

# Paloma Moncalean

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Overexpression of <i>Arabidopsis thaliana</i> farnesyl diphosphate synthase (FPS1S) in transgenic <i>Arabidopsis</i> induces a cell death/senescence-like response and reduced cytokinin levels. <i>Plant Journal</i> , 2002, 30, 123-132.	5.7	102
2	Metabolites and hormones are involved in the intraspecific variability of drought hardening in <i>radiata</i> pine. <i>Journal of Plant Physiology</i> , 2015, 188, 64-71.	3.5	69
3	Solute accumulation and elastic modulus changes in six <i>radiata</i> pine breeds exposed to drought. <i>Tree Physiology</i> , 2013, 33, 69-80.	3.1	66
4	Enhancing initiation and proliferation in <i>radiata</i> pine ( <i>Pinus radiata</i> D. Don) somatic embryogenesis through seed family screening, zygotic embryo staging and media adjustments. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 451-460.	2.1	63
5	Physiological response to drought in <i>radiata</i> pine: phytohormone implication at leaf level. <i>Tree Physiology</i> , 2012, 32, 435-449.	3.1	62
6	Bottlenecks in <i>Pinus radiata</i> somatic embryogenesis: improving maturation and germination. <i>Trees - Structure and Function</i> , 2010, 24, 1061-1071.	1.9	54
7	Immunolocalization of IAA and ABA in roots and needles of <i>radiata</i> pine ( <i>Pinus radiata</i> ) during drought and rewatering. <i>Tree Physiology</i> , 2013, 33, 537-549.	3.1	45
8	Organogenic responses of <i>Pinus pinea</i> cotyledons to hormonal treatments: BA metabolism and cytokinin content. <i>Tree Physiology</i> , 2005, 25, 1-9.	3.1	43
9	Endogenous cytokinin and auxin profiles during <i>in vitro</i> organogenesis from vegetative buds of <i>Pinus radiata</i> adult trees. <i>Physiologia Plantarum</i> , 2013, 148, 214-231.	5.2	42
10	An improved micropropagation protocol for stone pine ( <i>Pinus pinea</i> L.). <i>Annals of Forest Science</i> , 2006, 63, 879-885.	2.0	39
11	<i>In vitro</i> regeneration of adult <i>Pinus sylvestris</i> L. trees. <i>South African Journal of Botany</i> , 2010, 76, 158-162.	2.5	38
12	Cold storage of initial plant material affects positively somatic embryogenesis in <i>Pinus radiata</i> . <i>New Forests</i> , 2015, 46, 309-317.	1.7	35
13	Environmental conditions at the initial stages of <i>Pinus radiata</i> somatic embryogenesis affect the production of somatic embryos. <i>Trees - Structure and Function</i> , 2016, 30, 949-958.	1.9	35
14	<i>In vitro</i> regeneration of <i>Pinus pinaster</i> adult trees. <i>Canadian Journal of Forest Research</i> , 2008, 38, 2607-2615.	1.7	34
15	Effect of Thermal Stress on Tissue Ultrastructure and Metabolite Profiles During Initiation of <i>Radiata</i> Pine Somatic Embryogenesis. <i>Frontiers in Plant Science</i> , 2018, 9, 2004.	3.6	34
16	Cytokinins and Mineral Nutrition in <i>Actinidia deliciosa</i> (Kiwi) Shoots Cultured <i>In Vitro</i> . <i>Journal of Plant Physiology</i> , 1999, 155, 606-612.	3.5	33
17	Testing novel cytokinins for improved <i>in vitro</i> adventitious shoots formation and subsequent <i>ex vitro</i> performance in <i>Pinus radiata</i> . <i>Forestry</i> , 2011, 84, 363-373.	2.3	32
18	Somatic embryogenesis in <i>Pinus halepensis</i> Mill.: an important ecological species from the Mediterranean forest. <i>Trees - Structure and Function</i> , 2013, 27, 1339-1351.	1.9	31

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19	Micropropagation of adult Stone Pine ( <i>Pinus pinea</i> L.). <i>Trees - Structure and Function</i> , 2009, 23, 835-842.	1.9	29
20	In vitro response of <i>Actinidia deliciosa</i> explants to different BA incubation periods. <i>Plant Cell, Tissue and Organ Culture</i> , 2001, 67, 257-266.	2.3	27
21	A combined pathway of somatic embryogenesis and organogenesis to regenerate radiata pine plants. <i>Plant Biotechnology Reports</i> , 2011, 5, 177-186.	1.5	27
22	Nutritional and gibberellic acid requirements in kiwifruit vitroponic cultures. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2003, 39, 49-55.	2.1	24
23	Temperature and Water Availability During Maturation Affect the Cytokinins and Auxins Profile of Radiata Pine Somatic Embryos. <i>Frontiers in Plant Science</i> , 2018, 9, 1898.	3.6	22
24	Plant growth regulators as putative physiological markers of developmental stage in <i>Prunus persica</i> . <i>Plant Growth Regulation</i> , 2002, 36, 27-29.	3.4	21
25	<i>Pinus halepensis</i> somatic embryogenesis is affected by the physical and chemical conditions at the initial stages of the process. <i>Journal of Forest Research</i> , 2016, 21, 143-150.	1.4	21
26	Embryonal Masses Induced at High Temperatures in Aleppo Pine: Cytokinin Profile and Cytological Characterization. <i>Forests</i> , 2020, 11, 807.	2.1	16
27	Quantification of endogenous aromatic cytokinins in <i>Pinus radiata</i> embryonal masses after application of heat stress during initiation of somatic embryogenesis. <i>Trees - Structure and Function</i> , 2021, 35, 1075-1080.	1.9	12
28	Nurse tissue for embryo rescue: testing new conifer somatic embryogenesis methods in a F1 hybrid pine. <i>Trees - Structure and Function</i> , 2017, 31, 273-283.	1.9	11
29	Effect of different benzyladenine time pulses on the endogenous levels of cytokinins, indole-3-acetic acid and abscisic acid in micropropagated explants of <i>Actinidia deliciosa</i> . <i>Plant Physiology and Biochemistry</i> , 2003, 41, 149-155.	5.8	10
30	Gene Expression Profiling of Shoot-Derived Calli from Adult Radiata Pine and Zygotic Embryo-Derived Embryonal Masses. <i>PLoS ONE</i> , 2015, 10, e0128679.	2.5	10
31	Relative water content, in vitro proliferation, and growth of <i>Actinidia deliciosa</i> plantlets are affected by benzyladenine. <i>New Zealand Journal of Crop and Horticultural Science</i> , 2009, 37, 351-359.	1.3	9
32	Somatic Embryogenesis in <i>Pinus</i> spp.. <i>Methods in Molecular Biology</i> , 2016, 1359, 405-415.	0.9	9
33	Short communication: The effect of changing temperature and agar concentration at proliferation stage in the final success of Aleppo pine somatic embryogenesis. <i>Forest Systems</i> , 2018, 26, eSC05.	0.3	8
34	Different environmental conditions at initiation of radiata pine somatic embryogenesis determine the protein profile of somatic embryos. <i>Plant Biotechnology</i> , 2016, 33, 143-152.	1.0	7
35	Are we able to modulate the response of somatic embryos of pines to drought stress?. <i>Acta Horticulturae</i> , 2017, , 77-84.	0.2	7
36	<i>Pinus canariensis</i> plant regeneration through somatic embryogenesis. <i>Forest Systems</i> , 2020, 29, eSC05.	0.3	6

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37	Immunocytochemical location of endogenous cytokinins in buds of kiwifruit ( <i>Actinidia deliciosa</i> ) during the first hours of in vitro culture. <i>The Histochemical Journal</i> , 2001, 33, 403-411.	0.6	4
38	Proteomic and transcriptomic analysis of rice transglutaminase and chloroplast-related proteins. <i>Plant Science</i> , 2014, 229, 142-153.	3.6	3