Carlos M Vicient

List of Publications by Year
in descending order

46 papers	2,083 citations	304368 22 h-index	233125 45 g-index
46 all docs	46 docs citations	46 times ranked	2393 citing authors

#	Article	IF	Citations
1	Additional ORFs in Plant LTR-Retrotransposons. Frontiers in Plant Science, 2020, 11, 555.	1.7	18
2	Drought tolerance induced by sound in Arabidopsis plants. Plant Signaling and Behavior, 2017, 12, e1368938.	1.2	36
3	Impact of transposable elements on polyploid plant genomes. Annals of Botany, 2017, 120, 195-207.	1.4	228
4	Use of ultrasonication to increase germination rates of Arabidopsis seeds. Plant Methods, 2017, 13, 31.	1.9	36
5	The effect of frequency-specific sound signals on the germination of maize seeds. BMC Research Notes, 2017, 10, 323.	0.6	8
6	The Use of Massive Sequencing to Detect Differences between Immature Embryos of MON810 and a Comparable Non-GM Maize Variety. PLoS ONE, 2014, 9, e100895.	1.1	8
7	Genetic diversity of maize germplasm assessed by retrotransposonâ€based markers. Electrophoresis, 2014, 35, 1921-1927.	1.3	10
8	The Evolutionary Conserved Oil Body Associated Protein OBAP1 Participates in the Regulation of Oil Body Size Â Â. Plant Physiology, 2014, 164, 1237-1249.	2.3	42
9	Grande retrotransposons contain an accessory gene in the unusually long 3â€²-internal region that encodes a nuclear protein transcribed from its own promoter. Plant Molecular Biology, 2013, 81, 541-551.	2.0	7
10	Identification of a type I Ca2+/Mg2+-dependent endonuclease induced in maize cells exposed to camptothecin. BMC Plant Biology, 2013, 13, 186.	1.6	11
11	ZmPTR1, a maize peptide transporter expressed in the epithelial cells of the scutellum during germination. Plant Science, 2013, 207, 140-147.	1.7	10
12	Expression profile of maize (Zea mays) scutellar epithelium during imbibition. Journal of Plant Physiology, 2012, 169, 1430-1433.	1.6	3
13	Quantitative subproteomic analysis of germinating related changes in the scutellum oil bodies of Zea mays. Plant Science, 2012, 191-192, 1-7.	1.7	8
14	Protein composition analysis of oil bodies from maize embryos during germination. Journal of Plant Physiology, 2011, 168, 510-513.	1.6	22
15	Transcriptomic and proteomic profiling of maize embryos exposed to camptothecin. BMC Plant Biology, 2011, 11, 91.	1.6	14
16	MASISH: a database for gene expression in maize seeds. Bioinformatics, 2011, 27, 435-436.	1.8	1
17	Characterization of polyadenylated cryIA(b) transcripts in maize MON810 commercial varieties. Analytical and Bioanalytical Chemistry, 2010, 396, 2125-2133.	1.9	7
18	Stability of the MON 810 transgene in maize. Plant Molecular Biology, 2010, 74, 563-571.	2.0	20

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19	Transcriptional activity of transposable elements in maize. BMC Genomics, 2010, 11, 601.	1.2	90
20	Genetic, molecular and cellular approaches to the analysis of maize embryo development. International Journal of Developmental Biology, 2009, 53, 1649-1654.	0.3	1
21	Maize Embryogenesis. Methods in Molecular Biology, 2008, 427, 17-29.	0.4	13
22	Life without GAG: The BARE-2 retrotransposon as a parasite's parasite. Gene, 2007, 390, 166-174.	1.0	48
23	Integrase diversity and transcription of the maize retrotransposon Grande. Genome, 2006, 49, 558-562.	0.9	12
24	A maize defective-kernel mutant (longcell) characterized by tubular cells, severe morphological alterations and induction of cell death. Planta, 2006, 223, 755-768.	1.6	6
25	Computational and experimental analysis identifies Arabidopsis genes specifically expressed during early seed development. BMC Genomics, 2006, 7, 38.	1.2	28
26	Variability, Recombination, and Mosaic Evolution of the Barley BARE-1 Retrotransposon. Journal of Molecular Evolution, 2005, 61, 275-291.	0.8	62
27	Large Retrotransposon Derivatives: Abundant, Conserved but Nonautonomous Retroelements of Barley and Related Genomes. Genetics, 2004, 166, 1437-1450.	1.2	157
28	Ankyrin repeat-containing proteins in Arabidopsis: characterization of a novel and abundant group of genes coding ankyrin-transmembrane proteins. Gene, 2004, 340, 111-121.	1.0	101
29	Copia-Like Retrotransposons in the Rice Genome: Few and Assorted. Journal of Genome Science and Technology, 2002, 1, 35-47.	0.7	23
30	Late Embryogenesis Abundant (LEA) protein gene regulation during Arabidopsis seed maturation. Journal of Plant Physiology, 2001, 158, 419-427.	1.6	51
31	Envelope-Class Retrovirus-Like Elements Are Widespread, Transcribed and Spliced, and Insertionally Polymorphic in Plants. Genome Research, 2001, 11, 2041-2049.	2.4	86
32	The Arabidopsis AtEm1 promoter is active in Brassica napus L. and is temporally and spatially regulated. Journal of Experimental Botany, 2001, 52, 1587-1591.	2.4	7
33	Active Retrotransposons Are a Common Feature of Grass Genomes. Plant Physiology, 2001, 125, 1283-1292.	2.3	188
34	Differential expression of the Arabidopsis genes coding for Emâ€like proteins1. Journal of Experimental Botany, 2000, 51, 1211-1220.	2.4	49
35	Changes in gene expression in the leafy cotyledon1 (lec1) and fusca3 (fus3) mutants of Arabidopsis thaliana L.. Journal of Experimental Botany, 2000, 51, 995-1003.	2.4	53
36	Structure, functionality, and evolution of the BARE-1 retrotransposon of barley. , 2000, , 53-63.		0

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37	Retrotransposon BARE-1 and Its Role in Genome Evolution in the Genus Hordeum. Plant Cell, 1999, 11, 1769.	3.1	4
38	Retrotransposon BARE-1 and Its Role in Genome Evolution in the Genus Hordeum. Plant Cell, 1999, 11, 1769-1784.	3.1	333
39	Retrotransposon BARE-1: expression of encoded proteins and formation of virus-like particles in barley cells. Plant Journal, 1999, 20, 413-422.	2.8	55
40	Structure, functionality, and evolution of the BARE-1 retrotransposon of barley. Genetica, 1999, 107, 53-63.	0.5	43
41	Isolation of Total RNA fromArabidopsis thalianaSeeds. Analytical Biochemistry, 1999, 268, 412-413.	1.1	112
42	Gene note. Characterization of an Em-like gene of Brassica napus. Journal of Experimental Botany, 1998, 49, 1061-1062.	2.4	4
43	What makes Grande1 retrotransposon different?. Contemporary Issues in Genetics and Evolution, 1997, , 15-28.	0.9	17
44	Discovery of a Zdel transposable element in Zea species as a consequence of a retrotransposon insertion. Gene, 1997, 184, 257-261.	1.0	8
45	What makes Grande1 retrotransposon different?. Genetica, 1997, 100, 15-28.	0.5	27
46	Molecular Analysis of a Putative Transposable Retroelement from the Zea Genus with Internal Clusters of Tandem Repeats. DNA Research, 1995, 2, 255-261.	1.5	16