BÃ©nÃ©dicte Desvoyes

List of Publications by Year
in descending order

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50 papers	1,960 citations	201674 27 h-index	276875 41 g-index
54 all docs	54 docs citations	54 times ranked	2399 citing authors

#	Article	IF	Citations
1	Genome-wide analysis of histone H3.1 and H3.3 variants in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5370-5375.	7.1	211
2	Cell Type-Specific Role of the Retinoblastoma/E2F Pathway during Arabidopsis Leaf Development. Plant Physiology, 2006, 140, 67-80.	4.8	151
3	Genetic Dissection of Tomato Bushy Stunt Virus p19-Protein-Mediated Host-Dependent Symptom Induction and Systemic Invasion. Virology, 2000, 266, 79-87.	2.4	107
4	Auxin and Epigenetic Regulation of SKP2B, an F-Box That Represses Lateral Root Formation Â Â Â. Plant Physiology, 2012, 160, 749-762.	4.8	74
5	Histone H3 Dynamics Reveal Domains with Distinct Proliferation Potential in the Arabidopsis Root. Plant Cell, 2016, 28, 1361-1371.	6.6	71
6	Cell size controlled in plants using DNA content as an internal scale. Science, 2021, 372, 1176-1181.	12.6	70
7	Control of Arabidopsis lateral root primordium boundaries by <scp>MYB</scp>36. New Phytologist, 2017, 213, 105-112.	7.3	65
8	Extensive amplification of the E2F transcription factor binding sites by transposons during evolution of Brassica species. Plant Journal, 2014, 77, 852-862.	5.7	61
9	A comprehensive fluorescent sensor for spatiotemporal cell cycle analysis in Arabidopsis. Nature Plants, 2020, 6, 1330-1334.	9.3	60
10	A new eriophyid mite-borne membrane-enveloped virus-like complex isolated from plants. Virology, 2006, 347, 343-353.	2.4	59
11	A Gene Cluster Encoded by Panicum Mosaic Virus Is Associated with Virus Movement. Virology, 2000, 266, 120-128.	2.4	57
12	Roles of plant retinoblastoma protein: cell cycle and beyond. EMBO Journal, 2020, 39, e105802.	7.8	57
13	A Novel Plant Homeodomain Protein Interacts in a Functionally Relevant Manner with a Virus Movement Protein. Plant Physiology, 2002, 129, 1521-1532.	4.8	55
14	The genes encoding Arabidopsis ORC subunits are E2F targets and the two ORC1 genes are differently expressed in proliferating and endoreplicating cells. Nucleic Acids Research, 2005, 33, 5404-5414.	14.5	53
15	A translational enhancer element on the 3â€²-proximal end of thePanicum mosaic virusgenome. FEBS Letters, 2006, 580, 2591-2597.	2.8	50
16	Novel roles of plant RETINOBLASTOMA-RELATED (RBR) protein in cell proliferation and asymmetric cell division. Journal of Experimental Botany, 2014, 65, 2657-2666.	4.8	49
17	GEM, a member of the GRAM domain family of proteins, is part of the ABA signaling pathway. Scientific Reports, 2016, 6, 22660.	3.3	44
18	Similar yet critically different: the distribution, dynamics and function of histone variants. Journal of Experimental Botany, 2020, 71, 5191-5204.	4.8	39

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19	Looking at plant cell cycle from the chromatin window. Frontiers in Plant Science, 2014, 5, 369.	3.6	37
20	Histone H3 Dynamics in Plant Cell Cycle and Development. Cytogenetic and Genome Research, 2014, 143, 114-124.	1.1	36
21	Biological Activity of Two Tombusvirus Proteins Translated from Nested Genes Is Influenced by Dosage Control via Context-Dependent Leaky Scanning. Molecular Plant-Microbe Interactions, 1999, 12, 670-679.	2.6	34
22	Chromatin dynamics during the plant cell cycle. Seminars in Cell and Developmental Biology, 2008, 19, 537-546.	5.0	34
23	Host-Dependent Recombination of a Tomato bushy stunt virus Coat Protein Mutant Yields Truncated Capsid Subunits That Form Virus-like Complexes Which Benefit Systemic Spread. Virology, 2002, 304, 434-442.	2.4	32
24	The multifunctional plant viral suppressor of gene silencing P19 interacts with itself and an RNA binding host protein. Virology, 2004, 323, 49-58.	2.4	32
25	Balance between cell division and differentiation during plant development. International Journal of Developmental Biology, 2005, 49, 467-477.	0.6	32
26	A newly identified role for Tomato bushy stunt virus P19 in short distance spread. Molecular Plant Pathology, 2003, 4, 67-72.	4.2	28
27	Impact of nucleosome dynamics and histone modifications on cell proliferation during Arabidopsis development. Heredity, 2010, 105, 80-91.	2.6	28
28	Cytotoxic activity of a recombinant GnRH-PAP fusion toxin on human tumor cell lines. FEBS Letters, 2000, 472, 241-246.	2.8	25
29	Timely expression of the <scp>A</scp>rabidopsis stomaâ€fate master regulator <scp>MUTE</scp> is required for specification of other epidermal cell types. Plant Journal, 2013, 75, 808-822.	5.7	25
30	RNA: protein interactions associated with satellites of panicum mosaic virus. FEBS Letters, 2000, 485, 25-28.	2.8	24
31	Deceleration of the cell cycle underpins a switch from proliferative to terminal divisions in plant stomatal lineage. Developmental Cell, 2022, 57, 569-582.e6.	7.0	24
32	Replication of ribosomal DNA in Arabidopsis occurs both inside and outside of the nucleolus during S-phase progression. Journal of Cell Science, 2018, 131, .	2.0	23
33	Proposed mechanism for regulation of H₂O₂â€induced programmed cell death in plants by binding of cytochrome c to 14â€3â€3 proteins. Plant Journal, 2021, 106, 74-85.	5.7	19
34	Identification of a biological inactive complex form of pokeweed antiviral protein. FEBS Letters, 1997, 410, 303-308.	2.8	17
35	Sequential ChIP Protocol for Profiling Bivalent Epigenetic Modifications (ReChIP). Methods in Molecular Biology, 2018, 1675, 83-97.	0.9	17
36	Tools for Assessing Cell-Cycle Progression in Plants. Plant and Cell Physiology, 2021, 62, 1231-1238.	3.1	16

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37	A chromatin perspective of plant cell cycle progression. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2011, 1809, 379-387.	1.9	15
38	The MADS-boxXAANTAL1increases proliferation at the Arabidopsis root stem-cell niche and participates in transition to differentiation by regulating cell-cycle components. Annals of Botany, 2016, 118, 787-796.	2.9	15
39	The Polycomb group protein MEDEA controls cell proliferation and embryonic patterning in Arabidopsis. Developmental Cell, 2021, 56, 1945-1960.e7.	7.0	15
40	Tomato Bushy Stunt Virus Genomic RNA Accumulation Is Regulated by Interdependent cis -Acting Elements within the Movement Protein Open Reading Frames. Journal of Virology, 2002, 76, 12747-12757.	3.4	14
41	A Rapid and Efficient ChIP Protocol to Profile Chromatin Binding Proteins and Epigenetic Modifications in Arabidopsis. Methods in Molecular Biology, 2018, 1675, 71-82.	0.9	13
42	E2Fâ€“DP Transcription Factors. , 0, , 138-163.		10
43	Links of genome replication, transcriptional silencing and chromatin dynamics. Current Opinion in Plant Biology, 2016, 34, 92-99.	7.1	9
44	Origin Recognition Complex (ORC) Evolution Is Influenced by Global Gene Duplication/Loss Patterns in Eukaryotic Genomes. Genome Biology and Evolution, 2020, 12, 3878-3889.	2.5	9
45	pH- and Time-Dependent Release of Phytohormones from Diruthenium Complexes. Inorganic Chemistry, 2020, 59, 7779-7788.	4.0	8
46	Production and Characterization of Monoclonal Antibodies against the Ribosome-Inactivating Protein PAP fromPhytolacca americana. Hybridoma, 1995, 14, 571-575.	0.6	7
47	Development of a double sandwich ELISA able to discriminate between free PAP (pokeweed antiviral) Tj ETQq1 1 0.784314 rgBT /Ove	3.6	6
48	A perspective on cell proliferation kinetics in the root apical meristem. Journal of Experimental Botany, 2021, 72, 6708-6715.	4.8	6
49	GTL1 keeps cell growth and nuclear ploidy under control. EMBO Journal, 2012, 31, 4483-4485.	7.8	5
50	A plant solution to the <scp>CDK</scp> conundrum in the <scp>DNA</scp> damage response. EMBO Journal, 2016, 35, 2061-2063.	7.8	1