

Florian Frugier

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7077398/publications.pdf>

Version: 2024-02-01

49
papers

4,353
citations

147801

31
h-index

214800

47
g-index

50
all docs

50
docs citations

50
times ranked

3497
citing authors

#	ARTICLE	IF	CITATIONS
1	Editorial Feature: Meet the PCP Editor“Florian Frugier. Plant and Cell Physiology, 2022, , .	3.1	0
2	NLP1 binds the CEP1 signalling peptide promoter to repress its expression in response to nitrate. New Phytologist, 2022, 234, 1547-1552.	7.3	12
3	A dual legume“rhizobium transcriptome of symbiotic nodule senescence reveals coordinated plant and bacterial responses. Plant, Cell and Environment, 2022, 45, 3100-3121.	5.7	9
4	Nitrogen Systemic Signaling: From Symbiotic Nodulation to Root Acquisition. Trends in Plant Science, 2021, 26, 392-406.	8.8	39
5	Nitrate-induced CLE35 signaling peptides inhibit nodulation through the SUNN receptor and miR2111 repression. Plant Physiology, 2021, 185, 1216-1228.	4.8	37
6	CEP receptor signalling controls root system architecture in Arabidopsis and Medicago. New Phytologist, 2020, 226, 1809-1821.	7.3	35
7	A CEP Peptide Receptor-Like Kinase Regulates Auxin Biosynthesis and Ethylene Signaling to Coordinate Root Growth and Symbiotic Nodulation in <i>Medicago truncatula</i> . Plant Cell, 2020, 32, 2855-2877.	6.6	41
8	A Cytokinin Signaling Type-B Response Regulator Transcription Factor Acting in Early Nodulation. Plant Physiology, 2020, 183, 1319-1330.	4.8	19
9	The NIN transcription factor coordinates CEP and CLE signaling peptides that regulate nodulation antagonistically. Nature Communications, 2020, 11, 3167.	12.8	79
10	A CEP Peptide Receptor-Like Kinase Regulates Auxin Biosynthesis and Ethylene Signaling to Coordinate Root Growth and Symbiotic Nodulation in <i>Medicago truncatula</i> . Plant Cell, 2020, 32, 2855-2877.	6.6	8
11	Compact Root Architecture 2 Promotes Root Competence for Nodulation through the miR2111 Systemic Effector. Current Biology, 2020, 30, 1339-1345.e3.	3.9	75
12	Legume nodule senescence: a coordinated death mechanism between bacteria and plant cells. Advances in Botanical Research, 2020, 94, 181-212.	1.1	16
13	Diversification of cytokinin phosphotransfer signaling genes in <i>Medicago truncatula</i> and other legume genomes. BMC Genomics, 2019, 20, 373.	2.8	14
14	Gibberellins negatively regulate the development of <i>Medicago truncatula</i> root system. Scientific Reports, 2019, 9, 2335.	3.3	23
15	Independent Regulation of Symbiotic Nodulation by the SUNN Negative and CRA2 Positive Systemic Pathways. Plant Physiology, 2019, 180, 559-570.	4.8	38
16	Unraveling new molecular players involved in the autoregulation of nodulation in <i>Medicago truncatula</i> . Journal of Experimental Botany, 2019, 70, 1407-1417.	4.8	41
17	MtNRLK1, a CLAVATA1-like leucine-rich repeat receptor-like kinase upregulated during nodulation in <i>Medicago truncatula</i> . Scientific Reports, 2018, 8, 2046.	3.3	9
18	Cytokinins and the CRE1 receptor influence endogenous gibberellin levels in <i>Medicago truncatula</i> . Plant Signaling and Behavior, 2018, 13, e1428513.	2.4	9

#	ARTICLE	IF	CITATIONS
19	Whole-genome landscape of <i>Medicago truncatula</i> symbiotic genes. <i>Nature Plants</i> , 2018, 4, 1017-1025.	9.3	192
20	DELLA1-Mediated Gibberellin Signaling Regulates Cytokinin-Dependent Symbiotic Nodulation. <i>Plant Physiology</i> , 2017, 175, 1795-1806.	4.8	45
21	Cytokinins in Symbiotic Nodulation: When, Where, What For?. <i>Trends in Plant Science</i> , 2017, 22, 792-802.	8.8	128
22	KNAT3/4/5-like class 2 KNOX transcription factors are involved in <i>Medicago truncatula</i> symbiotic nodule organ development. <i>New Phytologist</i> , 2017, 213, 822-837.	7.3	49
23	How Auxin and Cytokinin Phytohormones Modulate Root Microbe Interactions. <i>Frontiers in Plant Science</i> , 2016, 7, 1240.	3.6	121
24	Different cytokinin histidine kinase receptors regulate nodule initiation as well as later nodule developmental stages in <i>Medicago truncatula</i> . <i>Plant, Cell and Environment</i> , 2016, 39, 2198-2209.	5.7	49
25	Different Pathways Act Downstream of the CEP Peptide Receptor CRA2 to Regulate Lateral Root and Nodule Development. <i>Plant Physiology</i> , 2016, 171, 2536-2548.	4.8	100
26	A Laser Dissection-RNAseq Analysis Highlights the Activation of Cytokinin Pathways by Nod Factors in the <i>Medicago truncatula</i> Root Epidermis. <i>Plant Physiology</i> , 2016, 171, 2256-2276.	4.8	128
27	Opposing control by transcription factors MYB61 and MYB3 Increases Freezing Tolerance by relieving C-repeat Binding Factor suppression. <i>Plant Physiology</i> , 2016, 172, pp.00051.2016.	4.8	32
28	Root Development and Endosymbioses: DELLAs Lead the Orchestra. <i>Trends in Plant Science</i> , 2016, 21, 898-900.	8.8	22
29	DELLA-mediated gibberellin signalling regulates Nod factor signalling and rhizobial infection. <i>Nature Communications</i> , 2016, 7, 12636.	12.8	135
30	The CRE1 Cytokinin Pathway Is Differentially Recruited Depending on <i>Medicago truncatula</i> Root Environments and Negatively Regulates Resistance to a Pathogen. <i>PLoS ONE</i> , 2015, 10, e0116819.	2.5	54
31	Flavonoids and Auxin Transport Inhibitors Rescue Symbiotic Nodulation in the <i>Medicago truncatula</i> Cytokinin Perception Mutant <i>cre1</i> . <i>Plant Cell</i> , 2015, 27, 2210-2226.	6.6	142
32	Local and Systemic Regulation of Plant Root System Architecture and Symbiotic Nodulation by a Receptor-Like Kinase. <i>PLoS Genetics</i> , 2014, 10, e1004891.	3.5	101
33	The small RNA diversity from <i>Medicago truncatula</i> roots under biotic interactions evidences the environmental plasticity of the miRNAome. <i>Genome Biology</i> , 2014, 15, 457.	8.8	78
34	Bioactive Cytokinins Are Selectively Secreted by <i>Sinorhizobium meliloti</i> Nodulating and Nonnodulating Strains. <i>Molecular Plant-Microbe Interactions</i> , 2013, 26, 1225-1231.	2.6	46
35	Analyzing Small and Long RNAs in Plant Development Using Non-radioactive In Situ Hybridization. <i>Methods in Molecular Biology</i> , 2013, 959, 303-316.	0.9	9
36	Nomenclature for Members of the Two-Component Signaling Pathway of Plants. <i>Plant Physiology</i> , 2013, 161, 1063-1065.	4.8	45

#	ARTICLE	IF	CITATIONS
37	Two Direct Targets of Cytokinin Signaling Regulate Symbiotic Nodulation in <i>Medicago truncatula</i> . <i>Plant Cell</i> , 2012, 24, 3838-3852.	6.6	136
38	Dual involvement of a <i>Medicago truncatula</i> NAC transcription factor in root abiotic stress response and symbiotic nodule senescence. <i>Plant Journal</i> , 2012, 70, 220-230.	5.7	111
39	MtCRE1-dependent cytokinin signaling integrates bacterial and plant cues to coordinate symbiotic nodule organogenesis in <i>Medicago truncatula</i> . <i>Plant Journal</i> , 2011, 65, 622-633.	5.7	257
40	The <i>Compact Root Architecture1</i> Gene Regulates Lignification, Flavonoid Production, and Polar Auxin Transport in <i>Medicago truncatula</i> . <i>Plant Physiology</i> , 2010, 153, 1597-1607.	4.8	41
41	Genome-Wide <i>Medicago truncatula</i> Small RNA Analysis Revealed Novel MicroRNAs and Isoforms Differentially Regulated in Roots and Nodules. <i>Plant Cell</i> , 2009, 21, 2780-2796.	6.6	270
42	Cytokinin: secret agent of symbiosis. <i>Trends in Plant Science</i> , 2008, 13, 115-120.	8.8	170
43	EFD Is an ERF Transcription Factor Involved in the Control of Nodule Number and Differentiation in <i>Medicago truncatula</i> . <i>Plant Cell</i> , 2008, 20, 2696-2713.	6.6	172
44	De Novo Organ Formation from Differentiated Cells: Root Nodule Organogenesis. <i>Science Signaling</i> , 2008, 1, re11.	3.6	110
45	Identification of regulatory pathways involved in the reacquisition of root growth after salt stress in <i>Medicago truncatula</i> . <i>Plant Journal</i> , 2007, 51, 1-17.	5.7	112
46	MtHAP2-1 is a key transcriptional regulator of symbiotic nodule development regulated by microRNA169 in <i>Medicago truncatula</i> . <i>Genes and Development</i> , 2006, 20, 3084-3088.	5.9	450
47	The <i>Medicago truncatula</i> CRE1 Cytokinin Receptor Regulates Lateral Root Development and Early Symbiotic Interaction with <i>Sinorhizobium meliloti</i> . <i>Plant Cell</i> , 2006, 18, 2680-2693.	6.6	467
48	A Krüppel-like zinc finger protein is involved in nitrogen-fixing root nodule organogenesis. <i>Genes and Development</i> , 2000, 14, 475-482.	5.9	72
49	Legume Root Architecture: A Peculiar Root System. , 0, , 239-287.		5