Luc Harvengt

List of Publications by Year
in descending order

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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	Identification of Metabolic Pathways Differentially Regulated in Somatic and Zygotic Embryos of Maritime Pine. Frontiers in Plant Science, 2022, 13, .	3.6	8
2	Two main genetic clusters with high admixture between forest and cultivated chestnut (Castanea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.0	13
3	Transcriptional analysis of arogenate dehydratase genes identifies a link between phenylalanine biosynthesis and lignin biosynthesis. Journal of Experimental Botany, 2020, 71, 3080-3093.	4.8	10
4	Long cold exposure induces transcriptional and biochemical remodelling of xylem secondary cell wall in Eucalyptus. Tree Physiology, 2018, 38, 409-422.	3.1	27
5	The role of arginine metabolic pathway during embryogenesis and germination in maritime pine (Pinus) Tj ETQq1 1 0.784314 rgBT /Ov	3.1	31
6	Forward selection in a maritime pine polycross progeny trial using pedigree reconstruction. Annals of Forest Science, 2017, 74, 1.	2.0	16
7	Special trends in <scp>CBF</scp> and <scp>DREB2</scp> groups in Eucalyptus gunnii vs Eucalyptus grandis suggest that <scp>CBF</scp> are master players in the tradeâ€off between growth and stress resistance. Physiologia Plantarum, 2017, 159, 445-467.	5.2	24
8	Conserver et utiliser les ressources gÃ©nÃ©tiques des Ormes en France : bilan et perspectives. Revue Forestiere Francaise, 2017, , 573.	0.2	0
9	Paternity recovery in two maritime pine polycross mating designs and consequences for breeding. Tree Genetics and Genomes, 2015, 11, 1.	1.6	33
10	Cotyledonary somatic embryos of Pinus pinaster Ait. most closely resemble fresh, maturing cotyledonary zygotic embryos: biological, carbohydrate and proteomic analyses. Planta, 2014, 240, 1075-1095.	3.2	48
11	De novo assembly of maritime pine transcriptome: implications for forest breeding and biotechnology. Plant Biotechnology Journal, 2014, 12, 286-299.	8.3	115
12	Early molecular events involved inPinus pinasterAit. somatic embryo development under reduced water availability: transcriptomic and proteomic analyses. Physiologia Plantarum, 2014, 152, 184-201.	5.2	81
13	Selection and validation of enzymatic activities as functional markers in wood biotechnology and fungal ecology. Journal of Microbiological Methods, 2013, 92, 157-163.	1.6	41
14	Somatic embryogenesis in forestry with a focus on Europe: state-of-the-art, benefits, challenges and future direction. Tree Genetics and Genomes, 2013, 9, 883-899.	1.6	155
15	Xenomic networks variability and adaptation traits in wood decaying fungi. Microbial Biotechnology, 2013, 6, 248-263.	4.2	122
16	Diversification of Fungal Specific Class A Glutathione Transferases in Saprotrophic Fungi. PLoS ONE, 2013, 8, e80298.	2.5	38
17	Characterization of a Phanerochaete chrysosporium Glutathione Transferase Reveals a Novel Structural and Functional Class with Ligandin Properties. Journal of Biological Chemistry, 2012, 287, 39001-39011.	3.4	33
18	Association mapping for growth, straightness and wood chemistry traits in the Pinus pinaster Aquitaine breeding population. Tree Genetics and Genomes, 2012, 8, 113-126.	1.6	51

#	Article	IF	Citations
19	Genetic parameters of growth, straightness and wood chemistry traits in Pinus pinaster. Annals of Forest Science, 2011, 68, 873-884.	2.0	28
20	In Vitro vs In Silico Detected SNPs for the Development of a Genotyping Array: What Can We Learn from a Non-Model Species?. PLoS ONE, 2010, 5, e11034.	2.5	52
21	Expression patterns of two glutamine synthetase genes in zygotic and somatic pine embryos support specific roles in nitrogen metabolism during embryogenesis. New Phytologist, 2006, 169, 35-44.	7.3	39
22	Initiation of somatic embryogenesis in Pinus banksiana, P. strobus, P. pinaster, and P. sylvestris at three laboratories in Canada and France. Plant Cell, Tissue and Organ Culture, 2006, 86, 87-101.	2.3	81
23	Long-term subculture randomly affects morphology and subsequent maturation of early somatic embryos in maritime pine. Plant Cell, Tissue and Organ Culture, 2006, 87, 95-108.	2.3	48
24	High subculture frequency, maltose-based and hormone-free medium sustained early development of somatic embryos in maritime pine. In Vitro Cellular and Developmental Biology - Plant, 2005, 41, 494-504.	2.1	36
25	Isolation and characterization of nuclear microsatellite loci in Pinus pinaster Ait. Molecular Ecology Notes, 2005, 5, 57-59.	1.7	21
26	Somatic Embryogenesis in Maritime Pine (Pinus pinaster Ait.). , 2005, , 107-119.		13
27	Establishment of a cryopreserved gene bank of European elms. Canadian Journal of Forest Research, 2004, 34, 43-55.	1.7	67
28	Towards genetic engineering of maritime pine (Pinus pinaster Ait.). Annals of Forest Science, 2002, 59, 687-697.	2.0	32
29	Influence of the embryonal-suspensor mass (ESM) sampling on development and proliferation of maritime pine somatic embryos. Plant Science, 2001, 160, 473-479.	3.6	27
30	Molecular evidence of true-to-type propagation of a 3-year-old Norway spruce through somatic embryogenesis. Planta, 2001, 213, 828-832.	3.2	37
31	La multiplication des pins. Biofutur, 2000, 2000, 12.	0.0	0
32	Sink-cell-specific activity of a potato ADP-glucose pyrophosphorylase B-subunit promoter in transgenic potato and tomato plants. Planta, 1997, 203, 133-139.	3.2	15
33	Improved RAPD amplification of recalcitrant plant DNA by the use of activated charcoal during DNA extraction. Plant Breeding, 1996, 115, 205-206.	1.9	54
34	Expression of intron-encoded maturase-like polypeptides in potato chloroplasts. Current Genetics, 1994, 25, 158-163.	1.7	26
35	Paternity recovery in two maritime pine polycross mating designs and consequences for breeding. , 0, .		1