Roberto Rodriguez

List of Publications by Year
in descending order

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39 papers	1,732 citations	236925 25 h-index	315739 38 g-index
39 all docs	39 docs citations	39 times ranked	1715 citing authors

#	Article	IF	Citations
1	The Effects of Hormone Treatment on Epigenetic Marks During Organogenesis in Pinus radiata D. Don Embryos. Journal of Plant Growth Regulation, 2016, 35, 97-108.	5.1	5
2	Temporary immersion systems (RITAÂ®) for the improvement of cork oak somatic embryogenic culture proliferation and somatic embryo production. Trees - Structure and Function, 2013, 27, 1277-1284.	1.9	28
3	Is the Interplay between Epigenetic Markers Related to the Acclimation of Cork Oak Plants to High Temperatures?. PLoS ONE, 2013, 8, e53543.	2.5	74
4	Field performance and (epi)genetic profile of plantain (Musa AAB) clone â€˜CEMSA Â¾â€™ plants micropropagated by temporary immersion systems. Scientia Horticulturae, 2012, 146, 65-75.	3.6	5
5	Proteomic profiling of <scp>T</scp>ectona grandis<scp>L</scp>. leaf. Proteomics, 2012, 12, 1039-1044.	2.2	10
6	Morphological and physiological responses of proliferating shoots of teak to temporary immersion and BA treatments. Plant Cell, Tissue and Organ Culture, 2012, 109, 223-234.	2.3	52
7	Early induced protein 1 (PrELIP1) and other photosynthetic, stress and epigenetic regulation genes are involved in Pinus radiata D. don UVâ€B radiation response. Physiologia Plantarum, 2012, 146, 308-320.	5.2	31
8	Epigenetic and physiological effects of gibberellin inhibitors and chemical pruners on the floral transition of azalea. Physiologia Plantarum, 2011, 141, 276-288.	5.2	30
9	Promotion of flowering in azaleas by manipulating photoperiod and temperature induces epigenetic alterations during floral transition. Physiologia Plantarum, 2011, 143, 82-92.	5.2	8
10	Hormonal Profile in Vegetative and Floral Buds of Azalea: Levels of Polyamines, Gibberellins, and Cytokinins. Journal of Plant Growth Regulation, 2011, 30, 74-82.	5.1	16
11	Transcriptome analysis of chestnut (Castanea sativa) tree buds suggests a putative role for epigenetic control of bud dormancy. Annals of Botany, 2011, 108, 485-498.	2.9	59
12	Effect of sucrose, light, and carbon dioxide on plantain micropropagation in temporary immersion bioreactors. In Vitro Cellular and Developmental Biology - Plant, 2010, 46, 89-94.	2.1	41
13	Dynamics of DNA methylation and Histone H4 acetylation during floral bud differentiation in azalea. BMC Plant Biology, 2010, 10, 10.	3.6	47
14	Combined Proteomic and Transcriptomic Analysis Identifies Differentially Expressed Pathways Associated to Pinus radiata Needle Maturation. Journal of Proteome Research, 2010, 9, 3954-3979.	3.7	56
15	Variations in DNA methylation, acetylated histone H4, and methylated histone H3 during Pinus radiata needle maturation in relation to the loss of in vitro organogenic capability. Journal of Plant Physiology, 2010, 167, 351-357.	3.5	66
16	Dormant and non-dormant Castanea sativa Mill. buds require different polyvinylpyrrolidone concentrations for optimal RNA isolation. Plant Science, 2010, 178, 55-60.	3.6	8
17	DNA demethylation and decrease on free polyamines is associated with the embryogenic capacity of Pinus nigra Arn. cell culture. Trees - Structure and Function, 2009, 23, 1285-1293.	1.9	63
18	Improvement of compactness and floral quality in azalea by means of application of plant growth regulators. Scientia Horticulturae, 2009, 119, 169-176.	3.6	44

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19	Acetylated H4 histone and genomic DNA methylation patterns during bud set and bud burst in Castanea sativa. Journal of Plant Physiology, 2009, 166, 1360-1369.	3.5	103
20	Epigenetic characterization of the vegetative and floral stages of azalea buds: Dynamics of DNA methylation and histone H4 acetylation. Journal of Plant Physiology, 2009, 166, 1624-1636.	3.5	37
21	HPCE quantification of 5-methyl-2â€²-deoxycytidine in genomic DNA: Methodological optimization for chestnut and other woody species. Plant Physiology and Biochemistry, 2008, 46, 815-822.	5.8	29
22	Proteomic Analysis of Pinus radiata Needles: 2-DE Map and Protein Identification by LC/MS/MS and Substitution-Tolerant Database Searching. Journal of Proteome Research, 2008, 7, 2616-2631.	3.7	48
23	Promoter DNA Hypermethylation and Gene Repression in Undifferentiated Arabidopsis Cells. PLoS ONE, 2008, 3, e3306.	2.5	99
24	Plant Epigenetics. , 2008, , 225-239.		6
25	Involvement of DNA methylation in tree development and micropropagation. Plant Cell, Tissue and Organ Culture, 2007, 91, 75-86.	2.3	113
26	Photosynthesis and carbon metabolism in plantain (Musa AAB) plantlets growing in temporary immersion bioreactors and during ex vitro acclimatization. In Vitro Cellular and Developmental Biology - Plant, 2005, 41, 550-554.	2.1	36
27	A Pinus radiata AAA-ATPase, the expression of which increases with tree ageing. Journal of Experimental Botany, 2004, 55, 1597-1599.	4.8	11
28	Changes in polyamine concentration associated with aging in Pinus radiata and Prunus persica. Tree Physiology, 2004, 24, 1221-1226.	3.1	30
29	Reinvigoration of Pinus radiata is associated with partial recovery of juvenile-like polyamine concentrations. Tree Physiology, 2003, 23, 205-209.	3.1	15
30	Genomic DNA methylation-demethylation during aging and reinvigoration of Pinus radiata. Tree Physiology, 2002, 22, 813-816.	3.1	123
31	High-performance capillary electrophoretic method for the quantification of 5-methyl 2'-deoxycytidine in genomic DNA: Application to plant, animal and human cancer tissues. Electrophoresis, 2002, 23, 1677.	2.4	142
32	Phase-change related epigenetic and physiological changes in Pinus radiata D. Don. Planta, 2002, 215, 672-678.	3.2	84
33	Title is missing!. Plant Cell, Tissue and Organ Culture, 2002, 70, 139-145.	2.3	20
34	Rapid quantification of DNA methylation by high performance capillary electrophoresis. Electrophoresis, 2000, 21, 2990-2994.	2.4	108
35	Title is missing!. Euphytica, 2000, 114, 195-203.	1.2	7
36	Regeneration of plants from isolated cotyledons of salgareÃ±o pine (Pinus nigra Arn. ssp.Salzmannii) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.1	15

#	Article	IF	Citations
37	Effect of repeated severe pruning on endogenous polyamine content in hazelnut trees. Physiologia Plantarum, 1994, 92, 487-492.	5.2	16
38	Comparison of endogenous polyamine content in hazel leaves and buds between the annual dormancy and flowering phases of growth. Physiologia Plantarum, 1994, 91, 45-50.	5.2	35
39	Multiple shoot-bud formation and plantlet regeneration on Castanea sativa Mill. seeds in culture. Plant Cell Reports, 1982, 1, 161-164.	5.6	12