# Florian Frugier

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | TheMedicago truncatulaCRE1 Cytokinin Receptor Regulates Lateral Root Development and Early Symbiotic Interaction withSinorhizobium meliloti. Plant Cell, 2006, 18, 2680-2693. | 6.6 | 467 |
| 2 | MtHAP2-1 is a key transcriptional regulator of symbiotic nodule development regulated by microRNA169 in Medicago truncatula. Genes and Development, 2006, 20, 3084-3088. | 5.9 | 450 |
| 3 | Genome-Wide<i>Medicago truncatula</i>Small RNA Analysis Revealed Novel MicroRNAs and Isoforms Differentially Regulated in Roots and Nodules. Plant Cell, 2009, 21, 2780-2796. | 6.6 | 270 |
| 4 | MtCRE1â€dependent cytokinin signaling integrates bacterial and plant cues to coordinate symbiotic nodule organogenesis in <i>Medicago truncatula</i>. Plant Journal, 2011, 65, 622-633. | 5.7 | 257 |
| 5 | Whole-genome landscape of Medicago truncatula symbiotic genes. Nature Plants, 2018, 4, 1017-1025. | 9.3 | 192 |
| 6 | EFD Is an ERF Transcription Factor Involved in the Control of Nodule Number and Differentiation in<i>Medicago truncatula</i>. Plant Cell, 2008, 20, 2696-2713. | 6.6 | 172 |
| 7 | Cytokinin: secret agent of symbiosis. Trends in Plant Science, 2008, 13, 115-120. | 8.8 | 170 |
| 8 | Flavonoids and Auxin Transport Inhibitors Rescue Symbiotic Nodulation in the <i>Medicago truncatula</i> Cytokinin Perception Mutant <i>cre1</i>. Plant Cell, 2015, 27, 2210-2226. | 6.6 | 142 |
| 9 | Two Direct Targets of Cytokinin Signaling Regulate Symbiotic Nodulation in <i>Medicago truncatula</i> Â Â. Plant Cell, 2012, 24, 3838-3852. | 6.6 | 136 |
| 10 | DELLA-mediated gibberellin signalling regulates Nod factor signalling and rhizobial infection. Nature Communications, 2016, 7, 12636. | 12.8 | 135 |
| 11 | A Laser Dissection-RNAseq Analysis Highlights the Activation of Cytokinin Pathways by Nod Factors in the <i>Medicago truncatula</i> Root Epidermis. Plant Physiology, 2016, 171, 2256-2276. | 4.8 | 128 |
| 12 | Cytokinins in Symbiotic Nodulation: When, Where, What For?. Trends in Plant Science, 2017, 22, 792-802. | 8.8 | 128 |
| 13 | How Auxin and Cytokinin Phytohormones Modulate Root Microbe Interactions. Frontiers in Plant Science, 2016, 7, 1240. | 3.6 | 121 |
| 14 | Identification of regulatory pathways involved in the reacquisition of root growth after salt stress in Medicago truncatula. Plant Journal, 2007, 51, 1-17. | 5.7 | 112 |
| 15 | Dual involvement of a <i>Medicago truncatula</i> NAC transcription factor in root abiotic stress response and symbiotic nodule senescence. Plant Journal, 2012, 70, 220-230. | 5.7 | 111 |
| 16 | De Novo Organ Formation from Differentiated Cells: Root Nodule Organogenesis. Science Signaling, 2008, 1, re11. | 3.6 | 110 |
| 17 | Local and Systemic Regulation of Plant Root System Architecture and Symbiotic Nodulation by a Receptor-Like Kinase. PLoS Genetics, 2014, 10, e1004891. | 3.5 | 101 |
| 18 | Different Pathways Act Downstream of the CEP Peptide Receptor CRA2 to Regulate Lateral Root and Nodule Development. Plant Physiology, 2016, 171, 2536-2548. | 4.8 | 100 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The NIN transcription factor coordinates CEP and CLE signaling peptides that regulate nodulation antagonistically. Nature Communications, 2020, 11, 3167. | 12.8 | 79 |
| 20 | The small RNA diversity from Medicago truncatularoots under biotic interactions evidences the environmental plasticity of the miRNAome. Genome Biology, 2014, 15, 457. | 8.8 | 78 |
| 21 | Compact Root Architecture 2 Promotes Root Competence for Nodulation through the miR2111 Systemic Effector. Current Biology, 2020, 30, 1339-1345.e3. | 3.9 | 75 |
| 22 | A KrÃ¼ppel-like zinc finger protein is involved in nitrogen-fixing root nodule organogenesis. Genes and Development, 2000, 14, 475-482. | 5.9 | 72 |
| 23 | The CRE1 Cytokinin Pathway Is Differentially Recruited Depending on Medicago truncatula Root Environments and Negatively Regulates Resistance to a Pathogen. PLoS ONE, 2015, 10, e0116819. | 2.5 | 54 |
| 24 | Different cytokinin histidine kinase receptors regulate nodule initiation as well as later nodule developmental stages in <i>Medicago truncatula</i>. Plant, Cell and Environment, 2016, 39, 2198-2209. | 5.7 | 49 |
| 25 | <scp>KNAT</scp>3/4/5â€like class 2 <scp>KNOX</scp> transcription factors are involved in <i>Medicago truncatula</i> symbiotic nodule organ development. New Phytologist, 2017, 213, 822-837. | 7.3 | 49 |
| 26 | Bioactive Cytokinins Are Selectively Secreted by <i>Sinorhizobium meliloti</i> Nodulating and Nonnodulating Strains. Molecular Plant-Microbe Interactions, 2013, 26, 1225-1231. | 2.6 | 46 |
| 27 | Nomenclature for Members of the Two-Component Signaling Pathway of Plants. Plant Physiology, 2013, 161, 1063-1065. | 4.8 | 45 |
| 28 | DELLA1-Mediated Gibberellin Signaling Regulates Cytokinin-Dependent Symbiotic Nodulation. Plant Physiology, 2017, 175, 1795-1806. | 4.8 | 45 |
| 29 | The <i>Compact Root Architecture1</i> Gene Regulates Lignification, Flavonoid Production, and Polar Auxin Transport in <i>Medicago truncatula</i> Â Â. Plant Physiology, 2010, 153, 1597-1607. | 4.8 | 41 |
| 30 | 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 |
| 31 | 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 |
| 32 | Nitrogen Systemic Signaling: From Symbiotic Nodulation to Root Acquisition. Trends in Plant Science, 2021, 26, 392-406. | 8.8 | 39 |
| 33 | Independent Regulation of Symbiotic Nodulation by the SUNN Negative and CRA2 Positive Systemic Pathways. Plant Physiology, 2019, 180, 559-570. | 4.8 | 38 |
| 34 | Nitrate-induced CLE35 signaling peptides inhibit nodulation through the SUNN receptor and miR2111 repression. Plant Physiology, 2021, 185, 1216-1228. | 4.8 | 37 |
| 35 | CEP receptor signalling controls root system architecture in Arabidopsis and Medicago. New Phytologist, 2020, 226, 1809-1821. | 7.3 | 35 |
| 36 | Opposing control by transcription factors MYB61 and MYB3 Increases Freezing Tolerance by relieving C-repeat Binding Factor suppression. Plant Physiology, 2016, 172, pp.00051.2016. | 4.8 | 32 |

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|---|---|---|---|
| 37 | Gibberellins negatively regulate the development of Medicago truncatula root system. Scientific Reports, 2019, 9, 2335. | 3.3 | 23 |
| 38 | Root Development and Endosymbioses: DELLAs Lead the Orchestra. Trends in Plant Science, 2016, 21, 898-900. | 8.8 | 22 |
| 39 | A Cytokinin Signaling Type-B Response Regulator Transcription Factor Acting in Early Nodulation. Plant Physiology, 2020, 183, 1319-1330. | 4.8 | 19 |
| 40 | Legume nodule senescence: a coordinated death mechanism between bacteria and plant cells. Advances in Botanical Research, 2020, 94, 181-212. | 1.1 | 16 |
| 41 | Diversification of cytokinin phosphotransfer signaling genes in Medicago truncatula and other legume genomes. BMC Genomics, 2019, 20, 373. | 2.8 | 14 |
| 42 | NLP1 binds the CEP1 signalling peptide promoter to repress its expression in response to nitrate. New Phytologist, 2022, 234, 1547-1552. | 7.3 | 12 |
| 43 | Analyzing Small and Long RNAs in Plant Development Using Non-radioactive In Situ Hybridization. Methods in Molecular Biology, 2013, 959, 303-316. | 0.9 | 9 |
| 44 | MtNRLK1, a CLAVATA1-like leucine-rich repeat receptor-like kinase upregulated during nodulation in Medicago truncatula. Scientific Reports, 2018, 8, 2046. | 3.3 | 9 |
| 45 | Cytokinins and the CRE1 receptor influence endogenous gibberellin levels in <i>Medicago truncatula</i>. Plant Signaling and Behavior, 2018, 13, e1428513. | 2.4 | 9 |
| 46 | A dual legumeâ€rhizobium transcriptome of symbiotic nodule senescence reveals coordinated plant and bacterial responses. Plant, Cell and Environment, 2022, 45, 3100-3121. | 5.7 | 9 |
| 47 | 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 |
| 48 | Legume Root Architecture: A Peculiar Root System. , 0, , 239-287. | | 5 |
| 49 | Editorial Feature: Meet the PCP Editorâ€"Florian Frugier. Plant and Cell Physiology, 2022, , . | 3.1 | 0 |