

Tissue-specific clocks in Arabidopsis show asymmetric

Nature

515, 419-422

DOI: [10.1038/nature13919](https://doi.org/10.1038/nature13919)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Leaf veins share the time of day. <i>Nature</i> , 2014, 515, 352-353.	13.7	3
2	Decentralized circadian clocks process thermal and photoperiodic cues in specific tissues. <i>Nature Plants</i> , 2015, 1, 15163.	4.7	61
3	Circadian clocks: Who knows where the time goes. <i>Nature Plants</i> , 2015, 1, 15172.	4.7	3
4	Entrainment of Cellular Circadian Rhythms in <i>Lactuca sativa</i> L. Leaf by Spatially Controlled Illuminations. <i>Journal of Biosensors & Bioelectronics</i> , 2015, 06, .	0.4	4
5	Developmental mechanism underpinning leaf shape evolution. <i>Plant Morphology</i> , 2015, 27, 43-50.	0.1	0
6	Nutrient homeostasis within the plant circadian network. <i>Frontiers in Plant Science</i> , 2015, 6, 299.	1.7	59
7	Proteasome targeting of proteins in <i>Arabidopsis</i> leaf mesophyll, epidermal and vascular tissues. <i>Frontiers in Plant Science</i> , 2015, 6, 376.	1.7	46
8	Planting molecular functions in an ecological context with <i>Arabidopsis thaliana</i> . <i>ELife</i> , 2015, 4, .	2.8	50
9	Circadian rhythms synchronise intracellular calcium dynamics and ATP production for facilitating <i>Arabidopsis</i> pollen tube growth. <i>Plant Signaling and Behavior</i> , 2015, 10, e1017699.	1.2	3
10	Interactions between circadian clocks and photosynthesis for the temporal and spatial coordination of metabolism. <i>Frontiers in Plant Science</i> , 2015, 6, 245.	1.7	87
11	A comparison of high-throughput techniques for assaying circadian rhythms in plants. <i>Plant Methods</i> , 2015, 11, 32.	1.9	14
12	Evolutionary Relationships Among Barley and <i>Arabidopsis</i> Core Circadian Clock and Clock-Associated Genes. <i>Journal of Molecular Evolution</i> , 2015, 80, 108-119.	0.8	59
13	The Cell-Intrinsic Circadian Clock Is Dispensable for Lymphocyte Differentiation and Function. <i>Cell Reports</i> , 2015, 11, 1339-1349.	2.9	77
14	The circadian clock rephases during lateral root organ initiation in <i>Arabidopsis thaliana</i> . <i>Nature Communications</i> , 2015, 6, 7641.	5.8	119
15	Circadian clock gene <i>LATE ELONGATED HYPOCOTYL</i> directly regulates the timing of floral scent emission in <i>Petunia</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9775-9780.	3.3	93
16	A Hierarchical Multi-oscillator Network Orchestrates the <i>Arabidopsis</i> Circadian System. <i>Cell</i> , 2015, 163, 148-159.	13.5	147
17	Genome-wide identification of CCA1 targets uncovers an expanded clock network in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4802-10.	3.3	230
18	Photoperiodism: The Calendar of Plants. , 2015, , 191-229.		2

#	ARTICLE	IF	CITATIONS
19	Photoperiod sensitivity of the <i>Arabidopsis</i> circadian clock is tissue-specific. <i>Plant Signaling and Behavior</i> , 2015, 10, e1010933.	1.2	14
20	Integrating circadian dynamics with physiological processes in plants. <i>Nature Reviews Genetics</i> , 2015, 16, 598-610.	7.7	402
21	Kernel Architecture of the Genetic Circuitry of the <i>Arabidopsis</i> Circadian System. <i>PLoS Computational Biology</i> , 2016, 12, e1004748.	1.5	30
22	Meselect "A Rapid and Effective Method for the Separation of the Main Leaf Tissue Types. <i>Frontiers in Plant Science</i> , 2016, 7, 1701.	1.7	16
23	The sun doesn't shine equally on everyone. <i>New Phytologist</i> , 2016, 211, 377-378.	3.5	1
24	Organ specificity in the plant circadian system is explained by different light inputs to the shoot and root clocks. <i>New Phytologist</i> , 2016, 212, 136-149.	3.5	91
25	Rapid and simple isolation of vascular, epidermal and mesophyll cells from plant leaf tissue. <i>Nature Protocols</i> , 2016, 11, 1388-1395.	5.5	22
26	Molecular mechanisms at the core of the plant circadian oscillator. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 1061-1069.	3.6	226
27	Silencing <i>Nicotiana attenuata</i> <i>LHY</i> and <i>ZTL</i> alters circadian rhythms in flowers. <i>New Phytologist</i> , 2016, 209, 1058-1066.	3.5	71
28	Daily magnesium fluxes regulate cellular timekeeping and energy balance. <i>Nature</i> , 2016, 532, 375-379.	13.7	209
29	Circadian regulation of hormone signaling and plant physiology. <i>Plant Molecular Biology</i> , 2016, 91, 691-702.	2.0	70
30	Into the Evening: Complex Interactions in the <i>Arabidopsis</i> Circadian Clock. <i>Trends in Genetics</i> , 2016, 32, 674-686.	2.9	140
31	Regulation of Stomatal Defense by Air Relative Humidity. <i>Plant Physiology</i> , 2016, 172, 2021-2032.	2.3	41
32	The Plant Circadian Clock: From a Simple Timekeeper to a Complex Developmental Manager. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a027748.	2.3	154
33	Diurnal changes in the histone H3 signature H3K9ac H3K27ac H3S28p are associated with diurnal gene expression in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2016, 39, 2557-2569.	2.8	31
35	Blue Light- and Low Temperature-Regulated COR27 and COR28 Play Roles in the <i>Arabidopsis</i> Circadian Clock. <i>Plant Cell</i> , 2016, 28, 2755-2769.	3.1	56
36	Heterogeneity of cellular circadian clocks in intact plants and its correction under light-dark cycles. <i>Science Advances</i> , 2016, 2, e1600500.	4.7	69
37	Do Plants Have a Central Tissue Correspond to the Brain in Animals as a Hub of Circadian Clock Network?. <i>Seibutsu Butsuri</i> , 2016, 56, 033-035.	0.0	0

#	ARTICLE	IF	CITATIONS
39	A G-Box-Like Motif Is Necessary for Transcriptional Regulation by Circadian Pseudo-Response Regulators in Arabidopsis. <i>Plant Physiology</i> , 2016, 170, 528-539.	2.3	115
40	The Intracellular Dynamics of Circadian Clocks Reach for the Light of Ecology and Evolution. <i>Annual Review of Plant Biology</i> , 2016, 67, 595-618.	8.6	132
41	Improvement of Arabidopsis Biomass and Cold, Drought and Salinity Stress Tolerance by Modified Circadian Clock-Associated PSEUDO-RESPONSE REGULATORS. <i>Plant and Cell Physiology</i> , 2016, 57, 1085-1097.	1.5	60
42	Age-associated circadian period changes in Arabidopsis leaves. <i>Journal of Experimental Botany</i> , 2016, 67, 2665-2673.	2.4	57
43	Importance of epidermal clocks for regulation of hypocotyl elongation through PIF4 and IAA29. <i>Plant Signaling and Behavior</i> , 2016, 11, e1143999.	1.2	10
44	Direct Repression of Evening Genes by CIRCADIAN CLOCK-ASSOCIATED1 in the Arabidopsis Circadian Clock. <i>Plant Cell</i> , 2016, 28, 696-711.	3.1	227
45	Tissue-specific circadian clocks in plants. <i>Current Opinion in Plant Biology</i> , 2016, 29, 44-49.	3.5	55
46	Tissue-specific regulation of flowering by photoreceptors. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 829-839.	2.4	18
47	Transcriptional and post-transcriptional control of the plant circadian gene regulatory network. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2017, 1860, 84-94.	0.9	41
48	Parallel analysis of <i>Arabidopsis</i> circadian clock mutants reveals different scales of transcriptome and proteome regulation. <i>Open Biology</i> , 2017, 7, 160333.	1.5	52
49	<i>EARLY FLOWERING3</i> Redundancy Fine-Tunes Photoperiod Sensitivity. <i>Plant Physiology</i> , 2017, 173, 2253-2264.	2.3	26
50	The transcriptional repressor complex FRS7-FRS12 regulates flowering time and growth in Arabidopsis. <i>Nature Communications</i> , 2017, 8, 15235.	5.8	54
51	Ex vitro hairy root induction in detached peanut leaves for plant-nematode interaction studies. <i>Plant Methods</i> , 2017, 13, 25.	1.9	26
52	Synchrony of plant cellular circadian clocks with heterogeneous properties under light/dark cycles. <i>Scientific Reports</i> , 2017, 7, 317.	1.6	25
53	<i>CIRCADIAN CLOCK ASSOCIATED1</i> (<i>CCA1</i>) and the Circadian Control of Stomatal Aperture. <i>Plant Physiology</i> , 2017, 175, 1864-1877.	2.3	51
54	Multicellularity enriches the entrainment of <i>Arabidopsis</i> circadian clock. <i>Science Advances</i> , 2017, 3, e1700808.	4.7	18
55	Time is honey: circadian clocks of bees and flowers and how their interactions may influence ecological communities. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160256.	1.8	66
56	Diurnal Cycling Transcription Factors of Pineapple Revealed by Genome-Wide Annotation and Global Transcriptomic Analysis. <i>Genome Biology and Evolution</i> , 2017, 9, 2170-2190.	1.1	43

#	ARTICLE	IF	CITATIONS
57	The Use of Grafting to Study Systemic Signaling in Plants. <i>Plant and Cell Physiology</i> , 2017, 58, 1291-1301.	1.5	81
58	The plant leaf movement analyzer (PALMA): a simple tool for the analysis of periodic cotyledon and leaf movement in <i>Arabidopsis thaliana</i> . <i>Plant Methods</i> , 2017, 13, 2.	1.9	9
59	Real-time monitoring of PtaHMGB activity in poplar transactivation assays. <i>Plant Methods</i> , 2017, 13, 50.	1.9	9
60	Circadian Clock and Photoperiodic Flowering in <i>Arabidopsis</i> : CONSTANS Is a Hub for Signal Integration. <i>Plant Physiology</i> , 2017, 173, 5-15.	2.3	253
61	Metabolic Adaptation, a Specialized Leaf Organ Structure and Vascular Responses to Diurnal N ₂ Fixation by <i>Nostoc azollae</i> Sustain the Astonishing Productivity of <i>Azolla</i> Ferns without Nitrogen Fertilizer. <i>Frontiers in Plant Science</i> , 2017, 8, 442.	1.7	43
62	Circadian and Light Regulated Expression of CBFs and their Upstream Signalling Genes in Barley. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1828.	1.8	27
63	Adaptation of iCLIP to plants determines the binding landscape of the clock-regulated RNA-binding protein AtGRP7. <i>Genome Biology</i> , 2017, 18, 204.	3.8	87
64	<scp>OST</scp> 1â€mediated <scp>BTF</scp> 3L phosphorylation positively regulates <scp>CBF</scp> s during plant cold responses. <i>EMBO Journal</i> , 2018, 37, .	3.5	134
65	Changes in chromatin accessibility between <i>Arabidopsis</i> stem cells and mesophyll cells illuminate cell typeâ€specific transcription factor networks. <i>Plant Journal</i> , 2018, 94, 215-231.	2.8	110
66	Targeted Recruitment of the Basal Transcriptional Machinery by LNK Clock Components Controls the Circadian Rhythms of Nascent RNAs in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2018, 30, 907-924.	3.1	48
67	Plant Ribonomics: Proteins in Search of RNA Partners. <i>Trends in Plant Science</i> , 2018, 23, 352-365.	4.3	24
68	Entrainment of <scp>A</scp>rabidopsis roots to the light:dark cycle by light piping. <i>Plant, Cell and Environment</i> , 2018, 41, 1742-1748.	2.8	39
69	Diel pattern of circadian clock and storage protein gene expression in leaves and during seed filling in cowpea (<i>Vigna unguiculata</i>). <i>BMC Plant Biology</i> , 2018, 18, 33.	1.6	14
70	The Circadian Clock Sets the Time of DNA Replication Licensing to Regulate Growth in <i>Arabidopsis</i> . <i>Developmental Cell</i> , 2018, 45, 101-113.e4.	3.1	71
71	Root Development. <i>Methods in Molecular Biology</i> , 2018, , .	0.4	3
72	Long-Term In Vivo Imaging of Luciferase-Based Reporter Gene Expression in <i>Arabidopsis</i> Roots. <i>Methods in Molecular Biology</i> , 2018, 1761, 177-190.	0.4	15
73	Oscillator networks with tissue-specific circadian clocks in plants. <i>Seminars in Cell and Developmental Biology</i> , 2018, 83, 78-85.	2.3	20
74	Circadian clock during plant development. <i>Journal of Plant Research</i> , 2018, 131, 59-66.	1.2	54

#	ARTICLE	IF	CITATIONS
75	Functional Mapping of Plant Growth in <i>Arabidopsis thaliana</i> . , 2018, , .		0
78	Transcription Factors in the Pineapple Genome. <i>Plant Genetics and Genomics: Crops and Models</i> , 2018, , 183-194.	0.3	0
79	Detection and Utilization of Biological Rhythms in Plant Factories. , 2018, , 367-384.		1
80	Long-term monitoring of bioluminescence circadian rhythms of cells in a transgenic <i>Arabidopsis</i> mesophyll protoplast culture. <i>Plant Biotechnology</i> , 2018, 35, 291-295.	0.5	7
81	Scientific Technologies Based on the Circadian Clock in Plant Factories. <i>Shokubutsu Kankyo Kogaku</i> , 2018, 30, 20-27.	0.1	0
82	A fibre-optic pipeline lets the root circadian clock see the light. <i>Plant, Cell and Environment</i> , 2018, 41, 1739-1741.	2.8	3
83	Dependence and independence of the root clock on the shoot clock in <i>Arabidopsis</i> . <i>Genes and Genomics</i> , 2018, 40, 1063-1068.	0.5	13
84	Coordination of robust single cell rhythms in the <i>Arabidopsis</i> circadian clock via spatial waves of gene expression. <i>ELife</i> , 2018, 7, .	2.8	90
85	Isolation of <i>Arabidopsis</i> Palisade and Spongy Mesophyll Cells. <i>Methods in Molecular Biology</i> , 2018, 1830, 141-148.	0.4	7
86	Transcript Profiling Identifies NAC-Domain Genes Involved in Regulating Wall Ingrowth Deposition in Phloem Parenchyma Transfer Cells of <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 341.	1.7	7
87	Ion Channels Regulate Nyctinastic Leaf Opening in <i>Samanea saman</i> . <i>Current Biology</i> , 2018, 28, 2230-2238.e7.	1.8	23
88	BIG Regulates Dynamic Adjustment of Circadian Period in <i>Arabidopsis thaliana</i> . <i>Plant Physiology</i> , 2018, 178, 358-371.	2.3	27
89	Auxin Contributes to the Intraorgan Regulation of Gene Expression in Response to Shade. <i>Plant Physiology</i> , 2018, 177, 847-862.	2.3	12
90	Specialized Plastids Trigger Tissue-Specific Signaling for Systemic Stress Response in Plants. <i>Plant Physiology</i> , 2018, 178, 672-683.	2.3	55
91	Coordinated circadian timing through the integration of local inputs in <i>Arabidopsis thaliana</i> . <i>PLoS Biology</i> , 2019, 17, e3000407.	2.6	38
92	Circadian Network Interactions with Jasmonate Signaling and Defense. <i>Plants</i> , 2019, 8, 252.	1.6	14
94	Phloem Companion Cell-Specific Transcriptomic and Epigenomic Analyses Identify MRF1, a Regulator of Flowering. <i>Plant Cell</i> , 2019, 31, 325-345.	3.1	30
95	The Clock Gene TOC1 in Shoots, Not Roots, Determines Fitness of <i>Nicotiana attenuata</i> under Drought. <i>Plant Physiology</i> , 2019, 181, 305-318.	2.3	15

#	ARTICLE	IF	CITATIONS
96	A high-throughput delayed fluorescence method reveals underlying differences in the control of circadian rhythms in <i>Triticum aestivum</i> and <i>Brassica napus</i> . <i>Plant Methods</i> , 2019, 15, 51.	1.9	17
97	Identification and characterization of pineapple leaf lncRNAs in crassulacean acid metabolism (CAM) photosynthesis pathway. <i>Scientific Reports</i> , 2019, 9, 6658.	1.6	17
98	Interactive roles of chromatin regulation and circadian clock function in plants. <i>Genome Biology</i> , 2019, 20, 62.	3.8	26
99	PRR5, 7 and 9 positively modulate TOR signaling-mediated root cell proliferation by repressing TANDEM ZINC FINGER 1 in <i>Arabidopsis</i> . <i>Nucleic Acids Research</i> , 2019, 47, 5001-5015.	6.5	38
100	Overexpression of Wild <i>Arachis</i> Lipocalin Enhances Root-Knot Nematode Resistance in Peanut Hairy Roots. <i>Plant Molecular Biology Reporter</i> , 2019, 37, 74-86.	1.0	6
101	The Phloem as a Mediator of Plant Growth Plasticity. <i>Current Biology</i> , 2019, 29, R173-R181.	1.8	32
102	The Plant Circadian Oscillator. <i>Biology</i> , 2019, 8, 14.	1.3	128
103	croFGD: <i>Catharanthus roseus</i> Functional Genomics Database. <i>Frontiers in Genetics</i> , 2019, 10, 238.	1.1	41
104	Diurnal changes in concerted plant protein phosphorylation and acetylation in <i>Arabidopsis</i> organs and seedlings. <i>Plant Journal</i> , 2019, 99, 176-194.	2.8	59
105	Organellar carbon metabolism is coordinated with distinct developmental phases of secondary xylem. <i>New Phytologist</i> , 2019, 222, 1832-1845.	3.5	11
106	Plant nyctinasty â€“ who will decode the â€“Rosetta Stoneâ€™?. <i>New Phytologist</i> , 2019, 223, 107-112.	3.5	15
107	Tissue-specific BMAL1 cisomes reveal that rhythmic transcription is associated with rhythmic enhancerâ€“enhancer interactions. <i>Genes and Development</i> , 2019, 33, 294-309.	2.7	103
108	Evolutionary Insight into the Clock-Associated PRR5 Transcriptional Network of Flowering Plants. <i>Scientific Reports</i> , 2019, 9, 2983.	1.6	13
109	Alternative Splicing of Circadian Clock Genes Correlates With Temperature in Field-Grown Sugarcane. <i>Frontiers in Plant Science</i> , 2019, 10, 1614.	1.7	20
110	Annual transcriptome dynamics in natural environments reveals plant seasonal adaptation. <i>Nature Plants</i> , 2019, 5, 74-83.	4.7	109
111	On the move through time â€“ a historical review of plant clock research. <i>Plant Biology</i> , 2019, 21, 13-20.	1.8	13
112	CLIP and RNA interactome studies to unravel genome-wide RNA-protein interactions in vivo in <i>Arabidopsis thaliana</i> . <i>Methods</i> , 2020, 178, 63-71.	1.9	14
113	Combining GAL4 GFP enhancer trap with split luciferase to measure spatiotemporal promoter activity in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2020, 102, 187-198.	2.8	10

#	ARTICLE	IF	CITATIONS
114	<i>SUPPRESSOR OF MAX2</i> LIKE 5 promotes secondary phloem formation during radial stem growth. <i>Plant Journal</i> , 2020, 102, 903-915.	2.8	19
115	Time-Series Single-Cell RNA-Seq Data Reveal Auxin Fluctuation during Endocycle. <i>Plant and Cell Physiology</i> , 2020, 61, 243-254.	1.5	10
116	Light and temperature entrainable circadian clock in soybean development. <i>Plant, Cell and Environment</i> , 2020, 43, 637-648.	2.8	52
117	Attenuated TOR signaling lengthens circadian period in <i>Arabidopsis</i> . <i>Plant Signaling and Behavior</i> , 2020, 15, 1710935.	1.2	14
118	The circadian clock coordinates plant development through specificity at the tissue and cellular level. <i>Current Opinion in Plant Biology</i> , 2020, 53, 65-72.	3.5	21
119	Chromatin Dynamics and Transcriptional Control of Circadian Rhythms in <i>Arabidopsis</i> . <i>Genes</i> , 2020, 11, 1170.	1.0	9
120	The nodulation and nyctinastic leaf movement is orchestrated by clock gene LHY in <i>Medicago truncatula</i> . <i>Journal of Integrative Plant Biology</i> , 2020, 62, 1880-1895.	4.1	26
121	The Rice Circadian Clock Regulates Tiller Growth and Panicle Development Through Strigolactone Signaling and Sugar Sensing. <i>Plant Cell</i> , 2020, 32, 3124-3138.	3.1	112
122	The Transcriptional Network in the <i>Arabidopsis</i> Circadian Clock System. <i>Genes</i> , 2020, 11, 1284.	1.0	42
123	Coexpression Analysis Reveals Dynamic Modules Regulating the Growth and Development of Cirri in the Rattans (<i>Calamus simplicifolius</i> and <i>Daemonorops jenkinsiana</i>). <i>Frontiers in Genetics</i> , 2020, 11, 378.	1.1	4
124	The Circadian Clock Influences the Long-Term Water Use Efficiency of <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2020, 183, 317-330.	2.3	36
125	<i>TOC1</i> in <i>Nicotiana attenuata</i> regulates efficient allocation of nitrogen to defense metabolites under herbivory stress. <i>New Phytologist</i> , 2020, 228, 1227-1242.	3.5	9
126	The epidermis coordinates thermoresponsive growth through the phyB-PIF4-auxin pathway. <i>Nature Communications</i> , 2020, 11, 1053.	5.8	72
127	Molecular investigation of organ-autonomous expression of <i>Arabidopsis</i> circadian oscillators. <i>Plant, Cell and Environment</i> , 2020, 43, 1501-1512.	2.8	15
128	A mobile ELF4 delivers circadian temperature information from shoots to roots. <i>Nature Plants</i> , 2020, 6, 416-426.	4.7	73
129	Rhythms of Transcription in Field-Grown Sugarcane Are Highly Organ Specific. <i>Scientific Reports</i> , 2020, 10, 6565.	1.6	16
130	<i>PRR9</i> and <i>PRR7</i> negatively regulate the expression of EC components under warm temperature in roots. <i>Plant Signaling and Behavior</i> , 2021, 16, 1855384.	1.2	8
131	Molecular and functional dissection of EARLY-FLOWERING 3 (ELF3) and ELF4 in <i>Arabidopsis</i> . <i>Plant Science</i> , 2021, 303, 110786.	1.7	22

#	ARTICLE	IF	CITATIONS
132	<scp>GmLCLs</scp> negatively regulate <scp>ABA</scp> perception and signalling genes in soybean leaf dehydration response. <i>Plant, Cell and Environment</i> , 2021, 44, 412-424.	2.8	22
133	Distinct identities of leaf phloem cells revealed by single cell transcriptomics. <i>Plant Cell</i> , 2021, 33, 511-530.	3.1	162
134	An auxin-regulable oscillatory circuit drives the root clock in <i>Arabidopsis</i>. <i>Science Advances</i> , 2021, 7, .	4.7	46
135	Post-Translational Mechanisms of Plant Circadian Regulation. <i>Genes</i> , 2021, 12, 325.	1.0	22
137	The singularity response reveals entrainment properties of the plant circadian clock. <i>Nature Communications</i> , 2021, 12, 864.	5.8	13
138	Spatial Organization and Coordination of the Plant Circadian System. <i>Genes</i> , 2021, 12, 442.	1.0	12
139	The Phosphofruktokinase Isoform AtPFK5 Is a Novel Target of Plastidic Thioredoxin-f-Dependent Redox Regulation. <i>Antioxidants</i> , 2021, 10, 401.	2.2	2
140	Detection of Uncoupled Circadian Rhythms in Individual Cells of <i>Lemna minor</i> using a Dual-Color Bioluminescence Monitoring System. <i>Plant and Cell Physiology</i> , 2021, 62, 815-826.	1.5	11
141	Circadian Clock in <i>Arabidopsis thaliana</i> Determines Flower Opening Time Early in the Morning and Dominantly Closes Early in the Afternoon. <i>Plant and Cell Physiology</i> , 2021, 62, 883-893.	1.5	10
142	Chronoculture, harnessing the circadian clock to improve crop yield and sustainability. <i>Science</i> , 2021, 372, .	6.0	74
143	Layers of crosstalk between circadian regulation and environmental signalling in plants. <i>Current Biology</i> , 2021, 31, R399-R413.	1.8	19
144	A live imaging system to analyze spatiotemporal dynamics of RNA polymerase II modification in <i>Arabidopsis thaliana</i> . <i>Communications Biology</i> , 2021, 4, 580.	2.0	5
146	Unstable Phase Response Curves Shown by Spatiotemporal Patterns in the Plant Root Circadian Clock. <i>Journal of Biological Rhythms</i> , 2021, 36, 432-441.	1.4	0
147	Reactive oxygen species homeostasis and circadian rhythms in plants. <i>Journal of Experimental Botany</i> , 2021, 72, 5825-5840.	2.4	18
148	The Cell Division Cycle of <i>Euglena gracilis</i> Indicates That the Level of Circadian Plasticity to the External Light Regime Changes in Prolonged-Stationary Cultures. <i>Plants</i> , 2021, 10, 1475.	1.6	1
149	Time Will Tell: Intercellular Communication in the Plant Clock. <i>Trends in Plant Science</i> , 2021, 26, 706-719.	4.3	21
150	Circadian rhythms driving a fast-paced root clock implicate species-specific regulation in <i>Medicago truncatula</i> . <i>Journal of Integrative Plant Biology</i> , 2021, 63, 1537-1554.	4.1	9
151	Cut the noise or couple up: Coordinating circadian and synthetic clocks. <i>Science</i> , 2021, 24, 103051.	1.9	7

#	ARTICLE	IF	CITATIONS
152	Stochastic simulation of a model for circadian rhythms in plants. <i>Journal of Theoretical Biology</i> , 2021, 527, 110790.	0.8	2
153	Photoperiod-responsive changes in chromatin accessibility in phloem companion and epidermis cells of <i>Arabidopsis</i> leaves. <i>Plant Cell</i> , 2021, 33, 475-491.	3.1	23
154	Circadian Rhythms in Stomata: Physiological and Molecular Aspects. , 2015, , 231-255.		14
155	Monitoring circadian rhythms of individual cells in plants. <i>Journal of Plant Research</i> , 2018, 131, 15-21.	1.2	12
163	High-Resolution Profiling of a Synchronized Diurnal Transcriptome from <i>Chlamydomonas reinhardtii</i> Reveals Continuous Cell and Metabolic Differentiation. <i>Plant Cell</i> , 2015, 27, 2743-69.	3.1	195
164	Mathematical Model of the Firefly Luciferase Complementation Assay Reveals a Non-Linear Relationship between the Detected Luminescence and the Affinity of the Protein Pair Being Analyzed. <i>PLoS ONE</i> , 2016, 11, e0148256.	1.1	5
165	Spatiotemporal Analysis of Localized Circadian Arrhythmias in Plant Roots. <i>Environmental Control in Biology</i> , 2018, 56, 93-97.	0.3	3
166	Decoys provide a scalable platform for the identification of plant E3 ubiquitin ligases that regulate circadian function. <i>ELife</i> , 2019, 8, .	2.8	25
168	High Spatial Resolution Luciferase Imaging of the <i>Arabidopsis thaliana</i> Circadian Clock. <i>Methods in Molecular Biology</i> , 2022, 2398, 47-55.	0.4	2
169	<i>Agrobacterium</i> -Mediated Seedling Transformation to Measure Circadian Rhythms in <i>Arabidopsis</i> . <i>Methods in Molecular Biology</i> , 2022, 2398, 57-64.	0.4	2
171	Universality in kinetic models of circadian rhythms in <i>Arabidopsis thaliana</i> . <i>Journal of Mathematical Biology</i> , 2021, 83, 51.	0.8	1
172	Measurement of Luciferase Rhythms in Soybean Hairy Roots. <i>Methods in Molecular Biology</i> , 2022, 2398, 65-73.	0.4	1
176	Distinct Plastids Trigger Local Signaling for Systemic Stress Response in Plants. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
179	Utilization Techniques of Circadian Clock. <i>Shokubutsu Kankyo Kogaku</i> , 2019, 31, 189-197.	0.1	1
189	The biology of time: dynamic responses of cell types to developmental, circadian, and environmental cues. <i>Plant Journal</i> , 2021, , .	2.8	8
190	Systems scale characterization of circadian rhythm pathway in <i>Camellia sinensis</i> . <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 598-607.	1.9	5
191	An endogenous basis for synchronisation characteristics of the circadian rhythm in proliferating <i>Lemna minor</i> plants. <i>New Phytologist</i> , 2022, 233, 2203-2215.	3.5	7
192	Abscisic Acid Machinery Is under Circadian Clock Regulation at Multiple Levels. <i>Stresses</i> , 2022, 2, 65-78.	1.8	5

#	ARTICLE	IF	CITATIONS
193	Adaptive Diversification in the Cellular Circadian Behavior of <i>Arabidopsis</i> Leaf- and Root-Derived Cells. <i>Plant and Cell Physiology</i> , 2022, 63, 421-432.	1.5	3
194	Circadian clock in plants: Linking timing to fitness. <i>Journal of Integrative Plant Biology</i> , 2022, 64, 792-811.	4.1	26
195	Conservation of dynamic characteristics of transcriptional regulatory elements in periodic biological processes. <i>BMC Bioinformatics</i> , 2022, 23, 94.	1.2	3
196	Interspecific divergence of circadian properties in duckweed plants. <i>Plant, Cell and Environment</i> , 2022, 45, 1942-1953.	2.8	4
197	A spatial model of the plant circadian clock reveals design principles for coordinated timing. <i>Molecular Systems Biology</i> , 2022, 18, e10140.	3.2	10
198	The circadian clock ticks in plant stress responses. <i>Stress Biology</i> , 2022, 2, 1.	1.5	20
199	Sulfanilamide Regulates Flowering Time through Expression of the Circadian Clock Gene <i>LUX</i> . <i>Plant and Cell Physiology</i> , 2022, , .	1.5	3
200	Real-Time Monitoring of Key Gene Products Involved in Rice Photoperiodic Flowering. <i>Frontiers in Plant Science</i> , 2021, 12, 766450.	1.7	2
223	Noise reduction by upstream open reading frames. <i>Nature Plants</i> , 2022, 8, 474-480.	4.7	19
225	Heterologous expression of flowering locus T promotes flowering but does not affect diurnal movement in the legume <i>Lotus japonicus</i> . <i>Plant Biotechnology</i> , 2022, , .	0.5	0
227	The nature of the root clock at single cell resolution: Principles of communication and similarities with plant and animal pulsatile and circadian mechanisms. <i>Current Opinion in Cell Biology</i> , 2022, 77, 102102.	2.6	5
228	Spatially specific mechanisms and functions of the plant circadian clock. <i>Plant Physiology</i> , 2022, 190, 938-951.	2.3	8
231	PIF-independent regulation of growth by an evening complex in the liverwort <i>Marchantia polymorpha</i> . <i>PLoS ONE</i> , 2022, 17, e0269984.	1.1	1
233	A guiding role of the <i>Arabidopsis</i> circadian clock in cell differentiation revealed by time-series single-cell RNA sequencing. <i>Cell Reports</i> , 2022, 40, 111059.	2.9	9
234	Leaf layer-based transcriptome profiling for discovery of epidermal-selective promoters in <i>Medicago truncatula</i> . <i>Planta</i> , 2022, 256, .	1.6	1
235	Keeping time in the dark: Potato diel and circadian rhythmic gene expression reveals tissue-specific circadian clocks. <i>Plant Direct</i> , 2022, 6, .	0.8	6
236	Clock-Controlled and Cold-Induced CYCLING DOF FACTOR6 Alters Growth and Development in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	3
237	Epidermal CCA1 and PMR5 contribute to nonhost resistance in <i>Arabidopsis</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2022, 86, 1623-1630.	0.6	1

#	ARTICLE	IF	CITATIONS
238	Circadian autonomy and rhythmic precision of the Arabidopsis female reproductive organ. <i>Developmental Cell</i> , 2022, 57, 2168-2180.e4.	3.1	2
239	A crosstalk of circadian clock and alternative splicing under abiotic stresses in the plants. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	3
242	Seasonal Changes in the Circadian Rhythm of Gas Released from Harvested Cucumbers. <i>Natural Science</i> , 2022, 14, 503-516.	0.2	2
244	Editorial: Plant circadian rhythms. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	0
245	Root PRR7 Improves the Accuracy of the Shoot Circadian Clock through Nutrient Transport. <i>Plant and Cell Physiology</i> , 2023, 64, 352-362.	1.5	3
246	A bittersweet symphony: Metabolic signals in the circadian system. <i>Current Opinion in Plant Biology</i> , 2023, 73, 102333.	3.5	5
247	Limited water stress modulates expression of circadian clock genes in <i>Brachypodium distachyon</i> roots. <i>Scientific Reports</i> , 2023, 13, .	1.6	1
249	Potential Power of the Pyramidal Structure VII: Effects of Pyramid Power and Bio-Entanglement on the Circadian Rhythm of Biosensors. <i>Natural Science</i> , 2023, 15, 19-38.	0.2	1
250	Epidermal $\langle scp \rangle phyB \langle /scp \rangle$ requires $\langle scp \rangle RRC1 \langle /scp \rangle$ to promote light responses by activating the circadian rhythm. <i>New Phytologist</i> , 0, , .	3.5	2
251	Plant domestication: setting biological clocks. <i>Trends in Plant Science</i> , 2023, 28, 597-608.	4.3	3
253	Identification of the global diurnal rhythmic transcripts, transcription factors and time-of-day specific cis elements in <i>Chenopodium quinoa</i> . <i>BMC Plant Biology</i> , 2023, 23, .	1.6	3
254	A molecular framework for grain number determination in barley. <i>Science Advances</i> , 2023, 9, .	4.7	10
257	A non-cell-autonomous circadian rhythm of bioluminescence reporter activities in individual duckweed cells. <i>Plant Physiology</i> , 2023, 193, 677-688.	2.3	2