Hans de Jong

List of Publications by Year
in descending order

51 papers	2,505 citations	218677 26 h-index	206112 48 g-index
68 all docs	68 docs citations	68 times ranked	3079 citing authors

#	Article	IF	Citations
1	Exploring genetic variation in the tomato (Solanum section Lycopersicon) clade by wholeâ€genome sequencing. Plant Journal, 2014, 80, 136-148.	5.7	397
2	DELAY OF GERMINATION 1 mediates a conserved coat-dormancy mechanism for the temperature- and gibberellin-dependent control of seed germination. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3571-80.	7.1	175
3	Managing meiotic recombination in plant breeding. Trends in Plant Science, 2008, 13, 640-646.	8.8	132
4	Characterization of the centromere and periâ€centromere retrotransposons inBrassica rapaand their distribution in relatedBrassicaspecies. Plant Journal, 2007, 49, 173-183.	5.7	116
5	FISH studies reveal the molecular and chromosomal organization of individual telomere domains in tomato. Plant Journal, 1998, 13, 507-517.	5.7	97
6	Chromosomal rearrangements between tomato and Solanum chilense hamper mapping and breeding of the TYLCV resistance gene Tyâ€1. Plant Journal, 2011, 68, 1093-1103.	5.7	96
7	Fine mapping of the tomato yellow leaf curl virus resistance gene Ty-2 on chromosome 11 of tomato. Molecular Breeding, 2014, 34, 749-760.	2.1	95
8	Molecular cytogenetics and DNA sequence analysis of an apomixis-linked BAC in Paspalum simplex reveal a non pericentromere location and partial microcolinearity with rice. Theoretical and Applied Genetics, 2006, 112, 1179-1191.	3.6	90
9	From nucleosome to chromosome: a dynamic organization of genetic information. Plant Journal, 2011, 66, 4-17.	5.7	83
10	Highâ€resolution chromosome mapping of BACs using multiâ€colour FISH and pooledâ€BAC FISH as a backbone for sequencing tomato chromosomeâ€ƒ6. Plant Journal, 2008, 56, 627-637.	5.7	82
11	FluorescenceIn SituHybridization and Optical Mapping to Correct Scaffold Arrangement in the Tomato Genome. G3: Genes, Genomes, Genetics, 2014, 4, 1395-1405.	1.8	81
12	Molecular, genetic and evolutionary analysis of a paracentric inversion in Arabidopsis thaliana. Plant Journal, 2016, 88, 159-178.	5.7	81
13	Cross-Species Bacterial Artificial Chromosomeâ€“Fluorescence in Situ Hybridization Painting of the Tomato and Potato Chromosome 6 Reveals Undescribed Chromosomal Rearrangements. Genetics, 2008, 180, 1319-1328.	2.9	78
14	A Snapshot of the Emerging Tomato Genome Sequence. Plant Genome, 2009, 2, .	2.8	73
15	Characterization of rDNAs and tandem repeats in the heterochromatin of Brassica rapa. Molecules and Cells, 2005, 19, 436-44.	2.6	70
16	FISH mapping and molecular organization of the major repetitive sequences of tomato. Chromosome Research, 2008, 16, 919-933.	2.2	69
17	Cytogenetic tools for Arabidopsis thaliana. Chromosome Research, 2003, 11, 183-194.	2.2	64
18	Chromosome evolution in Solanum traced by crossâ€species BACâ€FISH. New Phytologist, 2012, 195, 688-698.	7.3	64

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19	Assignment of genetic linkage maps to diploid Solanum tuberosum pachytene chromosomes by BAC-FISH technology. Chromosome Research, 2009, 17, 899-915.	2.2	44
20	Karyotype evolution in apomictic Boechera and the origin of the aberrant chromosomes. Plant Journal, 2015, 82, 785-793.	5.7	42
21	Structural homology in the Solanaceae: analysis of genomic regions in support of synteny studies in tomato, potato and pepper. Plant Journal, 2012, 71, 602-614.	5.7	40
22	NOR activity and repeat sequences of the paternal sex ratio chromosome of the parasitoid wasp Trichogramma kaykai. Chromosoma, 2005, 114, 410-419.	2.2	39
23	Hybrid recreation by reverse breeding in Arabidopsis thaliana. Nature Protocols, 2014, 9, 761-772.	12.0	37
24	Comparative analysis of repetitive sequences among species from the potato and the tomato clades. Annals of Botany, 2019, 123, 521-532.	2.9	36
25	Genetic mapping of Fusarium wilt resistance in a wild banana Musa acuminata ssp. malaccensis accession. Theoretical and Applied Genetics, 2020, 133, 3409-3418.	3.6	35
26	Visualizing DNA domains and sequences by microscopy: a fifty-year history of molecular cytogenetics. Genome, 2003, 46, 943-946.	2.0	30
27	The potential of high-resolution BAC-FISH in banana breeding. Euphytica, 2009, 166, 431-443.	1.2	25
28	Map- vs. homology-based cloning for the recessive gene ol-2 conferring resistance to tomato powdery mildew. Euphytica, 2008, 162, 91-98.	1.2	24
29	Pairing analysis and in situ Hybridisation reveal autopolyploid-like behaviour in Solanum commersoniiÂÃ—Â S. tuberosum (potato) interspecific hybrids. Euphytica, 2017, 213, 1.	1.2	19
30	Introgression browser: highâ€throughput wholeâ€genome <scp>SNP</scp> visualization. Plant Journal, 2015, 82, 174-182.	5.7	17
31	Chromosomal organizations of major repeat families on potato (Solanum tuberosum) and further exploring in its sequenced genome. Molecular Genetics and Genomics, 2014, 289, 1307-1319.	2.1	16
32	Homologues of potato chromosome 5 show variable collinearity in the euchromatin, but dramatic absence of sequence similarity in the pericentromeric heterochromatin. BMC Genomics, 2015, 16, 374.	2.8	15
33	Genetic Dissection of Morphometric Traits Reveals That Phytochrome B Affects Nucleus Size and Heterochromatin Organization inArabidopsis thaliana. G3: Genes, Genomes, Genetics, 2017, 7, 2519-2531.	1.8	14
34	Meiotic recombination profiling of interspecific hybrid F1 tomato pollen by linked read sequencing. Plant Journal, 2020, 102, 480-492.	5.7	14
35	Introgressive Hybridization in Potato Revealed by Novel Cytogenetic and Genomic Technologies. American Journal of Potato Research, 2018, 95, 607-621.	0.9	13
36	Epigenetic changes and transposon reactivation in Thai rice hybrids. Molecular Breeding, 2013, 31, 815-827.	2.1	12

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37	Cnidaria: fast, reference-free clustering of raw and assembled genome and transcriptome NGS data. BMC Bioinformatics, 2015, 16, 352.	2.6	11
38	Collinearity between potato (Solanum tuberosum L.) and wild relatives assessed by comparative cytogenetic mapping. Genome, 2017, 60, 228-240.	2.0	11
39	Meiotic analysis and FISH with rDNA and rice BAC probes of the Thai KPS 01-01-25 sugarcane cultivar. Plant Systematics and Evolution, 2016, 302, 305-317.	0.9	10
40	A new wholeâ€mount DNA quantification method and the analysis of nuclear DNA content in the stemâ€cell niche of Arabidopsis roots. Plant Journal, 2008, 55, 886-894.	5.7	8
41	Comparison of the chromosome maps around a resistance hot spot on chromosome 5 of potato and tomato using BAC-FISH painting. Genome, 2010, 53, 103-110.	2.0	7
42	Male meiosis and pollen morphology in diploid Indonesian wild bananas and cultivars. Nucleus (India), 2021, 64, 181-191.	2.2	7
43	2D morphometric analysis of Arabidopsis thaliana nuclei reveals characteristic profiles of different cell types and accessions. Chromosome Research, 2022, 30, 5-24.	2.2	7
44	Optimization of Cell Spreading and Image Quality for the Study of Chromosomes in Plant Tissues. Methods in Molecular Biology, 2017, 1669, 141-158.	0.9	6
45	Meiotic crossover reduction by virusâ€induced gene silencing enables the efficient generation of chromosome substitution lines and reverse breeding in Arabidopsis thaliana. Plant Journal, 2020, 104, 1437-1452.	5.7	6
46	Two reported cytotypes of the emergent orchid model species Erycina pusilla are two different species. Euphytica, 2017, 213, 1.	1.2	4
47	Use of the SSLP-based method for detection of rare apomictic events in a sexual AtSERK1 transgenic Arabidopsis population. Sexual Plant Reproduction, 2006, 19, 73-82.	2.2	3
48	Intact DNA purified from flow-sorted nuclei unlocks the potential of next-generation genome mapping and assembly in Solanum species. MethodsX, 2018, 5, 328-336.	1.6	3
49	Is partial desynapsis in cauliflower (Brassica oleracea L. var. botrytis) pollen mother cells linked to aneuploidy in the crop?. Euphytica, 2022, 218, .	1.2	2
50	Cytogenetics of structural rearrangements in Musa hybrids and cultivars. Burleigh Dodds Series in Agricultural Science, 2020, , 31-58.	0.2	1
51	Fluorescence In Situ Hybridization on Medicago truncatula Chromosomes. , 2008, , 371-383.		0