

Alexandre MarÃ©chal

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

3,228
citations

566801

15
h-index

676716

22
g-index

27
all docs

27
docs citations

27
times ranked

5651
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA Damage Sensing by the ATM and ATR Kinases. Cold Spring Harbor Perspectives in Biology, 2013, 5, a012716-a012716.	2.3	1,076
2	Recombination and the maintenance of plant organelle genome stability. New Phytologist, 2010, 186, 299-317.	3.5	402
3	RPA-coated single-stranded DNA as a platform for post-translational modifications in the DNA damage response. Cell Research, 2015, 25, 9-23.	5.7	362
4	ATR Autophosphorylation as a Molecular Switch for Checkpoint Activation. Molecular Cell, 2011, 43, 192-202.	4.5	216
5	PRP19 Transforms into a Sensor of RPA-ssDNA after DNA Damage and Drives ATR Activation via a Ubiquitin-Mediated Circuitry. Molecular Cell, 2014, 53, 235-246.	4.5	207
6	Whirly proteins maintain plastid genome stability in <i>Arabidopsis</i> . Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14693-14698.	3.3	177
7	Whirly transcription factors: defense gene regulation and beyond. Trends in Plant Science, 2005, 10, 95-102.	4.3	133
8	Two Distinct Modes of ATR Activation Orchestrated by Rad17 and Nbs1. Cell Reports, 2013, 3, 1651-1662.	2.9	125
9	Crystal Structures of DNA-Whirly Complexes and Their Role in <i>Arabidopsis</i> Organelle Genome Repair. Plant Cell, 2010, 22, 1849-1867.	3.1	116
10	SHLD2/FAM35A cooperates with REV7 to coordinate DNA double-strand break repair pathway choice. EMBO Journal, 2018, 37, .	3.5	111
11	SMARCAL1 Resolves Replication Stress at ALT Telomeres. Cell Reports, 2016, 14, 1032-1040.	2.9	90
12	SUMOylation of ATRIP potentiates DNA damage signaling by boosting multiple protein interactions in the ATR pathway. Genes and Development, 2014, 28, 1472-1484.	2.7	57
13	Overexpression of mtDNA-associated AtWhy2 compromises mitochondrial function. BMC Plant Biology, 2008, 8, 42.	1.6	37
14	A phosphorylation-and-ubiquitylation circuitry driving ATR activation and homologous recombination. Nucleic Acids Research, 2017, 45, 8859-8872.	6.5	33
15	Cell viability and secretion of active proteins in <i>Schizosaccharomyces pombe</i> do not require the chaperone function of calnexin. Biochemical Journal, 2004, 380, 441-448.	1.7	18
16	Cellular Depletion of BRD8 Causes p53-Dependent Apoptosis and Induces a DNA Damage Response in Non-Stressed Cells. Scientific Reports, 2018, 8, 14089.	1.6	15
17	Ubiquitylation at the Fork: Making and Breaking Chains to Complete DNA Replication. International Journal of Molecular Sciences, 2018, 19, 2909.	1.8	12
18	POGZ promotes homology-directed DNA repair in an HP1-dependent manner. EMBO Reports, 2022, 23, e51041.	2.0	9

#	ARTICLE	IF	CITATIONS
19	Investigation of Protein Recruitment to DNA Lesions Using 405 Nm Laser Micro-irradiation. Journal of Visualized Experiments, 2018, , .	0.2	8
20	Human high-density lipoprotein microtranscriptome is unique and suggests an extended role in lipid metabolism. Epigenomics, 2019, 11, 917-934.	1.0	8
21	CUT Domains Stimulate Pol Î² Enzymatic Activities to Accelerate Completion of Base Excision Repair. Journal of Molecular Biology, 2021, 433, 166806.	2.0	6
22	The PRP19 Ubiquitin Ligase, Standing at the Cross-Roads of mRNA Processing and Genome Stability. Cancers, 2022, 14, 878.	1.7	6
23	A LARGe surprise links ATR and Rho. Cell Cycle, 2014, 13, 3627-3627.	1.3	0
24	Transcription factor families involved in plant defence: from discovery to structure.. , 2009, , 142-162.		0
25	Abstract A04: Phosphorylation and ubiquitylation on the RPA-ssDNA platform promote homologous recombination. , 2017, , .		0