Ben Vosman

List of Publications by Year
in descending order

133	9,081	34016	46693
papers	citations	52 h-index	89 g-index

135	135	135	8883
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Title is missing!. Molecular Breeding, 1997, 3, 381-390.	1.0	619
2	Alpha-gliadin genes from the A, B, and D genomes of wheat contain different sets of celiac disease epitopes. BMC Genomics, 2006, 7, 1.	1.2	445
3	Effector Genomics Accelerates Discovery and Functional Profiling of Potato Disease Resistance and Phytophthora Infestans Avirulence Genes. PLoS ONE, 2008, 3, e2875.	1.1	361
4	Genetic Diversity and the Survival of Populations. Plant Biology, 2000, 2, 379-395.	1.8	335
5	Use of short microsatellites from database sequences to generate polymorphisms among Lycopersicon esculentum cultivars and accessions of other Lycopersicon species. Theoretical and Applied Genetics, 1997, 94, 264-272.	1.8	251
6	Assignment of allelic configuration in polyploids using the MAC-PR (microsatellite DNA allele) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	1.8	208
7	A Mixed-Model Approach to Association Mapping Using Pedigree Information With an Illustration of Resistance to Phytophthora infestans in Potato. Genetics, 2007, 175, 879-889.	1.2	205
8	Genotype calling in tetraploid species from bi-allelic marker data using mixture models. BMC Bioinformatics, 2011, 12, 172.	1.2	175
9	Location of resistance factors in the leaves of potato and wild tuber-bearing Solanum species to the aphid Myzus persicae. Entomologia Experimentalis Et Applicata, 2006, 121, 145-157.	0.7	171
10	Development and characterization of microsatellite markers in black poplar (Populus nigra L.). Theoretical and Applied Genetics, 2000, 101, 317-322.	1.8	170
11	Molecular genetic analysis of black poplar (Populus nigra L.) along Dutch rivers. Molecular Ecology, 1998, 7, 11-18.	2.0	160
12	Biodiversity assessment using markers for ecologically important traits. Trends in Ecology and Evolution, 2002, 17, 577-582.	4.2	149
13	Molecular technologies for biodiversity evaluation: Opportunities and challenges. Nature Biotechnology, 1997, 15, 625-628.	9.4	147
14	Genetic architecture of plant stress resistance: multiâ€trait genomeâ€wide association mapping. New Phytologist, 2017, 213, 1346-1362.	3.5	144
15	AFLP markers as a tool to reconstruct complex relationships: A case study in Rosa (Rosaceae). American Journal of Botany, 2008, 95, 353-366.	0.8	143
16	Trinucleotide repeat microsatellite markers for black poplar (Populus nigra L.). Molecular Ecology Notes, 2001, 1, 188-190.	1.7	137
17	Construction and analysis of a microsatellite-based database of European wheat varieties. Theoretical and Applied Genetics, 2002, 106, 67-73.	1.8	134
18	Identification of cut rose (Rosa hybrida) and rootstock varieties using robust sequence tagged microsatellite site markers. Theoretical and Applied Genetics, 2003, 106, 277-286.	1.8	133

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19	Efficient targeting of plant disease resistance loci using NBS profiling. Theoretical and Applied Genetics, 2004, 109, 384-393.	1.8	129
20	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
21	Allele mining in Solanum: conserved homologues of Rpi-blb1 are identified in Solanum stoloniferum. Theoretical and Applied Genetics, 2008, 116, 933-943.	1.8	117
22	Structure of the genetic diversity in black poplar (Populus nigra L.) populations across European river systems: Consequences for conservation and restoration. Forest Ecology and Management, 2008, 255, 1388-1399.	1.4	116
23	Construction and testing of a microsatellite database containing more than 500 tomato varieties. Theoretical and Applied Genetics, 2002, 105, 1019-1026.	1.8	112
24	Infection of potato plants with potato leafroll virus changes attraction and feeding behaviour of MyzusÂpersicae. Entomologia Experimentalis Et Applicata, 2007, 125, 135-144.	0.7	97
25	Use of microsatellites to evaluate genetic diversity and species relationships in the genus Lycopersicon. Theoretical and Applied Genetics, 2001, 103, 1283-1292.	1.8	96
26	Exploiting natural variation to identify insectâ€resistance genes. Plant Biotechnology Journal, 2011, 9, 819-825.	4.1	95
27	The Bemisia tabaci species complex: Additions from different parts of the world. Insect Science, 2013, 20, 723-733.	1.5	94
28	Resistance to Bemisia tabaci in tomato wild relatives. Euphytica, 2012, 187, 31-45.	0.6	93
29	Microsatellite retrieval in lettuce (Lactuca sativa L.). Genome, 1999, 42, 139-149.	0.9	92
30	Microsatellite analysis of Rosa damascena Mill. accessions reveals genetic similarity between genotypes used for rose oil production and old Damask rose varieties. Theoretical and Applied Genetics, 2005, 111, 804-809.	1.8	91
31	Tomato breeding in the genomics era: insights from a SNP array. BMC Genomics, 2013, 14, 354.	1.2	86
32	Microsatellite DNA marker inheritance indicates preferential pairing between two highly homologous genomes in polyploid and hemisexual dog-roses, Rosa L. Sect. Caninae DC.. Heredity, 2004, 92, 139-150.	1.2	85
33	Genetic population differentiation and connectivity among fragmented Moor frog (Rana arvalis) populations in The Netherlands. Landscape Ecology, 2007, 22, 1489-1500.	1.9	84
34	Development and evaluation of robust molecular markers linked to disease resistance in tomato for distinctness, uniformity and stability testing. Theoretical and Applied Genetics, 2010, 120, 655-664.	1.8	84
35	Characterization of microsatellite markers inFagus sylvaticaL. andFagus orientalisLipsky. Molecular Ecology Notes, 2003, 3, 76-78.	1.7	81
36	Phylogenetic relationships amongLactuca(Asteraceae) species and related genera based on ITS-1 DNA sequences. American Journal of Botany, 1998, 85, 1517-1530.	0.8	80

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37	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
38	Characterization of the extracellular lipase, LipA, of Acinetobacter calcoaceticus BD413 and sequence analysis of the cloned structural gene. Molecular Microbiology, 1995, 15, 803-818.	1.2	72
39	The use of semi-automated fluorescent microsatellite analysis for tomato cultivar identification. Theoretical and Applied Genetics, 1998, 97, 584-590.	1.8	70
40	FISH mapping and molecular organization of the major repetitive sequences of tomato. Chromosome Research, 2008, 16, 919-933.	1.0	69
41	Diversity, Distribution, and Evolution of Solanum bulbocastanum Late Blight Resistance Genes. Molecular Plant-Microbe Interactions, 2010, 23, 1206-1216.	1.4	69
42	Identification and QTL mapping of whitefly resistance components in Solanum galapagense. Theoretical and Applied Genetics, 2013, 126, 1487-1501.	1.8	66
43	Ex-situ conservation of Black poplar in Europe: genetic diversity in nine gene bank collections and their value for nature development. Theoretical and Applied Genetics, 2004, 108, 969-981.	1.8	65
44	Large-scale identification of polymorphic microsatellites using an in silico approach. BMC Bioinformatics, 2008, 9, 374.	1.2	65
45	Direct comparison of levels of genetic variation in tomato detected by a GACA-containing microsatellite probe and by random amplified polymorphic DNA. Genome, 1994, 37, 375-381.	0.9	64
46	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
47	Natural hybridisation between Populus nigra L. and P. x canadensis Moench. Hybrid offspring competes for niches along the Rhine river in the Netherlands. Tree Genetics and Genomes, 2008, 4, 663-675.	0.6	62
48	Cloning and characterization of four apple MADS box genes isolated from vegetative tissue. Journal of Experimental Botany, 2002, 53, 1025-1036.	2.4	61
49	Unique genomic configuration revealed by microsatellite DNA in polyploid dogroses, Rosa sect. Caninae. Journal of Evolutionary Biology, 2006, 19, 635-648.	0.8	59
50	Darwin's wind hypothesis: does it work for plant dispersal in fragmented habitats?. New Phytologist, 2009, 183, 667-677.	3.5	59
51	Title is missing!. Conservation Genetics, 2003, 4, 441-451.	0.8	54
52	Construction of an integrated microsatellite and key morphological characteristic database of potato varieties on the EU common catalogue. Euphytica, 2011, 182, 239.	0.6	53
53	Development and mapping of a public reference set of SSR markers in Lolium perenne L.. Molecular Ecology Notes, 2005, 5, 951-957.	1.7	52
54	AFLP analysis reveals a lack of phylogenetic structure within Solanum section Petota. BMC Evolutionary Biology, 2008, 8, 145.	3.2	52

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55	A pipeline for high throughput detection and mapping of SNPs from EST databases. Molecular Breeding, 2010, 26, 65-75.	1.0	51
56	Characterisation of sugar beet (Beta vulgaris L. ssp. vulgaris) varieties using microsatellite markers. BMC Genetics, 2010, 11, 41.	2.7	51
57	In vitro screening and QTL analysis for drought tolerance in diploid potato. Euphytica, 2011, 181, 357-369.	0.6	51
58	A novel approach to locate Phytophthora infestans resistance genes on the potato genetic map. Theoretical and Applied Genetics, 2010, 120, 785-796.	1.8	49
59	Genetic differentiation and trade among populations of peach palm (Bactris gasipaes Kunth) in the Peruvian Amazonâ€"implications for genetic resource management. Theoretical and Applied Genetics, 2004, 108, 1564-1573.	1.8	46
60	The distribution of genetic diversity in a Brassica oleracea gene bank collection related to the effects on diversity of regeneration, as measured with AFLPs. Theoretical and Applied Genetics, 2007, 114, 777-786.	1.8	46
61	Screening of pepper accessions for resistance against two thrips species (Frankliniella occidentalis) Tj ETQq1 1 0.784314 rgBT /Overlo	0.6	46
62	Reduced phloem uptake of Myzus persicae on an aphid resistant pepper accession. BMC Plant Biology, 2018, 18, 138.	1.6	46
63	Microsatellite markers for the European tree frogHyla arborea. Molecular Ecology, 2000, 9, 1944-1946.	2.0	45
64	Differences in insect resistance between tomato species endemic to the Galapagos Islands. BMC Evolutionary Biology, 2013, 13, 175.	3.2	45
65	Molecular characterization of GATA/GACA microsatellite repeats in tomato. Genome, 1997, 40, 25-33.	0.9	43
66	Assessment of the uniformity of wheat and tomato varieties at DNA microsatellite loci. Euphytica, 2003, 132, 331-341.	0.6	43
67	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
68	Pollinating fig waSPS: genetic consequences of island recolonization. Journal of Evolutionary Biology, 2005, 18, 1234-1243.	0.8	40
69	Linked vs. unlinked markers: multilocus microsatellite haplotype-sharing as a tool to estimate gene flow and introgression. Molecular Ecology, 2006, 16, 243-256.	2.0	40
70	Parasitism overrides herbivore identity allowing hyperparasitoids to locate their parasitoid host using herbivoreâ€induced plant volatiles. Molecular Ecology, 2015, 24, 2886-2899.	2.0	40
71	SNP-markers in Allium species to facilitate introgression breeding in onion. BMC Plant Biology, 2016, 16, 187.	1.6	40
72	Broad spectrum insect resistance and metabolites in close relatives of the cultivated tomato. Euphytica, 2018, 214, 46.	0.6	40

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73	Plant translational genomics: from model species to crops. Molecular Breeding, 2007, 20, 1-13.	1.0	39
74	Genetic mapping and annotation of genomic microsatellites isolated from globe artichoke. Theoretical and Applied Genetics, 2009, 118, 1573-1587.	1.8	38
75	SolRgene: an online database to explore disease resistance genes in tuber-bearing Solanum species. BMC Plant Biology, 2011, 11, 116.	1.6	38
76	What's in a name; Genetic structure in Solanum section Petota studied using population-genetic tools. BMC Evolutionary Biology, 2011, 11, 42.	3.2	38
77	Resistance factors in pepper inhibit larval development of thrips (<scp>F</scp>rankliniella) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.7	38
78	The establishment of â€˜essential derivationâ€™ among rose varieties, using AFLP. Theoretical and Applied Genetics, 2004, 109, 1718-1725.	1.8	37
79	HaploSNPer: a web-based allele and SNP detection tool. BMC Genetics, 2008, 9, 23.	2.7	37
80	QTL mapping of insect resistance components of Solanum galapagense. Theoretical and Applied Genetics, 2019, 132, 531-541.	1.8	37
81	Genetic Diversity and the Reintroduction of Meadow Species. Plant Biology, 2000, 2, 447-454.	1.8	34
82	Development and characterization of microsatellite markers for two dioecious Ficus species. Molecular Ecology Notes, 2005, 5, 355-357.	1.7	34
83	Identification of silverleaf whitefly resistance in pepper. Plant Breeding, 2011, 130, 708-714.	1.0	34
84	Characterization of transformation-deficient mutants of Acinetobacter calcoaceticus. Molecular Microbiology, 1992, 6, 1747-1754.	1.2	33
85	Managing the Colorado potato beetle; the need for resistance breeding. Euphytica, 2015, 204, 487-501.	0.6	32
86	Defence against vertebrate herbivores trades off into architectural and low nutrient strategies amongst savanna Fabaceae species. Oikos, 2016, 125, 126-136.	1.2	32
87	Insights from the first genome assembly of Onion (Allium cepa). G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	32
88	Cloning in Escherichia coli of the gene specifying the DNA-entry nuclease of Bacillus subtilis. Gene, 1987, 52, 175-183.	1.0	31
89	Large subclonal variation in <scp>P</scp>hytophthora infestans populations associated with <scp>E</scp>cuadorian potato landraces. Plant Pathology, 2013, 62, 1081-1088.	1.2	31
90	Transcriptional responses of Brassica nigra to feeding by specialist insects of different feeding guilds. Insect Science, 2011, 18, 259-272.	1.5	30

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91	Comparative analysis of Solanum stoloniferum responses to probing by the green peach aphid Myzus persicae and the potato aphid Macrosiphum euphorbiae. Insect Science, 2013, 20, 207-227.	1.5	30
92	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
93	QualitySNPng: a user-friendly SNP detection and visualization tool. Nucleic Acids Research, 2013, 41, W587-W590.	6.5	28
94	Microsatellite genotyping of carnation varieties. Theoretical and Applied Genetics, 2003, 106, 1191-1195.	1.8	26
95	Past and current gene flow in the selfing, wind-dispersed species Mycelis muralis in western Europe. Molecular Ecology, 2004, 13, 1391-1407.	2.0	26
96	Integration of vector-containing Bacillus subtilis chromosomal DNA by a Campbell-like mechanism. Molecular Genetics and Genomics, 1986, 204, 524-531.	2.4	25
97	Overexpression of IRM1 Enhances Resistance to Aphids in Arabidopsis thaliana. PLoS ONE, 2013, 8, e70914.	1.1	24
98	Microsatellite Markers in and around Rice Genes: Applications in Variety Identification and DUS Testing. Crop Science, 2009, 49, 880-886.	0.8	23
99	High throughput phenotyping for aphid resistance in large plant collections. Plant Methods, 2012, 8, 33.	1.9	23
100	Phloemâ€specific resistance in Brassica oleracea against the whitefly Aleyrodes proletella. Entomologia Experimentalis Et Applicata, 2012, 142, 153-164.	0.7	23
101	Molecular cloning and functional characterization of a recA analog from Pseudomonas stutzeri and construction of a P. stutzeri recA mutant. Antonie Van Leeuwenhoek, 1991, 59, 115-123.	0.7	21
102	Host plant resistance towards the cabbage whitefly in Brassica oleracea and its wild relatives. Euphytica, 2015, 202, 297-306.	0.6	21
103	Development of microsatellite markers for identifying Brazilian Coffea arabica varieties. Genetics and Molecular Biology, 2010, 33, 507-514.	0.6	20
104	QTL mapping of thrips resistance in pepper. Theoretical and Applied Genetics, 2015, 128, 1945-1956.	1.8	20
105	Quantitative resistance against Bemisia tabaci in Solanum pennellii: Genetics and metabolomics. Journal of Integrative Plant Biology, 2016, 58, 397-412.	4.1	19
106	Antibiosis resistance against larval cabbage root fly, Delia radicum, in wild Brassica-species. Euphytica, 2016, 211, 139-155.	0.6	18
107	Genetic variation in phytochemicals in leaves of pepper (Capsicum) in relation to thrips resistance. Arthropod-Plant Interactions, 2019, 13, 1-9.	0.5	18
108	Normal adult survival but reduced Bemisia tabaci oviposition rate on tomato lines carrying an introgression from S. habrochaites. BMC Genetics, 2014, 15, 142.	2.7	17

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109	Heterogeneity of the internal transcribed spacer 1 (ITS1) inTulipa (Liliaceae). Plant Systematics and Evolution, 2000, 225, 29-41.	0.3	16
110	A gene of Acinetobacter calcoaceticus BD413 encodes a periplasmic peptidyl-prolyl cis-trans isomerase of the cyclophilin sub-class that is not essential for growth. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1994, 1219, 601-606.	2.4	15
111	Genetic Structure in Populations of an Ancient Woodland Sedge, Carex sylvatica Hudson, at a Regional and Local Scale. Plant Biology, 2005, 7, 387-396.	1.8	15
112	Aphid resistance in Capsicum maps to a locus containing LRR-RLK gene analogues. Theoretical and Applied Genetics, 2020, 133, 227-237.	1.8	15
113	Reconstruction of fig wasp mating structure: how many mothers share a fig?. Ecological Entomology, 2007, 32, 485-491.	1.1	14
114	Assignment Tests for Variety Identification Compared to Genetic Similarityâ€Based Methods Using Experimental Datasets from Different Marker Systems in Sugar Beet. Crop Science, 2007, 47, 1964-1974.	0.8	14
115	Potato Cultivar Genome Analysis. Methods in Molecular Biology, 2009, 508, 295-308.	0.4	14
116	Microsatellite retrieval in lettuce (Lactuca sativa L.). Genome, 1999, 42, 139-149.	0.9	14
117	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
118	Microsatellite markers useful throughout the genus Dianthus. Genome, 2000, 43, 208-210.	0.9	13
119	The utility of NBS profiling for plant systematics: a first study in tuber-bearing Solanum species. Plant Systematics and Evolution, 2008, 276, 137-148.	0.3	12
120	Nutrients, technological properties and genetic relationships among twenty cowpea landraces cultivated in West Africa. International Journal of Food Science and Technology, 2012, 47, 2636-2647.	1.3	12
121	Constitutive overexpression of the pollen specific gene SKS13 in leaves reduces aphid performance on Arabidopsis thaliana. BMC Plant Biology, 2014, 14, 217.	1.6	10
122	Aphid populations showing differential levels of virulence on Capsicum accessions. Insect Science, 2020, 27, 336-348.	1.5	10
123	The ability to manipulate ROS metabolism in pepper may affect aphid virulence. Horticulture Research, 2020, 7, 6.	2.9	10
124	Mining the Genus Solanum for Increasing Disease Resistance. , 2014, , 27-46.		10
125	The effect of plant development on thrips resistance in Capsicum. Arthropod-Plant Interactions, 2019, 13, 11-18.	0.5	9
126	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

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127	Response of Solanum tuberosum to Myzus persicae infestation at different stages of foliage maturity. Insect Science, 2014, 21, 727-740.	1.5	8
128	A novel non-trichome based whitefly resistance QTL in Solanum galapagense. Euphytica, 2021, 217, 1.	0.6	7
129	WRKY Gene Family Drives Dormancy Release in Onion Bulbs. Cells, 2022, 11, 1100.	1.8	6
130	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
131	The effect of a thrips resistance QTL in different Capsicum backgrounds. Euphytica, 2020, 216, 1.	0.6	3
132	Regulation of the expression of thePseudomonas stutzeri recA gene. Antonie Van Leeuwenhoek, 1993, 63, 55-62.	0.7	2
133	Increased stability of recombinant plasmids by Tn1000 insertion in chemostat cultures of recombinantEscherichia coli GT123. Current Microbiology, 1993, 26, 281-286.	1.0	2