Dmitri Anton Nusinow

List of Publications by Year
in descending order

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43 papers	5,146 citations	236925 25 h-index	265206 42 g-index
56 all docs	56 docs citations	56 times ranked	6554 citing authors

#	Article	IF	Citations
1	FKF1 and GIGANTEA Complex Formation Is Required for Day-Length Measurement in Arabidopsis. Science, 2007, 318, 261-265.	12.6	744
2	The ELF4â€“ELF3â€“LUX complex links the circadian clock to diurnal control of hypocotyl growth. Nature, 2011, 475, 398-402.	27.8	736
3	Cryptochrome mediates circadian regulation of cAMP signaling and hepatic gluconeogenesis. Nature Medicine, 2010, 16, 1152-1156.	30.7	465
4	Xist RNA and the Mechanism of X Chromosome Inactivation. Annual Review of Genetics, 2002, 36, 233-278.	7.6	425
5	LUX ARRHYTHMO Encodes a Nighttime Repressor of Circadian Gene Expression in the Arabidopsis Core Clock. Current Biology, 2011, 21, 126-133.	3.9	327
6	Stable X chromosome inactivation involves the PRC1 Polycomb complex and requires histone MACROH2A1 and the CULLIN3/SPOP ubiquitin E3 ligase. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7635-7640.	7.1	290
7	Guidelines for Genome-Scale Analysis of Biological Rhythms. Journal of Biological Rhythms, 2017, 32, 380-393.	2.6	237
8	Efficient CRISPR/Cas9 Genome Editing of Phytoene desaturase in Cassava. Frontiers in Plant Science, 2017, 8, 1780.	3.6	172
9	Identification of Evening Complex Associated Proteins in Arabidopsis by Affinity Purification and Mass Spectrometry. Molecular and Cellular Proteomics, 2016, 15, 201-217.	3.8	170
10	Into the Evening: Complex Interactions in the Arabidopsis Circadian Clock. Trends in Genetics, 2016, 32, 674-686.	6.7	140
11	Molecular basis of flowering under natural long-day conditions in Arabidopsis. Nature Plants, 2018, 4, 824-835.	9.3	115
12	A genome resource for green millet Setaria viridis enables discovery of agronomically valuable loci. Nature Biotechnology, 2020, 38, 1203-1210.	17.5	103
13	ELF3 recruitment to thePRR9promoter requires other Evening Complex members in the Arabidopsis circadian clock. Plant Signaling and Behavior, 2012, 7, 170-173.	2.4	102
14	Poly(ADP-ribose) Polymerase 1 Is Inhibited by a Histone H2A Variant, MacroH2A, and Contributes to Silencing of the Inactive X Chromosome. Journal of Biological Chemistry, 2007, 282, 12851-12859.	3.4	100
15	Identification of Open Stomata1-Interacting Proteins Reveals Interactions with Sucrose Non-fermenting1-Related Protein Kinases2 and with Type 2A Protein Phosphatases That Function in Abscisic Acid Responses. Plant Physiology, 2015, 169, 760-779.	4.8	100
16	A mobile ELF4 delivers circadian temperature information from shoots to roots. Nature Plants, 2020, 6, 416-426.	9.3	73
17	Integration of Light and Photoperiodic Signaling in Transcriptional Nuclear Foci. Developmental Cell, 2015, 35, 311-321.	7.0	72
18	PCH1 integrates circadian and light-signaling pathways to control photoperiod-responsive growth in Arabidopsis. ELife, 2016, 5, e13292.	6.0	71

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19	Raspberry Piâ€“powered imaging for plant phenotyping. Applications in Plant Sciences, 2018, 6, e1031.	2.1	68
20	Changes in iron availability in Arabidopsis are rapidly sensed in the leaf vasculature and impaired sensing leads to opposite transcriptional programs in leaves and roots. Plant, Cell and Environment, 2018, 41, 2263-2276.	5.7	68
21	Mapping Post-translational Modifications of the Histone Variant MacroH2A1 Using Tandem Mass Spectrometry. Molecular and Cellular Proteomics, 2006, 5, 194-203.	3.8	65
22	PCH1 regulates light, temperature, and circadian signaling as a structural component of phytochrome B-photobodies in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8603-8608.	7.1	49
23	MacroH2A Allows ATP-Dependent Chromatin Remodeling by SWI/SNF and ACF Complexes but Specifically Reduces Recruitment of SWI/SNF. Biochemistry, 2008, 47, 13726-13732.	2.5	44
24	Interaction and Regulation Between Lipid Mediator Phosphatidic Acid and Circadian Clock Regulators. Plant Cell, 2019, 31, 399-416.	6.6	39
25	Quantitative, image-based phenotyping methods provide insight into spatial and temporal dimensions of plant disease. Plant Physiology, 2016, 172, pp.00984.2016.	4.8	32
26	Optimisation of root traits to provide enhanced ecosystem services in agricultural systems: A focus on cover crops. Plant, Cell and Environment, 2022, 45, 751-770.	5.7	31
27	Developmental regulation of Suz12 localization. Chromosoma, 2005, 114, 183-192.	2.2	28
28	Transgenic overexpression of endogenous FLOWERING LOCUS T-like gene MeFT1Âproduces early flowering in cassava. PLoS ONE, 2020, 15, e0227199.	2.5	26
29	High light and temperature reduce photosynthetic efficiency through different mechanisms in the C4 model Setaria viridis. Communications Biology, 2021, 4, 1092.	4.4	25
30	The Histone Domain of macroH2A1 Contains Several Dispersed Elements that Are Each Sufficient to Direct Enrichment on the Inactive X Chromosome. Journal of Molecular Biology, 2007, 371, 11-18.	4.2	24
31	Data on the identification of protein interactors with the Evening Complex and PCH1 in Arabidopsis using tandem affinity purification and mass spectrometry (TAPâ€“MS). Data in Brief, 2016, 8, 56-60.	1.0	24
32	In Vitro Transcription and Start Site Selection in Schizosaccharomyces pombe. Journal of Molecular Biology, 2002, 319, 1005-1013.	4.2	21
33	Crossâ€species complementation reveals conserved functions for EARLY FLOWERING 3 between monocots and dicots. Plant Direct, 2017, 1, e00018.	1.9	21
34	Time Will Tell: Intercellular Communication in the Plant Clock. Trends in Plant Science, 2021, 26, 706-719.	8.8	21
35	Out of the Dark and Into the Light: A New View of Phytochrome Photobodies. Frontiers in Plant Science, 2021, 12, 732947.	3.6	21
36	Mapping Proteinâ€“Protein Interactions Using Affinity Purification and Mass Spectrometry. Methods in Molecular Biology, 2017, 1610, 231-249.	0.9	20

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37	The evening complex is central to the difference between the circadian clocks of <scp>Arabidopsis thaliana</scp> shoots and roots. Physiologia Plantarum, 2020, 169, 442-451.	5.2	19
38	Recognition and modification of seX chromosomes. Current Opinion in Genetics and Development, 2005, 15, 206-213.	3.3	12
39	Quantitative Proteomics and Phosphoproteomics Support a Role for Mut9-Like Kinases in Multiple Metabolic and Signaling Pathways in Arabidopsis. Molecular and Cellular Proteomics, 2021, 20, 100063.	3.8	10
40	Comparative Phenotyping of Two Commonly Used Chlamydomonas reinhardtii Background Strains: CC-1690 (21gr) and CC-5325 (The CLiP Mutant Library Background). Plants, 2022, 11, 585.	3.5	9
41	Tandem Purification of His6-3x FLAG Tagged Proteins for Mass Spectrometry from Arabidopsis. Bio-protocol, 2016, 6, .	0.4	6
42	Using Tandem Affinity Purification to Identify Circadian Clock Protein Complexes from Arabidopsis. Methods in Molecular Biology, 2022, 2398, 189-203.	0.9	2
43	Mapping postâ€translational modifications of the histone variant macroH2A1 using tandem mass spectrometry. FASEB Journal, 2006, 20, A528.	0.5	0