

CÃ©cile Raynaud

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

2,578
citations

159585

30
h-index

206112

48
g-index

56
all docs

56
docs citations

56
times ranked

3780
citing authors

#	ARTICLE	IF	CITATIONS
1	The YTH Domain Protein ECT2 Is an m ⁶ A Reader Required for Normal Trichome Branching in Arabidopsis. <i>Plant Cell</i> , 2018, 30, 986-1005.	6.6	186
2	To die or not to die? Lessons from lesion mimic mutants. <i>Frontiers in Plant Science</i> , 2015, 6, 24.	3.6	157
3	The Plant DNA Damage Response: Signaling Pathways Leading to Growth Inhibition and Putative Role in Response to Stress Conditions. <i>Frontiers in Plant Science</i> , 2019, 10, 653.	3.6	137
4	Modify the Histone to Win the Battle: Chromatin Dynamics in Plant-Pathogen Interactions. <i>Frontiers in Plant Science</i> , 2018, 9, 355.	3.6	106
5	Crosstalks between Myo-Inositol Metabolism, Programmed Cell Death and Basal Immunity in Arabidopsis. <i>PLoS ONE</i> , 2009, 4, e7364.	2.5	104
6	Wheat chromatin architecture is organized in genome territories and transcription factories. <i>Genome Biology</i> , 2020, 21, 104.	8.8	99
7	Two cell-cycle regulated SET-domain proteins interact with proliferating cell nuclear antigen (PCNA) in Arabidopsis. <i>Plant Journal</i> , 2006, 47, 395-407.	5.7	97
8	LHP1 Regulates H3K27me3 Spreading and Shapes the Three-Dimensional Conformation of the Arabidopsis Genome. <i>PLoS ONE</i> , 2016, 11, e0158936.	2.5	97
9	At-MINI ZINC FINGER2 and SH-INHIBITOR OF MERISTEM ACTIVITY, a Conserved Missing Link in the Regulation of Floral Meristem Termination in Arabidopsis and Tomato. <i>Plant Cell</i> , 2018, 30, 83-100.	6.6	90
10	Evidence for regulatory function of nucleus-encoded factors on mRNA stabilization and translation in the chloroplast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 9093-9098.	7.1	87
11	Cell and plastid division are coordinated through the prereplication factor AtCDT1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 8216-8221.	7.1	82
12	The BAF60 Subunit of the SWI/SNF Chromatin-Remodeling Complex Directly Controls the Formation of a Gene Loop at <i>FLOWERING LOCUS C</i> in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 538-551.	6.6	82
13	MAPK-triggered chromatin reprogramming by histone deacetylase in plant innate immunity. <i>Genome Biology</i> , 2017, 18, 131.	8.8	73
14	The Nucleus-Encoded <i>trans</i> -Acting Factor MCA1 Plays a Critical Role in the Regulation of Cytochrome <i>c</i> Synthesis in <i>Chlamydomonas</i> Chloroplasts. <i>Plant Cell</i> , 2011, 23, 333-349.	6.6	70
15	An Arabidopsis Homolog of the Bacterial Cell Division Inhibitor SulA Is Involved in Plastid Division [W]. <i>Plant Cell</i> , 2004, 16, 1801-1811.	6.6	59
16	Put your 3D glasses on: plant chromatin is on show. <i>Journal of Experimental Botany</i> , 2016, 67, 3205-3221.	4.8	59
17	Atmnd1-1 is sensitive to gamma-irradiation and defective in meiotic DNA repair. <i>DNA Repair</i> , 2006, 5, 455-464.	2.8	54
18	The Polyadenylation Factor Subunit CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR30: A Key Factor of Programmed Cell Death and a Regulator of Immunity in Arabidopsis. <i>Plant Physiology</i> , 2014, 165, 732-746.	4.8	54

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19	The Arabidopsis SWI/SNF protein BAF60 mediates seedling growth control by modulating DNA accessibility. <i>Genome Biology</i> , 2017, 18, 114.	8.8	53
20	The Polycomb protein <scp>LHP</scp>1 regulates <i>Arabidopsis thaliana</i> stress responses through the repression of the <scp>MYC</scp>2â€dependent branch of immunity. <i>Plant Journal</i> , 2019, 100, 1118-1131.	5.7	52
21	The Arabidopsis <i>MCM2</i> gene is essential to embryo development and its overâ€expression alters root meristem function. <i>New Phytologist</i> , 2009, 184, 311-322.	7.3	49
22	Oxidative DNA Damage Bypass in <i>Arabidopsis thaliana</i> Requires DNA Polymerase Î» and Proliferating Cell Nuclear Antigen 2. <i>Plant Cell</i> , 2011, 23, 806-822.	6.6	47
23	GCN5 modulates salicylic acid homeostasis by regulating H3K14ac levels at the 5â€ and 3â€ ends of its target genes. <i>Nucleic Acids Research</i> , 2020, 48, 5953-5966.	14.5	44
24	Involvement of Arabidopsis Hexokinase1 in Cell Death Mediated by <i>Myo</i>-Inositol Accumulation. <i>Plant Cell</i> , 2015, 27, 1801-1814.	6.6	42
25	Multiple Functions of Kip-Related Protein5 Connect Endoreduplication and Cell Elongation Â. <i>Plant Physiology</i> , 2013, 161, 1694-1705.	4.8	41
26	Chloroplast Dysfunction Causes Multiple Defects in Cell Cycle Progression in the Arabidopsis <i>crumpled leaf</i> Mutant Â Â. <i>Plant Physiology</i> , 2014, 166, 152-167.	4.8	37
27	Polycomb-dependent differential chromatin compartmentalization determines gene coregulation in <i>Arabidopsis</i>. <i>Genome Research</i> , 2021, 31, 1230-1244.	5.5	36
28	Dual function of MIPS1 as a metabolic enzyme and transcriptional regulator. <i>Nucleic Acids Research</i> , 2013, 41, 2907-2917.	14.5	35
29	Chromatin meets the cell cycle. <i>Journal of Experimental Botany</i> , 2014, 65, 2677-2689.	4.8	35
30	Plant programmed cell death from a chromatin point of view. <i>Journal of Experimental Botany</i> , 2016, 67, 5887-5900.	4.8	35
31	Arabidopsis DNA polymerase Îµ recruits components of Polycomb repressor complex to mediate epigenetic gene silencing. <i>Nucleic Acids Research</i> , 2016, 44, 5597-5614.	14.5	34
32	Chloroplast Activity and 3â€phosphadenosine 5â€phosphate Signaling Regulate Programmed Cell Death in Arabidopsis. <i>Plant Physiology</i> , 2016, 170, 1745-1756.	4.8	30
33	The quest for epigenetic regulation underlying unisexual flower development in <i>Cucumis melo</i> . <i>Epigenetics and Chromatin</i> , 2017, 10, 22.	3.9	27
34	Involvement of Inositol Biosynthesis and Nitric Oxide in the Mediation of UV-B Induced Oxidative Stress. <i>Frontiers in Plant Science</i> , 2016, 7, 430.	3.6	26
35	Function of the Plant DNA Polymerase Epsilon in Replicative Stress Sensing, a Genetic Analysis. <i>Plant Physiology</i> , 2017, 173, 1735-1749.	4.8	26
36	NtKIS2, a novel tobacco cyclin-dependent kinase inhibitor is differentially expressed during the cell cycle and plant development. <i>Plant Physiology and Biochemistry</i> , 2003, 41, 667-676.	5.8	25

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37	A SWI/SNF Chromatin Remodelling Protein Controls Cytokinin Production through the Regulation of Chromatin Architecture. <i>PLoS ONE</i> , 2015, 10, e0138276.	2.5	25
38	Evidence for a Role of <i>Arabidopsis</i> CDT1 Proteins in Gametophyte Development and Maintenance of Genome Integrity. <i>Plant Cell</i> , 2012, 24, 2779-2791.	6.6	24
39	TCTP and CSN4 control cell cycle progression and development by regulating CULLIN1 neddylation in plants and animals. <i>PLoS Genetics</i> , 2019, 15, e1007899.	3.5	20
40	The plant DNA polymerase theta is essential for the repair of replication-associated DNA damage. <i>Plant Journal</i> , 2021, 106, 1197-1207.	5.7	19
41	Maize ATR safeguards genome stability during kernel development to prevent early endosperm endocycle onset and cell death. <i>Plant Cell</i> , 2021, 33, 2662-2684.	6.6	19
42	Role of the Polymerase μ sub-unit DPB2 in DNA replication, cell cycle regulation and DNA damage response in <i>Arabidopsis</i> . <i>Nucleic Acids Research</i> , 2016, 44, gkw449.	14.5	18
43	Plant DNA Polymerases. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4814.	4.1	16
44	Role of pyrimidine salvage pathway in the maintenance of organellar and nuclear genome integrity. <i>Plant Journal</i> , 2019, 97, 430-446.	5.7	16
45	Chloroplasts around the plant cell cycle. <i>Current Opinion in Plant Biology</i> , 2016, 34, 107-113.	7.1	13
46	DNA-Damaging Effectors: New Players in the Effector Arena. <i>Trends in Plant Science</i> , 2019, 24, 1094-1101.	8.8	13
47	The matrix revolutions: towards the decoding of the plant chromatin three-dimensional reality. <i>Journal of Experimental Botany</i> , 2020, 71, 5129-5147.	4.8	11
48	CmLHP1 proteins play a key role in plant development and sex determination in melon (<i>Cucumis</i>) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 3.7 6	3.7	6
49	Involvement of <i>Arabidopsis</i> BIG protein in cell death mediated by Myo-inositol homeostasis. <i>Scientific Reports</i> , 2020, 10, 11268.	3.3	3
50	RADA-dependent branch migration has a predominant role in plant mitochondria and its defect leads to mtDNA instability and cell cycle arrest. <i>PLoS Genetics</i> , 2022, 18, e1010202.	3.5	2
51	Chromatin architecture: A new dimension in the dynamic control of gene expression. <i>Plant Signaling and Behavior</i> , 2016, 11, e1232224.	2.4	1
52	Plant Cell Cycle Transitions. , 2016, , 3-21.		1
53	Maize Thymidine Kinase Activity Is Present throughout Plant Development and Its Heterologous Expression Confers Tolerance to an Organellar DNA-Damaging Agent. <i>Plants</i> , 2020, 9, 930.	3.5	1
54	<i>Arabidopsis</i> MCM2 is responsible for reduction in cell division induced by loss of function of the alpha subunit of GTP-binding protein. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	2.1	0