John B Hogenesch

List of Publications by Year
in descending order

143 papers	28,378 citations	13099 68 h-index	10734 138 g-index
158 all docs	158 docs citations	158 times ranked	27508 citing authors

#	Article	IF	Citations
1	Ontogeny and function of the circadian clock in intestinal organoids. EMBO Journal, 2022, 41, e106973.	7.8	24
2	Poor Sleep Quality in Pediatric HSCT Recipients. Transplantation and Cellular Therapy, 2022, 28, S398.	1.2	0
3	Analysis of Diurnal Variations in Heart Rate: Potential Applications for Chronobiology and Cardiovascular Medicine. Frontiers in Physiology, 2022, 13, 835198.	2.8	3
4	<i>duper</i>is a null mutation of Cryptochrome 1 in Syrian hamsters. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2123560119.	7.1	6
5	CRY1â€CBS binding regulates circadian clock function and metabolism. FEBS Journal, 2021, 288, 614-639.	4.7	29
6	Short-term exposure to intermittent hypoxia leads to changes in gene expression seen in chronic pulmonary disease. ELife, 2021, 10, .	6.0	22
7	CAMPAREE: a robust and configurable RNA expression simulator. BMC Genomics, 2021, 22, 692.	2.8	2
8	Lowering Nighttime Blood Pressure With Bedtime Dosing of Antihypertensive Medications: Controversies in Hypertension - Con Side of the Argument. Hypertension, 2021, 78, 871-878.	2.7	26
9	The Circadian Clock Gene, Bmal1, Regulates Intestinal Stem Cell Signaling and Represses Tumor Initiation. Cellular and Molecular Gastroenterology and Hepatology, 2021, 12, 1847-1872.e0.	4.5	43
10	Normalized coefficient of variation (nCV): a method to evaluate circadian clock robustness in population scale data. Bioinformatics, 2021, 37, 4581-4583.	4.1	13
11	Response to Lowering Nighttime Blood Pressure with Bedtime Dosing of Antihypertensive Medications: Controversies in Hypertension - Pro Side of the Argument. Hypertension, 2021, 78, 893.	2.7	0
12	NF-Î°B modifies the mammalian circadian clock through interaction with the core clock protein BMAL1. PLoS Genetics, 2021, 17, e1009933.	3.5	39
13	The central melanocortin system mediates the benefits of time-restricted feeding on energy balance. Physiology and Behavior, 2020, 227, 113132.	2.1	7
14	A population-based gene expression signature of molecular clock phase from a single epidermal sample. Genome Medicine, 2020, 12, 73.	8.2	34
15	Adaptive Thermogenesis in Mice Is Enhanced by Opsin 3-Dependent Adipocyte Light Sensing. Cell Reports, 2020, 30, 672-686.e8.	6.4	53
16	Genome-wide studies of time of day in the brain: Design and analysis. Brain Science Advances, 2020, 6, 92-105.	0.9	10
17	Dosing time matters. Science, 2019, 365, 547-549.	12.6	161
18	The NRON complex controls circadian clock function through regulated PER and CRY nuclear translocation. Scientific Reports, 2019, 9, 11883.	3.3	23

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19	Medicine in the Fourth Dimension. Cell Metabolism, 2019, 30, 238-250.	16.2	245
20	Reply to Furlan et al.: The role of SIRT1 in cell autonomous clock function. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13173-13173.	7.1	0
21	Sleep and Circadian Medicine. Neurologic Clinics, 2019, 37, 615-629.	1.8	11
22	Genomeâ€wide effect of pulmonary airway epithelial cellâ€“specific <i>Bmal1</i> deletion. FASEB Journal, 2019, 33, 6226-6238.	0.5	40
23	Shift Work Disrupts Circadian Regulation of the Transcriptome in Hospital Nurses. Journal of Biological Rhythms, 2019, 34, 167-177.	2.6	38
24	A large-scale study reveals 24-h operational rhythms in hospital treatment. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20953-20958.	7.1	20
25	When Should You Take Your Medicines?. Journal of Biological Rhythms, 2019, 34, 582-583.	2.6	9
26	Polycystin-1 regulates bone development through an interaction with the transcriptional coactivator TAZ. Human Molecular Genetics, 2019, 28, 16-30.	2.9	25
27	Circadian biology in translation. FASEB Journal, 2019, 33, 344.3.	0.5	0
28	Soluble syntaxin 3 functions as a transcriptional regulator. Journal of Biological Chemistry, 2018, 293, 5478-5491.	3.4	14
29	Computational and experimental insights into the circadian effects of SIRT1. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11643-11648.	7.1	49
30	Population-level rhythms in human skin with implications for circadian medicine. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12313-12318.	7.1	97
31	A database of tissue-specific rhythmically expressed human genes has potential applications in circadian medicine. Science Translational Medicine, 2018, 10, .	12.4	217
32	Circadian Dysregulation: The Next Frontier in Obstructive Sleep Apnea Research. Otolaryngology - Head and Neck Surgery, 2018, 159, 948-955.	1.9	23
33	Systematic Analysis of Mouse Genome Reveals Distinct Evolutionary and Functional Properties Among Circadian and Ultradian Genes. Frontiers in Physiology, 2018, 9, 1178.	2.8	19
34	mTOR signaling regulates central and peripheral circadian clock function. PLoS Genetics, 2018, 14, e1007369.	3.5	154
35	Cisplatin-DNA adduct repair of transcribed genes is controlled by two circadian programs in mouse tissues. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E4777-E4785.	7.1	65
36	Interrogation of nonconserved human adipose lincRNAs identifies a regulatory role of <i>linc-ADAL</i> in adipocyte metabolism. Science Translational Medicine, 2018, 10, .	12.4	42

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37	CYCLOPS reveals human transcriptional rhythms in health and disease. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5312-5317.	7.1	184
38	Circadian Rhythms: Move Over Neurons â€" Astrocytes Mediate SCN Clock Function. Current Biology, 2017, 27, R350-R352.	3.9	6
39	The Nephila clavipes genome highlights the diversity of spider silk genes and their complex expression. Nature Genetics, 2017, 49, 895-903.	21.4	190
40	Clock Regulation of Metabolites Reveals Coupling between Transcription and Metabolism. Cell Metabolism, 2017, 25, 961-974.e4.	16.2	162
41	Experimental and statistical reevaluation provides no evidence for <i>Drosophila</i> courtship song rhythms. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9978-9983.	7.1	14
42	Guidelines for Genome-Scale Analysis of Biological Rhythms. Journal of Biological Rhythms, 2017, 32, 380-393.	2.6	237
43	It's not all in the brain. ELife, 2017, 6, .	6.0	0
44	A new view of transcriptome complexity and regulation through the lens of local splicing variations. ELife, 2016, 5, e11752.	6.0	385
45	Neural clocks and Neuropeptide F/Y regulate circadian gene expression in a peripheral metabolic tissue. ELife, 2016, 5, .	6.0	61
46	MetaCycle: an integrated R package to evaluate periodicity in large scale data. Bioinformatics, 2016, 32, 3351-3353.	4.1	413
47	The Local Edge Machine: inference of dynamic models of gene regulation. Genome Biology, 2016, 17, 214.	8.8	24
48	Discovering Biology in Periodic Data through Phase Set Enrichment Analysis (PSEA). Journal of Biological Rhythms, 2016, 31, 244-257.	2.6	63
49	Modeling of RNA-seq fragment sequence bias reduces systematic errors in transcript abundance estimation. Nature Biotechnology, 2016, 34, 1287-1291.	17.5	159
50	Placental Expression of miR-517a/b and miR-517c Contributes to Trophoblast Dysfunction and Preeclampsia. PLoS ONE, 2015, 10, e0122707.	2.5	67
51	KPNB1 mediates PER/CRY nuclear translocation and circadian clock function. ELife, 2015, 4, .	6.0	37
52	Benchmark analysis of algorithms for determining and quantifying full-length mRNA splice forms from RNA-seq data. Bioinformatics, 2015, 31, 3938-3945.	4.1	90
53	Assessing the prevalence of mycoplasma contamination in cell culture via a survey of NCBI's RNA-seq archive. Nucleic Acids Research, 2015, 43, 2535-2542.	14.5	80
54	The Liver Clock Controls Cholesterol Homeostasis through Trib1 Protein-mediated Regulation of PCSK9/Low Density Lipoprotein Receptor (LDLR) Axis. Journal of Biological Chemistry, 2015, 290, 31003-31012.	3.4	31

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55	Considerations for RNA-seq Analysis of Circadian Rhythms. Methods in Enzymology, 2015, 551, 349-367.	1.0	68
56	Zebrafish <i>foxc1a</i> drives appendage-specific neural circuit development. Development (Cambridge), 2015, 142, 753-762.	2.5	16
57	A Genome-wide Screen Identifies PAPP-AA-Mediated IGFR Signaling as a Novel Regulator of Habituation Learning. Neuron, 2015, 85, 1200-1211.	8.1	85
58	Ubiquitin ligase Siah2 regulates RevErbÎ± degradation and the mammalian circadian clock. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12420-12425.	7.1	34
59	Ribosome profiling reveals an important role for translational control in circadian gene expression. Genome Research, 2015, 25, 1836-1847.	5.5	99
60	MYC Disrupts the Circadian Clock and Metabolism in Cancer Cells. Cell Metabolism, 2015, 22, 1009-1019.	16.2	217
61	Detection Theory in Identification of RNA-DNA Sequence Differences Using RNA-Sequencing. PLoS ONE, 2014, 9, e112040.	2.5	7
62	Cell Type-Specific Functions of Period Genes Revealed by Novel Adipocyte and Hepatocyte Circadian Clock Models. PLoS Genetics, 2014, 10, e1004244.	3.5	119
63	Machine Learning Helps Identify CHRONO as a Circadian Clock Component. PLoS Biology, 2014, 12, e1001840.	5.6	109
64	Pax3 and Hippo Signaling Coordinate Melanocyte Gene Expression in Neural Crest. Cell Reports, 2014, 9, 1885-1895.	6.4	49
65	A circadian gene expression atlas in mammals: Implications for biology and medicine. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16219-16224.	7.1	1,802
66	A Novel<i>BHLHE41</i>Variant is Associated with Short Sleep and Resistance to Sleep Deprivation in Humans. Sleep, 2014, 37, 1327-1336.	1.1	104
67	The Growth and Impact of Alzheimer Disease Centers as Measured by Social Network Analysis. JAMA Neurology, 2014, 71, 412.	9.0	22
68	Role for <i>LSM</i> genes in the regulation of circadian rhythms. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15166-15171.	7.1	76
69	IVT-seq reveals extreme bias in RNA sequencing. Genome Biology, 2014, 15, R86.	9.6	134
70	miR-210 Inhibits Trophoblast Invasion and Is a Serum Biomarker for Preeclampsia. American Journal of Pathology, 2013, 183, 1437-1445.	3.8	126
71	Extensive Variation in Chromatin States Across Humans. Science, 2013, 342, 750-752.	12.6	338
72	High Throughput Genomic Screen Identifies Multiple Factors That Promote Cooperative Wnt Signaling. PLoS ONE, 2013, 8, e55782.	2.5	2

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73	Brain-Specific Rescue of Clock Reveals System-Driven Transcriptional Rhythms in Peripheral Tissue. PLoS Genetics, 2012, 8, e1002835.	3.5	97
74	CircaDB: a database of mammalian circadian gene expression profiles. Nucleic Acids Research, 2012, 41, D1009-D1013.	14.5	285
75	Wnt ligands signal in a cooperative manner to promote foregut organogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15348-15353.	7.1	54
76	The Transcription Factor Encyclopedia. Genome Biology, 2012, 13, R24.	9.6	103
77	The Î³-Secretase Cleavage Product of Polycystin-1 Regulates TCF and CHOP-Mediated Transcriptional Activation through a p300-Dependent Mechanism. Developmental Cell, 2012, 22, 197-210.	7.0	61
78	Adhesion Regulates MAP Kinase/Ternary Complex Factor Exchange to Control a Proliferative Transcriptional Switch. Current Biology, 2012, 22, 2017-2026.	3.9	32
79	Polycystinâ€1 stimulates skeletogenesis via TAZâ€mediated activation of RunX2. FASEB Journal, 2012, 26, lb811.	0.5	1
80	The Circadian Clock Interacts with Metabolic Physiology to Influence Reproductive Fitness. Cell Metabolism, 2011, 13, 639-654.	16.2	149
81	A CRY in the Night. Developmental Cell, 2011, 20, 144-145.	7.0	5
82	Understanding systems-level properties: timely stories from the study of clocks. Nature Reviews Genetics, 2011, 12, 407-416.	16.3	124
83	Intracellular and intercellular processes determine robustness of the circadian clock. FEBS Letters, 2011, 585, 1427-1434.	2.8	54
84	The Role of Clock Genes in Pharmacology. Annual Review of Pharmacology and Toxicology, 2010, 50, 187-214.	9.4	88
85	The network as the target. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2010, 2, 127-133.	6.6	11
86	JTK_CYCLE: An Efficient Nonparametric Algorithm for Detecting Rhythmic Components in Genome-Scale Data Sets. Journal of Biological Rhythms, 2010, 25, 372-380.	2.6	919
87	CLOCK and BMAL1 regulate <i>MyoD</i> and are necessary for maintenance of skeletal muscle phenotype and function. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19090-19095.	7.1	299
88	Network Dynamics to Evaluate Performance of an Academic Institution. Science Translational Medicine, 2010, 2, 53ps49.	12.4	20
89	Mammalian Per-Arnt-Sim Proteins in Environmental Adaptation. Annual Review of Physiology, 2010, 72, 625-645.	13.1	321
90	Genomics and systems approaches in the mammalian circadian clock. Current Opinion in Genetics and Development, 2010, 20, 581-587.	3.3	38

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91	Network Features of the Mammalian Circadian Clock. PLoS Biology, 2009, 7, e1000052.	5.6	228
92	It's all in a day's work: Regulation of DNA excision repair by the circadian clock. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2481-2482.	7.1	4
93	Harmonics of Circadian Gene Transcription in Mammals. PLoS Genetics, 2009, 5, e1000442.	3.5	616
94	Generation of a Novel Allelic Series of Cryptochrome Mutants via Mutagenesis Reveals Residues Involved in Protein-Protein Interaction and CRY2-Specific Repression. Molecular and Cellular Biology, 2009, 29, 5465-5476.	2.3	25
95	A Genome-wide RNAi Screen for Modifiers of the Circadian Clock in Human Cells. Cell, 2009, 139, 199-210.	28.9	437
96	ESRP1 and ESRP2 Are Epithelial Cell-Type-Specific Regulators of FGFR2 Splicing. Molecular Cell, 2009, 33, 591-601.	9.7	509
97	Night/Day Changes in Pineal Expression of >600 Genes. Journal of Biological Chemistry, 2009, 284, 7606-7622.	3.4	130
98	Clock Gene Wikis Available: Join the â€œLong Tailâ€• Journal of Biological Rhythms, 2008, 23, 456-457.	2.6	1
99	Analysis and synthesis of high-amplitude Cis-elements in the mammalian circadian clock. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14946-14951.	7.1	69
100	WAVECLOCK: wavelet analysis of circadian oscillation. Bioinformatics, 2008, 24, 2794-2795.	4.1	43
101	NetAtlas: a Cytoscape plugin to examine signaling networks based on tissue gene expression. In Silico Biology, 2008, 8, 47-52.	0.9	5
102	Circadian and CLOCK-controlled regulation of the mouse transcriptome and cell proliferation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3342-3347.	7.1	439
103	Identification of the circadian transcriptome in adult mouse skeletal muscle. Physiological Genomics, 2007, 31, 86-95.	2.3	300
104	A functional map of NFÎºB signaling identifies novel modulators and multiple system controls. Genome Biology, 2007, 8, R104.	9.6	20
105	A coactivator trap identifies NONO (p54 ^{nrb}) as a component of the cAMP-signaling pathway. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20314-20319.	7.1	103
106	The imprinted gene Magel2 regulates normal circadian output. Nature Genetics, 2007, 39, 1266-1272.	21.4	196
107	Identification and Characterization of Genes Susceptible to Transcriptional Cross-Talk between the Hypoxia and Dioxin Signaling Cascades. Chemical Research in Toxicology, 2006, 19, 1284-1293.	3.3	35
108	Feedback repression is required for mammalian circadian clock function. Nature Genetics, 2006, 38, 312-319.	21.4	344

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109	RNA Profiling in Circadian Biology. Methods in Enzymology, 2005, 393, 366-376.	1.0	22
110	Exploring Trafficking GTPase Function by mRNA Expression Profiling: Use of the SymAtlas Webâ€Application and the Membrome Datasets. Methods in Enzymology, 2005, 403, 1-10.	1.0	11
111	Identification of novel mammalian growth regulatory factors by genome-scale quantitative image analysis. Genome Research, 2005, 15, 1136-1144.	5.5	45
112	Bioinformatic Analysis of Circadian Gene Oscillation in Mouse Aorta. Circulation, 2005, 112, 2716-2724.	1.6	141
113	Illumination of the Melanopsin Signaling Pathway. Science, 2005, 307, 600-604.	12.6	421
114	Comparative genomics as a tool in the understanding of eukaryotic transcriptional regulation. Current Opinion in Genetics and Development, 2005, 15, 634-639.	3.3	2
115	c-Myb and p300 Regulate Hematopoietic Stem Cell Proliferation and Differentiation. Developmental Cell, 2005, 8, 153-166.	7.0	251
116	Applications of a Rat Multiple Tissue Gene Expression Data Set. Genome Research, 2004, 14, 742-749.	5.5	73
117	The Transcriptional Repressor STRA13 Regulates a Subset of Peripheral Circadian Outputs. Journal of Biological Chemistry, 2004, 279, 1141-1150.	3.4	75
118	BMAL1 and CLOCK, Two Essential Components of the Circadian Clock, Are Involved in Glucose Homeostasis. PLoS Biology, 2004, 2, e377.	5.6	860
119	Clean Thoughts about Dirty Genes. Journal of Biological Rhythms, 2004, 19, 3-9.	2.6	9
120	LXR-Dependent Gene Expression Is Important for Macrophage Survival and the Innate Immune Response. Cell, 2004, 119, 299-309.	28.9	498
121	A Functional Genomics Strategy Reveals Rora as a Component of the Mammalian Circadian Clock. Neuron, 2004, 43, 527-537.	8.1	909
122	Itâ€™s All in the Timing: Many Clocks, Many Outputs. Journal of Biological Rhythms, 2004, 19, 374-387.	2.6	102
123	An array of insights: application of DNA chip technology in the study of cell biologyâˆ—. Trends in Cell Biology, 2003, 13, 151-156.	7.9	56
124	Melanopsin Is Required for Non-Image-Forming Photic Responses in Blind Mice. Science, 2003, 301, 525-527.	12.6	635
125	TORCs. Molecular Cell, 2003, 12, 413-423.	9.7	564
126	A Chemical, Genetic, and Structural Analysis of the Nuclear Bile Acid Receptor FXR. Molecular Cell, 2003, 11, 1079-1092.	9.7	359

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127	Genome-Wide Analysis of CREB Target Genes Reveals A Core Promoter Requirement for cAMP Responsiveness. Molecular Cell, 2003, 11, 1101-1108.	9.7	232
128	Genome-scale functional profiling of the mammalian AP-1 signaling pathway. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12153-12158.	7.1	115
129	DNA Arrays: Applications and Implications for Circadian Biology. Journal of Biological Rhythms, 2003, 18, 96-105.	2.6	31
130	Categorically Distinct Acute Stressors Elicit Dissimilar Transcriptional Profiles in the Paraventricular Nucleus of the Hypothalamus. Journal of Neuroscience, 2003, 23, 5607-5616.	3.6	136
131	Melanopsin (<i>Opn4</i>) Requirement for Normal Light-Induced Circadian Phase Shifting. Science, 2002, 298, 2213-2216.	12.6	768
132	Large-scale analysis of the human and mouse transcriptomes. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4465-4470.	7.1	1,366
133	A Heat-Sensitive TRP Channel Expressed in Keratinocytes. Science, 2002, 296, 2046-2049.	12.6	828
134	Comparative Analysis of Human Genome Assemblies Reveals Genome-Level Differences. Genomics, 2002, 80, 138-139.	2.9	12
135	Coordinated Transcription of Key Pathways in the Mouse by the Circadian Clock. Cell, 2002, 109, 307-320.	28.9	2,099
136	Genome-Wide Expression Analysis in<i>Drosophila</i>Reveals Genes Controlling Circadian Behavior. Journal of Neuroscience, 2002, 22, 9305-9319.	3.6	329
137	Circadian rhythms from flies to human. Nature, 2002, 417, 329-335.	27.8	860
138	A Comparison of the Celera and Ensembl Predicted Gene Sets Reveals Little Overlap in Novel Genes. Cell, 2001, 106, 413-415.	28.9	185
139	The Basic Helix-Loop-Helix-PAS Protein MOP9 Is a Brain-Specific Heterodimeric Partner of Circadian and Hypoxia Factors. Journal of Neuroscience, 2000, 20, RC83-RC83.	3.6	104
140	Mop3 Is an Essential Component of the Master Circadian Pacemaker in Mammals. Cell, 2000, 103, 1009-1017.	28.9	1,380
141	The PAS Superfamily: Sensors of Environmental and Developmental Signals. Annual Review of Pharmacology and Toxicology, 2000, 40, 519-561.	9.4	959
142	Characterization of a Subset of the Basic-Helix-Loop-Helix-PAS Superfamily That Interacts with Components of the Dioxin Signaling Pathway. Journal of Biological Chemistry, 1997, 272, 8581-8593.	3.4	425
143	Tissue specific expression of the rat Ah-receptor and ARNT mRNAs. Nucleic Acids Research, 1994, 22, 3038-3044.	14.5	162