

Luc Harvengt

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,426
citations

279778

23
h-index

434170

31
g-index

36
all docs

36
docs citations

36
times ranked

1572
citing authors

#	ARTICLE	IF	CITATIONS
1	Somatic embryogenesis in forestry with a focus on Europe: state-of-the-art, benefits, challenges and future direction. <i>Tree Genetics and Genomes</i> , 2013, 9, 883-899.	1.6	155
2	Xenomic networks variability and adaptation traits in wood decaying fungi. <i>Microbial Biotechnology</i> , 2013, 6, 248-263.	4.2	122
3	<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
4	Initiation of somatic embryogenesis in <i>Pinus banksiana</i> , <i>P. strobus</i> , <i>P. pinaster</i> , and <i>P. sylvestris</i> at three laboratories in Canada and France. <i>Plant Cell, Tissue and Organ Culture</i> , 2006, 86, 87-101.	2.3	81
5	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
6	Establishment of a cryopreserved gene bank of European elms. <i>Canadian Journal of Forest Research</i> , 2004, 34, 43-55.	1.7	67
7	Improved RAPD amplification of recalcitrant plant DNA by the use of activated charcoal during DNA extraction. <i>Plant Breeding</i> , 1996, 115, 205-206.	1.9	54
8	In Vitro vs In Silico Detected SNPs for the Development of a Genotyping Array: What Can We Learn from a Non-Model Species?. <i>PLoS ONE</i> , 2010, 5, e11034.	2.5	52
9	Association mapping for growth, straightness and wood chemistry traits in the <i>Pinus pinaster</i> Aquitaine breeding population. <i>Tree Genetics and Genomes</i> , 2012, 8, 113-126.	1.6	51
10	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
11	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
12	Selection and validation of enzymatic activities as functional markers in wood biotechnology and fungal ecology. <i>Journal of Microbiological Methods</i> , 2013, 92, 157-163.	1.6	41
13	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
14	Diversification of Fungal Specific Class A Glutathione Transferases in Saprotrophic Fungi. <i>PLoS ONE</i> , 2013, 8, e80298.	2.5	38
15	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
16	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
17	Characterization of a <i>Phanerochaete chrysosporium</i> Glutathione Transferase Reveals a Novel Structural and Functional Class with Ligandin Properties. <i>Journal of Biological Chemistry</i> , 2012, 287, 39001-39011.	3.4	33
18	Paternity recovery in two maritime pine polycross mating designs and consequences for breeding. <i>Tree Genetics and Genomes</i> , 2015, 11, 1.	1.6	33

#	ARTICLE	IF	CITATIONS
19	Towards genetic engineering of maritime pine (<i>Pinus pinaster</i> Ait.). <i>Annals of Forest Science</i> , 2002, 59, 687-697.	2.0	32
20	The role of arginine metabolic pathway during embryogenesis and germination in maritime pine (<i>Pinus</i>) Tj ETQq0 0 0 rgBT /Overlock 10	3.1	31
21	Genetic parameters of growth, straightness and wood chemistry traits in <i>Pinus pinaster</i> . <i>Annals of Forest Science</i> , 2011, 68, 873-884.	2.0	28
22	Influence of the embryonal-suspensor mass (ESM) sampling on development and proliferation of maritime pine somatic embryos. <i>Plant Science</i> , 2001, 160, 473-479.	3.6	27
23	Long cold exposure induces transcriptional and biochemical remodelling of xylem secondary cell wall in <i>Eucalyptus</i> . <i>Tree Physiology</i> , 2018, 38, 409-422.	3.1	27
24	Expression of intron-encoded maturase-like polypeptides in potato chloroplasts. <i>Current Genetics</i> , 1994, 25, 158-163.	1.7	26
25	Special trends in <scp>CBF</scp> and <scp>DREB2</scp> groups in <i>Eucalyptus gunnii</i> vs <i>Eucalyptus grandis</i> suggest that <scp>CBF</scp> are master players in the tradeâ€œoff between growth and stress resistance. <i>Physiologia Plantarum</i> , 2017, 159, 445-467.	5.2	24
26	Isolation and characterization of nuclear microsatellite loci in <i>Pinus pinaster</i> Ait. <i>Molecular Ecology Notes</i> , 2005, 5, 57-59.	1.7	21
27	Forward selection in a maritime pine polycross progeny trial using pedigree reconstruction. <i>Annals of Forest Science</i> , 2017, 74, 1.	2.0	16
28	Sink-cell-specific activity of a potato ADP-glucose pyrophosphorylase B-subunit promoter in transgenic potato and tomato plants. <i>Planta</i> , 1997, 203, 133-139.	3.2	15
29	Somatic Embryogenesis in Maritime Pine (<i>Pinus pinaster</i> Ait.). , 2005, , 107-119.		13
30	Two main genetic clusters with high admixture between forest and cultivated chestnut (<i>Castanea</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 00	2.0	13
31	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
32	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
33	Paternity recovery in two maritime pine polycross mating designs and consequences for breeding. , 0, .		1
34	La multiplication des pins. <i>Biofutur</i> , 2000, 2000, 12.	0.0	0
35	Conserver et utiliser les ressources gÃ©nÃ©tiques des Ormes en France : bilan et perspectives. <i>Revue Forestiere Francaise</i> , 2017, , 573.	0.2	0