

Nancy R. Hofmann

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

539
citations

933447

10
h-index

752698

20
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100
all docs

100
docs citations

100
times ranked

983
citing authors

#	ARTICLE	IF	CITATIONS
1	Trichomes on reproductive organs in Arabidopsis: a new trait in an ancient lineage. <i>Plant Cell</i> , 2021, 33, 449-450.	6.6	0
2	Designer PPR Proteins as Tools to Explore RNA Binding in Vivo. <i>Plant Cell</i> , 2019, 31, 1674-1675.	6.6	1
3	Cell Wall Polymers: The Importance of Deacetylation. <i>Plant Cell</i> , 2019, 31, 936-936.	6.6	4
4	Ethylene Represses Gene Transcription via Histone Deacetylases. <i>Plant Cell</i> , 2018, 30, 261-261.	6.6	0
5	The Dynamic Transcriptome: Using Clustered Time Points to Tease Apart Rice Tiller Angle Control. <i>Plant Cell</i> , 2018, 30, 1381-1382.	6.6	1
6	An Emerging Paradigm? RxLR Cleavage before Effector Secretion. <i>Plant Cell</i> , 2017, 29, 1177-1178.	6.6	2
7	A Kinase- and Proteasome-Mediated Link between Lipid Biosynthesis and Energy Homeostasis. <i>Plant Cell</i> , 2017, 29, 606-606.	6.6	0
8	Evidence for Two Distinct Stages in Secondary Cell Wall Formation of Xylem. <i>Plant Cell</i> , 2017, 29, 2307-2308.	6.6	0
9	So Much Data, So Little Time: ePlant Steps into the Breach for Plant Researchers. <i>Plant Cell</i> , 2017, 29, 1797-1797.	6.6	0
10	The Who, What, and Where of Plant Polyprenol Biosynthesis Point to Thylakoid Membranes and Photosynthetic Performance. <i>Plant Cell</i> , 2017, 29, 1552-1553.	6.6	2
11	Basal versus Nonbasal Polarity: Different Endomembrane Trafficking Pathways Establish Different Patterns. <i>Plant Cell</i> , 2017, 29, 1-1.	6.6	4
12	A Genome-Wide Approach to Understanding a Noncanonical ARF. <i>Plant Cell</i> , 2017, 29, 1798-1799.	6.6	2
13	Epitranscriptomics and Flowering: mRNA Methylation/Demethylation Regulates Flowering Time. <i>Plant Cell</i> , 2017, 29, 2949-2950.	6.6	11
14	Nanopore Sequencing Comes to Plant Genomes. <i>Plant Cell</i> , 2017, 29, 2677-2678.	6.6	2
15	Should I Stay or Should I Go? Abundance as a New Null Hypothesis for Determination of mRNA Mobility. <i>Plant Cell</i> , 2016, 28, 597-598.	6.6	3
16	Opposing Functions for Plant Xanthine Dehydrogenase in Response to Powdery Mildew Infection: Production and Scavenging of Reactive Oxygen Species. <i>Plant Cell</i> , 2016, 28, 1001-1001.	6.6	13
17	Do Phytochromes and Phytochrome-Interacting Factors Need to Interact?. <i>Plant Cell</i> , 2016, 28, 2698-2699.	6.6	0
18	A Structure for Plant-Specific Transcription Factors: The GRAS Domain Revealed. <i>Plant Cell</i> , 2016, 28, 993-994.	6.6	16

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19	A Breakthrough in Monocot Transformation Methods. <i>Plant Cell</i> , 2016, 28, 1989-1989.	6.6	12
20	A Functional Link between Mitochondria and the Cell Wall in Stress Responses. <i>Plant Cell</i> , 2016, 28, 1996-1996.	6.6	6
21	Invisible No Longer: Peptidoglycan in Moss Chloroplasts. <i>Plant Cell</i> , 2016, 28, tpc.00521.2016.	6.6	2
22	Another Step Closer to Understanding Plant Cell Wall Biosynthesis: The Crystal Structure of FUCOSYLTRANSFERASE1. <i>Plant Cell</i> , 2016, 28, 2344-2345.	6.6	0
23	Last Exit to Differentiation: Histone Variants as Signposts. <i>Plant Cell</i> , 2016, 28, 1235-1235.	6.6	2
24	Keep Your Cool: A Regulatory Region to Inactivate Heat Stress Transcription Factors under Normal Conditions. <i>Plant Cell</i> , 2016, 28, 2-2.	6.6	0
25	When a Tree Falls in the Woods: The Gravitropic Response in Poplar. <i>Plant Cell</i> , 2015, 27, tpc.15.00824.	6.6	0
26	A Transcriptomic Approach to Evolutionary Genetics of Giant Horsetail. <i>Plant Cell</i> , 2015, 27, 1566-1566.	6.6	0
27	A Mechanism for Inhibition of COP1 in Photomorphogenesis: Direct Interactions of Phytochromes with SPA Proteins. <i>Plant Cell</i> , 2015, 27, 8-8.	6.6	9
28	Downstream of a Kinase Cascade: A Trihelix Transcription Factor Represses Immune Genes. <i>Plant Cell</i> , 2015, 27, 481-481.	6.6	0
29	Taking Hormone Crosstalk to a New Level: Brassinosteroids Regulate Gibberellin Biosynthesis. <i>Plant Cell</i> , 2015, 27, 2081-2081.	6.6	10
30	Epigenetic Battles Underfoot: Allelopathy among Plants Can Target Chromatin Modification. <i>Plant Cell</i> , 2015, 27, 3021-3021.	6.6	0
31	Leaf Growth Directionality Is Divergent and Involves a Conserved MicroRNA Regulatory Module. <i>Plant Cell</i> , 2015, 27, tpc.15.00823.	6.6	0
32	Simultaneous Monitoring of Leaf Growth and Leaf Movement. <i>Plant Cell</i> , 2014, 26, 3828-3828.	6.6	0
33	Observe Them in Their Native Habitat: Atomic Force Microscopy of Photosynthetic Complexes in Thylakoid Membranes. <i>Plant Cell</i> , 2014, 26, 2727-2727.	6.6	0
34	Marked for Destruction: MANNOSIDASE4 and 5 Process <i>N</i> -Linked Glycans into ER-Associated Degradation Tags. <i>Plant Cell</i> , 2014, 26, 1381-1381.	6.6	0
35	The Importance of Being Absent: Auxin Minima Are Required for Axillary Meristem Formation. <i>Plant Cell</i> , 2014, 26, 1836-1836.	6.6	4
36	Supply Route: ABCG Transporters Act in the Construction of Suberin Barriers. <i>Plant Cell</i> , 2014, 26, 3471-3471.	6.6	7

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37	No Scalpel Needed: Translatome of Pollen Tubes Growing within the Flower in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 517-517.	6.6	1
38	A World Beyond <i>Arabidopsis</i> : Updates on Small RNAs in Plant Development. <i>Plant Cell</i> , 2014, 26, 4564-4564.	6.6	2
39	Cryptochromes and Seed Dormancy: The Molecular Mechanism of Blue Light Inhibition of Grain Germination. <i>Plant Cell</i> , 2014, 26, 846-846.	6.6	11
40	Getting to the Root of Regeneration: Adventitious Rooting and Callus Formation. <i>Plant Cell</i> , 2014, 26, 845-845.	6.6	10
41	The WKRY6 Transcription Factor Is a Key Player in a Multifaceted Defense against Arsenate. <i>Plant Cell</i> , 2013, 25, 2768-2768.	6.6	1
42	Volatile Organic Compounds: A Bacterial Contribution to Plant Sulfur Nutrition. <i>Plant Cell</i> , 2013, 25, 2381-2381.	6.6	15
43	Ribosomal Regulation of Mitochondrial Gene Expression. <i>Plant Cell</i> , 2013, 25, 1487-1487.	6.6	1
44	Endoplasmic Reticulum-Localized Transcription Factors and Mitochondrial Retrograde Regulation. <i>Plant Cell</i> , 2013, 25, 3151-3151.	6.6	3
45	A New Mechanism for Starch Dephosphorylation: Insight from the Structure of LIKE SEX FOUR2. <i>Plant Cell</i> , 2013, 25, 1915-1915.	6.6	1
46	Reconstruction of the <i>Brassica rapa</i> Ancestral Genome. <i>Plant Cell</i> , 2013, 25, 1484-1484.	6.6	2
47	Ethanolamide Oxylipins: New Players in Seedling Development. <i>Plant Cell</i> , 2013, 25, 3637-3637.	6.6	1
48	Getting There Faster: Genome-Wide Association Studies Point the Way to Increasing Nutritional Values. <i>Plant Cell</i> , 2013, 25, 4772-4772.	6.6	1
49	Gene Expression in Angiosperm Organ Evolution. <i>Plant Cell</i> , 2013, 25, 357-357.	6.6	0
50	Calmodulin Methylation: Another Layer of Regulation in Calcium Signaling. <i>Plant Cell</i> , 2013, 25, 4284-4284.	6.6	5
51	A New Function for BRC1 in Axillary Buds: Suppression of Floral Identity. <i>Plant Cell</i> , 2013, 25, 1191-1191.	6.6	3
52	A NAC Transcription Factor for Flooding: <i>SHYG</i> Helps Plants Keep Their Leaves in the Air. <i>Plant Cell</i> , 2013, 25, 4771-4771.	6.6	3
53	Phosphorylation and Dark Reversion of Phytochrome B. <i>Plant Cell</i> , 2013, 25, 358-358.	6.6	1
54	SHAT1, A New Player in Seed Shattering of Rice. <i>Plant Cell</i> , 2012, 24, 839-839.	6.6	12

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55	A Tripartite Growth Regulatory Cascade of Basic Helix-Loop-Helix Transcription Factors. <i>Plant Cell</i> , 2012, 24, 4775-4775.	6.6	1
56	Nicotianamine in Zinc and Iron Homeostasis. <i>Plant Cell</i> , 2012, 24, 373-373.	6.6	14
57	Alternative Splicing Links the Circadian Clock to Cold Tolerance. <i>Plant Cell</i> , 2012, 24, 2238-2238.	6.6	4
58	The GSK3-Type Kinase ASK1 Targets GLUCOSE-6-PHOSPHATE DEHYDROGENASE to Mediate Oxidative Stress Responses in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 3170-3170.	6.6	2
59	A Global View of Hybrid Vigor: DNA Methylation, Small RNAs, and Gene Expression. <i>Plant Cell</i> , 2012, 24, 841-841.	6.6	13
60	A Refined Model of State Transitions in Plant Thylakoid Membranes. <i>Plant Cell</i> , 2012, 24, 2708-2708.	6.6	4
61	Augmin's Role in Microtubule Generation in Plants. <i>Plant Cell</i> , 2012, 24, 1304-1304.	6.6	2
62	Evolution of the Circadian Clock in a Whole-Genome Context. <i>Plant Cell</i> , 2012, 24, 2239-2239.	6.6	2
63	Ubiquitination and Exocytosis in Plant Immunity. <i>Plant Cell</i> , 2012, 24, 4312-4312.	6.6	2
64	The Molecular Mechanism of the LVR8 UV-B Photoreceptor. <i>Plant Cell</i> , 2012, 24, 3485-3485.	6.6	4
65	MutS HOMOLOG1 Stabilizes Plastid and Mitochondrial Genomes. <i>Plant Cell</i> , 2011, 23, 3085-3085.	6.6	2
66	A Role for Plant AURORA Kinases in Formative Cell Division. <i>Plant Cell</i> , 2011, 23, 3867-3867.	6.6	1
67	A Case for Spatial Regulation in Tetrapyrrole Biosynthesis. <i>Plant Cell</i> , 2011, 23, 4167-4167.	6.6	1
68	A Biophysical Model for Predicting Regulatory Interactions. <i>Plant Cell</i> , 2011, 23, 1187-1187.	6.6	0
69	YUC and TAA1/TAR Proteins Function in the Same Pathway for Auxin Biosynthesis. <i>Plant Cell</i> , 2011, 23, 3869-3869.	6.6	8
70	Visualization of Nod Factor Receptor Dynamics. <i>Plant Cell</i> , 2011, 23, 2473-2473.	6.6	0
71	A Revised Function for ACCUMULATION OF PHOTOSYSTEM ONE1. <i>Plant Cell</i> , 2011, 23, 844-844.	6.6	0
72	The Evolution of Photorespiratory Glycolate Oxidase Activity. <i>Plant Cell</i> , 2011, 23, 2805-2805.	6.6	1

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73	How a Transient Response Becomes Transient: Autophagy Cleans up after Abscisic Acid. <i>Plant Cell</i> , 2011, 23, 429-429.	6.6	3
74	A New Role for ROP GTPases in the Polarization of Cell Division. <i>Plant Cell</i> , 2011, 23, 2007-2007.	6.6	0
75	Linking Multivesicular Bodies to Resistance against Fungal Invasion. <i>Plant Cell</i> , 2010, 22, 3505-3505.	6.6	0
76	MicroRNA Evolution in the Genus <i>Arabidopsis</i> . <i>Plant Cell</i> , 2010, 22, 994-994.	6.6	6
77	A New Thioredoxin Is Involved in Plastid Gene Expression. <i>Plant Cell</i> , 2010, 22, 1423-1423.	6.6	4
78	Mother Knows Best: Maternal Influence on Early Embryogenesis. <i>Plant Cell</i> , 2010, 22, 293-293.	6.6	0
79	Apomixis and Gene Expression in <i>Boechera</i> . <i>Plant Cell</i> , 2010, 22, 539-539.	6.6	9
80	Vascular Development: Similar Regulators Function in Shoot, Root, and Vascular Meristems. <i>Plant Cell</i> , 2010, 22, 2529-2529.	6.6	0
81	Breaking Up Is Hard to Do: Cell Separation Events Involve Multiple Polygalacturonases and Multiple Hormones. <i>Plant Cell</i> , 2009, 21, 16-16.	6.6	0
82	Dynamic Histone Modifications in Light-Regulated Gene Expression. <i>Plant Cell</i> , 2009, 21, 3717-3717.	6.6	1
83	Opposites Attract: Some Phytochromes Do Not Form Homodimers. <i>Plant Cell</i> , 2009, 21, 698-698.	6.6	1
84	The Plasma Membrane as First Responder to Heat Stress. <i>Plant Cell</i> , 2009, 21, 2544-2544.	6.6	31
85	OWL1 Is a Phytochrome A Signaling Component Dedicated to the Very Low Fluence Response. <i>Plant Cell</i> , 2009, 21, 2985-2985.	6.6	0
86	The Tomato Pto Kinase Uses Shared and Unique Surfaces to Recognize Divergent Avirulence Proteins. <i>Plant Cell</i> , 2009, 21, 1623-1623.	6.6	1
87	Glutaredoxin Functions in Floral Development. <i>Plant Cell</i> , 2009, 21, 363-363.	6.6	5
88	Early Signaling Events in Mechanosensing. <i>Plant Cell</i> , 2009, 21, 2191-2191.	6.6	3
89	Using Hypothesis-Driven Modeling to Understand Branching. <i>Plant Cell</i> , 2009, 21, 3415-3415.	6.6	2
90	ATP Transporters in Peroxisomal Membranes. <i>Plant Cell</i> , 2008, 20, 3181-3181.	6.6	0

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91	New Role for ACC in Cell Wall Biosynthesis. <i>Plant Cell</i> , 2008, 20, 2928-2928.	6.6	2
92	Mitotic Spindle Formation in Plants. <i>Plant Cell</i> , 2008, 20, 2544-2544.	6.6	1
93	Abscisic Acid-Mediated Suppression of Systemic Acquired Resistance Signaling. <i>Plant Cell</i> , 2008, 20, 1425-1425.	6.6	5
94	An Endoplasmic Reticulum Protein Involved in Lipid Transfer to Chloroplasts. <i>Plant Cell</i> , 2008, 20, 2007-2007.	6.6	0
95	They All Scream for ICE1/SCRM2: Core Regulatory Units in Stomatal Development. <i>Plant Cell</i> , 2008, 20, 1732-1732.	6.6	6
96	Conservation and Redundancy of Serine Acetyltransferases. <i>Plant Cell</i> , 2008, 20, 2281-2281.	6.6	0
97	Toc64 is not required for import of proteins into chloroplasts in the moss <i>Physcomitrella patens</i> . <i>Plant Journal</i> , 2005, 43, 675-687.	5.7	57
98	Protein- and energy-mediated targeting of chloroplast outer envelope membrane proteins. <i>Plant Journal</i> , 2005, 44, 917-927.	5.7	25
99	Chloroplast outer membrane protein targeting and insertion. <i>Trends in Plant Science</i> , 2005, 10, 450-457.	8.8	101
100	A Novel NH ₂ -terminal, Nonhydrophobic Motif Targets a Male Germ Cell-specific Hexokinase to the Endoplasmic Reticulum and Plasma Membrane. <i>Journal of Biological Chemistry</i> , 1999, 274, 34467-34475.	3.4	29