Francois Parcy

List of Publications by Year
in descending order

69 papers	14,541 citations	53794 45 h-index	88630 70 g-index
121 all docs	121 docs citations	121 times ranked	22258 citing authors

#	Article	IF	Citations
1	JASPAR 2022: the 9th release of the open-access database of transcription factor binding profiles. Nucleic Acids Research, 2022, 50, D165-D173.	14.5	902
2	Transcriptional reprogramming during floral fate acquisition. IScience, 2022, 25, 104683.	4.1	2
3	OsFD4 promotes the rice floral transition via florigen activation complex formation in the shoot apical meristem. New Phytologist, 2021, 229, 429-443.	7.3	21
4	A network of transcriptional repressors modulates auxin responses. Nature, 2021, 589, 116-119.	27.8	56
5	The LEAFY floral regulator displays pioneer transcription factor properties. Molecular Plant, 2021, 14, 829-837.	8.3	48
6	Cauliflower fractal forms arise from perturbations of floral gene networks. Science, 2021, 373, 192-197.	12.6	37
7	The intervening domain is required for DNA-binding and functional identity of plant MADS transcription factors. Nature Communications, 2021, 12, 4760.	12.8	29
8	Self-Assembly of a Ginkgo Oligomerization Domain Creates a Sub-10-nm Honeycomb Architecture on Carbon and Silicon Surfaces with Customizable Pores: Implications for Nanoelectronics, Biosensing, and Biocatalysis. ACS Applied Nano Materials, 2021, 4, 9518-9526.	5.0	0
9	JASPAR 2020: update of the open-access database of transcription factor binding profiles. Nucleic Acids Research, 2020, 48, D87-D92.	14.5	1,039
10	Genome-wide binding of SEPALLATA3 and AGAMOUS complexes determined by sequential DNA-affinity purification sequencing. Nucleic Acids Research, 2020, 48, 9637-9648.	14.5	39
11	Contrasted evolutionary trajectories of plant transcription factors. Current Opinion in Plant Biology, 2020, 54, 101-107.	7.1	26
12	Crystal structure of the transcriptional repressor DdrO: insight into the metalloprotease/repressor-controlled radiation response in Deinococcus. Nucleic Acids Research, 2019, 47, 11403-11417.	14.5	18
13	Evolution of the Auxin Response Factors from charophyte ancestors. PLoS Genetics, 2019, 15, e1008400.	3.5	35
14	Building Transcription Factor Binding Site Models to Understand Gene Regulation in Plants. Molecular Plant, 2019, 12, 743-763.	8.3	71
15	Capturing Auxin Response Factors Syntax Using DNA Binding Models. Molecular Plant, 2019, 12, 822-832.	8.3	38
16	JASPAR 2018: update of the open-access database of transcription factor binding profiles and its web framework. Nucleic Acids Research, 2018, 46, D260-D266.	14.5	1,232
17	Tetramerization of MADS family transcription factors SEPALLATA3 and AGAMOUS is required for floral meristem determinacy in Arabidopsis. Nucleic Acids Research, 2018, 46, 4966-4977.	14.5	81
18	<scp>LEAFY</scp> activity is postâ€transcriptionally regulated by <scp>BLADE ON PETIOLE</scp>2 and <scp>CULLIN</scp>3 in Arabidopsis. New Phytologist, 2018, 220, 579-592.	7.3	32

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19	Conservation vs divergence in <i>LEAFY</i> and <i>APETALA1</i> functions between <i>Arabidopsis thaliana</i> and <i>Cardamine hirsuta</i>. New Phytologist, 2017, 216, 549-561.	7.3	21
20	A link between LEAFY and Bâ€gene homologues in <i>Welwitschia mirabilis</i> sheds light on ancestral mechanisms prefiguring floral development. New Phytologist, 2017, 216, 469-481.	7.3	33
21	Structure of the <i>Arabidopsis</i> TOPLESS corepressor provides insight into the evolution of transcriptional repression. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8107-8112.	7.1	90
22	Plant SAM-Domain Proteins Start to Reveal Their Roles. Trends in Plant Science, 2017, 22, 718-725.	8.8	21
23	A flower is born: an update on Arabidopsis floral meristem formation. Current Opinion in Plant Biology, 2017, 35, 15-22.	7.1	66
24	A Glimpse beyond Structures in Auxin-Dependent Transcription. Trends in Plant Science, 2016, 21, 574-583.	8.8	20
25	Deciphering the molecular mechanisms underpinning the transcriptional control of gene expression by L-AFL proteins in Arabidopsis seed.. Plant Physiology, 2016, 171, pp.00034.2016.	4.8	53
26	A SAM oligomerization domain shapes the genomic binding landscape of the LEAFY transcription factor. Nature Communications, 2016, 7, 11222.	12.8	76
27	JASPAR 2016: a major expansion and update of the open-access database of transcription factor binding profiles. Nucleic Acids Research, 2016, 44, D110-D115.	14.5	968
28	The Myb-domain protein ULTRAPETALA1 INTERACTING FACTOR 1 controls floral meristem activities in Arabidopsis. Development (Cambridge), 2016, 143, 1108-19.	2.5	45
29	Floral development: an integrated view. , 2016, , 43-116.		0
30	MORPHEUS, a Webtool for Transcription Factor Binding Analysis Using Position Weight Matrices with Dependency. PLoS ONE, 2015, 10, e0135586.	2.5	16
31	Response to Comment on â€œA promiscuous intermediate underlies the evolution of LEAFY DNA binding specificityâ€• Science, 2015, 347, 621-621.	12.6	4
32	Evolution of the Plant Reproduction Master Regulators LFY and the MADS Transcription Factors: The Role of Protein Structure in the Evolutionary Development of the Flower. Frontiers in Plant Science, 2015, 6, 1193.	3.6	58
33	JASPAR 2014: an extensively expanded and updated open-access database of transcription factor binding profiles. Nucleic Acids Research, 2014, 42, D142-D147.	14.5	915
34	Cytokinin signalling inhibitory fields provide robustness to phyllotaxis. Nature, 2014, 505, 417-421.	27.8	236
35	A Promiscuous Intermediate Underlies the Evolution of LEAFY DNA Binding Specificity. Science, 2014, 343, 645-648.	12.6	117
36	Structural basis for oligomerization of auxin transcriptional regulators. Nature Communications, 2014, 5, 3617.	12.8	145

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37	Structural Basis for the Oligomerization of the MADS Domain Transcription Factor SEPALLATA3 in <i>Arabidopsis</i> Â. Plant Cell, 2014, 26, 3603-3615.	6.6	97
38	A variant of <scp>LEAFY</scp> reveals its capacity to stimulate meristem development by inducing <scp><i>RAX1</i></scp>. Plant Journal, 2013, 74, 678-689.	5.7	71
39	Evidence for functional interaction between brassinosteroids and cadmium response in Arabidopsis thaliana. Journal of Experimental Botany, 2012, 63, 1185-1200.	4.8	57
40	Characterization of MADS-domain transcription factor complexes in <i>Arabidopsis</i> flower development. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1560-1565.	7.1	439
41	LEAFY Target Genes Reveal Floral Regulatory Logic, cis Motifs, and a Link to Biotic Stimulus Response. Developmental Cell, 2011, 20, 430-443.	7.0	239
42	Integrating longâ€day flowering signals: a LEAFY binding site is essential for proper photoperiodic activation of <i>APETALA1</i>. Plant Journal, 2011, 67, 1094-1102.	5.7	56
43	Prediction of Regulatory Interactions from Genome Sequences Using a Biophysical Model for the<i>Arabidopsis</i>LEAFY Transcription Factor Â. Plant Cell, 2011, 23, 1293-1306.	6.6	148
44	LEAFY blossoms. Trends in Plant Science, 2010, 15, 346-352.	8.8	174
45	The LEAFY Floral Regulators in Angiosperms: Conserved Proteins with Diverse Roles. Journal of Plant Biology, 2009, 52, 177-185.	2.1	53
46	The analysis of entire gene promoters by surface plasmon resonance. Plant Journal, 2009, 59, 851-858.	5.7	15
47	FUSCA3 from barley unveils a common transcriptional regulation of seedâ€specific genes between cereals and Arabidopsis. Plant Journal, 2008, 53, 882-894.	5.7	60
48	Structural basis for LEAFY floral switch function and similarity with helix-turn-helix proteins. EMBO Journal, 2008, 27, 2628-2637.	7.8	97
49	Deciphering gene regulatory networks that control seed development and maturation in Arabidopsis. Plant Journal, 2008, 54, 608-620.	5.7	391
50	<i>Arabidopsis</i>TONNEAU1 Proteins Are Essential for Preprophase Band Formation and Interact with Centrin. Plant Cell, 2008, 20, 2146-2159.	6.6	166
51	Organization of cellulose synthase complexes involved in primary cell wall synthesis in <i>Arabidopsis thaliana</i>. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15572-15577.	7.1	542
52	How Floral Meristems are Built. Plant Molecular Biology, 2006, 60, 855-870.	3.9	160
53	A Novel Mechanism for the Formation of Actin-Filament Bundles by a Nonprocessive Formin. Current Biology, 2006, 16, 1924-1930.	3.9	97
54	A Network of Local and Redundant Gene Regulation Governs Arabidopsis Seed Maturation. Plant Cell, 2006, 18, 1642-1651.	6.6	350

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55	Differential activation ofABI3andLEAgenes upon plant parasitic nematode infection. Molecular Plant Pathology, 2005, 6, 321-325.	4.2	16
56	Flowering: a time for integration. International Journal of Developmental Biology, 2005, 49, 585-593.	0.6	223
57	Characterization of three homologous basic leucine zipper transcription factors (bZIP) of the ABI5 family during Arabidopsis thaliana embryo maturation. Journal of Experimental Botany, 2005, 56, 597-603.	4.8	127
58	The mRNA of the Arabidopsis Gene FT Moves from Leaf to Shoot Apex and Induces Flowering. Science, 2005, 309, 1694-1696.	12.6	238
59	AtGA3ox2, a Key Gene Responsible for Bioactive Gibberellin Biosynthesis, Is Regulated during Embryogenesis by LEAFY COTYLEDON2 and FUSCA3 in Arabidopsis. Plant Physiology, 2004, 136, 3660-3669.	4.8	216
60	Analysis of an activated ABI5 allele using a new selection method for transgenic Arabidopsis seeds. FEBS Letters, 2004, 561, 127-131.	2.8	144
61	Regulation of storage protein gene expression in Arabidopsis. Development (Cambridge), 2003, 130, 6065-6073.	2.5	244
62	The Homologous ABI5 and EEL Transcription Factors Function Antagonistically to Fine-Tune Gene Expression during Late Embryogenesis. Plant Cell, 2002, 14, 1391-1403.	6.6	232
63	bZIP transcription factors in Arabidopsis. Trends in Plant Science, 2002, 7, 106-111.	8.8	1,585
64	Interaction of LEAFY, AGAMOUS and TERMINAL FLOWER1 in maintaining floral meristem identity in Arabidopsis. Development (Cambridge), 2002, 129, 2519-27.	2.5	49
65	A Molecular Link between Stem Cell Regulation and Floral Patterning in Arabidopsis. Cell, 2001, 105, 793-803.	28.9	650
66	A genetic framework for floral patterning. Nature, 1998, 395, 561-566.	27.8	525
67	Interactions between the ABI1 and the ectopically expressed ABI3 genes in controlling abscisic acid responses in Arabidopsis vegetative tissues. Plant Journal, 1997, 11, 693-702.	5.7	105
68	Use of the lacZ reporter gene as an internal control for GUS activity in microprojectile bombarded plant tissue. Plant Science, 1996, 120, 153-160.	3.6	8
69	Differential regulation of two ABA-inducible genes from Craterostigma plantagineum in transgenic Arabidopsis plants. Plant Molecular Biology, 1996, 30, 343-349.	3.9	21