

Rodrigo Barba González

List of Publications by Year in descending order

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50
papers

575
citations

687363

13
h-index

642732

23
g-index

50
all docs

50
docs citations

50
times ranked

293
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of 2n gametes for the production of sexual polyploids from sterile Oriental <i>Lilium</i> — Asiatic hybrids of lilies (<i>Lilium</i>). <i>Theoretical and Applied Genetics</i> , 2004, 109, 1125-1132.	3.6	77
2	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
3	Occurrence of 2n gametes in the F1 hybrids of Oriental <i>Lilium</i> — Asiatic lilies (<i>Lilium</i>): Relevance to intergenomic recombination and backcrossing. <i>Euphytica</i> , 2005, 143, 67-73.	1.2	46
4	Progenies of allotriploids of Oriental <i>Lilium</i> — Asiatic lilies (<i>Lilium</i>) examined by GISH analysis. <i>Euphytica</i> , 2006, 151, 243-250.	1.2	43
5	Nitrous oxide (N ₂ O) induces 2n gametes in sterile F1 hybrids between Oriental <i>Lilium</i> — Asiatic lily (<i>Lilium</i>) hybrids and leads to intergenomic recombination. <i>Euphytica</i> , 2006, 148, 303-309.	1.2	39
6	Occurrence of SDR 2N-gametes in <i>Lilium</i> Hybrids. <i>Breeding Science</i> , 2004, 54, 13-18.	1.9	33
7	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
8	Three new teosintes (<i>Zea</i> spp., Poaceae) from México. <i>American Journal of Botany</i> , 2011, 98, 1537-1548.	1.7	32
9	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
10	<i>Lilium</i> . , 2011, , 161-183.		16
11	Meiotic restitution mechanisms involved in the formation of 2n pollen in <i>Agave tequilana</i> Weber and <i>Agave angustifolia</i> Haw. <i>SpringerPlus</i> , 2012, 1, 17.	1.2	15
12	<i>Lilium</i> . <i>Handbook of Plant Breeding</i> , 2018, , 481-512.	0.1	15
13	Multivariate analysis of morphological characteristics in <i>Iris germanica</i> hybrids. <i>Euphytica</i> , 2018, 214, 1.	1.2	14
14	Physical mapping of 5S and 18S ribosomal DNA in three species of <i>Agave</i> (Asparagales, Asparagaceae). <i>Comparative Cytogenetics</i> , 2013, 7, 191-203.	0.8	14
15	Nuclear genome size and cytotype analysis in <i>Agave parviflora</i> Torr. subsp. <i>flexiflora</i> Gentry (Asparagales, Asparagaceae). <i>Caryologia</i> , 2015, 68, 159-168.	0.3	10
16	GENOTYPIC AND ENVIRONMENTAL VARIATION IN PRODUCTION OF 2N-GAMETES OF ORIENTAL x ASIATIC LILY HYBRIDS. <i>Acta Horticulturae</i> , 2005, , 453-456.	0.2	9
17	INDUCTION OF 2N GAMETES FOR OVERCOMING F1-STERILITY IN LILY AND TULIP. <i>Acta Horticulturae</i> , 2006, , 99-106.	0.2	9
18	An improved technique for obtaining well-spread metaphases from plants with numerous large chromosomes. <i>Biotechnic and Histochemistry</i> , 2017, 92, 159-166.	1.3	9

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19	Effect of Supercritical Fluid Extraction Process on Chemical Composition of Polianthes tuberosa Flower Extracts. Processes, 2019, 7, 60.	2.8	8
20	MEIOTIC POLYPLOIDIZATION IN FIVE DIFFERENT INTERSPECIFIC LILIUM HYBRIDS. Acta Horticulturae, 2005, , 99-105.	0.2	6
21	USE OF 2n GAMETES FOR INDUCING INTERGENOMIC RECOMBINATION IN LILY HYBRIDS. Acta Horticulturae, 2005, , 161-166.	0.2	6
22	MITOTIC AND MEIOTIC POLYPLOIDIZATION IN LILY HYBRIDS FOR TRANSFERRING BOTRYTIS RESISTANCE. Acta Horticulturae, 2005, , 449-452.	0.2	6
23	INTERSPECIFIC HYBRIDIZATION ADVANCES IN THE GENUS EUSTOMA. Acta Horticulturae, 2015, , 93-100.	0.2	6
24	POLIANTHES BREEDING. Acta Horticulturae, 2013, , 505-510.	0.2	5
25	MOLECULAR CYTOGENETIC CHARACTERIZATION OF WILD MEXICAN GEOPHYTES. Acta Horticulturae, 2013, , 499-504.	0.2	5
26	Research on native ornamental species from Mexico. Acta Horticulturae, 2019, , 1-12.	0.2	5
27	The importance of mitotic spindle inhibitors in plant breeding. Acta Horticulturae, 2020, , 175-184.	0.2	5
28	MOLECULAR CYTOGENETICS IN LILIUM BREEDING. Acta Horticulturae, 2014, , 129-142.	0.2	4
29	Nuclear genome size and karyotype analysis of <i>Agave angustifolia</i> Haw. 'Cimarrón' and 'Linea±o'. (Asparagales, Asparagaceae). Caryologia, 2017, 70, 93-101.	0.3	3
30	Shading and Container Effects on the Weight of the <i>Dioscorea sparsiflora</i> Tuber. Agronomy Journal, 2017, 109, 33-38.	1.8	3
31	Organogénesis a partir de hojas de lisianthus (<i>Eustoma grandiflorum</i>) en respuesta a diferentes reguladores de crecimiento. Mexican Journal of Biotechnology, 2018, 3, 37-46.	0.3	3
32	<i>Eustoma</i> breeding, interspecific hybridization and cytogenetics. Acta Horticulturae, 2017, , 197-204.	0.2	2
33	Cytotypes of <i>Sprekelia formosissima</i> (Amaryllidaceae) collected in three localities of the state of Jalisco, Mexico. Journal of the Torrey Botanical Society, 2018, 145, 91-99.	0.3	2
34	Temperature effects on meristem differentiation and flowering date in tuberose (<i>Agave amica</i> L.). Scientia Horticulturae, 2021, 275, 109663.	3.6	2
35	In vitro mutagenesis efficiency with EMS (ethyl methanesulfonate) on <i>Eustoma grandiflorum</i> . Acta Horticulturae, 2020, , 163-166.	0.2	2
36	CHROMOSOME IDENTIFICATION IN THE GENUS LILIUM USING COMPARATIVE GENOMIC IN SITU HYBRIDIZATION (CGISH). Acta Horticulturae, 2010, , 35-40.	0.2	1

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37	Karyotype determination of three <i>Tigridia</i> species (Asparagales, Iridaceae). <i>Caryologia</i> , 2017, 70, 211-215.	0.3	1
38	Karyotype analysis and physical mapping of the 5S and 45S rDNA genes in <i>Tigridia pavonia</i> var. <i>Dulce</i> (Iridaceae). <i>Caryologia</i> , 2018, 71, 1-6.	0.3	1
39	Obtaining a protocol for slow growth for in vitro conservation of <i>Eustoma</i> cultivars (Gentianaceae). <i>Acta Horticulturae</i> , 2020, , 185-188.	0.2	1
40	Obtaining polyploids in wild species of the genus <i>Polianthes</i> . <i>Acta Horticulturae</i> , 2020, , 65-70.	0.2	1
41	Importance of molecular cytogenetic markers in plant breeding. <i>Acta Horticulturae</i> , 2020, , 167-174.	0.2	1
42	Spontaneous occurrence of micronuclei in developing microspores of <i>Agave angustifolia</i> Haw. cultivar <i>Linea</i> and <i>A. tequilana</i> Weber cultivar <i>Azul</i> (Asparagales, Asparagaceae). <i>Caryologia</i> , 2018, 71, 58-62.	0.3	0
43	Chromosomal numbers in parental and hybrid plants of the genus <i>Echeveria</i> . <i>Acta Horticulturae</i> , 2020, , 71-74.	0.2	0
44	Wild species, invaluable resources for breeding new ornamental crops. <i>Acta Horticulturae</i> , 2020, , 105-120.	0.2	0
45	Inter-Varietal Hybridization, Self-Pollination and Heritability of Cut <i>Freesia</i> . <i>Russian Agricultural Sciences</i> , 2021, 47, 353-362.	0.2	0
46	Volatile compounds in flowers of <i>Polianthes</i> genus. <i>Acta Horticulturae</i> , 2020, , 219-224.	0.2	0
47	Effect of different storage temperatures in flowering of <i>Polianthes tuberosa</i> L.. <i>Acta Horticulturae</i> , 2020, , 189-192.	0.2	0
48	<i>Argyria radiata</i> polyploidization, first approach for future plant breeding. <i>Acta Horticulturae</i> , 2020, , 59-64.	0.2	0
49	The orthologous Flowering Locus T (FT) and LEAFY (LFY) genes in the floral transition of <i>Polianthes tuberosa</i> . <i>Acta Horticulturae</i> , 2020, , 225-230.	0.2	0
50	EFFECTO DE LOS TRATAMIENTOS TÁRMICOS EN LA DIFERENCIACION Y FLORACION DE NARDO (<i>Polianthes</i>) Tj ETQq0 0 0 rgBT /Overlo	0.1	0