

Roberto Rodriguez

List of Publications by Year in descending order

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39
papers

1,732
citations

236612

25
h-index

315357

38
g-index

39
all docs

39
docs citations

39
times ranked

1715
citing authors

#	ARTICLE	IF	CITATIONS
1	High-performance capillary electrophoretic method for the quantification of 5-methyl 2'-deoxycytidine in genomic DNA: Application to plant, animal and human cancer tissues. <i>Electrophoresis</i> , 2002, 23, 1677.	1.3	142
2	Genomic DNA methylation-demethylation during aging and reinvigoration of <i>Pinus radiata</i> . <i>Tree Physiology</i> , 2002, 22, 813-816.	1.4	123
3	Involvement of DNA methylation in tree development and micropropagation. <i>Plant Cell, Tissue and Organ Culture</i> , 2007, 91, 75-86.	1.2	113
4	Rapid quantification of DNA methylation by high performance capillary electrophoresis. <i>Electrophoresis</i> , 2000, 21, 2990-2994.	1.3	108
5	Acetylated H4 histone and genomic DNA methylation patterns during bud set and bud burst in <i>Castanea sativa</i> . <i>Journal of Plant Physiology</i> , 2009, 166, 1360-1369.	1.6	103
6	Promoter DNA Hypermethylation and Gene Repression in Undifferentiated <i>Arabidopsis</i> Cells. <i>PLoS ONE</i> , 2008, 3, e3306.	1.1	99
7	Phase-change related epigenetic and physiological changes in <i>Pinus radiata</i> D. Don. <i>Planta</i> , 2002, 215, 672-678.	1.6	84
8	Is the Interplay between Epigenetic Markers Related to the Acclimation of Cork Oak Plants to High Temperatures?. <i>PLoS ONE</i> , 2013, 8, e53543.	1.1	74
9	Variations in DNA methylation, acetylated histone H4, and methylated histone H3 during <i>Pinus radiata</i> needle maturation in relation to the loss of in vitro organogenic capability. <i>Journal of Plant Physiology</i> , 2010, 167, 351-357.	1.6	66
10	DNA demethylation and decrease on free polyamines is associated with the embryogenic capacity of <i>Pinus nigra</i> Arn. cell culture. <i>Trees - Structure and Function</i> , 2009, 23, 1285-1293.	0.9	63
11	Transcriptome analysis of chestnut (<i>Castanea sativa</i>) tree buds suggests a putative role for epigenetic control of bud dormancy. <i>Annals of Botany</i> , 2011, 108, 485-498.	1.4	59
12	Combined Proteomic and Transcriptomic Analysis Identifies Differentially Expressed Pathways Associated to <i>Pinus radiata</i> Needle Maturation. <i>Journal of Proteome Research</i> , 2010, 9, 3954-3979.	1.8	56
13	Morphological and physiological responses of proliferating shoots of teak to temporary immersion and BA treatments. <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 109, 223-234.	1.2	52
14	Proteomic Analysis of <i>Pinus radiata</i> Needles: 2-DE Map and Protein Identification by LC/MS/MS and Substitution-Tolerant Database Searching. <i>Journal of Proteome Research</i> , 2008, 7, 2616-2631.	1.8	48
15	Dynamics of DNA methylation and Histone H4 acetylation during floral bud differentiation in azalea. <i>BMC Plant Biology</i> , 2010, 10, 10.	1.6	47
16	Improvement of compactness and floral quality in azalea by means of application of plant growth regulators. <i>Scientia Horticulturae</i> , 2009, 119, 169-176.	1.7	44
17	Effect of sucrose, light, and carbon dioxide on plantain micropropagation in temporary immersion bioreactors. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2010, 46, 89-94.	0.9	41
18	Epigenetic characterization of the vegetative and floral stages of azalea buds: Dynamics of DNA methylation and histone H4 acetylation. <i>Journal of Plant Physiology</i> , 2009, 166, 1624-1636.	1.6	37

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19	Photosynthesis and carbon metabolism in plantain (<i>Musa AAB</i>) plantlets growing in temporary immersion bioreactors and during ex vitro acclimatization. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2005, 41, 550-554.	0.9	36
20	Comparison of endogenous polyamine content in hazel leaves and buds between the annual dormancy and flowering phases of growth. <i>Physiologia Plantarum</i> , 1994, 91, 45-50.	2.6	35
21	Early induced protein 1 (<i>PrELIP1</i>) and other photosynthetic, stress and epigenetic regulation genes are involved in <i>Pinus radiata</i> D. don UV β radiation response. <i>Physiologia Plantarum</i> , 2012, 146, 308-320.	2.6	31
22	Changes in polyamine concentration associated with aging in <i>Pinus radiata</i> and <i>Prunus persica</i> . <i>Tree Physiology</i> , 2004, 24, 1221-1226.	1.4	30
23	Epigenetic and physiological effects of gibberellin inhibitors and chemical pruners on the floral transition of azalea. <i>Physiologia Plantarum</i> , 2011, 141, 276-288.	2.6	30
24	HPCE quantification of 5-methyl-2 α -deoxycytidine in genomic DNA: Methodological optimization for chestnut and other woody species. <i>Plant Physiology and Biochemistry</i> , 2008, 46, 815-822.	2.8	29
25	Temporary immersion systems (RITA $\text{\textcircled{R}}$) for the improvement of cork oak somatic embryogenic culture proliferation and somatic embryo production. <i>Trees - Structure and Function</i> , 2013, 27, 1277-1284.	0.9	28
26	Title is missing!. <i>Plant Cell, Tissue and Organ Culture</i> , 2002, 70, 139-145.	1.2	20
27	Effect of repeated severe pruning on endogenous polyamine content in hazelnut trees. <i>Physiologia Plantarum</i> , 1994, 92, 487-492.	2.6	16
28	Hormonal Profile in Vegetative and Floral Buds of Azalea: Levels of Polyamines, Gibberellins, and Cytokinins. <i>Journal of Plant Growth Regulation</i> , 2011, 30, 74-82.	2.8	16
29	Regeneration of plants from isolated cotyledons of salgar $\text{\textcircled{R}}$ pine (<i>Pinus nigra</i> Arn. ssp. <i>Salzmannii</i>) Tj ETQq1 1 0.784314 rgBT /Overlo	0.9	15
30	Reinvigoration of <i>Pinus radiata</i> is associated with partial recovery of juvenile-like polyamine concentrations. <i>Tree Physiology</i> , 2003, 23, 205-209.	1.4	15
31	Multiple shoot-bud formation and plantlet regeneration on <i>Castanea sativa</i> Mill. seeds in culture. <i>Plant Cell Reports</i> , 1982, 1, 161-164.	2.8	12
32	A <i>Pinus radiata</i> AAA-ATPase, the expression of which increases with tree ageing. <i>Journal of Experimental Botany</i> , 2004, 55, 1597-1599.	2.4	11
33	Proteomic profiling of <i>ectona grandis</i> leaf. <i>Proteomics</i> , 2012, 12, 1039-1044.	1.3	10
34	Dormant and non-dormant <i>Castanea sativa</i> Mill. buds require different polyvinylpyrrolidone concentrations for optimal RNA isolation. <i>Plant Science</i> , 2010, 178, 55-60.	1.7	8
35	Promotion of flowering in azaleas by manipulating photoperiod and temperature induces epigenetic alterations during floral transition. <i>Physiologia Plantarum</i> , 2011, 143, 82-92.	2.6	8
36	Title is missing!. <i>Euphytica</i> , 2000, 114, 195-203.	0.6	7

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37	Plant Epigenetics. , 2008, , 225-239.		6
38	Field performance and (epi)genetic profile of plantain (Musa AAB) clone "CEMSA" plants micropropagated by temporary immersion systems. Scientia Horticulturae, 2012, 146, 65-75.	1.7	5
39	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.	2.8	5