Steve A Kay

List of Publications by Year in descending order

239 papers	48,444 citations	1463 107 h-index	1799 211 g-index
251 all docs	251 docs citations	251 times ranked	26143 citing authors

#	Article	IF	Citations
1	Coordinated Transcription of Key Pathways in the Mouse by the Circadian Clock. Cell, 2002, 109, 307-320.	28.9	2,099
2	Orchestrated Transcription of Key Pathways in Arabidopsis by the Circadian Clock. Science, 2000, 290, 2110-2113.	12.6	1,539
3	Suprachiasmatic Nucleus: Cell Autonomy and Network Properties. Annual Review of Physiology, 2010, 72, 551-577.	13.1	1,056
4	Time zones: a comparative genetics of circadian clocks. Nature Reviews Genetics, 2001, 2, 702-715.	16.3	1,036
5	Reciprocal Regulation Between TOC1 and LHY/CCA1 Within the Arabidopsis Circadian Clock. Science, 2001, 293, 880-883.	12.6	1,026
6	The cryb Mutation Identifies Cryptochrome as a Circadian Photoreceptor in Drosophila. Cell, 1998, 95, 681-692.	28.9	927
7	A Functional Genomics Strategy Reveals Rora as a Component of the Mammalian Circadian Clock. Neuron, 2004, 43, 527-537.	8.1	909
8	Circadian rhythms from flies to human. Nature, 2002, 417, 329-335.	27.8	860
9	Closing the Circadian Loop: CLOCK-Induced Transcription of Its Own Inhibitors per and tim. Science, 1998, 280, 1599-1603.	12.6	784
10	Cloning of the Arabidopsis Clock Gene TOC1, an Autoregulatory Response Regulator Homolog. Science, 2000, 289, 768-771.	12.6	772
11	Melanopsin (Opn4) Requirement for Normal Light-Induced Circadian Phase Shifting. Science, 2002, 298, 2213-2216.	12.6	768
12	FKF1 and GIGANTEA Complex Formation Is Required for Day-Length Measurement in Arabidopsis. Science, 2007, 318, 261-265.	12.6	744
13	The ELF4â€“ELF3â€“LUX complex links the circadian clock to diurnal control of hypocotyl growth. Nature, 2011, 475, 398-402.	27.8	736
14	Phytochromes and Cryptochromes in the Entrainment of the Arabidopsis Circadian Clock. , 1998, 282, 1488-1490.		714
15	Global transcriptome analysis reveals circadian regulation of key pathways in plant growth and development. Genome Biology, 2008, 9, R130.	9.6	677
16	Intercellular Coupling Confers Robustness against Mutations in the SCN Circadian Clock Network. Cell, 2007, 129, 605-616.	28.9	676
17	FKF1 F-Box Protein Mediates Cyclic Degradation of a Repressor of CONSTANS in Arabidopsis. Science, 2005, 309, 293-297.	12.6	640
18	An Arabidopsis gene regulatory network for secondary cell wall synthesis. Nature, 2015, 517, 571-575.	27.8	636

#	Article	IF	Citations
19	Melanopsin Is Required for Non-Image-Forming Photic Responses in Blind Mice. Science, 2003, 301, 525-527.	12.6	635
20	ZEITLUPE Encodes a Novel Clock-Associated PAS Protein from Arabidopsis. Cell, 2000, 101, 319-329.	28.9	618
21	Molecular basis of seasonal time measurement in Arabidopsis. Nature, 2002, 419, 308-312.	27.8	616
22	Bioluminescence Imaging of Individual Fibroblasts Reveals Persistent, Independently Phased Circadian Rhythms of Clock Gene Expression. Current Biology, 2004, 14, 2289-2295.	3.9	614
23	Independent Photoreceptive Circadian Clocks ThroughoutDrosophila. Science, 1997, 278, 1632-1635.	12.6	601
24	Circadian clock mutants in Arabidopsis identified by luciferase imaging. Science, 1995, 267, 1161-1163.	12.6	595
25	Control of Circadian Rhythms and Photoperiodic Flowering by the Arabidopsis GIGANTEA Gene. Science, 1999, 285, 1579-1582.	12.6	565
26	FKF1 is essential for photoperiodic-specific light signalling in Arabidopsis. Nature, 2003, 426, 302-306.	27.8	541
27	Targeted degradation of TOC1 by ZTL modulates circadian function in Arabidopsis thaliana. Nature, 2003, 426, 567-570.	27.8	541
28	Light-Dependent Sequestration of TIMELESS by CRYPTOCHROME. Science, 1999, 285, 553-556.	12.6	535
29	Network Discovery Pipeline Elucidates Conserved Time-of-Dayâ€“Specific cis-Regulatory Modules. PLoS Genetics, 2008, 4, e14.	3.5	474
30	Cryptochrome mediates circadian regulation of cAMP signaling and hepatic gluconeogenesis. Nature Medicine, 2010, 16, 1152-1156.	30.7	465
31	Linking photoreceptor excitation to changes in plant architecture. Genes and Development, 2012, 26, 785-790.	5.9	460
32	A Genome-wide RNAi Screen for Modifiers of the Circadian Clock in Human Cells. Cell, 2009, 139, 199-210.	28.9	437
33	Arabidopsis circadian clock protein, TOC1, is a DNA-binding transcription factor. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3167-3172.	7.1	436
34	Functional interaction of phytochrome B and cryptochrome 2. Nature, 2000, 408, 207-211.	27.8	433
35	Overlapping and Distinct Roles of PRR7 and PRR9 in the Arabidopsis Circadian Clock. Current Biology, 2005, 15, 47-54.	3.9	408
36	Identification of Small Molecule Activators of Cryptochrome. Science, 2012, 337, 1094-1097.	12.6	408

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37	A Functional Genomics Approach Reveals CHE as a Component of the Arabidopsis Circadian Clock. Science, 2009, 323, 1481-1485.	12.6	398
38	Clocks not winding down: unravelling circadian networks. Nature Reviews Molecular Cell Biology, 2010, 11, 764-776.	37.0	394
39	Conditional Circadian Dysfunction of the Arabidopsis early-flowering 3 Mutant. Science, 1996, 274, 790-792.	12.6	393
40	LUX ARRHYTHMO encodes a Myb domain protein essential for circadian rhythms. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10387-10392.	7.1	381
41	Photoperiodic control of flowering: not only by coincidence. Trends in Plant Science, 2006, 11, 550-558.	8.8	379
42	Quantitative Analysis of Drosophila period Gene Transcription in Living Animals. Journal of Biological Rhythms, 1997, 12, 204-217.	2.6	364
43	Light-dependent Translocation of a Phytochrome B-GFP Fusion Protein to the Nucleus in Transgenic Arabidopsis. Journal of Cell Biology, 1999, 145, 437-445.	5.2	359
44	The Diurnal Project: Diurnal and Circadian Expression Profiling, Model-based Pattern Matching, and Promoter Analysis. Cold Spring Harbor Symposia on Quantitative Biology, 2007, 72, 353-363.	1.1	358
45	Redundant Function of REV-ERBÎ± and Î² and Non-Essential Role for Bmal1 Cycling in Transcriptional Regulation of Intracellular Circadian Rhythms. PLoS Genetics, 2008, 4, e1000023.	3.5	347
46	Molecular Bases of Circadian Rhythms. Annual Review of Cell and Developmental Biology, 2001, 17, 215-253.	9.4	344
47	Feedback repression is required for mammalian circadian clock function. Nature Genetics, 2006, 38, 312-319.	21.4	344
48	CIRCADIAN CLOCK-ASSOCIATED 1 regulates ROS homeostasis and oxidative stress responses. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17129-17134.	7.1	336
49	Genome-Wide Expression Analysis inDrosophilaReveals Genes Controlling Circadian Behavior. Journal of Neuroscience, 2002, 22, 9305-9319.	3.6	329
50	LUX ARRHYTHMO Encodes a Nighttime Repressor of Circadian Gene Expression in the Arabidopsis Core Clock. Current Biology, 2011, 21, 126-133.	3.9	327
51	Cryptochromes Are Required for Phytochrome Signaling to the Circadian Clock but Not for Rhythmicity. Plant Cell, 2000, 12, 2499-2509.	6.6	315
52	Living by the calendar: how plants know when to flower. Nature Reviews Molecular Cell Biology, 2003, 4, 265-276.	37.0	287
53	The regulation of circadian period by phototransduction pathways in Arabidopsis. Science, 1995, 267, 1163-1166.	12.6	285
54	ELF3 Modulates Resetting of the Circadian Clock in Arabidopsis. Plant Cell, 2001, 13, 1305-1316.	6.6	280

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55	Tissue-specific clocks in Arabidopsis show asymmetric coupling. Nature, 2014, 515, 419-422.	27.8	276
56	Critical Role for CCA1 and LHY in Maintaining Circadian Rhythmicity in Arabidopsis. Current Biology, 2002, 12, 757-761.	3.9	275
57	Circadian Control of Global Gene Expression Patterns. Annual Review of Genetics, 2010, 44, 419-444.	7.6	274
58	A chemical biology approach reveals period shortening of the mammalian circadian clock by specific inhibition of GSK-3Î². Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20746-20751.	7.1	273
59	GIGANTEA directly activates Flowering Locus T in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11698-11703.	7.1	267
60	ELF3 Modulates Resetting of the Circadian Clock in Arabidopsis. Plant Cell, 2001, 13, 1305-1316.	6.6	265
61	Integration of circadian and phototransduction pathways in the network controlling CAB gene transcription in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 15491-15496.	7.1	258
62	Dual Role of TOC1 in the Control of Circadian and Photomorphogenic Responses in Arabidopsis[W]. Plant Cell, 2003, 15, 223-236.	6.6	250
63	Complexity in the Wiring and Regulation of Plant Circadian Networks. Current Biology, 2012, 22, R648-R657.	3.9	246
64	A Genomic Analysis of the Shade Avoidance Response in Arabidopsis Â. Plant Physiology, 2003, 133, 1617-1629.	4.8	243
65	Photoactive yellow protein: A structural prototype for the three-dimensional fold of the PAS domain superfamily. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 5884-5890.	7.1	237
66	Guidelines for Genome-Scale Analysis of Biological Rhythms. Journal of Biological Rhythms, 2017, 32, 380-393.	2.6	237
67	Genome-wide identification of CCA1 targets uncovers an expanded clock network in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4802-10.	7.1	230
68	Molecular mechanisms at the core of the plant circadian oscillator. Nature Structural and Molecular Biology, 2016, 23, 1061-1069.	8.2	226
69	Cis and trans determinants of epigenetic silencing by Polycomb repressive complex 2 in Arabidopsis. Nature Genetics, 2017, 49, 1546-1552.	21.4	226
70	A Role for LKP2 in the Circadian Clock of Arabidopsis. Plant Cell, 2001, 13, 2659-2670.	6.6	225
71	Control of plant stem cell function by conserved interacting transcriptional regulators. Nature, 2015, 517, 377-380.	27.8	224
72	Genome-wide single-nucleotide polymorphism analysis defines haplotype patterns in mouse. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3380-3385.	7.1	222

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73	Circadian rhythm genetics: from flies to mice to humans. Nature Genetics, 2000, 26, 23-27.	21.4	220
74	F-Box Proteins FKF1 and LKP2 Act in Concert with ZEITLUPE to Control Arabidopsis Clock Progression Â. Plant Cell, 2010, 22, 606-622.	6.6	220
75	Analysis of the function of two circadian-regulated CONSTANS-LIKE genes. Plant Journal, 2001, 26, 15-22.	5.7	217
76	High-Throughput Chemical Screen Identifies a Novel Potent Modulator of Cellular Circadian Rhythms and Reveals CKIÎ± as a Clock Regulatory Kinase. PLoS Biology, 2010, 8, e1000559.	5.6	216
77	A novel computational model of the circadian clock in Arabidopsis that incorporates PRR7 and PRR9. Molecular Systems Biology, 2006, 2, 58.	7.2	213
78	Nitrate foraging by Arabidopsis roots is mediated by the transcription factor TCP20 through the systemic signaling pathway. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15267-15272.	7.1	202
79	A mouse forward genetics screen identifies LISTERIN as an E3 ubiquitin ligase involved in neurodegeneration. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2097-2103.	7.1	200
80	A Morning-Specific Phytohormone Gene Expression Program underlying Rhythmic Plant Growth. PLoS Biology, 2008, 6, e225.	5.6	197
81	PRR3 Is a Vascular Regulator of TOC1 Stability in theArabidopsisCircadian Clock. Plant Cell, 2007, 19, 3462-3473.	6.6	192
82	BRANCHED1 Interacts with FLOWERING LOCUS T to Repress the Floral Transition of the Axillary Meristems inArabidopsisÂ Â Â. Plant Cell, 2013, 25, 1228-1242.	6.6	189
83	Global Profiling of Rice and Poplar Transcriptomes Highlights Key Conserved Circadian-Controlled Pathways and cis-Regulatory Modules. PLoS ONE, 2011, 6, e16907.	2.5	188
84	A Comparison of the Celera and Ensembl Predicted Gene Sets Reveals Little Overlap in Novel Genes. Cell, 2001, 106, 413-415.	28.9	185
85	Positive and Negative Factors Confer Phase-Specific Circadian Regulation of Transcription in Arabidopsis. Plant Cell, 2005, 17, 1926-1940.	6.6	184
86	A model of the cell-autonomous mammalian circadian clock. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11107-11112.	7.1	183
87	Spatial and temporal regulation of biosynthesis of the plant immune signal salicylic acid. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9166-9173.	7.1	181
88	Emergence of Noise-Induced Oscillations in the Central Circadian Pacemaker. PLoS Biology, 2010, 8, e1000513.	5.6	172
89	Targeting Glioblastoma Stem Cells through Disruption of the Circadian Clock. Cancer Discovery, 2019, 9, 1556-1573.	9.4	172
90	Novel Features of Drosophila period Transcription Revealed by Real-Time Luciferase Reporting. Neuron, 1996, 16, 687-692.	8.1	171

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91	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
92	Circadian Photoperception. Annual Review of Physiology, 2001, 63, 677-694.	13.1	169
93	A Genome-Scale Resource for the Functional Characterization of Arabidopsis Transcription Factors. Cell Reports, 2014, 8, 622-632.	6.4	164
94	Mammalian circadian signaling networks and therapeutic targets. Nature Chemical Biology, 2007, 3, 630-639.	8.0	162
95	An expanding universe of circadian networks in higher plants. Trends in Plant Science, 2010, 15, 259-265.	8.8	161
96	Bioluminescence imaging in living organisms. Current Opinion in Biotechnology, 2005, 16, 73-78.	6.6	159
97	Genome-wide patterns of single-feature polymorphism in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12057-12062.	7.1	157
98	The Plant Circadian Clock: From a Simple Timekeeper to a Complex Developmental Manager. Cold Spring Harbor Perspectives in Biology, 2016, 8, a027748.	5.5	154
99	Plant Stress Tolerance Requires Auxin-Sensitive Aux/IAA Transcriptional Repressors. Current Biology, 2017, 27, 437-444.	3.9	148
100	Multiple circadian-regulated elements contribute to cycling period gene expression in Drosophila. EMBO Journal, 1997, 16, 5006-5018.	7.8	146
101	Climate Change and the Integrity of Science. Science, 2010, 328, 689-690.	12.6	143
102	Universality and flexibility in gene expression from bacteria to human. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 3765-3769.	7.1	139
103	Circadian clock- and phytochrome-regulated transcription is conferred by a 78 bp cis-acting domain of the Arabidopsis CAB2 promoter. Plant Journal, 1994, 6, 457-470.	5.7	136
104	A Role for LKP2 in the Circadian Clock of Arabidopsis. Plant Cell, 2001, 13, 2659-2670.	6.6	134
105	Circadian Amplitude Regulation via FBXW7-Targeted REV-ERBÎ± Degradation. Cell, 2016, 165, 1644-1657.	28.9	130
106	Gene regulation by phytochrome. Trends in Genetics, 1988, 4, 37-42.	6.7	129
107	Firefly luciferase as a reporter of regulated gene expression in higher plants. Plant Molecular Biology Reporter, 1992, 10, 324-337.	1.8	127
108	The sequence of the rice phytochrome gene. Nucleic Acids Research, 1989, 17, 2865-2866.	14.5	125

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109	The Rqc2/Tae2 subunit of the ribosome-associated quality control (RQC) complex marks ribosome-stalled nascent polypeptide chains for aggregation. ELife, 2016, 5, e11794.	6.0	119
110	Enhanced Y1H assays for Arabidopsis. Nature Methods, 2011, 8, 1053-1055.	19.0	115
111	Reporter gene expression for monitoring gene transfer. Current Opinion in Biotechnology, 1997, 8, 617-622.	6.6	109
112	tej Defines a Role for Poly(ADP-Ribosyl)ation in Establishing Period Length of the Arabidopsis Circadian Oscillator. Developmental Cell, 2002, 3, 51-61.	7.0	109
113	Green fluorescent protein and its derivatives as versatile markers for gene expression in living Drosophila melanogaster, plant and mammalian cells. Gene, 1996, 173, 83-87.	2.2	108
114	A Novel Circadian Phenotype Based on Firefly Luciferase Expression in Transgenic Plants. Plant Cell, 1992, 4, 1075.	6.6	105
115	An Arabidopsis Mutant Hypersensitive to Red and Far-Red Light Signals. Plant Cell, 1998, 10, 889-904.	6.6	103
116	Exploring the transcriptional landscape of plant circadian rhythms using genome tiling arrays. Genome Biology, 2009, 10, R17.	9.6	103
117	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
118	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
119	Circadian Clocks in Daily and Seasonal Control of Development. Science, 2003, 301, 326-328.	12.6	98
120	HsfB2b-mediated repression of PRR7 directs abiotic stress responses of the circadian clock. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16172-16177.	7.1	96
121	Arabidopsis B-BOX32 interacts with CONSTANS-LIKE3 to regulate flowering. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 172-177.	7.1	95
122	Cell-based screen identifies a new potent and highly selective CK2 inhibitor for modulation of circadian rhythms and cancer cell growth. Science Advances, 2019, 5, eaau9060.	10.3	93
123	A Constitutive Shade-Avoidance Mutant Implicates TIR-NBS-LRR Proteins in Arabidopsis Photomorphogenic Development. Plant Cell, 2006, 18, 2919-2928.	6.6	89
124	Rapid Array Mapping of Circadian Clock and Developmental Mutations in Arabidopsis. Plant Physiology, 2005, 138, 990-997.	4.8	85
125	COP1 destabilizes DELLA proteins in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13792-13799.	7.1	84
126	Light-Induced Breakdown of NADPH-Protochlorophyllide Oxidoreductase In Vitro. Plant Physiology, 1983, 72, 229-236.	4.8	83

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127	PRR7 protein levels are regulated by light and the circadian clock in Arabidopsis. Plant Journal, 2007, 52, 548-560.	5.7	83
128	TCP4-dependent induction of CONSTANS transcription requires GIGANTEA in photoperiodic flowering in Arabidopsis. PLoS Genetics, 2017, 13, e1006856.	3.5	80
129	Real-Time Reporting of Circadian-Regulated Gene Expression by Luciferase Imaging in Plants and Mammalian Cells. Methods in Enzymology, 2005, 393, 269-288.	1.0	79
130	Arabidopsis FHY3 Specifically Gates Phytochrome Signaling to the Circadian Clock. Plant Cell, 2006, 18, 2506-2516.	6.6	79
131	Transcriptional Regulation of LUX by CBF1 Mediates Cold Input to the Circadian Clock in Arabidopsis. Current Biology, 2014, 24, 1518-1524.	3.9	79
132	Phytochrome-controlled expression of a wheat Cab gene in transgenic tobacco seedlings. EMBO Journal, 1986, 5, 1119-1124.	7.8	77
133	Nuclear receptor HNF4A transrepresses CLOCK:BMAL1 and modulates tissue-specific circadian networks. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E12305-E12312.	7.1	77
134	Casein kinase 1 family regulates PRR5 and TOC1 in the Arabidopsis circadian clock. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11528-11536.	7.1	77
135	Cytochrome P450 Monooxygenases as Reporters for Circadian-Regulated Pathways Â Â Â. Plant Physiology, 2009, 150, 858-878.	4.8	75
136	The Rice Phytochrome Gene: Structure, Autoregulated Expression, and Binding of GT-1 to a Conserved Site in the 5' Upstream Region. Plant Cell, 1989, 1, 351.	6.6	74
137	Automated analysis of hypocotyl growth dynamics during shade avoidance in Arabidopsis. Plant Journal, 2011, 65, 991-1000.	5.7	74
138	A mobile ELF4 delivers circadian temperature information from shoots to roots. Nature Plants, 2020, 6, 416-426.	9.3	73
139	Integration of Light and Photoperiodic Signaling in Transcriptional Nuclear Foci. Developmental Cell, 2015, 35, 311-321.	7.0	72
140	Cï£¿H Activation Generates Periodâ€shortening Molecules That Target Cryptochrome in the Mammalian Circadian Clock. Angewandte Chemie - International Edition, 2015, 54, 7193-7197.	13.8	71
141	Light Perception: A Matter of Time. Molecular Plant, 2020, 13, 363-385.	8.3	71
142	Circadian Control of cab Gene Transcription and mRNA Accumulation in Arabidopsis. Plant Cell, 1991, 3, 541.	6.6	67
143	The F Box Protein AFR Is a Positive Regulator of Phytochrome A-Mediated Light Signaling. Current Biology, 2003, 13, 2091-2096.	3.9	67
144	PAS, Present, and Future: Clues to the Origins of Circadian Clocks. Science, 1997, 276, 753-754.	12.6	66

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145	Time Flies for Drosophila. Cell, 2000, 100, 297-300.	28.9	66
146	The 6xABRE Synthetic Promoter Enables the Spatiotemporal Analysis of ABA-Mediated Transcriptional Regulation. Plant Physiology, 2018, 177, 1650-1665.	4.8	63
147	Isoform-selective regulation of mammalian cryptochromes. Nature Chemical Biology, 2020, 16, 676-685.	8.0	61
148	Gene Transfer in Leptolyngbya sp. Strain BL0902, a Cyanobacterium Suitable for Production of Biomass and Bioproducts. PLoS ONE, 2012, 7, e30901.	2.5	59
149	Taurine ameliorates particulate matter-induced emphysema by switching on mitochondrial NADH dehydrogenase genes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9655-E9664.	7.1	56
150	A Small Molecule Modulates Circadian Rhythms through Phosphorylation of the Period Protein. Angewandte Chemie - International Edition, 2011, 50, 10608-10611.	13.8	55
151	Spatiotemporal separation of PER and CRY posttranslational regulation in the mammalian circadian clock. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2040-2045.	7.1	55
152	Signaling networks in the plant circadian system. Current Opinion in Plant Biology, 2001, 4, 429-435.	7.1	54
153	Multi-level Modulation of Light Signaling by GIGANTEA Regulates Both the Output and Pace of the Circadian Clock. Developmental Cell, 2019, 49, 840-851.e8.	7.0	53
154	HY5, Circadian Clock-Associated 1, and a cis-Element, DET1 Dark Response Element, Mediate DET1 Regulation of Chlorophyll a/b-Binding Protein 2 Expression. Plant Physiology, 2003, 133, 1565-1577.	4.8	52
155	Impaired clock output by altered connectivity in the circadian network. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5650-5655.	7.1	51
156	Second messenger and Ras/MAPK signalling pathways regulate CLOCK/CYCLE-dependent transcription. Journal of Neurochemistry, 2006, 98, 248-257.	3.9	49
157	Development of Smallâ€Molecule Cryptochrome Stabilizer Derivatives as Modulators of the Circadian Clock. ChemMedChem, 2015, 10, 1489-1497.	3.2	49
158	Decoys Untangle Complicated Redundancy and Reveal Targets of Circadian Clock F-Box Proteins. Plant Physiology, 2018, 177, 1170-1186.	4.8	49
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160	New models in vogue for circadian clocks. Cell, 1995, 83, 361-364.	28.9	48
161	Circadian Transcription Depends on Limiting Amounts of the Transcription Co-activator nejire/CBP. Journal of Biological Chemistry, 2007, 282, 31349-31357.	3.4	48
162	Real-time in vivo monitoring of circadian E-box enhancer activity: A robust and sensitive zebrafish reporter line for developmental, chemical and neural biology of the circadian clock. Developmental Biology, 2013, 380, 259-273.	2.0	48

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163	Gene arrays are not just for measuring gene expression. Trends in Plant Science, 2003, 8, 413-416.	8.8	47
164	Global approaches for telling time: Omics and the Arabidopsis circadian clock. Seminars in Cell and Developmental Biology, 2013, 24, 383-392.	5.0	47
165	Daily Changes in Temperature, Not the Circadian Clock, Regulate Growth Rate in Brachypodium distachyon. PLoS ONE, 2014, 9, e100072.	2.5	47
166	Long-term monitoring of circadian rhythms in c-fos gene expression from suprachiasmatic nucleus cultures. Current Biology, 1997, 7, 758-766.	3.9	44
167	TheperiodE-box Is Sufficient to Drive Circadian Oscillation of Transcription In Vivo. Journal of Biological Rhythms, 2000, 15, 462-470.	2.6	42
168	High-Throughput Screening and Chemical Biology: New Approaches for Understanding Circadian Clock Mechanisms. Chemistry and Biology, 2009, 16, 921-927.	6.0	41
169	GIGANTEA gates gibberellin signaling through stabilization of the DELLA proteins in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21893-21899.	7.1	41
170	Clocking cancer: the circadian clock as a target in cancer therapy. Oncogene, 2021, 40, 3187-3200.	5.9	41
171	HNF4A defines tissue-specific circadian rhythms by beaconing BMAL1::CLOCK chromatin binding and shaping theÂrhythmic chromatin landscape. Nature Communications, 2021, 12, 6350.	12.8	38
172	The presence and photoregulation of protochlorophyllide reductase in green tissues. Plant Molecular Biology, 1985, 4, 13-22.	3.9	37
173	Cell-autonomous circadian clock of hepatocytes drives rhythms in transcription and polyamine synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18560-18565.	7.1	37
174	FBH1 affects warm temperature responses in the Arabidopsis circadian clock. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14595-14600.	7.1	36
175	Circadian Transcriptional Output in the SCN and Liver of the Mouse. Novartis Foundation Symposium, 2008, , 171-183.	1.1	35
176	Illuminating the mechanism of the circadian clock in plants. Trends in Plant Science, 1996, 1, 51-57.	8.8	34
177	Cryptochromes â€“ bringing the blues to circadian rhythms. Trends in Cell Biology, 1999, 9, 295-298.	7.9	34
178	A genome-wide microRNA screen identifies the microRNA-183/96/182 cluster as a modulator of circadian rhythms. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	33
179	Regulation of the cycling oftimeless (tim) RNA. Journal of Neurobiology, 2001, 47, 161-175.	3.6	32
180	The GATA-binding protein CGF-1 is closely related to GT-1. Plant Molecular Biology, 1995, 29, 1253-1266.	3.9	31

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182	DNA Arrays: Applications and Implications for Circadian Biology. Journal of Biological Rhythms, 2003, 18, 96-105.	2.6	31
183	Identification of pathways that regulate circadian rhythms using a larval zebrafish small molecule screen. Scientific Reports, 2019, 9, 12405.	3.3	31
184	CryoEM structures of Arabidopsis DDR complexes involved in RNA-directed DNA methylation. Nature Communications, 2019, 10, 3916.	12.8	31
185	The ins and outs of circadian regulated gene expression. Current Opinion in Plant Biology, 1999, 2, 114-120.	7.1	29
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