

William Thompson

List of Publications by Year in descending order

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23
papers

1,737
citations

471509
17
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642732
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docs citations

23
times ranked

2059
citing authors

#	ARTICLE	IF	CITATIONS
1	Loss of Small-RNA-Directed DNA Methylation in the Plant Cell Cycle Promotes Germline Reprogramming and Somaclonal Variation. <i>Current Biology</i> , 2021, 31, 591-600.e4.	3.9	36
2	Arabidopsis DNA Replication Initiates in Intergenic, AT-Rich Open Chromatin. <i>Plant Physiology</i> , 2020, 183, 206-220.	4.8	9
3	Comparing DNA replication programs reveals large timing shifts at centromeres of endocycling cells in maize roots. <i>PLoS Genetics</i> , 2020, 16, e1008623.	3.5	4
4	Genomic Analysis of the DNA Replication Timing Program during Mitotic S Phase in Maize (<i>Zea mays</i> L.) Root Tip Nuclei. <i>Plant Physiology</i> , 2020, 183, 206-220.	6.6	28
5	A flow cytometric method for estimating S-phase duration in plants. <i>Journal of Experimental Botany</i> , 2016, 67, 6077-6087.	4.8	24
6	Defining multiple, distinct, and shared spatiotemporal patterns of DNA replication and endoreduplication from 3D image analysis of developing maize (<i>Zea mays</i> L.) root tip nuclei. <i>Plant Molecular Biology</i> , 2015, 89, 339-351.	3.9	31
7	In Vivo Mapping of <i>Arabidopsis</i> Scaffold/Matrix Attachment Regions Reveals Link to Nucleosome-Disfavoring Poly(dA:dT) Tracts. <i>Plant Cell</i> , 2014, 26, 102-120.	6.6	19
8	A maize root tip system to study DNA replication programmes in somatic and endocycling nuclei during plant development. <i>Journal of Experimental Botany</i> , 2014, 65, 2747-2756.	4.8	32
9	<i>Arabidopsis thaliana</i> Chromosome 4 Replicates in Two Phases That Correlate with Chromatin State. <i>PLoS Genetics</i> , 2010, 6, e1000982.	3.5	65
10	Dynamic Localization of the DNA Replication Proteins MCM5 and MCM7 in Plants. <i>Plant Physiology</i> , 2009, 150, 658-669.	4.8	57
11	A modified protocol for rapid DNA isolation from plant tissues using cetyltrimethylammonium bromide. <i>Nature Protocols</i> , 2006, 1, 2320-2325.	12.0	839
12	Gene targeting in plants: fingers on the move. <i>Trends in Plant Science</i> , 2006, 11, 159-161.	8.8	40
13	Matrix attachment regions and regulated transcription increase and stabilize transgene expression. <i>Plant Biotechnology Journal</i> , 2005, 3, 535-543.	8.3	34
14	Analysis of trans-silencing interactions using transcriptional silencers of varying strength and targets with and without flanking nuclear matrix attachment regions. <i>Transgenic Research</i> , 2003, 12, 305-318.	2.4	13
15	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. <i>Transgenic Research</i> , 2003, 12, 3-12.	2.4	38
16	Differential Top10 promoter regulation by six tetracycline analogues in plant cells. <i>Journal of Experimental Botany</i> , 2002, 53, 1871-1877.	4.8	20
17	High-throughput transgene copy number estimation by competitive PCR. <i>Plant Molecular Biology Reporter</i> , 2002, 20, 265-277.	1.8	15
18	Matrix attachment regions increase transgene expression levels and stability in transgenic rice plants and their progeny. <i>Plant Journal</i> , 1999, 18, 233-242.	5.7	93

#	ARTICLE	IF	CITATIONS
19	A tobacco matrix attachment region reduces the loss of transgene expression in the progeny of transgenic tobacco plants. Plant Journal, 1999, 18, 253-263.	5.7	64
20	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.	7.1	93
21	Introduction of a plant intron into the luciferase gene of Photinus pyralis. Plant Molecular Biology Reporter, 1997, 15, 186-196.	1.8	30
22	Light Modulation of Ferredoxin mRNA Abundance Requires an Open Reading Frame. Plant Cell, 1994, 6, 1171.	6.6	9
23	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.	7.1	144