

ValÃ©rie Gaudin

List of Publications by Year in descending order

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29
papers

1,605
citations

471509

17
h-index

395702

33
g-index

34
all docs

34
docs citations

34
times ranked

2112
citing authors

#	ARTICLE	IF	CITATIONS
1	The Arabidopsis LHP1 protein colocalizes with histone H3 Lys27 trimethylation. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 869-871.	8.2	328
2	The Expression of D-Cyclin Genes Defines Distinct Developmental Zones in Snapdragon Apical Meristems and Is Locally Regulated by the Cycloidea Gene. <i>Plant Physiology</i> , 2000, 122, 1137-1148.	4.8	185
3	Large-scale dissociation and sequential reassembly of pericentric heterochromatin in dedifferentiated <i>Arabidopsis</i> cells. <i>Journal of Cell Science</i> , 2007, 120, 1200-1208.	2.0	145
4	The Arabidopsis GAGA-Binding Factor BASIC PENTACYSSTEINE6 Recruits the POLYCOMB-REPRESSIVE COMPLEX1 Component LIKE HETEROCHROMATIN PROTEIN1 to GAGA DNA Motifs. <i>Plant Physiology</i> , 2015, 168, 1013-1024.	4.8	112
5	The Arabidopsis LHP1 protein is a component of euchromatin. <i>Planta</i> , 2005, 222, 910-925.	3.2	104
6	Statistical Analysis of 3D Images Detects Regular Spatial Distributions of Centromeres and Chromocenters in Animal and Plant Nuclei. <i>PLoS Computational Biology</i> , 2010, 6, e1000853.	3.2	104
7	Characterization of the Early Events Leading to Totipotency in an <i>Arabidopsis</i> Protoplast Liquid Culture by Temporal Transcript Profiling. <i>Plant Cell</i> , 2013, 25, 2444-2463.	6.6	92
8	DamID, a new tool for studying plant chromatin profiling <i>in vivo</i> , and its use to identify putative LHP1 target loci. <i>Plant Journal</i> , 2006, 48, 153-163.	5.7	57
9	Control of Flowering and Cell Fate by LIF2, an RNA Binding Partner of the Polycomb Complex Component LHP1. <i>PLoS ONE</i> , 2011, 6, e16592.	2.5	56
10	The hnRNP-Q Protein LIF2 Participates in the Plant Immune Response. <i>PLoS ONE</i> , 2014, 9, e99343.	2.5	52
11	Extensive Phenotypic Variation in Early Flowering Mutants of Arabidopsis. <i>Plant Physiology</i> , 2004, 135, 201-211.	4.8	38
12	The Arabidopsis hnRNP-Q Protein LIF2 and the PRC1 Subunit LHP1 Function in Concert to Regulate the Transcription of Stress-Responsive Genes. <i>Plant Cell</i> , 2016, 28, 2197-2211.	6.6	37
13	3D fluorescent in situ hybridization using Arabidopsis leaf cryosections and isolated nuclei. <i>Plant Methods</i> , 2009, 5, 11.	4.3	35
14	One, Two, Three: Polycomb Proteins Hit All Dimensions of Gene Regulation. <i>Genes</i> , 2015, 6, 520-542.	2.4	31
15	Chromatin dynamics and Arabidopsis development. <i>Chromosome Research</i> , 2003, 11, 277-304.	2.2	30
16	Expression of <i>Agrobacterium</i> rhizogenes auxin biosynthesis genes in transgenic tobacco plants. <i>Plant Molecular Biology</i> , 1995, 28, 123-136.	3.9	26
17	Nuclear Architecture and Chromatin Dynamics in Interphase Nuclei of <i>Arabidopsis thaliana</i> . <i>Cytogenetic and Genome Research</i> , 2014, 143, 28-50.	1.1	23
18	Tidying-up the plant nuclear space: domains, functions, and dynamics. <i>Journal of Experimental Botany</i> , 2020, 71, 5160-5178.	4.8	20

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19	Distinct Classes of cdc2-Related Genes Are Differentially Expressed during the Cell Division Cycle in Plants. <i>Plant Cell</i> , 1996, 8, 1465.	6.6	16
20	Diversification of Photoperiodic Response Patterns in a Collection of Early-Flowering Mutants of Arabidopsis. <i>Plant Physiology</i> , 2008, 148, 1465-1473.	4.8	16
21	Spatial modeling of biological patterns shows multiscale organization of Arabidopsis thaliana heterochromatin. <i>Scientific Reports</i> , 2021, 11, 323.	3.3	16
22	Who Rules the Cell? An Epi-Tale of Histone, DNA, RNA, and the Metabolic Deep State. <i>Frontiers in Plant Science</i> , 2020, 11, 181.	3.6	13
23	Multiple regions of a divergent promoter control the expression of the Agrobacterium rhizogenes aux1 and aux2 plant oncogenes. <i>Molecular Genetics and Genomics</i> , 1993, 239, 225-234.	2.4	12
24	Mapping In Vivo Protein-DNA Interactions in Plants by DamID, a DNA Adenine Methylation-Based Method. <i>Methods in Molecular Biology</i> , 2011, 754, 307-321.	0.9	11
25	Epigenetic Regulation of Phase Transitions in Arabidopsis thaliana. <i>RNA Technologies</i> , 2017, , 359-383.	0.3	11
26	Extensive nuclear reprogramming and endoreduplication in mature leaf during floral induction. <i>BMC Plant Biology</i> , 2019, 19, 135.	3.6	8
27	A Method for Testing Random Spatial Models on Nuclear Object Distributions. <i>Methods in Molecular Biology</i> , 2018, 1675, 493-507.	0.9	5
28	A reporter gene under the control of tms or aux promoters is differentially expressed in tobacco and barley protoplasts. <i>Plant Cell Reports</i> , 1994, 13-13, 155-8.	5.6	3
29	Modeling the 3D functional architecture of the nucleus in animal and plant kingdoms. <i>Comptes Rendus - Biologies</i> , 2009, 332, 937-946.	0.2	3