

Nathalie Gonzalez

List of Publications by Year in descending order

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59
papers

4,743
citations

94433

37
h-index

133252

59
g-index

64
all docs

64
docs citations

64
times ranked

5851
citing authors

#	ARTICLE	IF	CITATIONS
1	Leaf size control: complex coordination of cell division and expansion. Trends in Plant Science, 2012, 17, 332-340.	8.8	446
2	Exit from Proliferation during Leaf Development in Arabidopsis thaliana: A Not-So-Gradual Process. Developmental Cell, 2012, 22, 64-78.	7.0	361
3	The <i>SAUR19</i> subfamily of <i>SMALL AUXIN UP RNA</i> genes promote cell expansion. Plant Journal, 2012, 70, 978-990.	5.7	359
4	Survival and growth of Arabidopsis plants given limited water are not equal. Nature Biotechnology, 2011, 29, 212-214.	17.5	267
5	Increased Leaf Size: Different Means to an End. Plant Physiology, 2010, 153, 1261-1279.	4.8	222
6	ANGUSTIFOLIA3 Binds to SWI/SNF Chromatin Remodeling Complexes to Regulate Transcription during Arabidopsis Leaf Development. Plant Cell, 2014, 26, 210-229.	6.6	219
7	Leaf Responses to Mild Drought Stress in Natural Variants of Arabidopsis. Plant Physiology, 2015, 167, 800-816.	4.8	176
8	Flower development schedule in tomato Lycopersicon esculentum cv. sweet cherry. Sexual Plant Reproduction, 2003, 15, 311-320.	2.2	144
9	A Journey Through a Leaf: Phenomics Analysis of Leaf Growth in Arabidopsis thaliana. The Arabidopsis Book, 2015, 13, e0181.	0.5	130
10	Ubiquitylation activates a peptidase that promotes cleavage and destabilization of its activating E3 ligases and diverse growth regulatory proteins to limit cell proliferation in Arabidopsis. Genes and Development, 2017, 31, 197-208.	5.9	128
11	A Repressor Protein Complex Regulates Leaf Growth in Arabidopsis. Plant Cell, 2015, 27, 2273-2287.	6.6	118
12	The cell cycle-associated protein kinase WEE1 regulates cell size in relation to endoreduplication in developing tomato fruit. Plant Journal, 2007, 51, 642-655.	5.7	113
13	GROWTH REGULATING FACTOR5 Stimulates Arabidopsis Chloroplast Division, Photosynthesis, and Leaf Longevity. Plant Physiology, 2015, 167, 817-832.	4.8	100
14	The APC/C subunit 10 plays an essential role in cell proliferation during leaf development. Plant Journal, 2011, 68, 351-363.	5.7	99
15	David and Goliath: what can the tiny weed Arabidopsis teach us to improve biomass production in crops?. Current Opinion in Plant Biology, 2009, 12, 157-164.	7.1	93
16	At-MINI ZINC FINGER2 and SI-INHIBITOR OF MERISTEM ACTIVITY, a Conserved Missing Link in the Regulation of Floral Meristem Termination in Arabidopsis and Tomato. Plant Cell, 2018, 30, 83-100.	6.6	90
17	Leaf growth in dicots and monocots: so different yet so alike. Current Opinion in Plant Biology, 2016, 33, 72-76.	7.1	87
18	Leaf Growth Response to Mild Drought: Natural Variation in Arabidopsis Sheds Light on Trait Architecture. Plant Cell, 2016, 28, 2417-2434.	6.6	83

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19	Molecular networks regulating cell division during Arabidopsis leaf growth. <i>Journal of Experimental Botany</i> , 2020, 71, 2365-2378.	4.8	83
20	SAMBA, a plant-specific anaphase-promoting complex/cyclosome regulator is involved in early development and A-type cyclin stabilization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13853-13858.	7.1	80
21	Functional characterization of the Arabidopsis transcription factor bZIP29 reveals its role in leaf and root development. <i>Journal of Experimental Botany</i> , 2016, 67, 5825-5840.	4.8	78
22	SCFSAP controls organ size by targeting PPD proteins for degradation in Arabidopsis thaliana. <i>Nature Communications</i> , 2016, 7, 11192.	12.8	77
23	Combining Enhanced Root and Shoot Growth Reveals Cross Talk between Pathways That Control Plant Organ Size in Arabidopsis. <i>Plant Physiology</i> , 2011, 155, 1339-1352.	4.8	75
24	Chloroplasts Are Central Players in Sugar-Induced Leaf Growth. <i>Plant Physiology</i> , 2016, 171, 590-605.	4.8	67
25	Plants grow with a little help from their organelle friends. <i>Journal of Experimental Botany</i> , 2016, 67, 6267-6281.	4.8	61
26	Role of Arabidopsis UV RESISTANCE LOCUS 8 in Plant Growth Reduction under Osmotic Stress and Low Levels of UV-B. <i>Molecular Plant</i> , 2014, 7, 773-791.	8.3	57
27	Forever Young: The Role of Ubiquitin Receptor DA1 and E3 Ligase BIG BROTHER in Controlling Leaf Growth and Development. <i>Plant Physiology</i> , 2017, 173, 1269-1282.	4.8	55
28	Arabidopsis Leaf Flatness Is Regulated by PPD2 and NINJA through Repression of <i>CYCLIN D3</i> Genes. <i>Plant Physiology</i> , 2018, 178, 217-232.	4.8	50
29	Molecular systems governing leaf growth: from genes to networks. <i>Journal of Experimental Botany</i> , 2015, 66, 1045-1054.	4.8	49
30	Molecular characterization of a WEE1 gene homologue in tomato (<i>Lycopersicon esculentum</i> Mill.). <i>Plant Molecular Biology</i> , 2004, 56, 849-861.	3.9	47
31	Impact of segmental chromosomal duplications on leaf size in the <i>grandifolia</i> mutants of <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2009, 60, 122-133.	5.7	46
32	STERILE APETALA modulates the stability of a repressor protein complex to control organ size in Arabidopsis thaliana. <i>PLoS Genetics</i> , 2018, 14, e1007218.	3.5	45
33	Phosphorylation of MAP65-1 by Arabidopsis Aurora Kinases Is Required for Efficient Cell Cycle Progression. <i>Plant Physiology</i> , 2017, 173, 582-599.	4.8	44
34	The cell-cycle interactome: a source of growth regulators?. <i>Journal of Experimental Botany</i> , 2014, 65, 2715-2730.	4.8	43
35	Emerging Connections between Small RNAs and Phytohormones. <i>Trends in Plant Science</i> , 2020, 25, 912-929.	8.8	43
36	A comparative study of seed yield parameters in <i>Arabidopsis thaliana</i> mutants and transgenics. <i>Plant Biotechnology Journal</i> , 2012, 10, 488-500.	8.3	42

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37	High-resolution time-resolved imaging of <i>in vitro</i> Arabidopsis rosette growth. <i>Plant Journal</i> , 2014, 80, 172-184.	5.7	41
38	Transcriptome profiling of sorted endoreduplicated nuclei from tomato fruits: how the global shift in expression ascribed to DNA ploidy influences RNA-seq data normalization and interpretation. <i>Plant Journal</i> , 2018, 93, 387-398.	5.7	39
39	Combining growth-promoting genes leads to positive epistasis in <i>Arabidopsis thaliana</i> . <i>ELife</i> , 2014, 3, e02252.	6.0	38
40	Drought resistance is mediated by divergent strategies in closely related Brassicaceae. <i>New Phytologist</i> , 2019, 223, 783-797.	7.3	34
41	cis-Cinnamic acid is a natural plant growth-promoting compound. <i>Journal of Experimental Botany</i> , 2019, 70, 6293-6304.	4.8	31
42	Complex cellular and molecular events determining fruit size. <i>Trends in Plant Science</i> , 2021, 26, 1023-1038.	8.8	31
43	Plant Growth Beyond Limits. <i>Trends in Plant Science</i> , 2016, 21, 102-109.	8.8	27
44	Comparative transcriptomics enables the identification of functional orthologous genes involved in early leaf growth. <i>Plant Biotechnology Journal</i> , 2020, 18, 553-567.	8.3	24
45	A genetics screen highlights emerging roles for CPL3, RST1 and URT1 in RNA metabolism and silencing. <i>Nature Plants</i> , 2019, 5, 539-550.	9.3	23
46	Strobilurins as growth-promoting compounds: how Stroby regulates <i>Arabidopsis</i> leaf growth. <i>Plant, Cell and Environment</i> , 2017, 40, 1748-1760.	5.7	21
47	The role of HEXOKINASE1 in <i>Arabidopsis</i> leaf growth. <i>Plant Molecular Biology</i> , 2019, 99, 79-93.	3.9	20
48	In search of the still unknown function of FW2.2/CELL NUMBER REGULATOR, a major regulator of fruit size in tomato. <i>Journal of Experimental Botany</i> , 2021, 72, 5300-5311.	4.8	20
49	Natural Variation of Molecular and Morphological Gibberellin Responses. <i>Plant Physiology</i> , 2017, 173, 703-714.	4.8	16
50	CIN-like TCP13 is essential for plant growth regulation under dehydration stress. <i>Plant Molecular Biology</i> , 2022, 108, 257-275.	3.9	16
51	AIP1 is a novel Agenet/Tudor domain protein from <i>Arabidopsis</i> that interacts with regulators of DNA replication, transcription and chromatin remodeling. <i>BMC Plant Biology</i> , 2015, 15, 270.	3.6	15
52	The PEAPOD Pathway and Its Potential To Improve Crop Yield. <i>Trends in Plant Science</i> , 2021, 26, 220-236.	8.8	14
53	SIKIX8 and SIKIX9 are negative regulators of leaf and fruit growth in tomato. <i>Plant Physiology</i> , 2022, 188, 382-396.	4.8	12
54	The Mitochondrial DNA (mtDNA)-Associated Protein SWIB5 Influences mtDNA Architecture and Homologous Recombination. <i>Plant Cell</i> , 2017, 29, tpc.00899.2016.	6.6	11

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55	Hide and seek: unclocking the vegetative shoot apex of <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2010, 63, 541-548.	5.7	9
56	Zinc Finger-Homeodomain and Mini Zinc Finger proteins are key players in plant growth and responses to environmental stresses. <i>Journal of Experimental Botany</i> , 2022, 73, 4662-4673.	4.8	8
57	The KnownLeaf literature curation system captures knowledge about <i>Arabidopsis</i> leaf growth and development and facilitates integrated data mining. <i>Current Plant Biology</i> , 2015, 2, 1-11.	4.7	7
58	Understanding plant organ growth: a multidisciplinary field. <i>Journal of Experimental Botany</i> , 2019, 71, 7-10.	4.8	3
59	Plant organ and tip growth. <i>Journal of Experimental Botany</i> , 2020, 71, 2363-2364.	4.8	2