Jaume Pellicer

List of Publications by Year
in descending order

95 papers	3,362 citations	201385 27 h-index	205818 48 g-index
98 all docs	98 docs citations	98 times ranked	3416 citing authors

#	Article	IF	Citations
1	The largest eukaryotic genome of them all?. Botanical Journal of the Linnean Society, 0, 164, 10-15.	0.8	311
2	Genome Size Diversity and Its Impact on the Evolution of Land Plants. Genes, 2018, 9, 88.	1.0	244
3	The Plant DNA Câ€values database (release 7.1): an updated online repository of plant genome size data for comparative studies. New Phytologist, 2020, 226, 301-305.	3.5	206
4	In Depth Characterization of Repetitive DNA in 23 Plant Genomes Reveals Sources of Genome Size Variation in the Legume Tribe Fabeae. PLoS ONE, 2015, 10, e0143424.	1.1	172
5	Genome sequence of dwarf birch (<i>Betula nana</i>) and crossâ€species <scp>RAD</scp> markers. Molecular Ecology, 2013, 22, 3098-3111.	2.0	132
6	Analysis of the giant genomes of <i><scp>F</scp>ritillaria</i> (<scp>L</scp>iliaceae) indicates that a lack of <scp>DNA</scp> removal characterizes extreme expansions in genome size. New Phytologist, 2015, 208, 596-607.	3.5	122
7	Genome evolution of ferns: evidence for relative stasis of genome size across the fern phylogeny. New Phytologist, 2016, 210, 1072-1082.	3.5	116
8	Repeat-sequence turnover shifts fundamentally in species with large genomes. Nature Plants, 2020, 6, 1325-1329.	4.7	87
9	Is There an Upper Limit to Genome Size?. Trends in Plant Science, 2017, 22, 567-573.	4.3	86
10	Functional and evolutionary genomic inferences in <i>Populus</i> through genome and population sequencing of American and European aspen. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10970-E10978.	3.3	84
11	A universe of dwarfs and giants: genome size and chromosome evolution in the monocot family <scp>M</scp>elanthiaceae. New Phytologist, 2014, 201, 1484-1497.	3.5	83
12	Biology, Genome Evolution, Biotechnological Issues and Research Including Applied Perspectives in Artemisia (Asteraceae). Advances in Botanical Research, 2011, 60, 349-419.	0.5	75
13	Linkage of 35S and 5S rRNA genes in Artemisia (family Asteraceae): first evidence from angiosperms. Chromosoma, 2009, 118, 85-97.	1.0	72
14	Cytotype diversity in the Sorbus complex (Rosaceae) in Britain: sorting out the puzzle. Annals of Botany, 2012, 110, 1185-1193.	1.4	72
15	Genome size dynamics in Artemisia L. (Asteraceae): following the track of polyploidy. Plant Biology, 2010, 12, 820-830.	1.8	68
16	The Application of Flow Cytometry for Estimating Genome Size and Ploidy Level in Plants. Methods in Molecular Biology, 2014, 1115, 279-307.	0.4	66
17	Evolutionary and ecological implications of genome size in the North American endemic sagebrushes and allies (Artemisia, Asteraceae). Biological Journal of the Linnean Society, 0, 94, 631-649.	0.7	51
18	A molecular phylogenetic approach to western North America endemic <i>Artemisia</i> and allies (Asteraceae): Untangling the sagebrushes. American Journal of Botany, 2011, 98, 638-653.	0.8	48

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19	Genome downsizing after polyploidy: mechanisms, rates and selection pressures. Plant Journal, 2021, 107, 1003-1015.	2.8	48
20	Recent updates and developments to plant genome size databases. Nucleic Acids Research, 2014, 42, D1159-D1166.	6.5	47
21	The explosive radiation of Cheirolophus (Asteraceae, Cardueae) in Macaronesia. BMC Evolutionary Biology, 2014, 14, 118.	3.2	47
22	Genome size variation at constant chromosome number is not correlated with repetitive DNA dynamism in Anacyclus (Asteraceae). Annals of Botany, 2020, 125, 611-623.	1.4	44
23	GSAD: A genome size in the Asteraceae database. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 401-404.	1.1	43
24	Chromosome counts in Asian Artemisia L. (Asteraceae) species: from diploids to the first report of the highest polyploid in the genus. Botanical Journal of the Linnean Society, 2007, 153, 301-310.	0.8	41
25	Insights into the dynamics of genome size and chromosome evolution in the early diverging angiosperm lineage Nymphaeales (water lilies). Genome, 2013, 56, 437-449.	0.9	41
26	The Application of Flow Cytometry for Estimating Genome Size, Ploidy Level Endopolyploidy, and Reproductive Modes in Plants. Methods in Molecular Biology, 2021, 2222, 325-361.	0.4	41
27	A phylogenetic road map to antimalarial Artemisia species. Journal of Ethnopharmacology, 2018, 225, 1-9.	2.0	40
28	Genome size variation and evolution in the family Asteraceae. Caryologia, 2013, 66, 221-235.	0.2	39
29	Ribosomal DNA, heterochromatin, and correlation with genome size in diploid and polyploid North American endemic sagebrushes (Artemisia, Asteraceae). Genome, 2009, 52, 1012-1024.	0.9	33
30	Automated video monitoring of insect pollinators in the field. Emerging Topics in Life Sciences, 2020, 4, 87-97.	1.1	33
31	Origin and evolution of the South American endemic Artemisia species (Asteraceae): evidence from molecular phylogeny, ribosomal DNA and genome size data. Australian Journal of Botany, 2010, 58, 605.	0.3	30
32	Do tropical plants have smaller genomes? Correlation between genome size and climatic variables in the Caesalpinia Group (Caesalpinioideae, Leguminosae). Perspectives in Plant Ecology, Evolution and Systematics, 2019, 38, 13-23.	1.1	30
33	Phylogenetic relationships of <i>Artemisia</i> subg. <i>Dracunculus</i> (Asteraceae) based on ribosomal and chloroplast DNA sequences. Taxon, 2011, 60, 691-704.	0.4	27
34	Why size really matters when sequencing plant genomes. Plant Ecology and Diversity, 2012, 5, 415-425.	1.0	27
35	Genome size expansion and the relationship between nuclear DNA content and spore size in the Asplenium monanthes fern complex (Aspleniaceae). BMC Plant Biology, 2013, 13, 219.	1.6	27
36	Chromosome numbers in some Artemisia (Asteraceae, Anthemideae) species and genome size variation in its subgenus Dracunculus: Karyological, systematic and phylogenetic implications. Chromosome Botany, 2007, 2, 45-53.	0.4	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. New Phytologist, 2015, 207, 10-13.	3.5	25
38	Genomic gigantism in the whisk-fern family (Psilotaceae): Tmesipteris obliqua challenges record holder Paris japonica. Botanical Journal of the Linnean Society, 2017, 183, 509-514.	0.8	24
39	Genome size dynamics in tribe Gilliesieae (Amaryllidaceae, subfamily Allioideae) in the context of polyploidy and unusual incidence of Robertsonian translocations. Botanical Journal of the Linnean Society, 2017, 184, 16-31.	0.8	24
40	Apomixis and Hybridization Drives Reticulate Evolution and Phyletic Differentiation in Sorbus L.: Implications for Conservation. Frontiers in Plant Science, 2018, 9, 1796.	1.7	24
41	The nature of intraspecific and interspecific genome size variation in taxonomically complex eyebrights. Annals of Botany, 2021, 128, 639-651.	1.4	22
42	Balearic insular isolation and large continental spread framed the phylogeography of the western Mediterranean <i>Cheirolophus intybaceus s.l.</i> (Asteraceae). Plant Biology, 2013, 15, 166-175.	1.8	20
43	Polyploidy in gymnosperms â€“ Insights into the genomic and evolutionary consequences of polyploidy in Ephedra. Molecular Phylogenetics and Evolution, 2020, 147, 106786.	1.2	20
44	Impact of dysploidy and polyploidy on the diversification of high mountain Artemisia (Asteraceae) and allies. Alpine Botany, 2016, 126, 35-48.	1.1	19
45	Lineageâ€specific vs. universal: A comparison of the Compositae1061 and Angiosperms353 enrichment panels in the sunflower family. Applications in Plant Sciences, 2021, 9, .	0.8	19
46	Palynological study of Ajania and related genera (Asteraceae, Anthemideae). Botanical Journal of the Linnean Society, 2009, 161, 171-189.	0.8	18
47	Genome Size Study in the Valerianaceae: First Results and New Hypotheses. Journal of Botany, 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. Annals of Botany, 2018, 122, 133-150.	1.4	17
49	Genomic Resources for Evolutionary Studies in the Large, Diverse, Tropical Genus, Begonia. Tropical Plant Biology, 2012, 5, 261-276.	1.0	16
50	Life cycle versus systematic placement: phylogenetic and cytogenetic studies in annual Artemisia (Asteraceae, Anthemideae). Turkish Journal of Botany, 2014, 38, 1112-1122.	0.5	16
51	Polyploidy does not control all: Lineageâ€specific average chromosome length constrains genome size evolution in ferns. Journal of Systematics and Evolution, 2019, 57, 418-430.	1.6	16
52	Swarm of terminal 35S in <i>Cheirolophus</i> (Asteraceae, Centaureinae). Genome, 2012, 55, 529-535.	0.9	15
53	Rescue, ecology and conservation of a rediscovered island endemic fern (<i>Anogramma) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 restoration. Botanical Journal of the Linnean Society, 2014, 174, 461-477.	0.8	15
54	Changes in genome size in a fragmented distribution area: the case of<i>Artemisia crithmifolia</i>L. (Asteraceae, Anthemideae).. Caryologia, 2009, 62, 152-160.	0.2	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). Western North American Naturalist, 2011, 71, 158-163.	0.2	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. Botanical Journal of the Linnean Society, 2013, 171, 655-666.	0.8	14
57	Key Processes for Cheirolophus (Asteraceae) Diversification on Oceanic Islands Inferred from AFLP Data. PLoS ONE, 2014, 9, e113207.	1.1	13
58	Ecological speciation in sympatric palms: 3. Genetic map reveals genomic islands underlying species divergence in <i>Howea</i>. Evolution; International Journal of Organic Evolution, 2019, 73, 1986-1995.	1.1	13
59	Cryptic species in an ancient floweringâ€plant lineage (Hydatellaceae, Nymphaeales) revealed by molecular and micromorphological data. Taxon, 2019, 68, 1-19.	0.4	13
60	Cytogenetic insights into an oceanic island radiation: The dramatic evolution of preâ€existing traits in <i>Cheirolophus</i> (Asteraceae: Cardueae: Centaureinae). Taxon, 2017, 66, 146-157.	0.4	12
61	Chromosome Numbers in Three Asteraceae Tribes from Inner Mongolia (China), with Genome Size Data for Cardueae. Folia Geobotanica, 2009, 44, 307-322.	0.4	11
62	Do polyploids require proportionally less rDNA loci than their corresponding diploids? Examples from Artemisia subgenera Absinthium and Artemisia (Asteraceae, Anthemideae). Plant Biosystems, 2010, 144, 841-848.	0.8	11
63	Multiple independent origins of intermediate species between <i>Sorbus aucuparia</i> and <i>S. hybrida</i> (Rosaceae) in the Baltic region. Nordic Journal of Botany, 2018, 36, .	0.2	11
64	The correlation of phylogenetics, elevation and ploidy on the incidence of apomixis in Asteraceae in the European Alps. Botanical Journal of the Linnean Society, 2020, 194, 410-422.	0.8	11
65	Genome Size Doubling Arises From the Differential Repetitive DNA Dynamics in the Genus Heloniopsis (Melanthiaceae). Frontiers in Genetics, 2021, 12, 726211.	1.1	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). Taxon, 2012, 61, 841-851.	0.4	10
67	BritishSorbus(Rosaceae): six new species, two hybrids and a new subgenus. New Journal of Botany, 2014, 4, 2-12.	0.2	10
68	Chromosome behavior at the base of the angiosperm radiation: Karyology of <i>Trithuria submersa</i> (Hydatellaceae, Nymphaeales). American Journal of Botany, 2014, 101, 1447-1455.	0.8	9
69	Biogeography and genome size evolution of the oldest extant vascular plant genus,<i>Equisetum</i>(Equisetaceae). Annals of Botany, 2021, 127, 681-695.	1.4	9
70	Salix transect of Europe: variation in ploidy and genome size in willow-associated common nettle, Urtica dioica L. sens. lat., from Greece to arctic Norway. Biodiversity Data Journal, 2016, 4, e10003.	0.4	7
71	First genome size estimations for some eudicot families and genera. Collectanea Botanica, 2010, 29, 7-16.	0.2	7
72	250 years of hybridization between two biennial herb species without speciation. AoB PLANTS, 2015, 7, plv081.	1.2	6

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73	Genome Size Versus Genome Assemblies: Are the Genomes Truly Expanded in Polyploid Fungal Symbionts?. Genome Biology and Evolution, 2020, 12, 2384-2390.	1.1	6
74	Genome Insights into Autopolyploid Evolution: A Case Study in Senecio doronicum (Asteraceae) from the Southern Alps. Plants, 2022, 11, 1235.	1.6	6
75	Orange balsam (Impatiens capensis Meerb., Balsaminaceae): a re-evaluation by chromosome number and genome size¹. Journal of the Torrey Botanical Society, 2012, 139, 26-33.	0.1	5
76	Digests: Salamandersâ€™ slow slither into genomic gigantism*. Evolution; International Journal of Organic Evolution, 2016, 70, 2915-2916.	1.1	5
77	Phylogeographic insights of the lowland species <i>Cheirolophus sempervirens</i> in the southwestern Iberian Peninsula. Journal of Systematics and Evolution, 2016, 54, 65-74.	1.6	5
78	Cytogenetic Characterisation of<i>Artemisia absinthium</i>(Asteraceae, Anthemideae) and Its Polish Endemic var.<i>calcigena</i>. Annales Botanici Fennici, 2010, 47, 477-488.	0.0	4
79	Conservation genetics of the rare Iberian endemic<i>Cheirolophus uliginosus</i>(Asteraceae). Botanical Journal of the Linnean Society, 2015, 179, 157-171.	0.8	4
80	Phylogeographic insights into Artemisia crithmifolia (Asteraceae) reveal several areas of the Iberian Atlantic coast as refugia for genetic diversity. Plant Systematics and Evolution, 2017, 303, 509-519.	0.3	4
81	Detecting Introgressed Populations in the Iberian Endemic Centaurea podospermifolia through Genome Size. Plants, 2021, 10, 1492.	1.6	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	0.2	4
83	Estructura genÃ©tica y germinaciÃ³n de semillas en poblaciones portuguesas de Cheirolophus uliginosus (Asteraceae): Implicaciones para su conservaciÃ³n. Collectanea Botanica, 0, 32, 21.	0.2	4
84	Polyploid wild service tree: first record of a triploidSorbus torminalis(Rosaceae) in Britain. New Journal of Botany, 2015, 5, 34-36.	0.2	3
85	Approaches to develop a road map for the long-term conservation of an island endemic genus Cylindrocline. Acta Physiologiae Plantarum, 2016, 38, 1.	1.0	3
86	<i>Cheirolophus intybaceus (Asteraceae, Centaureinae)</i> o la constÃncia del valor 2C. Collectanea Botanica, 2009, 28, 7â€“17.	0.2	3
87	Morphological and Genome-Wide Evidence of Homoploid Hybridisation in Urospermum (Asteraceae). Plants, 2022, 11, 182.	1.6	3
88	A haploid pseudo-chromosome genome assembly for a keystone sagebrush species of western North American rangelands. G3: Genes, Genomes, Genetics, 2022, 12, .	0.8	3
89	Systematics and Evolution of the Genus Phoenix: Towards Understanding Date Palm Origins. Compendium of Plant Genomes, 2021, , 29-54.	0.3	2
90	<i>Ophrys fusca</i>and<i>Ophrys dyris</i>(Orchidaceae) â€“ constancy of tetraploidy amongst populations in Central Portugal. New Journal of Botany, 2017, 7, 94-100.	0.2	1

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91	First genome size assessments for Marshallia and Balduina (Asteraceae, Helenieae) reveal significant cytotype diversity. Caryologia, 0, , .	0.2	0
92	Urospermum Ã—siljakii (Asteraceae), a new natural homoploid hybrid between U. dalechampii and U. picroides. Phytotaxa, 2022, 544, 220-222.	0.1	0
93	Chromosome numbers and genome size data on species of the genus Petrorhagia(Caryophyllaceae) from Turkey. Turkish Journal of Botany, 2022, 46, 134-141.	0.5	0
94	Uncovering the influence of genomic traits in shaping land plant diversity. A commentary on â€˜Are chromosome number and genome size associated with habit and environmental niche variables? Insights from the Neotropical orchidsâ€™. Annals of Botany, 0, , .	1.4	0
95	Cancer and Traditional Plant Knowledge, an Interesting Field to Explore: Data from the Catalan Linguistic Area. Molecules, 2022, 27, 4070.	1.7	0