

Filipe Borges

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

4,242
citations

430874

18
h-index

677142

22
g-index

28
all docs

28
docs citations

28
times ranked

4526
citing authors

#	ARTICLE	IF	CITATIONS
1	The expanding world of small RNAs in plants. <i>Nature Reviews Molecular Cell Biology</i> , 2015, 16, 727-741.	37.0	932
2	Epigenetic Reprogramming and Small RNA Silencing of Transposable Elements in Pollen. <i>Cell</i> , 2009, 136, 461-472.	28.9	908
3	Reprogramming of DNA Methylation in Pollen Guides Epigenetic Inheritance via Small RNA. <i>Cell</i> , 2012, 151, 194-205.	28.9	506
4	Glutamate Receptor-Like Genes Form Ca ²⁺ Channels in Pollen Tubes and Are Regulated by Pistil Serine. <i>Science</i> , 2011, 332, 434-437.	12.6	372
5	Comparative Transcriptomics of Arabidopsis Sperm Cells. <i>Plant Physiology</i> , 2008, 148, 1168-1181.	4.8	339
6	miRNAs trigger widespread epigenetically activated siRNAs from transposons in Arabidopsis. <i>Nature</i> , 2014, 508, 411-415.	27.8	331
7	Epigenetic activation of meiotic recombination near <i>Arabidopsis thaliana</i> centromeres via loss of H3K9me2 and non-CG DNA methylation. <i>Genome Research</i> , 2018, 28, 519-531.	5.5	138
8	MicroRNA activity in the <i>Arabidopsis</i> male germline. <i>Journal of Experimental Botany</i> , 2011, 62, 1611-1620.	4.8	137
9	Transposon-derived small RNAs triggered by miR845 mediate genome dosage response in Arabidopsis. <i>Nature Genetics</i> , 2018, 50, 186-192.	21.4	126
10	Whole Genome Analysis of Gene Expression Reveals Coordinated Activation of Signaling and Metabolic Pathways during Pollen-Pistil Interactions in Arabidopsis. <i>Plant Physiology</i> , 2011, 155, 2066-2080.	4.8	78
11	FACS-based purification of Arabidopsis microspores, sperm cells and vegetative nuclei. <i>Plant Methods</i> , 2012, 8, 44.	4.3	76
12	Transcriptional profiling of Arabidopsis root hairs and pollen defines an apical cell growth signature. <i>BMC Plant Biology</i> , 2014, 14, 197.	3.6	49
13	Polymerase IV Plays a Crucial Role in Pollen Development in <i>Capsella</i> . <i>Plant Cell</i> , 2020, 32, 950-966.	6.6	46
14	Male fertility in Arabidopsis requires active DNA demethylation of genes that control pollen tube function. <i>Nature Communications</i> , 2021, 12, 410.	12.8	41
15	Loss of Small-RNA-Directed DNA Methylation in the Plant Cell Cycle Promotes Germline Reprogramming and Somaclonal Variation. <i>Current Biology</i> , 2021, 31, 591-600.e4.	3.9	36
16	<i>Arabidopsis</i> retrotransposon virus-like particles and their regulation by epigenetically activated small RNA. <i>Genome Research</i> , 2020, 30, 576-588.	5.5	33
17	Establishing epigenetic variation during genome reprogramming. <i>RNA Biology</i> , 2013, 10, 490-494.	3.1	23
18	Reprogramming the Epigenome in Arabidopsis Pollen. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2012, 77, 1-5.	1.1	20

#	ARTICLE	IF	CITATIONS
19	Specificities and Dynamics of Transposable Elements in Land Plants. <i>Biology</i> , 2022, 11, 488.	2.8	20
20	Bypassing reproductive barriers in hybrid seeds using chemically induced epimutagenesis. <i>Plant Cell</i> , 2022, 34, 989-1001.	6.6	16
21	Contrasting epigenetic control of transgenes and endogenous genes promotes post-transcriptional transgene silencing in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2021, 12, 2787.	12.8	5
22	DEFECTIVE EMBRYO AND MERISTEMS genes are required for cell division and gamete viability in <i>Arabidopsis</i> . <i>PLoS Genetics</i> , 2021, 17, e1009561.	3.5	3
23	Small RNA Function in Plants: From Chromatin to the Next Generation. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2019, 84, 133-140.	1.1	0