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	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
2	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
3	Tools for Assessing Cell-Cycle Progression in Plants. Plant and Cell Physiology, 2021, 62, 1231-1238.	3.1	16
4	Cell size controlled in plants using DNA content as an internal scale. Science, 2021, 372, 1176-1181.	12.6	70
5	A perspective on cell proliferation kinetics in the root apical meristem. Journal of Experimental Botany, 2021, 72, 6708-6715.	4.8	6
6	The Polycomb group protein MEDEA controls cell proliferation and embryonic patterning in Arabidopsis. Developmental Cell, 2021, 56, 1945-1960.e7.	7.0	15
7	A comprehensive fluorescent sensor for spatiotemporal cell cycle analysis in Arabidopsis. Nature Plants, 2020, 6, 1330-1334.	9.3	60
8	Similar yet critically different: the distribution, dynamics and function of histone variants. Journal of Experimental Botany, 2020, 71, 5191-5204.	4.8	39
9	pH- and Time-Dependent Release of Phytohormones from Diruthenium Complexes. Inorganic Chemistry, 2020, 59, 7779-7788.	4.0	8
10	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
11	Roles of plant retinoblastoma protein: cell cycle and beyond. EMBO Journal, 2020, 39, e105802.	7.8	57
12	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
13	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
14	Sequential ChIP Protocol for Profiling Bivalent Epigenetic Modifications (ReChIP). Methods in Molecular Biology, 2018, 1675, 83-97.	0.9	17
15	Control of Arabidopsis lateral root primordium boundaries by <scp>MYB</scp>36. New Phytologist, 2017, 213, 105-112.	7.3	65
16	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
17	Histone H3 Dynamics Reveal Domains with Distinct Proliferation Potential in the Arabidopsis Root. Plant Cell, 2016, 28, 1361-1371.	6.6	71
18	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

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19	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
20	Links of genome replication, transcriptional silencing and chromatin dynamics. Current Opinion in Plant Biology, 2016, 34, 92-99.	7.1	9
21	Histone H3 Dynamics in Plant Cell Cycle and Development. Cytogenetic and Genome Research, 2014, 143, 114-124.	1.1	36
22	Looking at plant cell cycle from the chromatin window. Frontiers in Plant Science, 2014, 5, 369.	3.6	37
23	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
24	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
25	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
26	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
27	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
28	GTL1 keeps cell growth and nuclear ploidy under control. EMBO Journal, 2012, 31, 4483-4485.	7.8	5
29	A chromatin perspective of plant cell cycle progression. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2011, 1809, 379-387.	1.9	15
30	Impact of nucleosome dynamics and histone modifications on cell proliferation during Arabidopsis development. Heredity, 2010, 105, 80-91.	2.6	28
31	Chromatin dynamics during the plant cell cycle. Seminars in Cell and Developmental Biology, 2008, 19, 537-546.	5.0	34
32	A translational enhancer element on the 3â€²-proximal end of thePanicum mosaic virusgenome. FEBS Letters, 2006, 580, 2591-2597.	2.8	50
33	A new eriophyid mite-borne membrane-enveloped virus-like complex isolated from plants. Virology, 2006, 347, 343-353.	2.4	59
34	Cell Type-Specific Role of the Retinoblastoma/E2F Pathway during Arabidopsis Leaf Development. Plant Physiology, 2006, 140, 67-80.	4.8	151
35	Balance between cell division and differentiation during plant development. International Journal of Developmental Biology, 2005, 49, 467-477.	0.6	32
36	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

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37	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
38	A newly identified role for Tomato bushy stunt virus P19 in short distance spread. Molecular Plant Pathology, 2003, 4, 67-72.	4.2	28
39	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
40	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
41	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
42	A Gene Cluster Encoded by Panicum Mosaic Virus Is Associated with Virus Movement. Virology, 2000, 266, 120-128.	2.4	57
43	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
44	Cytotoxic activity of a recombinant GnRH-PAP fusion toxin on human tumor cell lines. FEBS Letters, 2000, 472, 241-246.	2.8	25
45	RNA: protein interactions associated with satellites of panicum mosaic virus. FEBS Letters, 2000, 485, 25-28.	2.8	24
46	Development of a double sandwich ELISA able to discriminate between free PAP (pokeweed antiviral) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.6	6
47	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
48	Identification of a biological inactive complex form of pokeweed antiviral protein. FEBS Letters, 1997, 410, 303-308.	2.8	17
49	Production and Characterization of Monoclonal Antibodies against the Ribosome-Inactivating Protein PAP fromPhytolacca americana. Hybridoma, 1995, 14, 571-575.	0.6	7
50	E2Fâ€“DP Transcription Factors. , 0, , 138-163.		10