

# Hans de Jong

## List of Publications by Year in descending order

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51  
papers

2,505  
citations

218592

26  
h-index

206029

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 ( <i>Solanum</i> section <i>Lycopersicon</i> ) clade by whole-genome sequencing. <i>Plant Journal</i> , 2014, 80, 136-148.	2.8	397
2	<i>DELAY OF GERMINATION 1</i> mediates a conserved coat-dormancy mechanism for the temperature- and gibberellin-dependent control of seed germination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3571-80.	3.3	175
3	Managing meiotic recombination in plant breeding. <i>Trends in Plant Science</i> , 2008, 13, 640-646.	4.3	132
4	Characterization of the centromere and peri-centromere retrotransposons in <i>Brassica rapa</i> and their distribution in related <i>Brassica</i> species. <i>Plant Journal</i> , 2007, 49, 173-183.	2.8	116
5	FISH studies reveal the molecular and chromosomal organization of individual telomere domains in tomato. <i>Plant Journal</i> , 1998, 13, 507-517.	2.8	97
6	Chromosomal rearrangements between tomato and <i>Solanum chilense</i> hamper mapping and breeding of the TYLCV resistance gene <i>Ty-1</i> . <i>Plant Journal</i> , 2011, 68, 1093-1103.	2.8	96
7	Fine mapping of the tomato yellow leaf curl virus resistance gene <i>Ty-2</i> on chromosome 11 of tomato. <i>Molecular Breeding</i> , 2014, 34, 749-760.	1.0	95
8	Molecular cytogenetics and DNA sequence analysis of an apomixis-linked BAC in <i>Paspalum simplex</i> reveal a non pericentromere location and partial microcolinearity with rice. <i>Theoretical and Applied Genetics</i> , 2006, 112, 1179-1191.	1.8	90
9	From nucleosome to chromosome: a dynamic organization of genetic information. <i>Plant Journal</i> , 2011, 66, 4-17.	2.8	83
10	High-resolution chromosome mapping of BACs using multi-colour FISH and pooled BAC FISH as a backbone for sequencing tomato chromosome 6. <i>Plant Journal</i> , 2008, 56, 627-637.	2.8	82
11	Fluorescence <i>In Situ</i> Hybridization and Optical Mapping to Correct Scaffold Arrangement in the Tomato Genome. <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 1395-1405.	0.8	81
12	Molecular, genetic and evolutionary analysis of a paracentric inversion in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2016, 88, 159-178.	2.8	81
13	Cross-Species Bacterial Artificial Chromosome Fluorescence in Situ Hybridization Painting of the Tomato and Potato Chromosome 6 Reveals Undescribed Chromosomal Rearrangements. <i>Genetics</i> , 2008, 180, 1319-1328.	1.2	78
14	A Snapshot of the Emerging Tomato Genome Sequence. <i>Plant Genome</i> , 2009, 2, .	1.6	73
15	Characterization of rDNAs and tandem repeats in the heterochromatin of <i>Brassica rapa</i> . <i>Molecules and Cells</i> , 2005, 19, 436-44.	1.0	70
16	FISH mapping and molecular organization of the major repetitive sequences of tomato. <i>Chromosome Research</i> , 2008, 16, 919-933.	1.0	69
17	Cytogenetic tools for <i>Arabidopsis thaliana</i> . <i>Chromosome Research</i> , 2003, 11, 183-194.	1.0	64
18	Chromosome evolution in <i>Solanum</i> traced by cross-species BAC-FISH. <i>New Phytologist</i> , 2012, 195, 688-698.	3.5	64

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19	Assignment of genetic linkage maps to diploid <i>Solanum tuberosum</i> pachytene chromosomes by BAC-FISH technology. <i>Chromosome Research</i> , 2009, 17, 899-915.	1.0	44
20	Karyotype evolution in apomictic <i>Boechera</i> and the origin of the aberrant chromosomes. <i>Plant Journal</i> , 2015, 82, 785-793.	2.8	42
21	Structural homology in the Solanaceae: analysis of genomic regions in support of synteny studies in tomato, potato and pepper. <i>Plant Journal</i> , 2012, 71, 602-614.	2.8	40
22	NOR activity and repeat sequences of the paternal sex ratio chromosome of the parasitoid wasp <i>Trichogramma kaykai</i> . <i>Chromosoma</i> , 2005, 114, 410-419.	1.0	39
23	Hybrid recreation by reverse breeding in <i>Arabidopsis thaliana</i> . <i>Nature Protocols</i> , 2014, 9, 761-772.	5.5	37
24	Comparative analysis of repetitive sequences among species from the potato and the tomato clades. <i>Annals of Botany</i> , 2019, 123, 521-532.	1.4	36
25	Genetic mapping of Fusarium wilt resistance in a wild banana <i>Musa acuminata</i> ssp. <i>malaccensis</i> accession. <i>Theoretical and Applied Genetics</i> , 2020, 133, 3409-3418.	1.8	35
26	Visualizing DNA domains and sequences by microscopy: a fifty-year history of molecular cytogenetics. <i>Genome</i> , 2003, 46, 943-946.	0.9	30
27	The potential of high-resolution BAC-FISH in banana breeding. <i>Euphytica</i> , 2009, 166, 431-443.	0.6	25
28	Map- vs. homology-based cloning for the recessive gene <i>ol-2</i> conferring resistance to tomato powdery mildew. <i>Euphytica</i> , 2008, 162, 91-98.	0.6	24
29	Pairing analysis and in situ Hybridisation reveal autopolyploid-like behaviour in <i>Solanum commersonii</i> – <i>S. tuberosum</i> (potato) interspecific hybrids. <i>Euphytica</i> , 2017, 213, 1.	0.6	19
30	Introgression browser: high-throughput whole-genome SNP visualization. <i>Plant Journal</i> , 2015, 82, 174-182.	2.8	17
31	Chromosomal organizations of major repeat families on potato ( <i>Solanum tuberosum</i> ) and further exploring in its sequenced genome. <i>Molecular Genetics and Genomics</i> , 2014, 289, 1307-1319.	1.0	16
32	Homologues of potato chromosome 5 show variable collinearity in the euchromatin, but dramatic absence of sequence similarity in the pericentromeric heterochromatin. <i>BMC Genomics</i> , 2015, 16, 374.	1.2	15
33	Genetic Dissection of Morphometric Traits Reveals That Phytochrome B Affects Nucleus Size and Heterochromatin Organization in <i>Arabidopsis thaliana</i> . <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 2519-2531.	0.8	14
34	Meiotic recombination profiling of interspecific hybrid F1 tomato pollen by linked read sequencing. <i>Plant Journal</i> , 2020, 102, 480-492.	2.8	14
35	Introgressive Hybridization in Potato Revealed by Novel Cytogenetic and Genomic Technologies. <i>American Journal of Potato Research</i> , 2018, 95, 607-621.	0.5	13
36	Epigenetic changes and transposon reactivation in Thai rice hybrids. <i>Molecular Breeding</i> , 2013, 31, 815-827.	1.0	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.	1.2	11
38	Collinearity between potato ( <i>Solanum tuberosum</i> L.) and wild relatives assessed by comparative cytogenetic mapping. Genome, 2017, 60, 228-240.	0.9	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.	0.3	10
40	A new whole-mount DNA quantification method and the analysis of nuclear DNA content in the stem cell niche of <i>Arabidopsis</i> roots. Plant Journal, 2008, 55, 886-894.	2.8	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.	0.9	7
42	Male meiosis and pollen morphology in diploid Indonesian wild bananas and cultivars. Nucleus (India), 2021, 64, 181-191.	0.9	7
43	2D morphometric analysis of <i>Arabidopsis thaliana</i> nuclei reveals characteristic profiles of different cell types and accessions. Chromosome Research, 2022, 30, 5-24.	1.0	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.	0.4	6
45	Meiotic crossover reduction by virus-induced gene silencing enables the efficient generation of chromosome substitution lines and reverse breeding in <i>Arabidopsis thaliana</i> . Plant Journal, 2020, 104, 1437-1452.	2.8	6
46	Two reported cytotypes of the emergent orchid model species <i>Erycina pusilla</i> are two different species. Euphytica, 2017, 213, 1.	0.6	4
47	Use of the SSLP-based method for detection of rare apomictic events in a sexual <i>AtSERK1</i> transgenic <i>Arabidopsis</i> 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 <i>Solanum</i> species. MethodsX, 2018, 5, 328-336.	0.7	3
49	Is partial desynapsis in cauliflower ( <i>Brassica oleracea</i> L. var. botrytis) pollen mother cells linked to aneuploidy in the crop?. Euphytica, 2022, 218, .	0.6	2
50	Cytogenetics of structural rearrangements in <i>Musa</i> hybrids and cultivars. Burleigh Dodds Series in Agricultural Science, 2020, , 31-58.	0.1	1
51	Fluorescence In Situ Hybridization on <i>Medicago truncatula</i> Chromosomes. , 2008, , 371-383.		0