Lieven De Veylder

List of Publications by Year
in descending order

179	17,058	10956 71	17546 121
papers	citations	h-index	g-index

230	230	230	12388
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A common F-box gene regulates the leucine homeostasis of Medicago truncatula and Arabidopsis thaliana. Protoplasma, 2022, 259, 277-290.	1.0	5
2	Single-cell transcriptomics sheds light on the identity and metabolism of developing leaf cells. Plant Physiology, 2022, 188, 898-918.	2.3	40
3	Cell cycle checkpoint control in response to DNA damage by environmental stresses. Plant Journal, 2022, 109, 490-507.	2.8	38
4	Cell-wall damage activates DOF transcription factors to promote wound healing and tissue regeneration in Arabidopsis thaliana. Current Biology, 2022, 32, 1883-1894.e7.	1.8	31
5	The Plant Anaphase-Promoting Complex/Cyclosome. Annual Review of Cell and Developmental Biology, 2022, 38, 25-48.	4.0	11
6	A long and stressful day: Photoperiod shapes aluminium tolerance in plants. Journal of Hazardous Materials, 2022, 432, 128704.	6.5	7
7	Mating type specific transcriptomic response to sex inducing pheromone in the pennate diatom Seminavis robusta. ISME Journal, 2021, 15, 562-576.	4.4	17
8	Arabidopsis casein kinase 2 triggers stem cell exhaustion under Al toxicity and phosphate deficiency through activating the DNA damage response pathway. Plant Cell, 2021, 33, 1361-1380.	3.1	26
9	The Arabidopsis GRAS-type SCL28 transcription factor controls the mitotic cell cycle and division plane orientation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	30
10	Diurnal transcript profiling of the diatom Seminavis robusta reveals adaptations to a benthic lifestyle. Plant Journal, 2021, 107, 315-336.	2.8	15
11	G2/M-checkpoint activation in fasciata1 rescues an aberrant S-phase checkpoint but causes genome instability. Plant Physiology, 2021, 186, 1893-1907.	2.3	11
12	Maize ATR safeguards genome stability during kernel development to prevent early endosperm endocycle onset and cell death. Plant Cell, 2021, 33, 2662-2684.	3.1	19
13	Pars Pro Toto: Every Single Cell Matters. Frontiers in Plant Science, 2021, 12, 656825.	1.7	8
14	Three-dimensional quantitative analysis of the Arabidopsis quiescent centre. Journal of Experimental Botany, 2021, 72, 6789-6800.	2.4	6
15	Mitotic recombination between homologous chromosomes drives genomic diversity in diatoms. Current Biology, 2021, 31, 3221-3232.e9.	1.8	29
16	A Mutation in DNA Polymerase Î± Rescues WEE1KO Sensitivity to HU. International Journal of Molecular Sciences, 2021, 22, 9409.	1.8	3
17	Light intensity and spectral composition drive reproductive success in the marine benthic diatom Seminavis robusta. Scientific Reports, 2021, 11, 17560.	1.6	4
18	The plant WEE1 kinase is involved in checkpoint control activation in nematodeâ€induced galls. New Phytologist, 2020, 225, 430-447.	3.5	12

#	Article	IF	Citations
19	The Cyclin CYCA3;4 Is a Postprophase Target of the APC/C^{CCS52A2} E3-Ligase Controlling Formative Cell Divisions in Arabidopsis. Plant Cell, 2020, 32, 2979-2996.	3.1	22
20	Rocks in the auxin stream: Wound-induced auxin accumulation and ERF115 expression synergistically drive stem cell regeneration. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16667-16677.	3.3	63
21	Distinctive Growth and Transcriptional Changes of the Diatom Seminavis robusta in Response to Quorum Sensing Related Compounds. Frontiers in Microbiology, 2020, 11, 1240.	1.5	21
22	The Seminavis robusta genome provides insights into the evolutionary adaptations of benthic diatoms. Nature Communications, 2020, 11, 3320.	5.8	55
23	Suppressor of Gamma Response 1 Modulates the DNA Damage Response and Oxidative Stress Response in Leaves of Cadmium-Exposed Arabidopsis thaliana. Frontiers in Plant Science, 2020, 11, 366.	1.7	24
24	Crystal structure of Arabidopsis thaliana casein kinase 2 Î±1. Acta Crystallographica Section F, Structural Biology Communications, 2020, 76, 182-191.	0.4	3
25	The Discovery of Plant D-Type Cyclins. Plant Cell, 2019, 31, 1194-1195.	3.1	7
26	Associated Bacteria Affect Sexual Reproduction by Altering Gene Expression and Metabolic Processes in a Biofilm Inhabiting Diatom. Frontiers in Microbiology, 2019, 10, 1790.	1.5	21
27	Plant DNA Polymerases. International Journal of Molecular Sciences, 2019, 20, 4814.	1.8	16
28	Endoreplication as a potential driver of cell wall modifications. Current Opinion in Plant Biology, 2019, 51, 58-65.	3.5	34
29	Genome Editing-Based Engineering of CESA3 Dual Cellulose-Inhibitor-Resistant Plants. Plant Physiology, 2019, 180, 827-836.	2.3	26
30	Multiple mechanisms explain how reduced <scp>KRP</scp> expression increases leaf size of Arabidopsis thaliana. New Phytologist, 2019, 221, 1345-1358.	3.5	18
31	Hitting pause on the cell cycle. ELife, 2019, 8, .	2.8	4
32	The Dual Face of Cyclin B1. Trends in Plant Science, 2018, 23, 475-478.	4.3	41
33	The Circadian Clock Sets the Time of DNA Replication Licensing to Regulate Growth in Arabidopsis. Developmental Cell, 2018, 45, 101-113.e4.	3.1	71
34	Emerging role of the plant ERF transcription factors in coordinating wound defense responses and repair. Journal of Cell Science, 2018, 131, .	1.2	70
35	MEDIATOR18 influences Arabidopsis root architecture, represses auxin signaling and is a critical factor for cell viability in root meristems. Plant Journal, 2018, 96, 895-909.	2.8	39
36	A Spatiotemporal DNA Endoploidy Map of the Arabidopsis Root Reveals Roles for the Endocycle in Root Development and Stress Adaptation. Plant Cell, 2018, 30, 2330-2351.	3.1	107

#	Article	IF	Citations
37	Exploiting cell cycle inhibitor genes of the KRP family to control rootâ€knot nematode induced feeding sites in plants. Plant, Cell and Environment, 2017, 40, 1174-1188.	2.8	15
38	Root hydrotropism is controlled via a cortex-specific growth mechanism. Nature Plants, 2017, 3, 17057.	4.7	183
39	Modification of DNA Checkpoints to Confer Aluminum Tolerance. Trends in Plant Science, 2017, 22, 102-105.	4.3	47
40	Wounding Triggers Callus Formation via Dynamic Hormonal and Transcriptional Changes. Plant Physiology, 2017, 175, 1158-1174.	2.3	214
41	Tissue-Specific Control of the Endocycle by the Anaphase Promoting Complex/Cyclosome Inhibitors UVI4 and DEL1. Plant Physiology, 2017, 175, 303-313.	2.3	23
42	Alteration in Auxin Homeostasis and Signaling by Overexpression Of PINOID Kinase Causes Leaf Growth Defects in Arabidopsis thaliana. Frontiers in Plant Science, 2017, 8, 1009.	1.7	27
43	Arabidopsis <scp>COPPER MODIFIED RESISTANCE</scp>1/<scp>PATRONUS</scp>1 is essential for growth adaptation to stress and required for mitotic onset control. New Phytologist, 2016, 209, 177-191.	3.5	19
44	Mitochondrial Defects Confer Tolerance against Cellulose Deficiency. Plant Cell, 2016, 28, 2276-2290.	3.1	57
45	The heterodimeric transcription factor complex ERF115â€“PAT1 grants regeneration competence. Nature Plants, 2016, 2, 16165.	4.7	111
46	A sex-inducing pheromone triggers cell cycle arrest and mate attraction in the diatom Seminavis robusta. Scientific Reports, 2016, 6, 19252.	1.6	76
47	Mechanisms Used by Plants to Cope with DNA Damage. Annual Review of Plant Biology, 2016, 67, 439-462.	8.6	197
48	Itâ€™s Time for Some â€œSiteâ€•Seeing: Novel Tools to Monitor the Ubiquitin Landscape in Arabidopsis thaliana. Plant Cell, 2016, 28, 6-16.	3.1	84
49	Identification of the meiotic toolkit in diatoms and exploration of meiosis-specific SPO11 and RAD51 homologs in the sexual species Pseudo-nitzschia multistriata and Seminavis robusta. BMC Genomics, 2015, 16, 930.	1.2	53
50	PRC2 represses dedifferentiation of mature somatic cells in Arabidopsis. Nature Plants, 2015, 1, 15089.	4.7	160
51	MicroRNA miR396 Regulates the Switch between Stem Cells and Transit-Amplifying Cells in Arabidopsis Roots. Plant Cell, 2015, 27, 3354-3366.	3.1	125
52	Deficiency of the Arabidopsis Helicase RTEL1 Triggers a SOG1-Dependent Replication Checkpoint in Response to DNA Cross-Links. Plant Cell, 2015, 27, 149-161.	3.1	44
53	Functional characterization of the diatom cyclin-dependent kinase A2 as a mitotic regulator reveals plant-like properties in a non-green lineage. BMC Plant Biology, 2015, 15, 86.	1.6	14
54	Cell cycle entry, maintenance, and exit during plant development. Current Opinion in Plant Biology, 2015, 23, 1-7.	3.5	111

#	Article	IF	Citations
55	Lack of RNase H2 activity rescues HU-sensitivity of WEE1 deficient plants. Plant Signaling and Behavior, 2015, 10, e1001226.	1.2	4
56	Deregulation of the Replisome Factor MCMBP Prompts Oncogenesis in Colorectal Carcinomas through Chromosomal Instability. Neoplasia, 2014, 16, 694-709.	2.3	14
57	UV-B-Responsive Association of the Arabidopsis bZIP Transcription Factor ELONGATED HYPOCOTYL5 with Target Genes, Including Its Own Promoter Â. Plant Cell, 2014, 26, 4200-4213.	3.1	171
58	The ASH1-RELATED3 SET-Domain Protein Controls Cell Division Competence of the Meristem and the Quiescent Center of the Arabidopsis Primary Root Â Â. Plant Physiology, 2014, 166, 632-643.	2.3	35
59	Protein degradation during the diatom cell cycle: Annotation and transcriptional analysis of SCF and APC/C ubiquitin ligase genes in Phaeodactylum tricornutum. Marine Genomics, 2014, 14, 39-46.	0.4	15
60	A quiescent path to plant longevity. Trends in Cell Biology, 2014, 24, 443-448.	3.6	69
61	Molecular regulation of the diatom cell cycle. Journal of Experimental Botany, 2014, 65, 2573-2584.	2.4	43
62	TheArabidopsisSIAMESE-RELATED Cyclin-Dependent Kinase Inhibitors SMR5 and SMR7 Regulate the DNA Damage Checkpoint in Response to Reactive Oxygen Species. Plant Cell, 2014, 26, 296-309.	3.1	164
63	Arabidopsis thaliana RNase H2 Deficiency Counteracts the Needs for the WEE1 Checkpoint Kinase but Triggers Genome Instability Â. Plant Cell, 2014, 26, 3680-3692.	3.1	33
64	Chloroplast Dysfunction Causes Multiple Defects in Cell Cycle Progression in the Arabidopsis crumpled leaf Mutant Â Â. Plant Physiology, 2014, 166, 152-167.	2.3	37
65	Comparative Transcriptome Atlases Reveal Altered Gene Expression Modules between Two Cleomaceae C3 and C4 Plant Species Â Â. Plant Cell, 2014, 26, 3243-3260.	3.1	106
66	The Cyclin-Dependent Kinase Inhibitor KRP6 Induces Mitosis and Impairs Cytokinesis in Giant Cells Induced by Plant-Parasitic Nematodes in Arabidopsis Â. Plant Cell, 2014, 26, 2633-2647.	3.1	30
67	Defects in leaf epidermis of Arabidopsis thaliana plants with CDKA;1 activity reduced in the shoot apical meristem. Protoplasma, 2013, 250, 955-961.	1.0	10
68	ERF115 Controls Root Quiescent Center Cell Division and Stem Cell Replenishment. Science, 2013, 342, 860-863.	6.0	263
69	Brassinosteroid production and signaling differentially control cell division and expansion in the leaf. New Phytologist, 2013, 197, 490-502.	3.5	151
70	Centromeric Cohesion Is Protected Twice at Meiosis, by SHUGOSHINs at Anaphase I and by PATRONUS at Interkinesis. Current Biology, 2013, 23, 2090-2099.	1.8	67
71	Multiple Functions of Kip-Related Protein5 Connect Endoreduplication and Cell Elongation Â. Plant Physiology, 2013, 161, 1694-1705.	2.3	41
72	AUREOCHROME1a-Mediated Induction of the Diatom-Specific Cyclin dsCYC2 Controls the Onset of Cell Division in Diatoms (Phaeodactylum tricornutum). Plant Cell, 2013, 25, 215-228.	3.1	136

#	Article	IF	Citations
73	Ectopic expression of K ipâ€related proteins restrains rootâ€knot nematodeâ€feeding site expansion. New Phytologist, 2013, 199, 505-519.	3.5	37
74	OSD1 Promotes Meiotic Progression via APC/C Inhibition and Forms a Regulatory Network with TDM and CYCA1;2/TAM. PLoS Genetics, 2012, 8, e1002865.	1.5	93
75	Combined linkage and association mapping reveals CYCD5;1 as a quantitative trait gene for endoreduplication in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4678-4683.	3.3	55
76	Evidence for a Role of Arabidopsis CDT1 Proteins in Gametophyte Development and Maintenance of Genome Integrity. Plant Cell, 2012, 24, 2779-2791.	3.1	24
77	CCS52 and DEL1 genes are key components of the endocycle in nematodeâ€induced feeding sites. Plant Journal, 2012, 72, 185-198.	2.8	75
78	The Anaphase-Promoting Complex/Cyclosome in Control of Plant Development. Molecular Plant, 2012, 5, 1182-1194.	3.9	70
79	ArabidopsisE2FA stimulates proliferation and endocycle separately through RBR-bound and RBR-free complexes. EMBO Journal, 2012, 31, 1480-1493.	3.5	142
80	Identification of putative cancer genes through data integration and comparative genomics between plants and humans. Cellular and Molecular Life Sciences, 2012, 69, 2041-2055.	2.4	10
81	TheArabidopsis thalianaCheckpoint Kinase WEE1 Protects against Premature Vascular Differentiation during Replication Stress. Plant Cell, 2011, 23, 1435-1448.	3.1	81
82	The auxin signalling network translates dynamic input into robust patterning at the shoot apex. Molecular Systems Biology, 2011, 7, 508.	3.2	520
83	Developmental regulation of CYCA2s contributes to tissue-specific proliferation inArabidopsis. EMBO Journal, 2011, 30, 3430-3441.	3.5	113
84	A kaleidoscopic view of the Arabidopsis core cell cycle interactome. Trends in Plant Science, 2011, 16, 141-150.	4.3	70
85	Molecular control and function of endoreplication in development and physiology. Trends in Plant Science, 2011, 16, 624-634.	4.3	276
86	The E2F transcription factor family regulates CENH3 expression in Arabidopsis thaliana. Plant Journal, 2011, 68, 646-656.	2.8	40
87	Atypical E2F activity coordinates PHR1 photolyase gene transcription with endoreduplication onset. EMBO Journal, 2011, 30, 355-363.	3.5	66
88	Transcriptional analysis of cell growth and morphogenesis in the unicellular green alga Micrasterias(Streptophyta), with emphasis on the role of expansin. BMC Plant Biology, 2011, 11, 128.	1.6	34
89	Model-Based Analysis of Arabidopsis Leaf Epidermal Cells Reveals Distinct Division and Expansion Patterns for Pavement and Guard Cells Â Â. Plant Physiology, 2011, 156, 2172-2183.	2.3	81
90	Phosphorylation of a mitotic kinesin-like protein and a MAPKKK by cyclin-dependent kinases (CDKs) is involved in the transition to cytokinesis in plants. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17844-17849.	3.3	59

#	Article	IF	Citations
91	New Insights into the Control of Endoreduplication: Endoreduplication Could Be Driven by Organ Growth in Arabidopsis Leaves Â. Plant Physiology, 2011, 157, 2044-2055.	2.3	56
92	Light-Dependent Regulation ofDEL1Is Determined by the Antagonistic Action of E2Fb and E2Fc Â Â. Plant Physiology, 2011, 157, 1440-1451.	2.3	58
93	ArabidopsisULTRAVIOLET-B-INSENSITIVE4 Maintains Cell Division Activity by Temporal Inhibition of the Anaphase-Promoting Complex/Cyclosome Â. Plant Cell, 2011, 23, 4394-4410.	3.1	89
94	Auxin-Dependent Cell Cycle Reactivation through Transcriptional Regulation ofArabidopsis E2Faby Lateral Organ Boundary Proteins. Plant Cell, 2011, 23, 3671-3683.	3.1	171
95	A Novel Aux/IAA28 Signaling Cascade Activates GATA23-Dependent Specification of Lateral Root Founder Cell Identity. Current Biology, 2010, 20, 1697-1706.	1.8	431
96	Cyclin-dependent kinase activity retains the shoot apical meristem cells in an undifferentiated state. Plant Journal, 2010, 64, no-no.	2.8	26
97	A replication stress-induced synchronization method for Arabidopsis thaliana root meristems. Plant Journal, 2010, 64, 705-714.	2.8	55
98	Functional Modules in the Arabidopsis Core Cell Cycle Binary Proteinâ€“Protein Interaction Network. Plant Cell, 2010, 22, 1264-1280.	3.1	168
99	The regulatory network of cell-cycle progression is fundamentally different in plants versus yeast or metazoans. Plant Signaling and Behavior, 2010, 5, 1613-1618.	1.2	24
100	SIAMESE Cooperates With the CDH1-like Protein CCS52A1 to Establish Endoreplication in Arabidopsis thaliana Trichomes. Genetics, 2010, 185, 257-268.	1.2	77
101	The MCM-Binding Protein ETG1 Aids Sister Chromatid Cohesion Required for Postreplicative Homologous Recombination Repair. PLoS Genetics, 2010, 6, e1000817.	1.5	58
102	A conditional mutation in Arabidopsis thaliana separase induces chromosome non-disjunction, aberrant morphogenesis and cyclin B1;1 stability. Development (Cambridge), 2010, 137, 953-961.	1.2	30
103	Targeted interactomics reveals a complex core cell cycle machinery in Arabidopsis thaliana. Molecular Systems Biology, 2010, 6, 397.	3.2	315
104	Genome-wide analysis of the diatom cell cycle unveils a novel type of cyclins involved in environmental signaling. Genome Biology, 2010, 11, R17.	13.9	91
105	CDKB1;1 Forms a Functional Complex with CYCA2;3 to Suppress Endocycle Onset Â Â. Plant Physiology, 2009, 150, 1482-1493.	2.3	188
106	Unraveling Transcriptional Control in Arabidopsis Using cis-Regulatory Elements and Coexpression Networks Â Â. Plant Physiology, 2009, 150, 535-546.	2.3	197
107	Eternal Youth, the Fate of Developing Arabidopsis Leaves upon Rhodococcus fascians Infection Â Â Â. Plant Physiology, 2009, 149, 1387-1398.	2.3	26
108	The Arabidopsis thaliana F-Box Protein FBL17 Is Essential for Progression through the Second Mitosis during Pollen Development. PLoS ONE, 2009, 4, e4780.	1.1	124

#	Article	IF	Citations
109	Control of Cell Proliferation, Organ Growth, and DNA Damage Response Operate Independently of Dephosphorylation of the Arabidopsis Cdk1 Homolog CDKA;1 Â. Plant Cell, 2009, 21, 3641-3654.	3.1	106
110	DNA stress checkpoint control and plant development. Current Opinion in Plant Biology, 2009, 12, 23-28.	3.5	100
111	Transcriptional control of the cell cycle. Current Opinion in Plant Biology, 2009, 12, 599-605.	3.5	118
112	Atypical E2Fs: new players in the E2F transcription factor family. Trends in Cell Biology, 2009, 19, 111-118.	3.6	197
113	Quantitative RNA expression analysis with Affymetrix Tiling 1.0R arrays identifies new E2F target genes. Plant Journal, 2009, 57, 184-194.	2.8	65
114	Systematic analysis of cellâ€cycle gene expression during Arabidopsis development. Plant Journal, 2009, 59, 645-660.	2.8	58
115	Translational control of eukaryotic gene expression. Critical Reviews in Biochemistry and Molecular Biology, 2009, 44, 143-168.	2.3	112
116	APC/C ^{CCS52A} complexes control meristem maintenance in the Arabidopsis root. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11806-11811.	3.3	172
117	LCâ€“MS metabolic profiling of Arabidopsis thaliana plant leaves and cell cultures: Optimization of pre-LCâ€“MS procedure parameters. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 871, 37-43.	1.2	42
118	The DNA replication checkpoint aids survival of plants deficient in the novel replisome factor ETG1. EMBO Journal, 2008, 27, 1840-1851.	3.5	85
119	ABAP1 is a novel plant Armadillo BTB protein involved in DNA replication and transcription. EMBO Journal, 2008, 27, 2746-2756.	3.5	71
120	The DOF transcription factor OBP1 is involved in cell cycle regulation in Arabidopsis thaliana. Plant Journal, 2008, 56, 779-792.	2.8	120
121	Atypical E2F activity restrains APC/C ^{CCS52A2} function obligatory for endocycle onset. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14721-14726.	3.3	175
122	ThePRA1Gene Family in Arabidopsis Â. Plant Physiology, 2008, 147, 1735-1749.	2.3	63
123	Physiological and Transcriptomic Evidence for a Close Coupling between Chloroplast Ontogeny and Cell Cycle Progression in the Pennate DiatomSeminavis robustaÂ Â Â Â. Plant Physiology, 2008, 148, 1394-1411.	2.3	65
124	The Arabidopsis COP9 signalosome is essential for G2 phase progression and genomic stability. Development (Cambridge), 2008, 135, 2013-2022.	1.2	79
125	Classical Anticytokinins Do Not Interact with Cytokinin Receptors but Inhibit Cyclin-dependent Kinases. Journal of Biological Chemistry, 2007, 282, 14356-14363.	1.6	20
126	Novel Plant-specific Cyclin-dependent Kinase Inhibitors Induced by Biotic and Abiotic Stresses. Journal of Biological Chemistry, 2007, 282, 25588-25596.	1.6	139

#	Article	IF	Citations
127	Arabidopsis WEE1 Kinase Controls Cell Cycle Arrest in Response to Activation of the DNA Integrity Checkpoint. Plant Cell, 2007, 19, 211-225.	3.1	258
128	The ins and outs of the plant cell cycle. Nature Reviews Molecular Cell Biology, 2007, 8, 655-665.	16.1	314
129	Cell Cycle Regulation in Plant Development. Annual Review of Genetics, 2006, 40, 77-105.	3.2	704
130	What if higher plants lack a CDC25 phosphatase?. Trends in Plant Science, 2006, 11, 474-479.	4.3	65
131	The Arabidopsis leaf as a model system for investigating the role of cell cycle regulation in organ growth. Journal of Plant Research, 2006, 119, 43-50.	1.2	51
132	SIAMESE, a Plant-Specific Cell Cycle Regulator, Controls Endoreplication Onset in Arabidopsis thaliana. Plant Cell, 2006, 18, 3145-3157.	3.1	234
133	Arabidopsis PASTICCINO2 Is an Antiphosphatase Involved in Regulation of Cyclin-Dependent Kinase A. Plant Cell, 2006, 18, 1426-1437.	3.1	40
134	The Cyclin-Dependent Kinase Inhibitor Orysa;KRP1 Plays an Important Role in Seed Development of Rice. Plant Physiology, 2006, 142, 1053-1064.	2.3	101
135	The DP-E2F-like Gene DEL1 Controls the Endocycle in Arabidopsis thaliana. Current Biology, 2005, 15, 59-63.	1.8	173
136	The Role of the Arabidopsis E2FB Transcription Factor in Regulating Auxin-Dependent Cell Division. Plant Cell, 2005, 17, 2527-2541.	3.1	210
137	The Cyclin-Dependent Kinase Inhibitor KRP2 Controls the Onset of the Endoreduplication Cycle during Arabidopsis Leaf Development through Inhibition of Mitotic CDKA;1 Kinase Complexes. Plant Cell, 2005, 17, 1723-1736.	3.1	248
138	The Role of the Cell Cycle Machinery in Resumption of Postembryonic Development. Plant Physiology, 2005, 137, 127-140.	2.3	121
139	The elongata mutants identify a functional Elongator complex in plants with a role in cell proliferation during organ growth. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7754-7759.	3.3	154
140	Genome-Wide Analysis of Gene Expression Profiles Associated with Cell Cycle Transitions in Growing Organs of Arabidopsis. Plant Physiology, 2005, 138, 734-743.	2.3	247
141	Switching the Cell Cycle. Kip-Related Proteins in Plant Cell Cycle Control. Plant Physiology, 2005, 139, 1099-1106.	2.3	142
142	Genome-Wide Identification of Potential Plant E2F Target Genes. Plant Physiology, 2005, 139, 316-328.	2.3	229
143	Analysis of the Spatial Expression Pattern of Seven Kip Related Proteins (KRPs) in the Shoot Apex of Arabidopsis thaliana. Annals of Botany, 2004, 93, 575-580.	1.4	55
144	B1-Type Cyclin-Dependent Kinases Are Essential for the Formation of Stomatal Complexes in Arabidopsis thaliana. Plant Cell, 2004, 16, 945-955.	3.1	173

#	Article	IF	Citations
145	A small CDC25 dual-specificity tyrosine-phosphatase isoform in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13380-13385.	3.3	105
146	A Plant-Specific Subclass of C-Terminal Kinesins Contains a Conserved A-Type Cyclin-Dependent Kinase Site Implicated in Folding and Dimerization. Plant Physiology, 2004, 135, 1417-1429.	2.3	52
147	Conditional, recombinase-mediated expression of genes in plant cell cultures. Plant Journal, 2004, 37, 889-896.	2.8	55
148	Molecular characterization of Arabidopsis PHO80-like proteins, a novel class of CDKA;1-interacting cyclins. Cellular and Molecular Life Sciences, 2004, 61, 1485-97.	2.4	53
149	The Plant-Specific Cyclin-Dependent Kinase CDKB1;1 and Transcription Factor E2Fa-DPa Control the Balance of Mitotically Dividing and Endoreduplicating Cells in Arabidopsis. Plant Cell, 2004, 16, 2683-2692.	3.1	277
150	Characterization of the Arabidopsis thaliana Arath;CDC25 dual-specificity tyrosine phosphatase. Biochemical and Biophysical Research Communications, 2004, 322, 734-739.	1.0	38
151	Novel complexes of cyclin-dependent kinases and a cyclin-like protein from Arabidopsis thaliana with a function unrelated to cell division. Cellular and Molecular Life Sciences, 2003, 60, 401-412.	2.4	64
152	Plant cell cycle transitions. Current Opinion in Plant Biology, 2003, 6, 536-543.	3.5	157
153	Microarray analysis of E2Fa-DPa-overexpressing plants uncovers a cross-talking genetic network between DNA replication and nitrogen assimilation. Journal of Cell Science, 2003, 116, 4249-4259.	1.2	75
154	Genome-Wide Analysis of Core Cell Cycle Genes in Arabidopsis. Plant Cell, 2002, 14, 903-916.	3.1	523
155	Transcriptome analysis during cell division in plants. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14825-14830.	3.3	140
156	Title is missing!. Plant Cell, Tissue and Organ Culture, 2002, 69, 167-176.	1.2	52
157	Characterization of microstructure and cell wall components of Arabidopsis thaliana overexpressing cyclin-dependent kinase inhibitor 2. Phytochemistry Reviews, 2002, 1, 93-99.	3.1	0
158	Control of proliferation, endoreduplication and differentiation by theArabidopsisE2Fa-DPa transcription factor. EMBO Journal, 2002, 21, 1360-1368.	3.5	373
159	Functional Analysis of Cyclin-Dependent Kinase Inhibitors of Arabidopsis. Plant Cell, 2001, 13, 1653-1668.	3.1	595
160	Identification of novel cyclinâ€dependent kinases interacting with the CKS1 protein of Arabidopsis1. Journal of Experimental Botany, 2001, 52, 1381-1382.	2.4	30
161	Analysis of cell division parameters and cell cycle gene expression during the cultivation of Arabidopsis thaliana cell suspensions. Journal of Experimental Botany, 2001, 52, 1625-1633.	2.4	36
162	CKS1At overexpression in Arabidopsis thaliana inhibits growth by reducing meristem size and inhibiting cell-cycle progression. Plant Journal, 2001, 25, 617-626.	2.8	61

#	Article	IF	Citations
163	A Plant-specific Cyclin-dependent Kinase Is Involved in the Control of G2/M Progression in Plants. Journal of Biological Chemistry, 2001, 276, 36354-36360.	1.6	145
164	Identification of novel cyclin-dependent kinases interacting with the CKS1 protein of Arabidopsis. Journal of Experimental Botany, 2001, 52, 1381-1382.	2.4	24
165	Functional Analysis of Cyclin-Dependent Kinase Inhibitors of Arabidopsis. Plant Cell, 2001, 13, 1653.	3.1	47
166	The Arabidopsis thaliana PIN1At Gene Encodes a Single-domain Phosphorylation-dependent Peptidyl Prolylcis/trans Isomerase. Journal of Biological Chemistry, 2000, 275, 10577-10581.	1.6	49
167	Increased leakiness of the tetracyclineâ€inducible Tripleâ€Op promoter in dividing cells renders it unsuitable for high inducible levels of a dominant negative CDC2aAt gene. Journal of Experimental Botany, 2000, 51, 1647-1653.	2.4	17
168	Characterization of two distinct DP-related genes fromArabidopsis thaliana1. FEBS Letters, 2000, 486, 79-87.	1.3	80
169	Cyclin-Dependent Kinases and Cell Division in Plants: The Nexus. Plant Cell, 1999, 11, 509.	3.1	5
170	Expression of CKS1At in Arabidopsis thaliana indicates a role for the protein in both the mitotic and the endoreduplication cycle. Planta, 1999, 207, 496-504.	1.6	59
171	A new D-type cyclin of Arabidopsis thaliana expressed during lateral root primordia formation. Planta, 1999, 208, 453-462.	1.6	135
172	Mutational analysis of twoArabidopsis thalianacyclin-dependent kinases in fission yeast. FEBS Letters, 1999, 446, 182-188.	1.3	25
173	Cyclin-Dependent Kinases and Cell Division in Plantsâ€"The Nexus. Plant Cell, 1999, 11, 509-521.	3.1	340
174	Recombinant Production of the p10CKS1AtProtein fromArabidopsis thalianaand13C and15N Double-Isotopic Enrichment for NMR Studies. Protein Expression and Purification, 1999, 16, 144-151.	0.6	5
175	Identification of proteins interacting with theArabidopsisCdc2aAt protein. Journal of Experimental Botany, 1997, 48, 2113-2114.	2.4	24
176	Herbicide Safener-Inducible Gene Expression in Arabidopsis thaliana. Plant and Cell Physiology, 1997, 38, 568-577.	1.5	55
177	TheArabidopsisCks1At protein binds the cyclin-dependent kinases Cdc2aAt and Cdc2bAt. FEBS Letters, 1997, 412, 446-452.	1.3	90
178	Cell cycle control inArabidopsis thaliana. Acta Botanica Gallica, 1993, 140, 583-590.	0.9	0
179	Physiological Relevance and Molecular Control of the Endocycle in Plants. , 0, , 227-248.		17