

Marie Mirouze

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

4,324
citations

331670

21
h-index

377865

34
g-index

40
all docs

40
docs citations

40
times ranked

5676
citing authors

#	ARTICLE	IF	CITATIONS
1	An siRNA pathway prevents transgenerational retrotransposition in plants subjected to stress. <i>Nature</i> , 2011, 472, 115-119.	27.8	550
2	The genome sequence of segmental allotetraploid peanut <i>Arachis hypogaea</i> . <i>Nature Genetics</i> , 2019, 51, 877-884.	21.4	439
3	Epigenetic contribution to stress adaptation in plants. <i>Current Opinion in Plant Biology</i> , 2011, 14, 267-274.	7.1	433
4	Compromised stability of DNA methylation and transposon immobilization in mosaic <i>Arabidopsis</i> epigenomes. <i>Genes and Development</i> , 2009, 23, 939-950.	5.9	380
5	Selective epigenetic control of retrotransposition in <i>Arabidopsis</i> . <i>Nature</i> , 2009, 461, 427-430.	27.8	315
6	Ecological plant epigenetics: Evidence from model and non-model species, and the way forward. <i>Ecology Letters</i> , 2017, 20, 1576-1590.	6.4	279
7	Epigenetic regulation of adaptive responses of forest tree species to the environment. <i>Ecology and Evolution</i> , 2013, 3, 399-415.	1.9	271
8	Loss of DNA methylation affects the recombination landscape in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5880-5885.	7.1	186
9	Widespread and frequent horizontal transfers of transposable elements in plants. <i>Genome Research</i> , 2014, 24, 831-838.	5.5	177
10	A putative novel role for plant defensins: a defensin from the zinc hyper-accumulating plant, <i>Arabidopsis halleri</i> , confers zinc tolerance. <i>Plant Journal</i> , 2006, 47, 329-342.	5.7	170
11	Adaptation to Global Change: A Transposable Element—Epigenetics Perspective. <i>Trends in Ecology and Evolution</i> , 2016, 31, 514-526.	8.7	163
12	Dicer-2-Dependent Generation of Viral DNA from Defective Genomes of RNA Viruses Modulates Antiviral Immunity in Insects. <i>Cell Host and Microbe</i> , 2018, 23, 353-365.e8.	11.0	124
13	Sequencing the extrachromosomal circular mobilome reveals retrotransposon activity in plants. <i>PLoS Genetics</i> , 2017, 13, e1006630.	3.5	118
14	Epigenetic control of transposon transcription and mobility in <i>Arabidopsis</i> . <i>Current Opinion in Plant Biology</i> , 2012, 15, 503-510.	7.1	110
15	Inhibition of RNA polymerase II allows controlled mobilisation of retrotransposons for plant breeding. <i>Genome Biology</i> , 2017, 18, 134.	8.8	84
16	Transposable elements: all mobile, all different, some stress responsive, some adaptive?. <i>Current Opinion in Genetics and Development</i> , 2018, 49, 106-114.	3.3	81
17	Transposable elements, a treasure trove to decipher epigenetic variation: insights from <i>Arabidopsis</i> and crop epigenomes. <i>Journal of Experimental Botany</i> , 2014, 65, 2801-2812.	4.8	79
18	Detection of active transposable elements in <i>Arabidopsis thaliana</i> using Oxford Nanopore Sequencing technology. <i>BMC Genomics</i> , 2017, 18, 537.	2.8	39

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19	The Small RNA-Based Odyssey of Epigenetic Information in Plants: From Cells to Species. <i>DNA and Cell Biology</i> , 2012, 31, 1650-1656.	1.9	37
20	The somatic piRNA pathway controls germline transposition over generations. <i>Nucleic Acids Research</i> , 2018, 46, 9524-9536.	14.5	34
21	ecc_finder: A Robust and Accurate Tool for Detecting Extrachromosomal Circular DNA From Sequencing Data. <i>Frontiers in Plant Science</i> , 2021, 12, 743742.	3.6	34
22	Large tandem duplications affect gene expression, 3D organization, and plant pathogen response. <i>Genome Research</i> , 2020, 30, 1583-1592.	5.5	31
23	RNAi suppression of DNA methylation affects the drought stress response and genome integrity in transgenic poplar. <i>New Phytologist</i> , 2021, 232, 80-97.	7.3	31
24	LTR-TEs abundance, timing and mobility in <i>Solanum commersonii</i> and <i>S. tuberosum</i> genomes following cold-stress conditions. <i>Planta</i> , 2019, 250, 1781-1787.	3.2	25
25	Dicer-like and RNA-dependent RNA polymerase gene family identification and annotation in the cultivated <i>Solanum tuberosum</i> and its wild relative <i>S. commersonii</i> . <i>Planta</i> , 2018, 248, 729-743.	3.2	24
26	Parental origin control of transgenerational retrotransposon proliferation in <i>Arabidopsis</i> . <i>EMBO Reports</i> , 2013, 14, 823-828.	4.5	22
27	DNA Methylation in Rice and Relevance for Breeding. <i>Epigenomes</i> , 2017, 1, 10.	1.8	18
28	Chromosome-level <i>Thlaspi arvense</i> genome provides new tools for translational research and for a newly domesticated cash cover crop of the cooler climates. <i>Plant Biotechnology Journal</i> , 2022, 20, 944-963.	8.3	18
29	Diverse and mobile: eccDNA-based identification of carrot low-copy LTR retrotransposons active in callus cultures. <i>Plant Journal</i> , 2022, 110, 1811-1828.	5.7	11
30	Identification of Extrachromosomal Circular Forms of Active Transposable Elements Using Mobilome-Seq. <i>Methods in Molecular Biology</i> , 2021, 2250, 87-93.	0.9	9
31	Construction and characterisation of a BAC library from <i>Arabidopsis halleri</i> : Evaluation of physical mapping based on conserved synteny with <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2008, 174, 634-640.	3.6	7
32	ANCHOR: A Technical Approach to Monitor Single-Copy Locus Localization in <i>Planta</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 677849.	3.6	6
33	A dynamic architecture of life. <i>F1000Research</i> , 2015, 4, 1288.	1.6	4
34	Aspects of Epigenetic Regulation in Cereals. <i>Advances in Botanical Research</i> , 2018, , 361-386.	1.1	0