William Thompson

List of Publications by Year in descending order

23 papers	1,737 citations	471061 17 h-index	642321 23 g-index
23 all docs	23 docs citations	23 times ranked	2059 citing authors

#	Article	IF	Citations
1	A modified protocol for rapid DNA isolation from plant tissues using cetyltrimethylammonium bromide. Nature Protocols, 2006, 1, 2320-2325.	5.5	839
2	Nuclear scaffolds and scaffold-attachment regions in higher plants.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 9320-9324.	3.3	144
3	Ferredoxin-1 mRNA is destabilized by changes in photosynthetic electron transport. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 9009-9013.	3.3	93
4	Matrix attachment regions increase transgene expression levels and stability in transgenic rice plants and their progeny. Plant Journal, 1999, 18, 233-242.	2.8	93
5	Arabidopsis thaliana Chromosome 4 Replicates in Two Phases That Correlate with Chromatin State. PLoS Genetics, 2010, 6, e1000982.	1.5	65
6	A tobacco matrix attachment region reduces the loss of transgene expression in the progeny of transgenic tobacco plants. Plant Journal, 1999, 18, 253-263.	2.8	64
7	Dynamic Localization of the DNA Replication Proteins MCM5 and MCM7 in Plants Â Â. Plant Physiology, 2009, 150, 658-669.	2.3	57
8	Gene targeting in plants: fingers on the move. Trends in Plant Science, 2006, 11, 159-161.	4.3	40
9	Elevation of transgene expression level by flanking matrix attachment regions (MAR) is promoter dependent: a study of the interactions of six promoters with the RB7 3' MAR. Transgenic Research, 2003, 12, 3-12.	1.3	38
10	Loss of Small-RNA-Directed DNA Methylation in the Plant Cell Cycle Promotes Germline Reprogramming and Somaclonal Variation. Current Biology, 2021, 31, 591-600.e4.	1.8	36
11	Matrix attachment regions and regulated transcription increase and stabilize transgene expression. Plant Biotechnology Journal, 2005, 3, 535-543.	4.1	34
12	A maize root tip system to study DNA replication programmes in somatic and endocycling nuclei during plant development. Journal of Experimental Botany, 2014, 65, 2747-2756.	2.4	32
13	Defining multiple, distinct, and shared spatiotemporal patterns of DNA replication and endoreduplication from 3D image analysis of developing maize (Zea mays L.) root tip nuclei. Plant Molecular Biology, 2015, 89, 339-351.	2.0	31
14	Introduction of a plant intron into the luciferase gene ofPhotinus pyralis. Plant Molecular Biology Reporter, 1997, 15, 186-196.	1.0	30
15	Genomic Analysis of the DNA Replication Timing Program during Mitotic S Phase in Maize (Zea) Tj ETQq1 1 0.784314 rgBT /Overlo	3.1	28
16	A flow cytometric method for estimating S-phase duration in plants. Journal of Experimental Botany, 2016, 67, 6077-6087.	2.4	24
17	Differential Top10 promoter regulation by six tetracycline analogues in plant cells. Journal of Experimental Botany, 2002, 53, 1871-1877.	2.4	20
18	In Vivo Mapping of Arabidopsis Scaffold/Matrix Attachment Regions Reveals Link to Nucleosome-Disfavoring Poly(dA:dT) Tracts. Plant Cell, 2014, 26, 102-120.	3.1	19

#	Article	IF	Citations
19	High-throughput transgene copy number estimation by competitive PCR. Plant Molecular Biology Reporter, 2002, 20, 265-277.	1.0	15
20	Analysis of trans-silencing interactions using transcriptional silencers of varying strength and targets with and without flanking nuclear matrix attachment regions. Transgenic Research, 2003, 12, 305-318.	1.3	13
21	Light Modulation of Ferredoxin mRNA Abundance Requires an Open Reading Frame. Plant Cell, 1994, 6, 1171.	3.1	9
22	Arabidopsis DNA Replication Initiates in Intergenic, AT-Rich Open Chromatin. Plant Physiology, 2020, 183, 206-220.	2.3	9
23	Comparing DNA replication programs reveals large timing shifts at centromeres of endocycling cells in maize roots. PLoS Genetics, 2020, 16, e1008623.	1.5	4