

Elena Corredoira

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

1,392
citations

279701

23
h-index

360920

35
g-index

60
all docs

60
docs citations

60
times ranked

1010
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioremediation of 2,4,6-Trinitrotoluene by Bacterial Nitroreductase Expressing Transgenic Aspen. <i>Environmental Science & Technology</i> , 2008, 42, 7405-7410.	4.6	148
2	Proliferation, Maturation and Germination of <i>Castanea sativa</i> Mill. Somatic Embryos Originated from Leaf Explants. <i>Annals of Botany</i> , 2003, 92, 129-136.	1.4	87
3	Induction of somatic embryogenesis in explants of shoot cultures established from adult <i>Eucalyptus globulus</i> and <i>E. saligna</i> x <i>E. maidenii</i> trees. <i>Tree Physiology</i> , 2015, 35, 678-690.	1.4	61
4	Initiation of leaf somatic embryogenesis involves high pectin esterification, auxin accumulation and DNA demethylation in <i>Quercus alba</i> . <i>Journal of Plant Physiology</i> , 2017, 213, 42-54.	1.6	56
5	Application of biotechnological tools to <i>Quercus</i> improvement. <i>European Journal of Forest Research</i> , 2012, 131, 519-539.	1.1	51
6	Non-Zygotic Embryogenesis in Hardwood Species. <i>Critical Reviews in Plant Sciences</i> , 2019, 38, 29-97.	2.7	50
7	Thidiazuron-induced high-frequency plant regeneration from leaf explants of <i>Paulownia tomentosa</i> mature trees. <i>Plant Cell, Tissue and Organ Culture</i> , 2008, 95, 197-208.	1.2	47
8	In vitro regeneration of the important North American oak species <i>Quercus alba</i> , <i>Quercus bicolor</i> and <i>Quercus rubra</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2009, 98, 135-145.	1.2	47
9	<i>Agrobacterium</i> -mediated transformation of European chestnut embryogenic cultures. <i>Plant Cell Reports</i> , 2004, 23, 311-318.	2.8	44
10	Shoot apex explants for induction of somatic embryogenesis in mature <i>Quercus robur</i> L. trees. <i>Plant Cell Reports</i> , 2010, 29, 661-671.	2.8	43
11	Holm Oak Somatic Embryogenesis: Current Status and Future Perspectives. <i>Frontiers in Plant Science</i> , 2019, 10, 239.	1.7	37
12	Morphohistological analysis of the origin and development of somatic embryos from leaves of mature <i>Quercus robur</i> . <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2006, 42, 525-533.	0.9	36
13	Micropropagation of mature <i>Quercus ilex</i> L. trees by axillary budding. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 131, 499-512.	1.2	36
14	Somatic Embryogenesis in Elm. <i>Annals of Botany</i> , 2002, 89, 637-644.	1.4	35
15	Genetic transformation of European chestnut somatic embryos with a native thaumatin-like protein (CsTL1) gene isolated from <i>Castanea sativa</i> seeds. <i>Tree Physiology</i> , 2012, 32, 1389-1402.	1.4	33
16	Improving genetic transformation of European chestnut and cryopreservation of transgenic lines. <i>Plant Cell, Tissue and Organ Culture</i> , 2007, 91, 281-288.	1.2	32
17	Improved secondary embryo production in <i>Quercus alba</i> and <i>Q. rubra</i> by activated charcoal, silver thiosulphate and sucrose: influence of embryogenic explant used for subculture. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 121, 531-546.	1.2	32
18	Induction of somatic embryogenesis from different explants of shoot cultures derived from young <i>Quercus alba</i> trees. <i>Trees - Structure and Function</i> , 2012, 26, 881-891.	0.9	31

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19	Propagation of mature <i>Quercus ilex</i> L. (holm oak) trees by somatic embryogenesis. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 131, 321-333.	1.2	31
20	Somatic embryogenesis in holm oak male catkins. <i>Plant Growth Regulation</i> , 2013, 71, 261-270.	1.8	27
21	<i>Agrobacterium</i> -mediated transformation of European chestnut somatic embryos with a <i>Castanea sativa</i> (Mill.) endochitinase gene. <i>New Forests</i> , 2016, 47, 669-684.	0.7	27
22	Application of Biotechnology in the Conservation of the Genus <i>Castanea</i> . <i>Forests</i> , 2017, 8, 394.	0.9	26
23	Improved germination of somatic embryos and plant recovery of European chestnut. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2008, 44, 307-315.	0.9	25
24	Germination and conversion of somatic embryos derived from mature <i>Quercus robur</i> trees: the effects of cold storage and thidiazuron. <i>Plant Cell, Tissue and Organ Culture</i> , 2008, 95, 341-351.	1.2	24
25	First Report of CRISPR/Cas9 Gene Editing in <i>Castanea sativa</i> Mill. <i>Frontiers in Plant Science</i> , 2021, 12, 728516.	1.7	24
26	Chestnut. , 2012, , 729-769.		23
27	Cryopreservation of somatic embryos of <i>Alnus glutinosa</i> (L.) Gaertn. and confirmation of ploidy stability by flow cytometry. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 123, 489-499.	1.2	19
28	Cryopreservation of zygotic embryo axes and somatic embryos of European chestnut. <i>Cryo-Letters</i> , 2004, 25, 33-42.	0.1	19
29	The positive effect of arabinogalactan on induction of somatic embryogenesis in <i>Quercus bicolor</i> followed by embryo maturation and plant regeneration. <i>Trees - Structure and Function</i> , 2013, 27, 1285-1296.	0.9	17
30	Histología de la regeneración por organogénesis en <i>Paulownia tomentosa</i> (Paulowniaceae). <i>Revista De Biología Tropical</i> , 2014, 62, 809.	0.1	16
31	Somatic embryogenesis in <i>Alnus glutinosa</i> (L.) Gaertn. <i>Trees - Structure and Function</i> , 2013, 27, 1597-1608.	0.9	15
32	Overexpression of the chestnut CsTL1 gene coding for a thaumatin-like protein in somatic embryos of <i>Quercus robur</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 116, 141-151.	1.2	15
33	Plant Tissue Culture of Fast-Growing Trees for Phytoremediation Research. <i>Methods in Molecular Biology</i> , 2012, 877, 247-263.	0.4	13
34	Biotechnological efforts for the propagation of <i>Quercus lusitanica</i> Lam., an endangered species. <i>Trees - Structure and Function</i> , 2017, 31, 1571-1581.	0.9	13
35	First Report on Genome Editing via Ribonucleoprotein (RNP) in <i>Castanea sativa</i> Mill.. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5762.	1.8	13
36	Vegetative Propagation of <i>Phytophthora cinnamomi</i> -Tolerant Holm Oak Genotypes by Axillary Budding and Somatic Embryogenesis. <i>Forests</i> , 2020, 11, 841.	0.9	12

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37	In vitro rhizogenesis: histoanatomy of <i>Cedrela odorata</i> (Meliaceae) microcuttings. <i>Revista De Biologia Tropical</i> , 2011, 59, 447-53.	0.1	12
38	Micropropagation, Characterization, and Conservation of <i>Phytophthora cinnamomi</i> -Tolerant Holm Oak Mature Trees. <i>Forests</i> , 2021, 12, 1634.	0.9	12
39	Micropropagation of threatened black alder. <i>Silva Fennica</i> , 2013, 47, .	0.5	11
40	Proliferation and maintenance of embryogenic capacity in elm embryogenic cultures. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2003, 39, 394-401.	0.9	10
41	Cryopreservation of in vitro-grown shoot tips of <i>Alnus glutinosa</i> (L.) Gaertn.. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 109-116.	1.0	10
42	Regeneration of transgenic plants by <i>Agrobacterium</i> -mediated transformation of <i>Quercus ilex</i> L. somatic embryos with the gene CsTL1. <i>New Forests</i> , 2020, 51, 1003-1021.	0.7	10
43	Cryopreservation of Zygotic Embryonic Axes and Somatic Embryos of European Chestnut. <i>Methods in Molecular Biology</i> , 2011, 710, 201-213.	0.4	10
44	Efficient Transformation of Somatic Embryos and Regeneration of Cork Oak Plantlets with a Gene (CsTL1) Encoding a Chestnut Thaumatin-Like Protein. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1757.	1.8	8
45	Chestnut, European (<i>Castanea sativa</i>). <i>Methods in Molecular Biology</i> , 2015, 1224, 163-176.	0.4	7
46	Cryopreservation of Holm Oak Embryogenic Cultures for Long-Term Conservation and Assessment of Polyploid Stability. <i>Plants</i> , 2022, 11, 1266.	1.6	6
47	Simple strategy for the in vitro conservation of <i>Alnus glutinosa</i> (L.) Gaertn. germplasm. <i>Trees - Structure and Function</i> , 2015, 29, 539-549.	0.9	4
48	Application of Tissue Culture in Plant Reproduction. <i>Forests</i> , 2021, 12, 342.	0.9	3
49	Genetic Transformation of <i>Quercus ilex</i> Somatic Embryos with a Gnk2-like Protein That Reveals a Putative Anti-Oomycete Action. <i>Plants</i> , 2022, 11, 304.	1.6	3
50	Effect of Methyl Jasmonate in Gene Expression, and in Hormonal and Phenolic Profiles of Holm Oak Embryogenic Lines Before and After Infection With <i>Phytophthora cinnamomi</i> . <i>Frontiers in Plant Science</i> , 2022, 13, 824781.	1.7	3
51	Conservation of holm oak (<i>Quercus ilex</i>) by in vitro culture. <i>Mediterranean Botany</i> , 2018, 39, 97-104.	0.9	2
52	Biotechnological Approaches for the Improvement and Conservation of <i>Alnus glutinosa</i> (L.) Gaertner. , 2016, , 467-486.		1
53	Somatic Embryogenesis in <i>Camellia japonica</i> L.: Challenges and Future Prospects. , 2016, , 91-105.		1
54	Application of Thidiazuron in the Micropropagation of Fagaceae. , 2018, , 189-209.		1

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55	CLONING OF CsCPE cDNA FROM CHESTNUT SOMATIC EMBRYOS: COMPARATIVE EXPRESSION ANALYSIS WITH ZYGOTIC EMBRYOS. <i>Acta Horticulturae</i> , 2008, , 93-98.	0.1	1
56	Status of cryopreservation technologies in hardwood fores trees. <i>Cryobiology</i> , 2018, 85, 159-160.	0.3	0
57	Eucalypts (<i>Eucalyptus globulus</i> Labill.). <i>Forestry Sciences</i> , 2018, , 269-282.	0.4	0
58	Holm Oak <i>Quercus ilex</i> L.. <i>Forestry Sciences</i> , 2018, , 181-195.	0.4	0
59	Aplicaci3n de t3cnicas de cultivo "in vitro" en la propagaci3n del aliso con vistas a su conservaci3n. <i>Recursos Rurais</i> , 2012, , .	0.4	0