

Carmen Diaz-Sala

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,537
citations

361413

20
h-index

330143

37
g-index

42
all docs

42
docs citations

42
times ranked

1698
citing authors

#	ARTICLE	IF	CITATIONS
1	Epigenetic regulation of adaptive responses of forest tree species to the environment. <i>Ecology and Evolution</i> , 2013, 3, 399-415.	1.9	271
2	Expansins Are Conserved in Conifers and Expressed in Hypocotyls in Response to Exogenous Auxin1. <i>Plant Physiology</i> , 1999, 120, 827-832.	4.8	130
3	Age- and size-related trends in woody plant shoot development: regulatory pathways and evidence for genetic control. <i>Tree Physiology</i> , 2002, 22, 507-513.	3.1	121
4	Two SCARECROW-LIKE genes are induced in response to exogenous auxin in rooting-competent cuttings of distantly related forest species. <i>Tree Physiology</i> , 2007, 27, 1459-1470.	3.1	108
5	Towards decoding the conifer giga-genome. <i>Plant Molecular Biology</i> , 2012, 80, 555-569.	3.9	91
6	Maturation-related loss in rooting competence by loblolly pine stem cuttings: The role of auxin transport, metabolism and tissue sensitivity. <i>Physiologia Plantarum</i> , 1996, 97, 481-490.	5.2	90
7	Genetic control of functional traits related to photosynthesis and water use efficiency in <i>Pinus pinaster</i> Ait. drought response: integration of genome annotation, allele association and QTL detection for candidate gene identification. <i>BMC Genomics</i> , 2014, 15, 464.	2.8	64
8	Characterization and expression of a <i>Pinus radiata</i> putative ortholog to the <i>Arabidopsis</i> SHORT-ROOT gene. <i>Tree Physiology</i> , 2008, 28, 1629-1639.	3.1	63
9	The GRAS gene family in pine: transcript expression patterns associated with the maturation-related decline of competence to form adventitious roots. <i>BMC Plant Biology</i> , 2014, 14, 354.	3.6	56
10	Direct reprogramming of adult somatic cells toward adventitious root formation in forest tree species: the effect of the juvenile to adult transition. <i>Frontiers in Plant Science</i> , 2014, 5, 310.	3.6	48
11	CsSCL1 is differentially regulated upon maturation in chestnut microshoots and is specifically expressed in rooting-competent cells. <i>Tree Physiology</i> , 2011, 31, 1152-1160.	3.1	40
12	N,N'-bis-(2,3-Methylenedioxyphenyl)urea and N,N'-bis-(3,4-methylenedioxyphenyl)urea enhance adventitious rooting in <i>Pinus radiata</i> and affect expression of genes induced during adventitious rooting in the presence of exogenous auxin. <i>Plant Science</i> , 2008, 175, 356-363.	3.6	38
13	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.	5.2	35
14	Cellular dynamics during maturation-related decline of adventitious root formation in forest tree species. <i>Physiologia Plantarum</i> , 2019, 165, 73-80.	5.2	34
15	Age-related loss of rooting capability in <i>Arabidopsis thaliana</i> and its reversal by peptides containing the Arg-Gly-Asp (RGD) motif. <i>Physiologia Plantarum</i> , 2002, 114, 601-607.	5.2	33
16	Molecular Dissection of the Regenerative Capacity of Forest Tree Species: Special Focus on Conifers. <i>Frontiers in Plant Science</i> , 2018, 9, 1943.	3.6	31
17	Reprogramming adult cells during organ regeneration in forest species. <i>Plant Signaling and Behavior</i> , 2009, 4, 793-795.	2.4	29
18	Endogenous polyamine concentrations in juvenile, adult and in vitro reinvigorated hazel. <i>Tree Physiology</i> , 1994, 14, 191-200.	3.1	26

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19	Variations in the DNA methylation and polypeptide patterns of adult hazel (<i>Corylus avellana</i> L.) associated with sequential <i>in vitro</i> subcultures. <i>Plant Cell Reports</i> , 1995, 15, 218-221.	5.6	25
20	1,3-di(benzo[d]oxazol-5-yl)urea acts as either adventitious rooting adjuvant or xylogenesis enhancer in carob and pine microcuttings depending on the presence/absence of exogenous indole-3-butyric acid. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 126, 411-427.	2.3	22
21	Exogenous polyamines improve rooting of hazel microshoots. <i>Plant Cell, Tissue and Organ Culture</i> , 1994, 36, 303-308.	2.3	19
22	Molecular study of drought response in the Mediterranean conifer <i>Pinus pinaster</i> Ait.: Differential transcriptomic profiling reveals constitutive water deficit-independent drought tolerance mechanisms. <i>Ecology and Evolution</i> , 2020, 10, 9788-9807.	1.9	19
23	A Perspective on Adventitious Root Formation in Tree Species. <i>Plants</i> , 2020, 9, 1789.	3.5	19
24	Adventitious rooting adjuvant activity of 1,3-di(benzo[d]oxazol-5-yl)urea and 1,3-di(benzo[d]oxazol-6-yl)urea: new insights and perspectives. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 118, 111-124.	2.3	18
25	Effect of repeated severe pruning on endogenous polyamine content in hazelnut trees. <i>Physiologia Plantarum</i> , 1994, 92, 487-492.	5.2	16
26	Rootstock effects on scion gene expression in maritime pine. <i>Scientific Reports</i> , 2021, 11, 11582.	3.3	12
27	Effect of different cryoprotectant procedures on the recovery and maturation ability of cryopreserved <i>Pinus pinea</i> embryogenic lines of different ages. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2017, 53, 469-477.	2.1	11
28	Effect of polar auxin transport and gibberellins on xylem formation in pine cuttings under adventitious rooting conditions. <i>Israel Journal of Plant Sciences</i> , 2020, 67, 27-39.	0.5	11
29	Comprehensive analysis of the <i>isomiRome</i> in the vegetative organs of the conifer <i>Pinus pinaster</i> under contrasting water availability. <i>Plant, Cell and Environment</i> , 2021, 44, 706-728.	5.7	9
30	Adventitious Root Formation in Tree Species. <i>Plants</i> , 2021, 10, 486.	3.5	8
31	Differential Gene Expression During Maturation-Caused Decline in Adventitious Rooting Ability in Loblolly Pine (<i>Pinus taeda</i> L.), 1997, , 203-208.		7
32	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.	5.2	6
33	Screening of genes associated with early stages of adventitious root formation from progenitor adult cells of pine. <i>BMC Proceedings</i> , 2011, 5, .	1.6	5
34	Expression Levels of Genes Encoding Proteins Involved in the Cell Wall-Plasma Membrane-Cytoskeleton Continuum Are Associated With the Maturation-Related Adventitious Rooting Competence of Pine Stem Cuttings. <i>Frontiers in Plant Science</i> , 2021, 12, 783783.	3.6	5
35	Free polyamine content in leaves and buds of hazelnut (<i>Corylus avellana</i> L. cv. Negret) trees subjected to repeated severe pruning. <i>Scientia Horticulturae</i> , 1998, 76, 115-121.	3.6	4
36	Expression pattern of the GRAS gene family during somatic embryogenesis in pine. <i>BMC Proceedings</i> , 2011, 5, .	1.6	4

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37	Maritime Pine Genomics in Focus. Compendium of Plant Genomes, 2022, , 67-123.	0.5	4
38	The uniqueness of conifers. , 2013, , 67-96.		3
39	Promoting a functional and comparative understanding of the conifer genome- implementing applied aspects for more productive and adapted forests (ProCoGen). BMC Proceedings, 2011, 5, .	1.6	2
40	Gene expression patterns associated with developmental transitions during somatic embryogenesis in pine. BMC Proceedings, 2011, 5, .	1.6	0
41	Improvement of Eucalyptus sp for biomass and bioenergy production in the north of Spain. BMC Proceedings, 2011, 5, .	1.6	0
42	Changes in Polyamines Related with Pruning as a Method for Rejuvenation in Filbert. , 1990, , 439-443.		0