniella) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.7	38
52	Transcriptional responses of Brassica nigra to feeding by specialist insects of different feeding guilds. Insect Science, 2011, 18, 259-272.	1.5	30
53	Screening of pepper accessions for resistance against two thrips species (Frankliniella occidentalis) Tj ETQq1 1 0.784314 rgBT /Overlo	0.6	46
54	Parthenocarpic potential in Capsicum annuumL. is enhanced by carpelloid structures and controlled by a single recessive gene. BMC Plant Biology, 2011, 11, 143.	1.6	20

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55	Genotype calling in tetraploid species from bi-allelic marker data using mixture models. BMC Bioinformatics, 2011, 12, 172.	1.2	175
56	Influence of temperature on plant morphology traits and their relationship to relative growth rate in wild and cultivatedCapsicumaccessions. Journal of Horticultural Science and Biotechnology, 2010, 85, 177-184.	0.9	2
57	Intraspecific variation in herbivore community composition and transcriptional profiles in field-grown Brassica oleracea cultivars. Journal of Experimental Botany, 2010, 61, 807-819.	2.4	29
58	Bayesian analysis of complex traits in pedigreed plant populations. Euphytica, 2008, 161, 85-96.	0.6	107
59	Plant traits associated with resistance to Thrips tabaci in cabbage (Brassica oleracea var capitata). Euphytica, 2008, 163, 409.	0.6	28
60	HaploSNPer: a web-based allele and SNP detection tool. BMC Genetics, 2008, 9, 23.	2.7	37
61	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
62	Large-scale identification of polymorphic microsatellites using an in silico approach. BMC Bioinformatics, 2008, 9, 374.	1.2	65
63	Genotypic variation in genome-wide transcription profiles induced by insect feeding: Brassica oleracea â€“ Pieris rapae interactions. BMC Genomics, 2007, 8, 239.	1.2	75
64	QTL identification for early blight resistance (Alternaria solani) in a Solanum lycopersicumÂÃ—ÂS. arcanum cross. Theoretical and Applied Genetics, 2007, 114, 439-450.	1.8	42
65	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
66	Variation in relative growth rate and growth traits in wild and cultivatedCapsicumaccessions grown under different temperatures. Journal of Horticultural Science and Biotechnology, 2006, 81, 1029-1037.	0.9	10
67	Tomato early blight (Alternaria solani): the pathogen, genetics, and breeding for resistance. Journal of General Plant Pathology, 2006, 72, 335-347.	0.6	179
68	QualitySNP: a pipeline for detecting single nucleotide polymorphisms and insertions/deletions in EST data from diploid and polyploid species. BMC Bioinformatics, 2006, 7, 438.	1.2	127
69	Genetic linkage of QTLs for late blight resistance and foliage maturity type in six related potato progenies. Euphytica, 2005, 143, 189-199.	0.6	35
70	QTL mapping of anthracnose (Colletotrichum spp.) resistance in a cross between Capsicum annuum and C. chinense. Theoretical and Applied Genetics, 2004, 109, 1275-1282.	1.8	94
71	Non-destructive estimation of leaf area for different plant ages and accessions ofCapsicum annuumL.. Journal of Horticultural Science and Biotechnology, 2004, 79, 764-770.	0.9	48
72	MapChart: Software for the Graphical Presentation of Linkage Maps and QTLs. , 2002, 93, 77-78.		4,896

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73	Inheritance of taste components in tomato. Acta Physiologiae Plantarum, 2000, 22, 259-261.	1.0	14
74	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
75	Title is missing!. Euphytica, 1997, 93, 31-39.	0.6	13
76	Title is missing!. Euphytica, 1997, 93, 41-48.	0.6	18
77	Mapping of two genes for resistance to clubroot (Plasmodiophora brassicae) in a population of doubled haploid lines of Brassica oleracea by means of RFLP and AFLP markers. Theoretical and Applied Genetics, 1997, 94, 75-82.	1.8	156
78	A one-hit model for the infection of clubroot-susceptible cabbage (Brassica oleracea var.capitata) byPlasmodiophora brassicae at various inoculum densities. European Journal of Plant Pathology, 1996, 102, 109-114.	0.8	7
79	Production, characterization and interaction of single-spore isolates ofPlasmodiophora brassicae. European Journal of Plant Pathology, 1996, 102, 377-383.	0.8	32
80	Plasmodiophora brassicae: aspects of pathogenesis and resistance inBrassica oleracea. Euphytica, 1995, 83, 139-146.	0.6	110
81	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
82	Microspore culture is successful in most crop types of Brassica oleracea L.. Euphytica, 1992, 60, 45-55.	0.6	99
83	Root hair infection by Plasmodiophora brassicae in clubrootresistant and susceptible genotypes of Brassica oleracea, B. rapa and B. napus. European Journal of Plant Pathology, 1992, 98, 361-368.	0.5	12