Stacey L Harmer

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/867740/publications.pdf

Version: 2024-02-01

53 papers	9,567 citations	87888 38 h-index	168389 53 g-index
82 all docs	82 docs citations	82 times ranked	8409 citing authors

#	Article	IF	Citations
1	Orchestrated Transcription of Key Pathways in Arabidopsis by the Circadian Clock. Science, 2000, 290, 2110-2113.	12.6	1,539
2	The Arabidopsis Nucleosome Remodeler DDM1 Allows DNA Methyltransferases to Access H1-Containing Heterochromatin. Cell, 2013, 153, 193-205.	28.9	914
3	Global transcriptome analysis reveals circadian regulation of key pathways in plant growth and development. Genome Biology, 2008, 9, R130.	9.6	677
4	The Circadian System in Higher Plants. Annual Review of Plant Biology, 2009, 60, 357-377.	18.7	635
5	Rhythmic growth explained by coincidence between internal and external cues. Nature, 2007, 448, 358-361.	27.8	599
6	Overlapping and Distinct Roles of PRR7 and PRR9 in the Arabidopsis Circadian Clock. Current Biology, 2005, 15, 47-54.	3.9	408
7	Molecular Bases of Circadian Rhythms. Annual Review of Cell and Developmental Biology, 2001, 17, 215-253.	9.4	344
8	Wheels within wheels: the plant circadian system. Trends in Plant Science, 2014, 19, 240-249.	8.8	317
9	The Circadian Clock Regulates Auxin Signaling and Responses in Arabidopsis. PLoS Biology, 2007, 5, e222.	5.6	302
10	Critical Role for CCA1 and LHY in Maintaining Circadian Rhythmicity in Arabidopsis. Current Biology, 2002, 12, 757-761.	3.9	275
11	Guidelines for Genome-Scale Analysis of Biological Rhythms. Journal of Biological Rhythms, 2017, 32, 380-393.	2.6	237
12	REVEILLE1, a Myb-like transcription factor, integrates the circadian clock and auxin pathways. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16883-16888.	7.1	226
13	REVEILLE8 and PSEUDO-REPONSE REGULATOR5 Form a Negative Feedback Loop within the Arabidopsis Circadian Clock. PLoS Genetics, 2011, 7, e1001350.	3.5	215
14	Mechanical Stress Induces Biotic and Abiotic Stress Responses via a Novel cis-Element. PLoS Genetics, 2007, 3, e172.	3.5	205
15	Circadian regulation of sunflower heliotropism, floral orientation, and pollinator visits. Science, 2016, 353, 587-590.	12.6	187
16	Positive and Negative Factors Confer Phase-Specific Circadian Regulation of Transcription in Arabidopsis. Plant Cell, 2005, 17, 1926-1940.	6.6	184
17	Accurate timekeeping is controlled by a cycling activator in Arabidopsis. ELife, 2013, 2, e00473.	6.0	170
18	Jumonji domain protein JMJD5 functions in both the plant and human circadian systems. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21623-21628.	7.1	158

#	Article	IF	Citations
19	GIGANTEA Acts in Blue Light Signaling and Has Biochemically Separable Roles in Circadian Clock and Flowering Time Regulation. Plant Physiology, 2007, 143, 473-486.	4.8	156
20	Network Quantitative Trait Loci Mapping of Circadian Clock Outputs Identifies Metabolic Pathway-to-Clock Linkages in Arabidopsis Â Â. Plant Cell, 2011, 23, 471-485.	6.6	139
21	Genomic Analysis of Circadian Clock-, Light-, and Growth-Correlated Genes Reveals PHYTOCHROME-INTERACTING FACTOR5 as a Modulator of Auxin Signaling in Arabidopsis Â Â Â. Plant Physiology, 2011, 156, 357-372.	4.8	136
22	Circadian Rhythms in Plants. Cold Spring Harbor Perspectives in Biology, 2019, 11, a034611.	5.5	119
23	Mutation of Arabidopsis SPLICEOSOMAL TIMEKEEPER LOCUS1 Causes Circadian Clock Defects. Plant Cell, 2012, 24, 4066-4082.	6.6	112
24	Unanticipated regulatory roles for Arabidopsis phytochromes revealed by null mutant analysis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1542-1547.	7.1	107
25	Multiple feedback loops of the Arabidopsis circadian clock provide rhythmic robustness across environmental conditions. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7147-7152.	7.1	89
26	Shc Contains Two Grb2 Binding Sites Needed for Efficient Formation of Complexes with SOS in B Lymphocytes. Molecular and Cellular Biology, 1997, 17, 4087-4095.	2.3	82
27	The Development of Protein Microarrays and Their Applications in DNAâ€“Protein and Proteinâ€“Protein Interaction Analyses of Arabidopsis Transcription Factors. Molecular Plant, 2008, 1, 27-41.	8.3	78
28	Activation-induced Association of a 145-kDa Tyrosine-phosphorylated Protein with Shc and Syk in B Lymphocytes and Macrophages. Journal of Biological Chemistry, 1996, 271, 1145-1152.	3.4	76
29	Turning heads: The biology of solar tracking in sunflower. Plant Science, 2014, 224, 20-26.	3.6	74
30	The REVEILLE Clock Genes Inhibit Growth of Juvenile and Adult Plants by Control of Cell Size. Plant Physiology, 2017, 173, 2308-2322.	4.8	72
31	Circadian regulation of hormone signaling and plant physiology. Plant Molecular Biology, 2016, 91, 691-702.	3.9	70
32	YUCCAauxin biosynthetic genes are required for Arabidopsis shade avoidance. PeerJ, 2016, 4, e2574.	2.0	68
33	GIGANTEA Regulates Phytochrome A-Mediated Photomorphogenesis Independently of Its Role in the Circadian Clock. Plant Physiology, 2007, 144, 495-502.	4.8	65
34	Circadian Phase Has Profound Effects on Differential Expression Analysis. PLoS ONE, 2012, 7, e49853.	2.5	51
35	XAP5 CIRCADIAN TIMEKEEPERCoordinates Light Signals for Proper Timing of Photomorphogenesis and the Circadian Clock inArabidopsisÂ. Plant Cell, 2008, 20, 1244-1259.	6.6	50
36	The Src Homology Domain 2-Containing Inositol Phosphatase SHIP Forms a Ternary Complex with Shc and Grb2 in Antigen Receptor-stimulated B Lymphocytes. Journal of Biological Chemistry, 1999, 274, 12183-12191.	3.4	49

#	Article	IF	Citations
37	Reassess the t Test: Interact with All Your Data via ANOVA. Plant Cell, 2015, 27, 2088-2094.	6.6	48
38	Growth-mediated plant movements: hidden in plain sight. Current Opinion in Plant Biology, 2018, 41, 89-94.	7.1	45
39	Circadian rhythms vary over the growing season and correlate with fitness components. Molecular Ecology, 2017, 26, 5528-5540.	3.9	35
40	JMJD5 Functions in concert with TOC1 in the arabidopsis circadian system. Plant Signaling and Behavior, 2011, 6, 445-448.	2.4	30
41	Microarrays: Determining the Balance of Cellular Transcription. Plant Cell, 2000, 12, 613-615.	6.6	28
42	XAP5 CIRCADIAN TIMEKEEPER Regulates Ethylene Responses in Aerial Tissues of Arabidopsis Â Â. Plant Physiology, 2011, 155, 988-999.	4.8	27
43	A Constitutively Active Allele of Phytochrome B Maintains Circadian Robustness in the Absence of Light Â. Plant Physiology, 2015, 169, 814-825.	4.8	26
44	Ï‰-Conotoxin GVIA and nifedipine inhibit the depolarizing action of the fungal metabolite, destruxin B on muscle from the tobacco budworm (Heliothis virescens). Toxicon, 1990, 28, 1249-1254.	1.6	23
45	Flower orientation influences floral temperature, pollinator visits and plant fitness. New Phytologist, 2021, 232, 868-879.	7.3	22
46	Arabidopsis JMJD5/JMJ30 Acts Independently of LUX ARRHYTHMO Within the Plant Circadian Clock to Enable Temperature Compensation. Frontiers in Plant Science, 2019, 10, 57.	3.6	19
47	Plant Biology in the Fourth Dimension. Plant Physiology, 2010, 154, 467-470.	4.8	18
48	Global Profiling of the Circadian Transcriptome Using Microarrays. Methods in Molecular Biology, 2014, 1158, 45-56.	0.9	15
49	Yeast Xâ€chromosomeâ€associated protein 5 (Xap5) functions with H2A.Z to suppress aberrant transcripts. EMBO Reports, 2014, 15, 894-902.	4.5	13
50	A TILLING by sequencing approach to identify induced mutations in sunflower genes. Scientific Reports, 2021, 11, 9885.	3.3	12
51	An Aspartate/Insulin Receptor Chimera Mitogenically Activates Fibroblasts. Journal of Biological Chemistry, 1996, 271, 27927-27930.	3.4	9
52	XAP5 CIRCADIAN TIMEKEEPER Affects Both DNA Damage Responses and Immune Signaling in Arabidopsis. Frontiers in Plant Science, 2021, 12, 707923.	3.6	4
53	Microarrays: Determining the Balance of Cellular Transcription. Plant Cell, 2000, 12, 613.	6.6	1