AngÃ©lique D'hont

List of Publications by Year
in descending order

30 papers	4,686 citations	257450 24 h-index	454955 30 g-index
31 all docs	31 docs citations	31 times ranked	5013 citing authors

#	Article	IF	Citations
1	The banana (Musa acuminata) genome and the evolution of monocotyledonous plants. Nature, 2012, 488, 213-217.	27.8	1,049
2	The genome of Theobroma cacao. Nature Genetics, 2011, 43, 101-108.	21.4	656
3	Chromosome-scale assemblies of plant genomes using nanopore long reads and optical maps. Nature Plants, 2018, 4, 879-887.	9.3	316
4	A mosaic monoploid reference sequence for the highly complex genome of sugarcane. Nature Communications, 2018, 9, 2638.	12.8	299
5	Determination of basic chromosome numbers in the genusSaccharumby physical mapping of ribosomal RNA genes. Genome, 1998, 41, 221-225.	2.0	262
6	RFLP Mapping in Cultivated Sugarcane (Saccharum spp.): Genome Organization in a Highly Polyploid and Aneuploid Interspecific Hybrid. Genetics, 1996, 142, 987-1000.	2.9	187
7	Two Evolutionarily Distinct Classes of Paleopolyploidy. Molecular Biology and Evolution, 2014, 31, 448-454.	8.9	159
8	Molecular cytogenetic investigation of chromosome composition and transmission in sugarcane. Molecular Genetics and Genomics, 2010, 284, 65-73.	2.1	157
9	Orthologous comparison in a gene-rich region among grasses reveals stability in the sugarcane polyploid genome. Plant Journal, 2007, 50, 574-585.	5.7	154
10	The Banana Genome Hub. Database: the Journal of Biological Databases and Curation, 2013, 2013, bat035.	3.0	151
11	Musa balbisiana genome reveals subgenome evolution and functional divergence. Nature Plants, 2019, 5, 810-821.	9.3	132
12	Improvement of the banana â€œMusa acuminataâ€•reference sequence using NGS data and semi-automated bioinformatics methods. BMC Genomics, 2016, 17, 243.	2.8	129
13	Diploid/Polyploid Syntenic Shuttle Mapping and Haplotype-Specific Chromosome Walking Toward a Rust Resistance Gene (Bru1) in Highly Polyploid Sugarcane (2n â¼ 12x â¼ 115). Genetics, 2008, 180, 649-660.	2.9	110
14	Insights into the Musa genome: Syntenic relationships to rice and between Musa species. BMC Genomics, 2008, 9, 58.	2.8	105
15	Oligoclonal interspecific origin of 'North Indian' and 'Chinese' sugarcanes. Chromosome Research, 2002, 10, 253-262.	2.2	101
16	The Complete Chloroplast Genome of Banana (Musa acuminata, Zingiberales): Insight into Plastid Monocotyledon Evolution. PLoS ONE, 2013, 8, e67350.	2.5	88
17	Telomere-to-telomere gapless chromosomes of banana using nanopore sequencing. Communications Biology, 2021, 4, 1047.	4.4	86
18	Analysis of genome-wide linkage disequilibrium in the highly polyploid sugarcane. Theoretical and Applied Genetics, 2008, 116, 701-714.	3.6	79

#	Article	IF	Citations
19	High homologous gene conservation despite extreme autopolyploid redundancy in sugarcane. New Phytologist, 2011, 189, 629-642.	7.3	69
20	Recombination and Large Structural Variations Shape Interspecific Edible Bananas Genomes. Molecular Biology and Evolution, 2019, 36, 97-111.	8.9	58
21	Genome ancestry mosaics reveal multiple and cryptic contributors to cultivated banana. Plant Journal, 2020, 102, 1008-1025.	5.7	48
22	Expansion of banana (Musa acuminata) gene families involved in ethylene biosynthesis and signalling after lineageâ€specific wholeâ€genome duplications. New Phytologist, 2014, 202, 986-1000.	7.3	47
23	Homoeologous chromosome pairing between the A and B genomes of Musa spp. revealed by genomic in situ hybridization. Annals of Botany, 2011, 108, 975-981.	2.9	36
24	Chromosome reciprocal translocations have accompanied subspecies evolution in bananas. Plant Journal, 2020, 104, 1698-1711.	5.7	35
25	Three new genome assemblies support a rapid radiation in Musa acuminata (wild banana). Genome Biology and Evolution, 2018, 10, 3129-3140.	2.5	29
26	Cytogenetic evidence of mixed disomic and polysomic inheritance in an allotetraploid (AABB) Musa genotype. Annals of Botany, 2012, 110, 1593-1606.	2.9	28
27	Three founding ancestral genomes involved in the origin of sugarcane. Annals of Botany, 2021, 127, 827-840.	2.9	25
28	Evolution of the Banana Genome (Musa acuminata) Is Impacted by Large Chromosomal Translocations. Molecular Biology and Evolution, 2017, 34, 2140-2152.	8.9	23
29	Two large reciprocal translocations characterized in the disease resistance-rich burmannica genetic group of Musa acuminata. Annals of Botany, 2019, 124, 319-329.	2.9	15
30	Detection of dynamic QTLs for traits related to organoleptic quality during banana ripening. Scientia Horticulturae, 2022, 293, 110690.	3.6	6