Thierry JoÃ‹t

List of Publications by Year
in descending order

46 papers	3,012 citations	218677 26 h-index	254184 43 g-index
46 all docs	46 docs citations	46 times ranked	3671 citing authors

#	Article	IF	Citations
1	The coffee genome provides insight into the convergent evolution of caffeine biosynthesis. Science, 2014, 345, 1181-1184.	12.6	520
2	Targeted Inactivation of the Plastid ndhB Gene in Tobacco Results in an Enhanced Sensitivity of Photosynthesis to Moderate Stomatal Closure. Plant Physiology, 2000, 123, 1337-1350.	4.8	219
3	Comparative Transcriptome Analysis of Three Oil Palm Fruit and Seed Tissues That Differ in Oil Content and Fatty Acid Composition. Plant Physiology, 2013, 162, 1337-1358.	4.8	200
4	Regulatory Mechanisms Underlying Oil Palm Fruit Mesocarp Maturation, Ripening, and Functional Specialization in Lipid and Carotenoid Metabolism Â Â. Plant Physiology, 2011, 156, 564-584.	4.8	190
5	Cyclic Electron Flow around Photosystem I in C3Plants. In Vivo Control by the Redox State of Chloroplasts and Involvement of the NADH-Dehydrogenase Complex. Plant Physiology, 2002, 128, 760-769.	4.8	179
6	Influence of environmental factors, wet processing and their interactions on the biochemical composition of green Arabica coffee beans. Food Chemistry, 2010, 118, 693-701.	8.2	179
7	Climatic factors directly impact the volatile organic compound fingerprint in green Arabica coffee bean as well as coffee beverage quality. Food Chemistry, 2012, 135, 2575-2583.	8.2	152
8	Involvement of a Plastid Terminal Oxidase in Plastoquinone Oxidation as Evidenced by Expression of the Arabidopsis thaliana Enzyme in Tobacco. Journal of Biological Chemistry, 2002, 277, 31623-31630.	3.4	147
9	Validation of the hexose transporter of Plasmodium falciparum as a novel drug target. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7476-7479.	7.1	133
10	Increased Sensitivity of Photosynthesis to Antimycin A Induced by Inactivation of the Chloroplast ndhB Gene. Evidence for a Participation of the NADH-Dehydrogenase Complex to Cyclic Electron Flow around Photosystem I. Plant Physiology, 2001, 125, 1919-1929.	4.8	122
11	Flocculent activity of a recombinant protein from Moringa oleifera Lam. seeds. Applied Microbiology and Biotechnology, 2002, 60, 114-119.	3.6	92
12	Metabolic pathways in tropical dicotyledonous albuminous seeds: Coffea arabica as a case study. New Phytologist, 2009, 182, 146-162.	7.3	85
13	Flexibility in photosynthetic electron transport: a newly identified chloroplast oxidase involved in chlororespiration. Philosophical Transactions of the Royal Society B: Biological Sciences, 2000, 355, 1447-1454.	4.0	66
14	Ecological significance of seed desiccation sensitivity in Quercus ilex. Annals of Botany, 2013, 111, 693-701.	2.9	55
15	Deciphering transcriptional networks that govern Coffea arabica seed development using combined cDNA array and real-time RT-PCR approaches. Plant Molecular Biology, 2008, 66, 105-124.	3.9	51
16	Gene coexpression network analysis of oil biosynthesis in an interspecific backcross of oil palm. Plant Journal, 2016, 87, 423-441.	5.7	50
17	Use of the growing environment as a source of variation to identify the quantitative trait transcripts and modules of co-expressed genes that determine chlorogenic acid accumulation. Plant, Cell and Environment, 2010, 33, no-no.	5.7	47
18	Effectiveness of the fatty acid and sterol composition of seeds for the chemotaxonomy of Coffea subgenus Coffea. Phytochemistry, 2008, 69, 2950-2960.	2.9	38

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19	Comparative characterization of hexose transporters of Plasmodium knowlesi, Plasmodium yoelii and Toxoplasma gondii highlights functional differences within the apicomplexan family. Biochemical Journal, 2002, 368, 923-929.	3.7	37
20	Integrative analysis of the late maturation programme and desiccation tolerance mechanisms in intermediate coffee seeds. Journal of Experimental Botany, 2018, 69, 1583-1597.	4.8	35
21	Development of a rapid and efficient DNA-based method to detect and quantify adulterations in coffee (Arabica versus Robusta). Food Control, 2018, 88, 198-206.	5.5	34
22	Case reports: pernicious complications of benign tertian malaria. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2003, 97, 551-553.	1.8	32
23	Genetic diversity and population divergences of an indigenous tree (Coffea mauritiana) in Reunion Island: role of climatic and geographical factors. Heredity, 2019, 122, 833-847.	2.6	30
24	The 'PUCE CAFE' Project: the First 15K Coffee Microarray, a New Tool for Discovering Candidate Genes correlated to Agronomic and Quality Traits. BMC Genomics, 2011, 12, 5.	2.8	29
25	Regulation of galactomannan biosynthesis in coffee seeds. Journal of Experimental Botany, 2014, 65, 323-337.	4.8	27
26	Differential fine-tuning of gene expression regulation in coffee leaves by CcDREB1D promoter haplotypes under water deficit. Journal of Experimental Botany, 2017, 68, 3017-3031.	4.8	26
27	Transport processes in Plasmodium falciparum-infected erythrocytes: potential as new drug targets. International Journal for Parasitology, 2002, 32, 1567-1573.	3.1	25
28	Expression profiles of key phenylpropanoid genes during Vanilla planifolia pod development reveal a positive correlation between PAL gene expression and vanillin biosynthesis. Plant Physiology and Biochemistry, 2014, 74, 304-314.	5.8	25
29	Genotypic and environmental effects on the level of ascorbic acid, phenolic compounds and related gene expression during pineapple fruit development and ripening. Plant Physiology and Biochemistry, 2018, 130, 127-138.	5.8	25
30	Explanatory ecological factors for the persistence of desiccation-sensitive seeds in transient soil seed banks:Quercus ilexas a case study. Annals of Botany, 2016, 117, 165-176.	2.9	24
31	The hexose transporter of Plasmodium falciparum is a worthy drug target. Acta Tropica, 2004, 89, 371-374.	2.0	20
32	Analysis of Plasmodium vivax hexose transporters and effects of a parasitocidal inhibitor. Biochemical Journal, 2004, 381, 905-909.	3.7	19
33	Variation in seed traits among Mediterranean oaks in Tunisia and their ecological significance. Annals of Botany, 2020, 125, 891-904.	2.9	18
34	Non-Photochemical Reduction of Intersystem Electron Carriers in Chloroplasts of Higher Plants and Algae. , 1998, , 1877-1882.		15
35	Seed comparative genomics in three coffee species identify desiccation tolerance mechanisms in intermediate seeds. Journal of Experimental Botany, 2020, 71, 1418-1433.	4.8	14
36	Plant population dynamics on oceanic islands during the Late Quaternary climate changes: genetic evidence from a tree species (Coffea mauritiana) in Reunion Island. New Phytologist, 2019, 224, 974-986.	7.3	11

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37	Coffee seed conservation biology: Fundamental aspects and practical implications. A review. Cahiers Agricultures, 2012, 21, 106-114.	0.9	9
38	Multi-Approach Analysis Reveals Local Adaptation in a Widespread Forest Tree of Reunion Island. Plant and Cell Physiology, 2021, 62, 280-292.	3.1	6
39	Multi-scale comparative transcriptome analysis reveals key genes and metabolic reprogramming processes associated with oil palm fruit abscission. BMC Plant Biology, 2021, 21, 92.	3.6	5
40	Increased Sensitivity of Photosynthesis to Anaerobic Conditions Induced by Targeted Inactivation of the Chloroplast ndhB Gene. , 1998, , 1967-1970.		5
41	Using functional genomics approaches in identifying molecular determinants of coffee quality. A review. Cahiers Agricultures, 2012, 21, 125-133.	0.9	4
42	Environmental and genetic effects on coffee seed biochemical composition and quality. Burleigh Dodds Series in Agricultural Science, 2018, , 49-68.	0.2	4
43	Morphological and histological impacts of the laurina mutation on fructification and seed characteristics in Coffea arabica L.. Trees - Structure and Function, 2014, 28, 585-595.	1.9	3
44	New cup out of old coffee: contribution of parental gene expression legacy to phenotypic novelty in coffee beans of the allopolyploid Coffea arabica L.. Annals of Botany, 2023, 131, 157-170.	2.9	3
45	Redox-related gene expression and sugar accumulation patterns are altered in the edible inflorescence produced by the cultivated form of pacaya palm (Chamaedorea tepejilote). Annals of Botany, 2021, 128, 231-240.	2.9	1
46	Coupled Transcript-Metabolite Profiling: Towards Systems Biology Approaches to Unravel Regulation of Seed Secondary Metabolism. , 2012, , 367-385.		1