

# 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	CmlHP1 proteins play a key role in plant development and sex determination in melon ( <i>Cucumis</i> ) Tj ETQq1 1 0.784314 rgBT /Over	5.7	6
2	RADA-dependent branch migration has a predominant role in plant mitochondria and its defect leads to mtDNA instability and cell cycle arrest. PLoS Genetics, 2022, 18, e1010202.	3.5	2
3	The plant DNA polymerase theta is essential for the repair of replication-associated DNA damage. Plant Journal, 2021, 106, 1197-1207.	5.7	19
4	Maize ATR safeguards genome stability during kernel development to prevent early endosperm endocycle onset and cell death. Plant Cell, 2021, 33, 2662-2684.	6.6	19
5	Polycomb-dependent differential chromatin compartmentalization determines gene coregulation in <i>Arabidopsis</i> . Genome Research, 2021, 31, 1230-1244.	5.5	36
6	Involvement of Arabidopsis BIG protein in cell death mediated by Myo-inositol homeostasis. Scientific Reports, 2020, 10, 11268.	3.3	3
7	Maize Thymidine Kinase Activity Is Present throughout Plant Development and Its Heterologous Expression Confers Tolerance to an Organellar DNA-Damaging Agent. Plants, 2020, 9, 930.	3.5	1
8	GCN5 modulates salicylic acid homeostasis by regulating H3K14ac levels at the 5' and 3' ends of its target genes. Nucleic Acids Research, 2020, 48, 5953-5966.	14.5	44
9	The matrix revolutions: towards the decoding of the plant chromatin three-dimensional reality. Journal of Experimental Botany, 2020, 71, 5129-5147.	4.8	11
10	Wheat chromatin architecture is organized in genome territories and transcription factories. Genome Biology, 2020, 21, 104.	8.8	99
11	DNA-Damaging Effectors: New Players in the Effector Arena. Trends in Plant Science, 2019, 24, 1094-1101.	8.8	13
12	The Polycomb protein LHP1 regulates <i>Arabidopsis thaliana</i> stress responses through the repression of the MYC-dependent branch of immunity. Plant Journal, 2019, 100, 1118-1131.	5.7	52
13	Plant DNA Polymerases. International Journal of Molecular Sciences, 2019, 20, 4814.	4.1	16
14	TCTP and CSN4 control cell cycle progression and development by regulating CULLIN1 neddylation in plants and animals. PLoS Genetics, 2019, 15, e1007899.	3.5	20
15	The Plant DNA Damage Response: Signaling Pathways Leading to Growth Inhibition and Putative Role in Response to Stress Conditions. Frontiers in Plant Science, 2019, 10, 653.	3.6	137
16	Role of pyrimidine salvage pathway in the maintenance of organellar and nuclear genome integrity. Plant Journal, 2019, 97, 430-446.	5.7	16
17	The YTH Domain Protein ECT2 Is an m <sup>6</sup> A Reader Required for Normal Trichome Branching in Arabidopsis. Plant Cell, 2018, 30, 986-1005.	6.6	186
18	At-MINI ZINC FINGER2 and SI-INHIBITOR OF MERISTEM ACTIVITY, a Conserved Missing Link in the Regulation of Floral Meristem Termination in Arabidopsis and Tomato. Plant Cell, 2018, 30, 83-100.	6.6	90

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19	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
20	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
21	The Arabidopsis SWI/SNF protein BAF60 mediates seedling growth control by modulating DNA accessibility. <i>Genome Biology</i> , 2017, 18, 114.	8.8	53
22	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
23	MAPK-triggered chromatin reprogramming by histone deacetylase in plant innate immunity. <i>Genome Biology</i> , 2017, 18, 131.	8.8	73
24	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
25	Put your 3D glasses on: plant chromatin is on show. <i>Journal of Experimental Botany</i> , 2016, 67, 3205-3221.	4.8	59
26	Arabidopsis DNA polymerase $\delta$ recruits components of Polycomb repressor complex to mediate epigenetic gene silencing. <i>Nucleic Acids Research</i> , 2016, 44, 5597-5614.	14.5	34
27	Chromatin architecture: A new dimension in the dynamic control of gene expression. <i>Plant Signaling and Behavior</i> , 2016, 11, e1232224.	2.4	1
28	Plant Cell Cycle Transitions. , 2016, , 3-21.		1
29	Plant programmed cell death from a chromatin point of view. <i>Journal of Experimental Botany</i> , 2016, 67, 5887-5900.	4.8	35
30	Chloroplasts around the plant cell cycle. <i>Current Opinion in Plant Biology</i> , 2016, 34, 107-113.	7.1	13
31	Role of the Polymerase $\delta$ sub-unit DPB2 in DNA replication, cell cycle regulation and DNA damage response in Arabidopsis. <i>Nucleic Acids Research</i> , 2016, 44, gkw449.	14.5	18
32	Chloroplast Activity and 3 $\beta$ -phosphadenosine 5 $\alpha$ -phosphate Signaling Regulate Programmed Cell Death in Arabidopsis. <i>Plant Physiology</i> , 2016, 170, 1745-1756.	4.8	30
33	LHP1 Regulates H3K27me3 Spreading and Shapes the Three-Dimensional Conformation of the Arabidopsis Genome. <i>PLoS ONE</i> , 2016, 11, e0158936.	2.5	97
34	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
35	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
36	To die or not to die? Lessons from lesion mimic mutants. <i>Frontiers in Plant Science</i> , 2015, 6, 24.	3.6	157

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37	Arabidopsis 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
38	Chromatin meets the cell cycle. <i>Journal of Experimental Botany</i> , 2014, 65, 2677-2689.	4.8	35
39	Chloroplast Dysfunction Causes Multiple Defects in Cell Cycle Progression in the Arabidopsis <i>crumpled leaf</i> Mutant. <i>Plant Physiology</i> , 2014, 166, 152-167.	4.8	37
40	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
41	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
42	Multiple Functions of Kip-Related Protein5 Connect Endoreduplication and Cell Elongation. <i>Plant Physiology</i> , 2013, 161, 1694-1705.	4.8	41
43	Dual function of MIPS1 as a metabolic enzyme and transcriptional regulator. <i>Nucleic Acids Research</i> , 2013, 41, 2907-2917.	14.5	35
44	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
45	Oxidative DNA Damage Bypass in <i>Arabidopsis thaliana</i> Requires DNA Polymerase $\eta$ and Proliferating Cell Nuclear Antigen 2. <i>Plant Cell</i> , 2011, 23, 806-822.	6.6	47
46	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
47	The Arabidopsis <i>MCM2</i> gene is essential to embryo development and its overexpression alters root meristem function. <i>New Phytologist</i> , 2009, 184, 311-322.	7.3	49
48	Crosstalks between Myo-Inositol Metabolism, Programmed Cell Death and Basal Immunity in Arabidopsis. <i>PLoS ONE</i> , 2009, 4, e7364.	2.5	104
49	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
50	<i>Atmnd1-1</i> is sensitive to gamma-irradiation and defective in meiotic DNA repair. <i>DNA Repair</i> , 2006, 5, 455-464.	2.8	54
51	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
52	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
53	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
54	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