

Jaap M Van Tuyl

List of Publications by Year in descending order

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76
papers

2,280
citations

186265

28
h-index

243625

44
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77
all docs

77
docs citations

77
times ranked

911
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of in vitro pollination, ovary culture, ovule culture and embryo rescue for overcoming incongruity barriers in interspecific <i>Lilium</i> crosses. <i>Plant Science</i> , 1991, 74, 115-126.	3.6	202
2	Indeterminate meiotic restitution (IMR): a novel type of meiotic nuclear restitution mechanism detected in interspecific lily hybrids by GISH. <i>Theoretical and Applied Genetics</i> , 2001, 103, 219-230.	3.6	109
3	Introgression of <i>Lilium rubellum</i> Baker chromosomes into <i>L. longiflorum</i> Thunb.: a genome painting study of the F1 hybrid, BC1 and BC2 progenies. <i>Chromosome Research</i> , 2000, 8, 119-125.	2.2	82
4	Use of 2n gametes for the production of sexual polyploids from sterile Oriental $\tilde{\text{A}}$ – Asiatic hybrids of lilies (<i>Lilium</i>). <i>Theoretical and Applied Genetics</i> , 2004, 109, 1125-1132.	3.6	77
5	Karyotype analysis of <i>Lilium longiflorum</i> and <i>Lilium rubellum</i> by chromosome banding and fluorescence in situ hybridisation. <i>Genome</i> , 2001, 44, 911-918.	2.0	72
6	THE USE OF ORYZALIN AS AN ALTERNATIVE FOR COLCHICINE IN IN-VITRO CHROMOSOME DOUBLING OF LILIUM AND NERINE. <i>Acta Horticulturae</i> , 1992, , 625-630.	0.2	70
7	Genome composition of triploid lily cultivars derived from sexual polyploidization of <i>Lilium</i> Asiatic hybrids (<i>Lilium</i>). <i>Euphytica</i> , 2008, 160, 207-215.	1.2	64
8	Generation and analysis of expressed sequence tags in the extreme large genomes <i>Lilium</i> and <i>Tulipa</i> . <i>BMC Genomics</i> , 2012, 13, 640.	2.8	62
9	Identification of 2n-pollen producing interspecific hybrids of <i>Lilium</i> using flow cytometry.. <i>Cytologia</i> , 1989, 54, 737-745.	0.6	58
10	Somatic embryogenesis and plant regeneration in <i>Lilium longiflorum</i> Thunb. <i>Plant Cell Reports</i> , 1997, 17, 113-118.	5.6	58
11	Intergenomic recombination in F ₁ lily hybrids (<i>Lilium</i>) and its significance for genetic variation in the BC ₁ progenies as revealed by GISH and FISH. <i>Genome</i> , 2005, 48, 884-894.	2.0	57
12	Biotechnological advances in <i>Lilium</i> . <i>Plant Cell Reports</i> , 2016, 35, 1799-1826.	5.6	55
13	Genetic mapping in <i>Lilium</i> : mapping of major genes and quantitative trait loci for several ornamental traits and disease resistances. <i>Plant Breeding</i> , 2011, 130, 372-382.	1.9	51
14	Postharvest flower development in Asiatic hybrid lilies as related to tepal carbohydrate status. <i>Postharvest Biology and Technology</i> , 2001, 21, 201-211.	6.0	47
15	Ectopic expression of LLAG1, an AGAMOUS homologue from lily (<i>Lilium longiflorum</i> Thunb.) causes floral homeotic modifications in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2004, 55, 1391-1399.	4.8	47
16	Occurrence of 2n gametes in the F1 hybrids of Oriental $\tilde{\text{A}}$ – Asiatic lilies (<i>Lilium</i>): Relevance to intergenomic recombination and backcrossing. <i>Euphytica</i> , 2005, 143, 67-73.	1.2	46
17	Progenies of allotriploids of Oriental $\tilde{\text{A}}$ – Asiatic lilies (<i>Lilium</i>) examined by GISH analysis. <i>Euphytica</i> , 2006, 151, 243-250.	1.2	43
18	Pollen and pollination experiments. VII. The effect of pollen treatment and application method on incompatibility and incongruity in <i>Lilium</i> . <i>Euphytica</i> , 1982, 31, 613-619.	1.2	41

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19	Analysis of the meiosis in the F1 hybrids of Longiflorum $\tilde{\text{A}}$ – Asiatic (LA) of lilies (<i>Lilium</i>) using genomic in situ hybridization. <i>Journal of Genetics and Genomics</i> , 2008, 35, 687-695.	3.9	41
20	Production of Polyploids and Unreduced Gametes in <i>Lilium auratum</i> $\tilde{\text{A}}$ – <i>L. henryi</i> Hybrid. <i>International Journal of Biological Sciences</i> , 2013, 9, 693-701.	6.4	41
21	Potential for analytic breeding in allopolyploids: an illustration from Longiflorum $\tilde{\text{A}}$ – $\tilde{\text{A}}$ Asiatic hybrid lilies (<i>Lilium</i>). <i>Euphytica</i> , 2009, 166, 399-409.	1.2	40
22	Effect of three pollination methods on embryo development and seedset in intra- and interspecific crosses between seven <i>Lilium</i> species. <i>Sexual Plant Reproduction</i> , 1988, 1, 119-123.	2.2	39
23	Nitrous oxide (N ₂ O) induces 2n gametes in sterile F1 hybrids between Oriental $\tilde{\text{A}}$ – Asiatic lily (<i>Lilium</i>) hybrids and leads to intergenomic recombination. <i>Euphytica</i> , 2006, 148, 303-309.	1.2	39
24	Karyotype analysis of <i>Lilium longiflorum</i> and <i>Lilium rubellum</i> by chromosome banding and fluorescence in situ hybridisation. <i>Genome</i> , 2001, 44, 911-918.	2.0	38
25	Interspecific crosses in the genus <i>Tulipa</i> L.: identification of pre-fertilization barriers. <i>Sexual Plant Reproduction</i> , 1997, 10, 116-123.	2.2	34
26	Occurrence of SDR 2N-gametes in <i>Lilium</i> Hybrids. <i>Breeding Science</i> , 2004, 54, 13-18.	1.9	33
27	Relevance of unilateral and bilateral sexual polyploidization in relation to intergenomic recombination and introgression in <i>Lilium</i> species hybrids. <i>Euphytica</i> , 2010, 171, 157-173.	1.2	33
28	Pistil Exudate Production and Pollen Tube Growth in <i>Lilium longiflorum</i> Thunb.. <i>Annals of Botany</i> , 1994, 73, 437-446.	2.9	29
29	Title is missing!. <i>Plant Cell, Tissue and Organ Culture</i> , 1997, 49, 81-87.	2.3	26
30	Lack of cross resistance to benomyl and thiabendazole in some strains of <i>Aspergillus nidulans</i> . <i>European Journal of Plant Pathology</i> , 1974, 80, 165-168.	0.5	25
31	Title is missing!. <i>European Journal of Plant Pathology</i> , 2002, 108, 565-571.	1.7	25
32	Construction of chromosomal recombination maps of three genomes of lilies (<i>Lilium</i>) based on GISH analysis. <i>Genome</i> , 2009, 52, 238-251.	2.0	25
33	SNP markers retrieval for a non-model species: a practical approach. <i>BMC Research Notes</i> , 2012, 5, 79.	1.4	25
34	Ploidy manipulation and introgression breeding in Darwin hybrid tulips. <i>Euphytica</i> , 2014, 198, 389-400.	1.2	25
35	Resistance to triforine: A nonexistent problem?. <i>European Journal of Plant Pathology</i> , 1977, 83, 189-205.	0.5	24
36	Genetic variation in <i>Zantedeschia</i> spp. (Araceae) for resistance to soft rot caused by <i>Erwinia carotovora</i> subsp. <i>carotovora</i> . <i>Euphytica</i> , 2004, 135, 119-128.	1.2	24

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37	An assessment of chromosomal rearrangements in neopolyploids of <i>Lilium</i> hybrids. <i>Genome</i> , 2010, 53, 439-446.	2.0	23
38	Transcriptome Analysis of <i>Gerbera hybrida</i> Including in silico Confirmation of Defense Genes Found. <i>Frontiers in Plant Science</i> , 2016, 7, 247.	3.6	23
39	Genetic aspects of resistance to imazalil in <i>Aspergillus nidulans</i> . <i>European Journal of Plant Pathology</i> , 1977, 83, 169-176.	0.5	22
40	Genetic diversity and structure in a collection of tulip cultivars assessed by SNP markers. <i>Scientia Horticulturae</i> , 2013, 161, 286-292.	3.6	21
41	Genetic mapping and QTL analysis of <i>Botrytis</i> resistance in <i>Gerbera hybrida</i> . <i>Molecular Breeding</i> , 2017, 37, 13.	2.1	21
42	Genetic control of resistance to soft rot caused by <i>Erwinia carotovora</i> subsp. <i>carotovora</i> in <i>Zantedeschia</i> spp. (Araceae), section <i>Aestivae</i> . <i>Euphytica</i> , 2004, 136, 319-325.	1.2	19
43	Genetic variation in resistance to <i>Fusarium oxysporum</i> f.sp. <i>lilii</i> in the genus <i>Lilium</i> . <i>Annals of Applied Biology</i> , 1994, 125, 61-72.	2.5	18
44	Title is missing!. <i>Plant Cell, Tissue and Organ Culture</i> , 2000, 60, 61-67.	2.3	18
45	Genetic diversity and structure of <i>Lilium pumilum</i> DC. in southeast of Qinghai-Tibet plateau. <i>Plant Systematics and Evolution</i> , 2014, 300, 1453.	0.9	18
46	Assessment of intergenomic recombination through GISH analysis of F1, BC1 and BC2 progenies of <i>Tulipa gesneriana</i> and <i>T. fosteriana</i> . <i>Plant Systematics and Evolution</i> , 2012, 298, 887-899.	0.9	17
47	Title is missing!. <i>Euphytica</i> , 1999, 108, 21-28.	1.2	16
48	<i>Tulip.</i> , 2007, , 623-641.		16
49	<i>Lilium.</i> , 2011, , 161-183.		16
50	Genetic mapping of resistance to <i>Fusarium oxysporum</i> f. sp. <i>tulipae</i> in tulip. <i>Molecular Breeding</i> , 2015, 35, 122.	2.1	16
51	<i>Lilium.</i> <i>Handbook of Plant Breeding</i> , 2018, , 481-512.	0.1	15
52	Low light intensity and flower bud abortion in Asiatic hybrid lilies. I. Genetic variation among cultivars and progenies of a diallel cross. <i>Euphytica</i> , 1985, 34, 83-92.	1.2	14
53	Induction of viable 2n pollen in sterile Oriental Trumpet <i>Lilium</i> hybrids. <i>Journal of Horticultural Science and Biotechnology</i> , 2016, 91, 258-263.	1.9	14
54	Molecular analysis of genetic diversity, population structure, and phylogeny of wild and cultivated tulips (<i>Tulipa</i> L.) by genic microsatellites. <i>Horticulture Environment and Biotechnology</i> , 2018, 59, 875-888.	2.1	14

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55	INTERSPECIFIC HYBRIDIZATION IN LILIUM. Acta Horticulturae, 1986, , 591-595.	0.2	13
56	Characterization of B chromosomes in Lilium hybrids through GISH and FISH. Plant Systematics and Evolution, 2014, 300, 1771-1777.	0.9	12
57	GISH analyzed progenies generated from allotriploid lilies as female parent. Scientia Horticulturae, 2015, 183, 130-135.	3.6	11
58	Ion Leakage as a Criterion for Viability of Lily Bulb Scales after Storage at 2°C for 0.5, 1.5, and 2.5 Years. Hortscience: A Publication of the American Society for Horticultural Science, 1994, 29, 1332-1334.	1.0	11
59	Breeding for resistance to yellow disease of hyacinths. II. Influence of flowering time, leaf characters, stomata and chromosome number on the degree of resistance. Euphytica, 1982, 31, 621-628.	1.2	10
60	Genome composition of Elatior™-begonias hybrids analyzed by genomic in situ hybridisation. Euphytica, 2010, 171, 273.	1.2	10
61	Elucidation of intergenomic recombination and chromosome translocation: meiotic evidence from interspecific hybrids of Lilium through GISH analysis. Euphytica, 2013, 194, 361-370.	1.2	9
62	Using multi-locus allelic sequence data to estimate genetic divergence among four Lilium (Liliaceae) cultivars. Frontiers in Plant Science, 2014, 5, 567.	3.6	9
63	Pollen and pollination experiments. VI. Heat resistance of pollen. Euphytica, 1982, 31, 287-290.	1.2	8
64	Viability loss and oxidative stress in Lily bulbs during long-term cold storage. Plant Science, 1997, 122, 133-140.	3.6	8
65	Diseases of Lily. Handbook of Plant Disease Management, 2017, , 1-61.	0.5	8
66	Genotypic Variation in Postharvest Flower Longevity of Asiatic Hybrid Lilies. Journal of the American Society for Horticultural Science, 1998, 123, 283-287.	1.0	7
67	Breeding for resistance to yellow disease of hyacinths. I. Investigations on F1's from diallel crosses. Euphytica, 1980, 29, 555-560.	1.2	5
68	Effect of bulb storage temperature on leaf emergence and plant development during scale propagation of Lilium longiflorum "White American". Scientia Horticulturae, 1984, 24, 59-66.	3.6	5
69	Long term lily scale bulblet storage: effects of temperature and storage in polyethylene bags. Annals of Applied Biology, 1996, 129, 161-169.	2.5	5
70	Genome constitution of Narcissus variety, "Tate's Jewel", analysed through GISH and NBS profiling. Euphytica, 2011, 181, 285-292.	1.2	5
71	FREEZING OF VEGETATIVE GERMPASM OF LILY FOR 0 TO 4 YEARS. Acta Horticulturae, 1996, , 169-174.	0.2	4
72	Cytogenetic studies on meiotic chromosome behaviors in sterile Oriental x Trumpet lily. Genetics and Molecular Research, 2013, 12, 6673-6684.	0.2	4

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73	Effect of temperature on bulb growth capacity and sensitivity to summer sprouting in <i>Lilium longiflorum</i> Thunb.. <i>Scientia Horticulturae</i> , 1985, 25, 177-187.	3.6	3
74	The Role of Ornamentals in Human Life. , 2014, , 407-433.		3
75	Diseases of Lily. <i>Handbook of Plant Disease Management</i> , 2018, , 1229-1288.	0.5	1
76	Freezing tolerance of bulb scales of lily cultivars: Effects of freezing and storage duration and partial dehydration. <i>Journal of Plant Physiology</i> , 1997, 151, 627-632.	3.5	0