

Martha Merrow

List of Publications by Year in descending order

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85
papers

12,786
citations

94269

37
h-index

60497

81
g-index

86
all docs

86
docs citations

86
times ranked

10098
citing authors

#	ARTICLE	IF	CITATIONS
1	Social Jetlag: Misalignment of Biological and Social Time. <i>Chronobiology International</i> , 2006, 23, 497-509.	0.9	1,835
2	Life between Clocks: Daily Temporal Patterns of Human Chronotypes. <i>Journal of Biological Rhythms</i> , 2003, 18, 80-90.	1.4	1,832
3	A marker for the end of adolescence. <i>Current Biology</i> , 2004, 14, R1038-R1039.	1.8	1,187
4	Epidemiology of the human circadian clock. <i>Sleep Medicine Reviews</i> , 2007, 11, 429-438.	3.8	1,161
5	Social Jetlag and Obesity. <i>Current Biology</i> , 2012, 22, 939-943.	1.8	1,059
6	Peroxiredoxins are conserved markers of circadian rhythms. <i>Nature</i> , 2012, 485, 459-464.	13.7	752
7	The Circadian Clock and Human Health. <i>Current Biology</i> , 2016, 26, R432-R443.	1.8	668
8	The human circadian clock entrains to sun time. <i>Current Biology</i> , 2007, 17, R44-R45.	1.8	356
9	The Art of Entrainment. <i>Journal of Biological Rhythms</i> , 2003, 18, 183-194.	1.4	295
10	The Human Circadian Clock's Seasonal Adjustment Is Disrupted by Daylight Saving Time. <i>Current Biology</i> , 2007, 17, 1996-2000.	1.8	286
11	Assignment of circadian function for the <i>Neurospora</i> clock gene frequency. <i>Nature</i> , 1999, 399, 584-586.	13.7	239
12	Guidelines for Genome-Scale Analysis of Biological Rhythms. <i>Journal of Biological Rhythms</i> , 2017, 32, 380-393.	1.4	237
13	How Temperature Changes Reset a Circadian Oscillator. , 1998, 281, 825-829.		209
14	Circadian clocks "the fall and rise of physiology. <i>Nature Reviews Molecular Cell Biology</i> , 2005, 6, 965-971.	16.1	171
15	The Network of Time: Understanding the Molecular Circadian System. <i>Current Biology</i> , 2003, 13, R198-R207.	1.8	152
16	The circadian cycle: daily rhythms from behaviour to genes. <i>EMBO Reports</i> , 2005, 6, 930-935.	2.0	150
17	CLOCK Gene Variants Associate with Sleep Duration in Two Independent Populations. <i>Biological Psychiatry</i> , 2010, 67, 1040-1047.	0.7	128
18	Gene expression during zombie ant biting behavior reflects the complexity underlying fungal parasitic behavioral manipulation. <i>BMC Genomics</i> , 2015, 16, 620.	1.2	107

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19	Molecular Circadian Oscillators: An Alternative Hypothesis. <i>Journal of Biological Rhythms</i> , 1998, 13, 167-179.	1.4	101
20	Circadian Systems and Metabolism. <i>Journal of Biological Rhythms</i> , 1999, 14, 449-459.	1.4	92
21	Demasking biological oscillators: Properties and principles of entrainment exemplified by the <i>Neurospora</i> circadian clock. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7742-7747.	3.3	87
22	Timing of Examinations Affects School Performance Differently in Early and Late Chronotypes. <i>Journal of Biological Rhythms</i> , 2015, 30, 53-60.	1.4	81
23	Life before the Clock: Modeling Circadian Evolution. <i>Journal of Biological Rhythms</i> , 2002, 17, 495-505.	1.4	72
24	Genetic and Molecular Characterization of a Cryptochrome from the Filamentous Fungus <i>Neurospora crassa</i> . <i>Eukaryotic Cell</i> , 2010, 9, 738-750.	3.4	69
25	New findings of <i>Neurospora</i> in Europe and comparisons of diversity in temperate climates on continental scales. <i>Mycologia</i> , 2006, 98, 550-559.	0.8	64
26	Entrainment Concepts Revisited. <i>Journal of Biological Rhythms</i> , 2010, 25, 329-339.	1.4	64
27	A circadian clock in <i>Saccharomyces cerevisiae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2043-2047.	3.3	60
28	A circadian clock in a nonphotosynthetic prokaryote. <i>Science Advances</i> , 2021, 7, .	4.7	59
29	External Timeâ€Internal Time. <i>Journal of Biological Rhythms</i> , 2002, 17, 107-109.	1.4	58
30	Entrainment Dissociates Transcription and Translation of a Circadian Clock Gene in <i>Neurospora</i> . <i>Current Biology</i> , 2004, 14, 433-438.	1.8	55
31	Circadian regulation of olfaction and an evolutionarily conserved, nontranscriptional marker in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20479-20484.	3.3	54
32	A Circadian Surface of Entrainment: Varying T, I _{sc} , and Photoperiod in <i>Neurospora crassa</i> . <i>Journal of Biological Rhythms</i> , 2010, 25, 318-328.	1.4	52
33	Light reception and circadian behavior in 'blind' and 'clock-less' mutants of <i>Neurospora crassa</i> . <i>EMBO Journal</i> , 2002, 21, 3643-3651.	3.5	50
34	Photoperiodism in <i>Neurospora Crassa</i> . <i>Journal of Biological Rhythms</i> , 2004, 19, 135-143.	1.4	49
35	Time to learn: τ chronotype impacts education. <i>PsyCh Journal</i> , 2017, 6, 263-276.	0.5	49
36	A High-Throughput Method for the Analysis of Larval Developmental Phenotypes in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2015, 201, 443-448.	1.2	48

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37	Circadian Clocks. <i>Cell</i> , 2001, 106, 141-143.	13.5	44
38	Biosynthesis of the Third and Fifth Complement Components by Isolated Human Lung Cells. <i>The American Review of Respiratory Disease</i> , 1989, 139, 212-220.	2.9	43
39	Perfect timing: Epigenetic regulation of the circadian clock. <i>FEBS Letters</i> , 2011, 585, 1406-1411.	1.3	43
40	Strategies to decrease social jetlag: Reducing evening blue light advances sleep and melatonin. <i>European Journal of Neuroscience</i> , 2020, 51, 2355-2366.	1.2	40
41	Weekly, seasonal, and chronotype-dependent variation of dim-light melatonin onset. <i>Journal of Pineal Research</i> , 2021, 70, e12723.	3.4	36
42	Circadian clocks: Omnes viae Romam ducunt. <i>Current Biology</i> , 2000, 10, R742-R745.	1.8	34
43	Seasonality and Photoperiodism in Fungi. <i>Journal of Biological Rhythms</i> , 2001, 16, 403-414.	1.4	33
44	From Behavior to Mechanisms: An Integrative Approach to the Manipulation by a Parasitic Fungus (<i>Ophiocordyceps unilateralis</i> s.l.) of Its Host Ants (<i>Camponotus</i> spp.). <i>Integrative and Comparative Biology</i> , 2014, 54, 166-176.	0.9	32
45	The right place at the right time: regulation of daily timing by phosphorylation. <i>Genes and Development</i> , 2006, 20, 2629-2633.	2.7	31
46	A fungus among us: the <i>Neurospora crassa</i> circadian system. <i>Seminars in Cell and Developmental Biology</i> , 2001, 12, 279-285.	2.3	30
47	"What watch? ... such much!"* Complexity and evolution of circadian clocks. <i>Cell and Tissue Research</i> , 2002, 309, 3-9.	1.5	29
48	Genetic variants in <i>RBFOX3</i> are associated with sleep latency. <i>European Journal of Human Genetics</i> , 2016, 24, 1488-1495.	1.4	27
49	Are There Circadian Clocks in Non-Photosynthetic Bacteria?. <i>Biology</i> , 2019, 8, 41.	1.3	26
50	Entrainment of the <i>Neurospora</i> Circadian Clock. <i>Chronobiology International</i> , 2006, 23, 71-80.	0.9	24
51	Daily rhythms and enrichment patterns in the transcriptome of the behavior-manipulating parasite <i>Ophiocordyceps kimflamingiae</i> . <i>PLoS ONE</i> , 2017, 12, e0187170.	1.1	24
52	Insulin-like growth factor-1 acts as a zeitgeber on hypothalamic circadian clock gene expression via glycogen synthase kinase-3 β signaling. <i>Journal of Biological Chemistry</i> , 2018, 293, 17278-17290.	1.6	24
53	A Timely Call to Arms: COVID-19, the Circadian Clock, and Critical Care. <i>Journal of Biological Rhythms</i> , 2021, 36, 55-70.	1.4	22
54	Regulation of interleukin 6 production in T helper cells. <i>International Immunology</i> , 1990, 2, 1047-1054.	1.8	21

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55	Modeling a Circadian Surface. <i>Journal of Biological Rhythms</i> , 2010, 25, 340-349.	1.4	21
56	Cellular Clocks: Coupled Circadian and Cell Division Cycles. <i>Current Biology</i> , 2004, 14, R25-R26.	1.8	19
57	Prolonged quiescence delays somatic stem cell-like divisions in <i>Caenorhabditis elegans</i> and is controlled by insulin signaling. <i>Aging Cell</i> , 2020, 19, e13085.	3.0	19
58	Deviations from temporal scaling support a stage-specific regulation for <i>C. elegans</i> postembryonic development. <i>BMC Biology</i> , 2022, 20, 94.	1.7	15
59	The circadian cycle: is the whole greater than the sum of its parts?. <i>Trends in Genetics</i> , 2001, 17, 4-7.	2.9	13
60	Principles underlying the complex dynamics of temperature entrainment by a circadian clock. <i>IScience</i> , 2021, 24, 103370.	1.9	12
61	Light Reception: Discovering the Clock-Eye in Mammals. <i>Current Biology</i> , 2002, 12, R163-R165.	1.8	11
62	The green yeast uses its plant-like clock to regulate its animal-like tail: Figure 1.. <i>Genes and Development</i> , 2008, 22, 825-831.	2.7	11
63	Lego clocks: building a clock from parts. <i>Genes and Development</i> , 2008, 22, 1422-1426.	2.7	10
64	Social Jetlag and Obesity. <i>Current Biology</i> , 2013, 23, 737.	1.8	10
65	Combining Theoretical and Experimental Approaches to Understand the Circadian Clock. <i>Chronobiology International</i> , 2003, 20, 559-575.	0.9	9
66	Circadian effects on stroke outcome – Did we not wake up in time for neuroprotection?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 684-686.	2.4	9
67	Using Circadian Entrainment to Find Cryptic Clocks. <i>Methods in Enzymology</i> , 2015, 551, 73-93.	0.4	8
68	Macrophage chemotaxis in anti-tubular basement membrane-induced interstitial nephritis in guinea pigs. <i>Clinical Immunology and Immunopathology</i> , 1985, 36, 243-248.	2.1	7
69	Circadian Clock: Time for a Phase Shift of Ideas?. <i>Current Biology</i> , 2007, 17, R636-R638.	1.8	7
70	Circadian Clocks: Translation Lost. <i>Current Biology</i> , 2005, 15, R470-R473.	1.8	6
71	Circadian rhythms. <i>FEBS Letters</i> , 2011, 585, 1383-1383.	1.3	6
72	Preface. <i>Progress in Brain Research</i> , 2012, 199, xi-xii.	0.9	6

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73	Chapter 2 The genetic and molecular dissection of a prototypic circadian system. Progress in Brain Research, 1996, 111, 11-27.	0.9	5
74	Circadian Clocks: Evolution in the Shadows. Current Biology, 2009, 19, R1042-R1045.	1.8	5
75	Glucose sensing and light regulation: A mutation in the glucose sensor RCO-3 modifies photoadaptation in Neurospora crassa. Fungal Biology, 2018, 122, 497-504.	1.1	5
76	Weekly and seasonal variation in the circadian melatonin rhythm in humans: a response. Journal of Pineal Research, 2021, , e12777.	3.4	4
77	The Genetic Basis of the Circadian Clock: Identification of <i>frq</i> and FRQ as Clock Components in <i>Neurospora</i> . Novartis Foundation Symposium, 1995, 183, 3-25.	1.2	4
78	Enhanced Phenotyping of Complex Traits with a Circadian Clock Model. Methods in Enzymology, 2005, 393, 251-265.	0.4	3
79	Finding time: A daily clock in yeast. Cell Cycle, 2010, 9, 1671-1672.	1.3	3
80	Tardiness Increases in Winter: Evidence for Annual Rhythms in Humans. Journal of Biological Rhythms, 2019, 34, 672-679.	1.4	3
81	A functional context for heterogeneity of the circadian clock in cells. PLoS Biology, 2020, 18, e3000927.	2.6	2
82	The Circadian Clock, the Brain, and COVID-19: The Cases of Olfaction and the Timing of Sleep. Journal of Biological Rhythms, 2021, 36, 423-431.	1.4	1
83	A Unified Model for Entrainment by Circadian Clocks: Dynamic Circadian Integrated Response Characteristic (dCiRC). Journal of Biological Rhythms, 2022, 37, 202-215.	1.4	1
84	Cellular clocks: Circadian rhythms in primary human fibroblasts. Journal of Biosciences, 2005, 30, 553-555.	0.5	0
85	Journal club. Nature, 2010, 467, 135-135.	13.7	0