

Jaume Pellicer

List of Publications by Year in descending order

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Version: 2024-02-01

95
papers

3,362
citations

201674

27
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206112

48
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98
all docs

98
docs citations

98
times ranked

3416
citing authors

#	ARTICLE	IF	CITATIONS
1	The largest eukaryotic genome of them all?. <i>Botanical Journal of the Linnean Society</i> , 0, 164, 10-15.	1.6	311
2	Genome Size Diversity and Its Impact on the Evolution of Land Plants. <i>Genes</i> , 2018, 9, 88.	2.4	244
3	The Plant DNA C-values database (release 7.1): an updated online repository of plant genome size data for comparative studies. <i>New Phytologist</i> , 2020, 226, 301-305.	7.3	206
4	In Depth Characterization of Repetitive DNA in 23 Plant Genomes Reveals Sources of Genome Size Variation in the Legume Tribe Fabaeae. <i>PLoS ONE</i> , 2015, 10, e0143424.	2.5	172
5	Genome sequence of dwarf birch (<i>Betula nana</i>) and cross-species RAD markers. <i>Molecular Ecology</i> , 2013, 22, 3098-3111.	3.9	132
6	Analysis of the giant genomes of <i>Fritillaria</i> (<i>Liliaceae</i>) indicates that a lack of DNA removal characterizes extreme expansions in genome size. <i>New Phytologist</i> , 2015, 208, 596-607.	7.3	122
7	Genome evolution of ferns: evidence for relative stasis of genome size across the fern phylogeny. <i>New Phytologist</i> , 2016, 210, 1072-1082.	7.3	116
8	Repeat-sequence turnover shifts fundamentally in species with large genomes. <i>Nature Plants</i> , 2020, 6, 1325-1329.	9.3	87
9	Is There an Upper Limit to Genome Size?. <i>Trends in Plant Science</i> , 2017, 22, 567-573.	8.8	86
10	Functional and evolutionary genomic inferences in <i>Populus</i> through genome and population sequencing of American and European aspen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10970-E10978.	7.1	84
11	A universe of dwarfs and giants: genome size and chromosome evolution in the monocot family <i>Melastomataceae</i> . <i>New Phytologist</i> , 2014, 201, 1484-1497.	7.3	83
12	Biology, Genome Evolution, Biotechnological Issues and Research Including Applied Perspectives in <i>Artemisia</i> (<i>Asteraceae</i>). <i>Advances in Botanical Research</i> , 2011, 60, 349-419.	1.1	75
13	Linkage of 35S and 5S rRNA genes in <i>Artemisia</i> (family <i>Asteraceae</i>): first evidence from angiosperms. <i>Chromosoma</i> , 2009, 118, 85-97.	2.2	72
14	Cytotype diversity in the <i>Sorbus</i> complex (<i>Rosaceae</i>) in Britain: sorting out the puzzle. <i>Annals of Botany</i> , 2012, 110, 1185-1193.	2.9	72
15	Genome size dynamics in <i>Artemisia</i> L. (<i>Asteraceae</i>): following the track of polyploidy. <i>Plant Biology</i> , 2010, 12, 820-830.	3.8	68
16	The Application of Flow Cytometry for Estimating Genome Size and Ploidy Level in Plants. <i>Methods in Molecular Biology</i> , 2014, 1115, 279-307.	0.9	66
17	Evolutionary and ecological implications of genome size in the North American endemic sagebrushes and allies (<i>Artemisia</i> , <i>Asteraceae</i>). <i>Biological Journal of the Linnean Society</i> , 0, 94, 631-649.	1.6	51
18	A molecular phylogenetic approach to western North America endemic <i>Artemisia</i> and allies (<i>Asteraceae</i>): Untangling the sagebrushes. <i>American Journal of Botany</i> , 2011, 98, 638-653.	1.7	48

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19	Genome downsizing after polyploidy: mechanisms, rates and selection pressures. <i>Plant Journal</i> , 2021, 107, 1003-1015.	5.7	48
20	Recent updates and developments to plant genome size databases. <i>Nucleic Acids Research</i> , 2014, 42, D1159-D1166.	14.5	47
21	The explosive radiation of <i>Cheirolophus</i> (Asteraceae, Cardueae) in Macaronesia. <i>BMC Evolutionary Biology</i> , 2014, 14, 118.	3.2	47
22	Genome size variation at constant chromosome number is not correlated with repetitive DNA dynamism in <i>Anacyclus</i> (Asteraceae). <i>Annals of Botany</i> , 2020, 125, 611-623.	2.9	44
23	GSAD: A genome size in the Asteraceae database. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011, 79A, 401-404.	1.5	43
24	Chromosome counts in Asian <i>Artemisia</i> L. (Asteraceae) species: from diploids to the first report of the highest polyploid in the genus. <i>Botanical Journal of the Linnean Society</i> , 2007, 153, 301-310.	1.6	41
25	Insights into the dynamics of genome size and chromosome evolution in the early diverging angiosperm lineage Nymphaeales (water lilies). <i>Genome</i> , 2013, 56, 437-449.	2.0	41
26	The Application of Flow Cytometry for Estimating Genome Size, Ploidy Level Endopolyploidy, and Reproductive Modes in Plants. <i>Methods in Molecular Biology</i> , 2021, 2222, 325-361.	0.9	41
27	A phylogenetic road map to antimalarial <i>Artemisia</i> species. <i>Journal of Ethnopharmacology</i> , 2018, 225, 1-9.	4.1	40
28	Genome size variation and evolution in the family Asteraceae. <i>Caryologia</i> , 2013, 66, 221-235.	0.3	39
29	Ribosomal DNA, heterochromatin, and correlation with genome size in diploid and polyploid North American endemic sagebrushes (<i>Artemisia</i> , Asteraceae). <i>Genome</i> , 2009, 52, 1012-1024.	2.0	33
30	Automated video monitoring of insect pollinators in the field. <i>Emerging Topics in Life Sciences</i> , 2020, 4, 87-97.	2.6	33
31	Origin and evolution of the South American endemic <i>Artemisia</i> species (Asteraceae): evidence from molecular phylogeny, ribosomal DNA and genome size data. <i>Australian Journal of Botany</i> , 2010, 58, 605.	0.6	30
32	Do tropical plants have smaller genomes? Correlation between genome size and climatic variables in the <i>Caesalpinia</i> Group (Caesalpinioideae, Leguminosae). <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2019, 38, 13-23.	2.7	30
33	Phylogenetic relationships of <i>Artemisia</i> subg. <i>Dracunculus</i> (Asteraceae) based on ribosomal and chloroplast DNA sequences. <i>Taxon</i> , 2011, 60, 691-704.	0.7	27
34	Why size really matters when sequencing plant genomes. <i>Plant Ecology and Diversity</i> , 2012, 5, 415-425.	2.4	27
35	Genome size expansion and the relationship between nuclear DNA content and spore size in the <i>Asplenium monanthes</i> fern complex (Aspleniaceae). <i>BMC Plant Biology</i> , 2013, 13, 219.	3.6	27
36	Chromosome numbers in some <i>Artemisia</i> (Asteraceae, Anthemideae) species and genome size variation in its subgenus <i>Dracunculus</i> : Karyological, systematic and phylogenetic implications. <i>Chromosome Botany</i> , 2007, 2, 45-53.	0.2	26

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37	Are the genomes of royal ferns really frozen in time? Evidence for coinciding genome stability and limited evolvability in the royal ferns. <i>New Phytologist</i> , 2015, 207, 10-13.	7.3	25
38	Genomic gigantism in the whisk-fern family (Psilotaceae): <i>Tmesipteris obliqua</i> challenges record holder <i>Paris japonica</i> . <i>Botanical Journal of the Linnean Society</i> , 2017, 183, 509-514.	1.6	24
39	Genome size dynamics in tribe Gilliesieae (Amaryllidaceae, subfamily Allioideae) in the context of polyploidy and unusual incidence of Robertsonian translocations. <i>Botanical Journal of the Linnean Society</i> , 2017, 184, 16-31.	1.6	24
40	Apomixis and Hybridization Drives Reticulate Evolution and Phyletic Differentiation in <i>Sorbus</i> L.: Implications for Conservation. <i>Frontiers in Plant Science</i> , 2018, 9, 1796.	3.6	24
41	The nature of intraspecific and interspecific genome size variation in taxonomically complex eyebrights. <i>Annals of Botany</i> , 2021, 128, 639-651.	2.9	22
42	Balearic insular isolation and large continental spread framed the phylogeography of the western Mediterranean <i>Cheirolophus intybaceus</i> s.l. (Asteraceae). <i>Plant Biology</i> , 2013, 15, 166-175.	3.8	20
43	Polyploidy in gymnosperms – Insights into the genomic and evolutionary consequences of polyploidy in <i>Ephedra</i> . <i>Molecular Phylogenetics and Evolution</i> , 2020, 147, 106786.	2.7	20
44	Impact of dysploidy and polyploidy on the diversification of high mountain <i>Artemisia</i> (Asteraceae) and allies. <i>Alpine Botany</i> , 2016, 126, 35-48.	2.4	19
45	Lineage-specific vs. universal: A comparison of the Compositae1061 and Angiosperms353 enrichment panels in the sunflower family. <i>Applications in Plant Sciences</i> , 2021, 9, .	2.1	19
46	Palynological study of <i>Ajania</i> and related genera (Asteraceae, Anthemideae). <i>Botanical Journal of the Linnean Society</i> , 2009, 161, 171-189.	1.6	18
47	Genome Size Study in the Valerianaceae: First Results and New Hypotheses. <i>Journal of Botany</i> , 2010, 2010, 1-19.	1.2	17
48	Evolutionary and functional potential of ploidy increase within individual plants: somatic ploidy mapping of the complex labellum of sexually deceptive bee orchids. <i>Annals of Botany</i> , 2018, 122, 133-150.	2.9	17
49	Genomic Resources for Evolutionary Studies in the Large, Diverse, Tropical Genus, <i>Begonia</i> . <i>Tropical Plant Biology</i> , 2012, 5, 261-276.	1.9	16
50	Life cycle versus systematic placement: phylogenetic and cytogenetic studies in annual <i>Artemisia</i> (Asteraceae, Anthemideae). <i>Turkish Journal of Botany</i> , 2014, 38, 1112-1122.	1.2	16
51	Polyploidy does not control all: Lineage-specific average chromosome length constrains genome size evolution in ferns. <i>Journal of Systematics and Evolution</i> , 2019, 57, 418-430.	3.1	16
52	Swarm of terminal 35S in <i>Cheirolophus</i> (Asteraceae, Centaureinae). <i>Genome</i> , 2012, 55, 529-535.	2.0	15
53	Rescue, ecology and conservation of a rediscovered island endemic fern (<i>Anogramma</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 restoration. <i>Botanical Journal of the Linnean Society</i> , 2014, 174, 461-477.	1.6	15
54	Changes in genome size in a fragmented distribution area: the case of <i>Artemisia crithmifolia</i> L. (Asteraceae, Anthemideae).. <i>Caryologia</i> , 2009, 62, 152-160.	0.3	14

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55	Taxonomic and Nomenclatural Rearrangements in <i>Artemisia</i> Subgen. <i>Tridentatae</i> , Including a Redefinition of <i>Sphaeromeria</i> (Asteraceae, Anthemideae). <i>Western North American Naturalist</i> , 2011, 71, 158-163.	0.4	14
56	FISH mapping of 35S and 5S rRNA genes in <i>Artemisia</i> subgenus <i>Dracunculus</i> (Asteraceae): changes in number of loci during polyploid evolution and their systematic implications. <i>Botanical Journal of the Linnean Society</i> , 2013, 171, 655-666.	1.6	14
57	Key Processes for <i>Cheirolophus</i> (Asteraceae) Diversification on Oceanic Islands Inferred from AFLP Data. <i>PLoS ONE</i> , 2014, 9, e113207.	2.5	13
58	Ecological speciation in sympatric palms: 3. Genetic map reveals genomic islands underlying species divergence in <i>Howea</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 1986-1995.	2.3	13
59	Cryptic species in an ancient flowering plant lineage (Hydatellaceae, Nymphaeales) revealed by molecular and micromorphological data. <i>Taxon</i> , 2019, 68, 1-19.	0.7	13
60	Cytogenetic insights into an oceanic island radiation: The dramatic evolution of pre-existing traits in <i>Cheirolophus</i> (Asteraceae: Cardueae: Centaureinae). <i>Taxon</i> , 2017, 66, 146-157.	0.7	12
61	Chromosome Numbers in Three Asteraceae Tribes from Inner Mongolia (China), with Genome Size Data for Cardueae. <i>Folia Geobotanica</i> , 2009, 44, 307-322.	0.9	11
62	Do polyploids require proportionally less rDNA loci than their corresponding diploids? Examples from <i>Artemisia</i> subgenera <i>Absinthium</i> and <i>Artemisia</i> (Asteraceae, Anthemideae). <i>Plant Biosystems</i> , 2010, 144, 841-848.	1.6	11
63	Multiple independent origins of intermediate species between <i>Sorbus aucuparia</i> and <i>S. hybrida</i> (Rosaceae) in the Baltic region. <i>Nordic Journal of Botany</i> , 2018, 36, .	0.5	11
64	The correlation of phylogenetics, elevation and ploidy on the incidence of apomixis in Asteraceae in the European Alps. <i>Botanical Journal of the Linnean Society</i> , 2020, 194, 410-422.	1.6	11
65	Genome Size Doubling Arises From the Differential Repetitive DNA Dynamics in the Genus <i>Heloniopsis</i> (Melanthiaceae). <i>Frontiers in Genetics</i> , 2021, 12, 726211.	2.3	11
66	Polyploidy and other changes at chromosomal level and in genome size: Its role in systematics and evolution exemplified by some genera of Anthemideae and Cardueae (Asteraceae). <i>Taxon</i> , 2012, 61, 841-851.	0.7	10
67	British <i>Sorbus</i> (Rosaceae): six new species, two hybrids and a new subgenus. <i>New Journal of Botany</i> , 2014, 4, 2-12.	0.1	10
68	Chromosome behavior at the base of the angiosperm radiation: Karyology of <i>Trithuria submersa</i> (Hydatellaceae, Nymphaeales). <i>American Journal of Botany</i> , 2014, 101, 1447-1455.	1.7	9
69	Biogeography and genome size evolution of the oldest extant vascular plant genus, <i>Equisetum</i> (Equisetaceae). <i>Annals of Botany</i> , 2021, 127, 681-695.	2.9	9
70	<i>Salix</i> transect of Europe: variation in ploidy and genome size in willow-associated common nettle, <i>Urtica dioica</i> L. sens. lat., from Greece to arctic Norway. <i>Biodiversity Data Journal</i> , 2016, 4, e10003.	0.8	7
71	First genome size estimations for some eudicot families and genera. <i>Collectanea Botanica</i> , 2010, 29, 7-16.	0.2	7
72	250 years of hybridization between two biennial herb species without speciation. <i>AoB PLANTS</i> , 2015, 7, plv081.	2.3	6

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73	Genome Size Versus Genome Assemblies: Are the Genomes Truly Expanded in Polyploid Fungal Symbionts?. <i>Genome Biology and Evolution</i> , 2020, 12, 2384-2390.	2.5	6
74	Genome Insights into Autopolyploid Evolution: A Case Study in <i>Senecio doronicum</i> (Asteraceae) from the Southern Alps. <i>Plants</i> , 2022, 11, 1235.	3.5	6
75	Orange balsam (<i>Impatiens capensis</i> Meerb., Balsaminaceae): a re-evaluation by chromosome number and genome size ¹ . <i>Journal of the Torrey Botanical Society</i> , 2012, 139, 26-33.	0.3	5
76	Digests: Salamandersâ€™ slow slither into genomic gigantism*. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 2915-2916.	2.3	5
77	Phylogeographic insights of the lowland species <i>Cheirolophus sempervirens</i> in the southwestern Iberian Peninsula. <i>Journal of Systematics and Evolution</i> , 2016, 54, 65-74.	3.1	5
78	Cytogenetic Characterisation of <i>Artemisia absinthium</i> (Asteraceae, Anthemideae) and Its Polish Endemic var. <i>calcigena</i> . <i>Annales Botanici Fennici</i> , 2010, 47, 477-488.	0.1	4
79	Conservation genetics of the rare Iberian endemic <i>Cheirolophus uliginosus</i> (Asteraceae). <i>Botanical Journal of the Linnean Society</i> , 2015, 179, 157-171.	1.6	4
80	Phylogeographic insights into <i>Artemisia crithmifolia</i> (Asteraceae) reveal several areas of the Iberian Atlantic coast as refugia for genetic diversity. <i>Plant Systematics and Evolution</i> , 2017, 303, 509-519.	0.9	4
81	Detecting Introgressed Populations in the Iberian Endemic <i>Centaurea podospermifolia</i> through Genome Size. <i>Plants</i> , 2021, 10, 1492.	3.5	4
82	Molecular cytogenetic characterization of some representatives of the subgenera <i>Artemisia</i> and <i>Absinthium</i> (genus <i>Artemisia</i> ;) Tj ETQq0 0 0 rgBT, Overlock 10 Tf 50 3		
83	Estructura genética y germinación de semillas en poblaciones portuguesas de <i>Cheirolophus uliginosus</i> (Asteraceae): Implicaciones para su conservación. <i>Collectanea Botanica</i> , 0, 32, 21.	0.2	4
84	Polyploid wild service tree: first record of a triploid <i>Sorbus torminalis</i> (Rosaceae) in Britain. <i>New Journal of Botany</i> , 2015, 5, 34-36.	0.1	3
85	Approaches to develop a road map for the long-term conservation of an island endemic genus <i>Cylindrocline</i> . <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	2.1	3
86	<i>Cheirolophus intybaceus</i> (Asteraceae, Centaureinae) o la constancia del valor 2C. <i>Collectanea Botanica</i> , 2009, 28, 7â€“17.	0.2	3
87	Morphological and Genome-Wide Evidence of Homoploid Hybridisation in <i>Urospermum</i> (Asteraceae). <i>Plants</i> , 2022, 11, 182.	3.5	3
88	A haploid pseudo-chromosome genome assembly for a keystone sagebrush species of western North American rangelands. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	1.8	3
89	Systematics and Evolution of the Genus <i>Phoenix</i> : Towards Understanding Date Palm Origins. <i>Compendium of Plant Genomes</i> , 2021, , 29-54.	0.5	2
90	<i>Ophrys fusca</i> and <i>Ophrys dyris</i> (Orchidaceae) â€“ constancy of tetraploidy amongst populations in Central Portugal. <i>New Journal of Botany</i> , 2017, 7, 94-100.	0.1	1

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91	First genome size assessments for <i>Marshallia</i> and <i>Balduina</i> (Asteraceae, Helenieae) reveal significant cytotype diversity. <i>Caryologia</i> , 0, , .	0.3	0
92	<i>Urospermum</i> <i>Ä</i> siljakii (Asteraceae), a new natural homoploid hybrid between <i>U. dalechampii</i> and <i>U. picroides</i> . <i>Phytotaxa</i> , 2022, 544, 220-222.	0.3	0
93	Chromosome numbers and genome size data on species of the genus <i>Petrorhagia</i> (Caryophyllaceae) from Turkey. <i>Turkish Journal of Botany</i> , 2022, 46, 134-141.	1.2	0
94	Uncovering the influence of genomic traits in shaping land plant diversity. A commentary on "Are chromosome number and genome size associated with habit and environmental niche variables? Insights from the Neotropical orchids"™. <i>Annals of Botany</i> , 0, , .	2.9	0
95	Cancer and Traditional Plant Knowledge, an Interesting Field to Explore: Data from the Catalan Linguistic Area. <i>Molecules</i> , 2022, 27, 4070.	3.8	0