

François Roudier

List of Publications by Year in descending order

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39
papers

5,604
citations

159585

30
h-index

302126

39
g-index

42
all docs

42
docs citations

42
times ranked

7332
citing authors

#	ARTICLE	IF	CITATIONS
1	A network of transcriptional repressors modulates auxin responses. <i>Nature</i> , 2021, 589, 116-119.	27.8	56
2	Editorial overview: Multifaceted dynamics and countless shades of green chromatin. <i>Current Opinion in Plant Biology</i> , 2021, 61, 102079.	7.1	0
3	Deciphering Plant Chromatin Regulation via CRISPR/dCas9-Based Epigenome Engineering. <i>Epigenomes</i> , 2021, 5, 17.	1.8	9
4	Mitotic Inheritance of PRC2-Mediated Silencing: Mechanistic Insights and Developmental Perspectives. <i>Frontiers in Plant Science</i> , 2020, 11, 262.	3.6	33
5	Histone acetylation orchestrates wound-induced transcriptional activation and cellular reprogramming in <i>Arabidopsis</i> . <i>Communications Biology</i> , 2019, 2, 404.	4.4	65
6	The m ⁶ A pathway protects the transcriptome integrity by restricting RNA chimera formation in plants. <i>Life Science Alliance</i> , 2019, 2, e201900393.	2.8	53
7	Cell Type-Specific Profiling of Chromatin Modifications and Associated Proteins. <i>Methods in Molecular Biology</i> , 2018, 1675, 111-130.	0.9	7
8	Genome-wide identification of RETINOBLASTOMA RELATED 1 binding sites in <i>Arabidopsis</i> reveals novel DNA damage regulators. <i>PLoS Genetics</i> , 2018, 14, e1007797.	3.5	42
9	Polycomb Repressive Complex 2 attenuates the very high expression of the <i>Arabidopsis</i> gene NRT2.1. <i>Scientific Reports</i> , 2018, 8, 7905.	3.3	32
10	Direct conversion of root primordium into shoot meristem relies on timing of stem cell niche development. <i>Development (Cambridge)</i> , 2017, 144, 1187-1200.	2.5	48
11	Epigenetic memory and cell fate reprogramming in plants. <i>Regeneration (Oxford, England)</i> , 2017, 4, 15-20.	6.3	59
12	Comparative epigenomics in the Brassicaceae reveals two evolutionarily conserved modes of PRC2-mediated gene regulation. <i>Genome Biology</i> , 2017, 18, 207.	8.8	8
13	A versatile Multisite Gateway-compatible promoter and transgenic line collection for cell type-specific functional genomics in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2016, 85, 320-333.	5.7	116
14	Emerging concepts in chromatin-level regulation of plant cell differentiation: timing, counting, sensing and maintaining. <i>Current Opinion in Plant Biology</i> , 2016, 34, 27-34.	7.1	16
15	Transcriptional Regulation of <i>Arabidopsis</i> Polycomb Repressive Complex 2 Coordinates Cell-Type Proliferation and Differentiation. <i>Plant Cell</i> , 2016, 28, 2616-2631.	6.6	78
16	Genome expansion of <i>Arabis alpina</i> linked with retrotransposition and reduced symmetric DNA methylation. <i>Nature Plants</i> , 2015, 1, 14023.	9.3	156
17	PRC2 represses dedifferentiation of mature somatic cells in <i>Arabidopsis</i> . <i>Nature Plants</i> , 2015, 1, 15089.	9.3	160
18	Mapping the Epigenetic Basis of Complex Traits. <i>Science</i> , 2014, 343, 1145-1148.	12.6	403

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19	The plant RWP-RK transcription factors: key regulators of nitrogen responses and of gametophyte development. <i>Journal of Experimental Botany</i> , 2014, 65, 5577-5587.	4.8	154
20	Epigenetics and Development in Plants. <i>Current Topics in Developmental Biology</i> , 2013, 104, 189-222.	2.2	24
21	Nuclear retention of the transcription factor NLP7 orchestrates the early response to nitrate in plants. <i>Nature Communications</i> , 2013, 4, 1713.	12.8	389
22	Histone H2B Monoubiquitination Facilitates the Rapid Modulation of Gene Expression during <i>Arabidopsis</i> Photomorphogenesis. <i>PLoS Genetics</i> , 2012, 8, e1002825.	3.5	115
23	MeDIP-HMM: genome-wide identification of distinct DNA methylation states from high-density tiling arrays. <i>Bioinformatics</i> , 2012, 28, 2930-2939.	4.1	26
24	NERD, a Plant-Specific GW Protein, Defines an Additional RNAi-Dependent Chromatin-Based Pathway in <i>Arabidopsis</i> . <i>Molecular Cell</i> , 2012, 48, 121-132.	9.7	134
25	Polycomb Repressive Complex 2 Controls the Embryo-to-Seedling Phase Transition. <i>PLoS Genetics</i> , 2011, 7, e1002014.	3.5	318
26	Additive inheritance of histone modifications in <i>Arabidopsis thaliana</i> intra-specific hybrids. <i>Plant Journal</i> , 2011, 67, 691-700.	5.7	48
27	Integrative epigenomic mapping defines four main chromatin states in <i>Arabidopsis</i> . <i>EMBO Journal</i> , 2011, 30, 1928-1938.	7.8	600
28	Transcriptional Regulation of <i>Arabidopsis</i> LEAFY COTYLEDON2 Involves RLE, a cis-Element That Regulates Trimethylation of Histone H3 at Lysine-27. <i>Plant Cell</i> , 2011, 23, 4065-4078.	6.6	120
29	Very-Long-Chain Fatty Acids Are Involved in Polar Auxin Transport and Developmental Patterning in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2010, 22, 364-375.	6.6	174
30	Chromatin indexing in <i>Arabidopsis</i> : an epigenomic tale of tails and more. <i>Trends in Genetics</i> , 2009, 25, 511-517.	6.7	98
31	A Role for RNAi in the Selective Correction of DNA Methylation Defects. <i>Science</i> , 2009, 323, 1600-1604.	12.6	338
32	<i>Arabidopsis</i> TFL2/LHP1 Specifically Associates with Genes Marked by Trimethylation of Histone H3 Lysine 27. <i>PLoS Genetics</i> , 2007, 3, e86.	3.5	537
33	The C Terminus of the Immunophilin PASTICCINO1 Is Required for Plant Development and for Interaction with a NAC-like Transcription Factor. <i>Journal of Biological Chemistry</i> , 2006, 281, 25475-25484.	3.4	66
34	COBRA, an <i>Arabidopsis</i> Extracellular Glycosyl-Phosphatidyl Inositol-Anchored Protein, Specifically Controls Highly Anisotropic Expansion through Its Involvement in Cellulose Microfibril Orientation. <i>Plant Cell</i> , 2005, 17, 1749-1763.	6.6	321
35	The <i>Medicago</i> Species A2-Type Cyclin Is Auxin Regulated and Involved in Meristem Formation But Dispensable for Endoreduplication-Associated Developmental Programs. <i>Plant Physiology</i> , 2003, 131, 1091-1103.	4.8	95
36	Endoreduplication Mediated by the Anaphase-Promoting Complex Activator CCS52A Is Required for Symbiotic Cell Differentiation in <i>Medicago truncatula</i> Nodules. <i>Plant Cell</i> , 2003, 15, 2093-2105.	6.6	186

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37	The COBRA Family of Putative GPI-Anchored Proteins in Arabidopsis. A New Fellowship in Expansion. <i>Plant Physiology</i> , 2002, 130, 538-548.	4.8	143
38	Cell cycle function of a <i>Medicago sativa</i> A2-type cyclin interacting with a PSTAIRE-type cyclin-dependent kinase and a retinoblastoma protein. <i>Plant Journal</i> , 2000, 23, 73-83.	5.7	86
39	Plant cell-size control: growing by ploidy?. <i>Current Opinion in Plant Biology</i> , 2000, 3, 488-492.	7.1	286