

# Jean-François Trontin

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

837  
citations

623734

14  
h-index

752698

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

828  
citing authors

#	ARTICLE	IF	CITATIONS
1	Maritime Pine Genomics in Focus. <i>Compendium of Plant Genomes</i> , 2022, , 67-123.	0.5	4
2	Constitutive Overexpression of a Conifer WOX2 Homolog Affects Somatic Embryo Development in <i>Pinus pinaster</i> and Promotes Somatic Embryogenesis and Organogenesis in <i>Arabidopsis</i> Seedlings. <i>Frontiers in Plant Science</i> , 2022, 13, 838421.	3.6	7
3	Identification of Metabolic Pathways Differentially Regulated in Somatic and Zygotic Embryos of Maritime Pine. <i>Frontiers in Plant Science</i> , 2022, 13, .	3.6	8
4	Tree "memory": new insights on temperature-induced priming effects during early embryogenesis. <i>Tree Physiology</i> , 2021, 41, 906-911.	3.1	8
5	Transcriptional analysis of arogenate dehydratase genes identifies a link between phenylalanine biosynthesis and lignin biosynthesis. <i>Journal of Experimental Botany</i> , 2020, 71, 3080-3093.	4.8	10
6	Cytological, Biochemical and Molecular Events of the Embryogenic State in Douglas-fir ( <i>Pseudotsuga</i> ) Tj ETQq0 0 0.rgBT /Overlock 10 TF	3.8	18
7	The role of arginine metabolic pathway during embryogenesis and germination in maritime pine ( <i>Pinus</i> ) Tj ETQq1 1 0.784314.rgBT /Over 3P	3.1	3P
8	High gellan gum concentration and secondary somatic embryogenesis: two key factors to improve somatic embryo development in <i>Pseudotsuga menziesii</i> [Mirb.]. <i>Plant Cell, Tissue and Organ Culture</i> , 2018, 132, 137-155.	2.3	46
9	Simple and efficient protocols for the initiation and proliferation of embryogenic tissue of Douglas-fir. <i>Trees - Structure and Function</i> , 2018, 32, 175-190.	1.9	29
10	Repetitive somatic embryogenesis induced cytological and proteomic changes in embryogenic lines of <i>Pseudotsuga menziesii</i> [Mirb.]. <i>BMC Plant Biology</i> , 2018, 18, 164.	3.6	33
11	Somatic Embryogenesis for More Effective Breeding and Deployment of Improved Varieties in <i>Pinus</i> spp.: Bottlenecks and Recent Advances. , 2016, , 319-365.		22
12	Advances in Conifer Somatic Embryogenesis Since Year 2000. <i>Methods in Molecular Biology</i> , 2016, 1359, 131-166.	0.9	67
13	Forest tree genomics: 10 achievements from the past 10 years and future prospects. <i>Annals of Forest Science</i> , 2016, 73, 77-103.	2.0	91
14	Molecular Aspects of Conifer Zygotic and Somatic Embryo Development: A Review of Genome-Wide Approaches and Recent Insights. <i>Methods in Molecular Biology</i> , 2016, 1359, 167-207.	0.9	59
15	Cotyledonary somatic embryos of <i>Pinus pinaster</i> Ait. most closely resemble fresh, maturing cotyledonary zygotic embryos: biological, carbohydrate and proteomic analyses. <i>Planta</i> , 2014, 240, 1075-1095.	3.2	48
16	<i>De novo</i> assembly of maritime pine transcriptome: implications for forest breeding and biotechnology. <i>Plant Biotechnology Journal</i> , 2014, 12, 286-299.	8.3	115
17	Early molecular events involved in <i>Pinus pinaster</i> Ait. somatic embryo development under reduced water availability: transcriptomic and proteomic analyses. <i>Physiologia Plantarum</i> , 2014, 152, 184-201.	5.2	81
18	Expression patterns of two glutamine synthetase genes in zygotic and somatic pine embryos support specific roles in nitrogen metabolism during embryogenesis. <i>New Phytologist</i> , 2006, 169, 35-44.	7.3	39

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19	Long-term subculture randomly affects morphology and subsequent maturation of early somatic embryos in maritime pine. <i>Plant Cell, Tissue and Organ Culture</i> , 2006, 87, 95-108.	2.3	48
20	High subculture frequency, maltose-based and hormone-free medium sustained early development of somatic embryos in maritime pine. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2005, 41, 494-504.	2.1	36
21	Molecular evidence of true-to-type propagation of a 3-year-old Norway spruce through somatic embryogenesis. <i>Planta</i> , 2001, 213, 828-832.	3.2	37