Paloma Moncalean

List of Publications by Year
in descending order

38 papers	1,140 citations	304743 22 h-index	395702 33 g-index
38 all docs	38 docs citations	38 times ranked	907 citing authors

#	Article	IF	Citations
1	Quantification of endogenous aromatic cytokinins in Pinus radiata embryonal masses after application of heat stress during initiation of somatic embryogenesis. Trees - Structure and Function, 2021, 35, 1075-1080.	1.9	12
2	Embryonal Masses Induced at High Temperatures in Aleppo Pine: Cytokinin Profile and Cytological Characterization. Forests, 2020, 11, 807.	2.1	16
3	Pinus canariensis plant regeneration through somatic embryogenesis. Forest Systems, 2020, 29, eSC05.	0.3	6
4	Temperature and Water Availability During Maturation Affect the Cytokinins and Auxins Profile of Radiata Pine Somatic Embryos. Frontiers in Plant Science, 2018, 9, 1898.	3.6	22
5	Effect of Thermal Stress on Tissue Ultrastructure and Metabolite Profiles During Initiation of Radiata Pine Somatic Embryogenesis. Frontiers in Plant Science, 2018, 9, 2004.	3.6	34
6	Short communication: The effect of changing temperature and agar concentration at proliferation stage in the final success of Aleppo pine somatic embryogenesis. Forest Systems, 2018, 26, eSC05.	0.3	8
7	Are we able to modulate the response of somatic embryos of pines to drought stress?. Acta Horticulturae, 2017, , 77-84.	0.2	7
8	Nurse tissue for embryo rescue: testing new conifer somatic embryogenesis methods in a F1 hybrid pine. Trees - Structure and Function, 2017, 31, 273-283.	1.9	11
9	Different environmental conditions at initiation of radiata pine somatic embryogenesis determine the protein profile of somatic embryos. Plant Biotechnology, 2016, 33, 143-152.	1.0	7
10	Pinus halepensissomatic embryogenesis is affected by the physical and chemical conditions at the initial stages of the process. Journal of Forest Research, 2016, 21, 143-150.	1.4	21
11	Environmental conditions at the initial stages of Pinus radiata somatic embryogenesis affect the production of somatic embryos. Trees - Structure and Function, 2016, 30, 949-958.	1.9	35
12	Somatic Embryogenesis in Pinus spp.. Methods in Molecular Biology, 2016, 1359, 405-415.	0.9	9
13	Gene Expression Profiling of Shoot-Derived Calli from Adult Radiata Pine and Zygotic Embryo-Derived Embryonal Masses. PLoS ONE, 2015, 10, e0128679.	2.5	10
14	Metabolites and hormones are involved in the intraspecific variability of drought hardening in radiata pine. Journal of Plant Physiology, 2015, 188, 64-71.	3.5	69
15	Cold storage of initial plant material affects positively somatic embryogenesis in Pinus radiata. New Forests, 2015, 46, 309-317.	1.7	35
16	Proteomic and transcriptomic analysis of rice tranglutaminase and chloroplast-related proteins. Plant Science, 2014, 229, 142-153.	3.6	3
17	Somatic embryogenesis in Pinus halepensis Mill.: an important ecological species from the Mediterranean forest. Trees - Structure and Function, 2013, 27, 1339-1351.	1.9	31
18	Immunolocalization of IAA and ABA in roots and needles of radiata pine (Pinus radiata) during drought and rewatering. Tree Physiology, 2013, 33, 537-549.	3.1	45

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19	Solute accumulation and elastic modulus changes in six radiata pine breeds exposed to drought. Tree Physiology, 2013, 33, 69-80.	3.1	66
20	Endogenous cytokinin and auxin profiles during in vitro organogenesis from vegetative buds of Pinus radiata adult trees. Physiologia Plantarum, 2013, 148, 214-231.	5.2	42
21	Physiological response to drought in radiata pine: phytohormone implication at leaf level. Tree Physiology, 2012, 32, 435-449.	3.1	62
22	Enhancing initiation and proliferation in radiata pine (Pinus radiata D. Don) somatic embryogenesis through seed family screening, zygotic embryo staging and media adjustments. Acta Physiologiae Plantarum, 2012, 34, 451-460.	2.1	63
23	A combined pathway of somatic embryogenesis and organogenesis to regenerate radiata pine plants. Plant Biotechnology Reports, 2011, 5, 177-186.	1.5	27
24	Testing novel cytokinins for improved in vitro adventitious shoots formation and subsequent ex vitro performance in Pinus radiata. Forestry, 2011, 84, 363-373.	2.3	32
25	Bottlenecks in Pinus radiata somatic embryogenesis: improving maturation and germination. Trees - Structure and Function, 2010, 24, 1061-1071.	1.9	54
26	In vitro regeneration of adult Pinus sylvestris L. trees. South African Journal of Botany, 2010, 76, 158-162.	2.5	38
27	Relative water content,in vitroproliferation, and growth ofActinidia deliciosaplantlets are affected by benzyladenine. New Zealand Journal of Crop and Horticultural Science, 2009, 37, 351-359.	1.3	9
28	Micropropagation of adult Stone Pine (Pinus pinea L.). Trees - Structure and Function, 2009, 23, 835-842.	1.9	29
29	In vitro regeneration of Pinus pinaster adult trees. Canadian Journal of Forest Research, 2008, 38, 2607-2615.	1.7	34
30	An improved micropropagation protocol for stone pine (Pinus pineaÂL.). Annals of Forest Science, 2006, 63, 879-885.	2.0	39
31	Organogenic responses of Pinus pinea cotyledons to hormonal treatments: BA metabolism and cytokinin content. Tree Physiology, 2005, 25, 1-9.	3.1	43
32	Effect of different benzyladenine time pulses on the endogenous levels of cytokinins, indole-3-acetic acid and abscisic acid in micropropagated explants of Actinidia deliciosa. Plant Physiology and Biochemistry, 2003, 41, 149-155.	5.8	10
33	Nutritional and gibberellic acid requirements in kiwifruit vitroponic cultures. In Vitro Cellular and Developmental Biology - Plant, 2003, 39, 49-55.	2.1	24
34	Overexpression ofArabidopsis thalianafarnesyl diphosphate synthase (FPS1S) in transgenicArabidopsisinduces a cell death/senescence-like response and reduced cytokinin levels. Plant Journal, 2002, 30, 123-132.	5.7	102
35	Plant growth regulators as putative physiological markers of developmental stage in Prunus persica. Plant Growth Regulation, 2002, 36, 27-29.	3.4	21
36	In vitro response of Actinidia deliciosa explants to different BA incubation periods. Plant Cell, Tissue and Organ Culture, 2001, 67, 257-266.	2.3	27

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37	Immunocytochemical location of endogenous cytokinins in buds of kiwifruit (Actinidia deliciosa) during the first hours of in vitro culture. The Histochemical Journal, 2001, 33, 403-411.	0.6	4
38	Cytokinins and Mineral Nutrition in Actinidia deliciosa (Kiwi) Shoots Cultured In Vitro. Journal of Plant Physiology, 1999, 155, 606-612.	3.5	33