## Martha Merrow

List of Publications by Year in descending order

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| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Social Jetlag: Misalignment of Biological and Social Time. Chronobiology International, 2006, 23, 497-509.  | 2.0  | 1,835     |
| 2  | Life between Clocks: Daily Temporal Patterns of Human Chronotypes. Journal of Biological Rhythms, 2003, 18, 80-90.  | 2.6  | 1,832     |
| 3  | A marker for the end of adolescence. Current Biology, 2004, 14, R1038-R1039.  | 3.9  | 1,187     |
| 4  | Epidemiology of the human circadian clock. Sleep Medicine Reviews, 2007, 11, 429-438.   | 8.5  | 1,161     |
| 5  | Social Jetlag and Obesity. Current Biology, 2012, 22, 939-943.  | 3.9  | 1,059     |
| 6  | Peroxiredoxins are conserved markers of circadian rhythms. Nature, 2012, 485, 459-464.  | 27.8 | 752       |
| 7  | The Circadian Clock and Human Health. Current Biology, 2016, 26, R432-R443.   | 3.9  | 668       |
| 8  | The human circadian clock entrains to sun time. Current Biology, 2007, 17, R44-R45.   | 3.9  | 356       |
| 9  | The Art of Entrainment. Journal of Biological Rhythms, 2003, 18, 183-194.   | 2.6  | 295       |
| 10 | The Human Circadian Clock's Seasonal Adjustment Is Disrupted by Daylight Saving Time. Current<br>Biology, 2007, 17, 1996-2000.                              | 3.9  | 286       |
| 11 | Assignment of circadian function for the Neurospora clock gene frequency. Nature, 1999, 399, 584-586.   | 27.8 | 239       |
| 12 | Guidelines for Genome-Scale Analysis of Biological Rhythms. Journal of Biological Rhythms, 2017, 32, 380-393.   | 2.6  | 237       |
| 13 | How Temperature Changes Reset a Circadian Oscillator. , 1998, 281, 825-829.   |      | 209       |
| 14 | Circadian clocks — the fall and rise of physiology. Nature Reviews Molecular Cell Biology, 2005, 6,<br>965-971.   | 37.0 | 171       |
| 15 | The Network of Time: Understanding the Molecular Circadian System. Current Biology, 2003, 13, R198-R207.  | 3.9  | 152       |
| 16 | The circadian cycle: daily rhythms from behaviour to genes. EMBO Reports, 2005, 6, 930-935.   | 4.5  | 150       |
| 17 | CLOCK Gene Variants Associate with Sleep Duration in Two Independent Populations. Biological Psychiatry, 2010, 67, 1040-1047.                               | 1.3  | 128       |
| 18 | Gene expression during zombie ant biting behavior reflects the complexity underlying fungal parasitic behavioral manipulation. BMC Genomics, 2015, 16, 620. | 2.8  | 107       |

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|----|--|------|-----------|
| 19 | Molecular Circadian Oscillators: An Alternative Hypothesis. Journal of Biological Rhythms, 1998, 13,<br>167-179.   | 2.6  | 101       |
| 20 | Circadian Systems and Metabolism. Journal of Biological Rhythms, 1999, 14, 449-459.  | 2.6  | 92        |
| 21 | Demasking biological oscillators: Properties and principles of entrainment exemplified by the<br>Neurospora circadian clock. Proceedings of the National Academy of Sciences of the United States of<br>America, 2005, 102, 7742-7747.         | 7.1  | 87        |
| 22 | Timing of Examinations Affects School Performance Differently in Early and Late Chronotypes.<br>Journal of Biological Rhythms, 2015, 30, 53-60.  | 2.6  | 81        |
| 23 | Life before the Clock: Modeling Circadian Evolution. Journal of Biological Rhythms, 2002, 17, 495-505.   | 2.6  | 72        |
| 24 | Genetic and Molecular Characterization of a Cryptochrome from the Filamentous Fungus Neurospora crassa. Eukaryotic Cell, 2010, 9, 738-750.   | 3.4  | 69        |
| 25 | New findings of Neurospora in Europe and comparisons of diversity in temperate climates on continental scales. Mycologia, 2006, 98, 550-559.   | 1.9  | 64        |
| 26 | Entrainment Concepts Revisited. Journal of Biological Rhythms, 2010, 25, 329-339.  | 2.6  | 64        |
| 27 | A circadian clock in <i>Saccharomyces cerevisiae</i> . Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2043-2047.  | 7.1  | 60        |
| 28 | A circadian clock in a nonphotosynthetic prokaryote. Science Advances, 2021, 7, .  | 10.3 | 59        |
| 29 | External Time–Internal Time. Journal of Biological Rhythms, 2002, 17, 107-109.   | 2.6  | 58        |
| 30 | Entrainment Dissociates Transcription and Translation of a Circadian Clock Gene in Neurospora.<br>Current Biology, 2004, 14, 433-438.  | 3.9  | 55        |
| 31 | Circadian regulation of olfaction and an evolutionarily conserved, nontranscriptional marker in<br><i>Caenorhabditis elegans</i> . Proceedings of the National Academy of Sciences of the United States<br>of America, 2012, 109, 20479-20484. | 7.1  | 54        |
| 32 | A Circadian Surface of Entrainment: Varying T, Ï,,, and Photoperiod in <i>Neurospora crassa</i> . Journal of Biological Rhythms, 2010, 25, 318-328.  | 2.6  | 52        |
| 33 | Light reception and circadian behavior in 'blind' and 'clock-less' mutants of Neurospora crassa. EMBO<br>Journal, 2002, 21, 3643-3651.   | 7.8  | 50        |
| 34 | Photoperiodism in Neurospora Crassa. Journal of Biological Rhythms, 2004, 19, 135-143.   | 2.6  | 49        |
| 35 | Time to learn: <scp>H</scp> ow chronotype impacts education. PsyCh Journal, 2017, 6, 263-276.  | 1.1  | 49        |
| 36 | A High-Throughput Method for the Analysis of Larval Developmental Phenotypes in <i>Caenorhabditis elegans</i> . Genetics, 2015, 201, 443-448.  | 2.9  | 48        |

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|----|---|------|-----------|
| 37 | Circadian Clocks. Cell, 2001, 106, 141-143.   | 28.9 | 44        |
| 38 | Biosynthesis of the Third and Fifth Complement Components by Isolated Human Lung Cells. The<br>American Review of Respiratory Disease, 1989, 139, 212-220.  | 2.9  | 43        |
| 39 | Perfect timing: Epigenetic regulation of the circadian clock. FEBS Letters, 2011, 585, 1406-1411.   | 2.8  | 43        |
| 40 | Strategies to decrease social jetlag: Reducing evening blue light advances sleep and melatonin.<br>European Journal of Neuroscience, 2020, 51, 2355-2366.   | 2.6  | 40        |
| 41 | Weekly, seasonal, and chronotypeâ€dependent variation of dimâ€light melatonin onset. Journal of Pineal<br>Research, 2021, 70, e12723.   | 7.4  | 36        |
| 42 | Circadian clocks: Omnes viae Romam ducunt. Current Biology, 2000, 10, R742-R745.  | 3.9  | 34        |
| 43 | Seasonality and Photoperiodism in Fungi. Journal of Biological Rhythms, 2001, 16, 403-414.  | 2.6  | 33        |
| 44 | From Behavior to Mechanisms: An Integrative Approach to the Manipulation by a Parasitic Fungus<br>(Ophiocordyceps unilateralis s.l.) of Its Host Ants (Camponotus spp.). Integrative and Comparative<br>Biology, 2014, 54, 166-176. | 2.0  | 32        |
| 45 | The right place at the right time: regulation of daily timing by phosphorylation. Genes and Development, 2006, 20, 2629-2633.   | 5.9  | 31        |
| 46 | A fungus among us: the Neurospora crassa circadian system. Seminars in Cell and Developmental<br>Biology, 2001, 12, 279-285.  | 5.0  | 30        |
| 47 | "What watch? such much!"* Complexity and evolution of circadian clocks. Cell and Tissue Research, 2002, 309, 3-9.   | 2.9  | 29        |
| 48 | Genetic variants in RBFOX3 are associated with sleep latency. European Journal of Human Genetics, 2016, 24, 1488-1495.  | 2.8  | 27        |
| 49 | Are There Circadian Clocks in Non-Photosynthetic Bacteria?. Biology, 2019, 8, 41.   | 2.8  | 26        |
| 50 | Entrainment of theNeurosporaCircadian Clock. Chronobiology International, 2006, 23, 71-80.  | 2.0  | 24        |
| 51 | Daily rhythms and enrichment patterns in the transcriptome of the behavior-manipulating parasite<br>Ophiocordyceps kimflemingiae. PLoS ONE, 2017, 12, e0187170.   | 2.5  | 24        |
| 52 | Insulin-like growth factor-1 acts as a zeitgeber on hypothalamic circadian clock gene expression via<br>glycogen synthase kinase-31² signaling. Journal of Biological Chemistry, 2018, 293, 17278-17290.                            | 3.4  | 24        |
| 53 | A Timely Call to Arms: COVID-19, the Circadian Clock, and Critical Care. Journal of Biological Rhythms, 2021, 36, 55-70.  | 2.6  | 22        |
| 54 | Regulation of interleukin 6 production in T helper cells. International Immunology, 1990, 2, 1047-1054.   | 4.0  | 21        |

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| 55 | Modeling a Circadian Surface. Journal of Biological Rhythms, 2010, 25, 340-349.   | 2.6 | 21        |
| 56 | Cellular Clocks: Coupled Circadian and Cell Division Cycles. Current Biology, 2004, 14, R25-R26.  | 3.9 | 19        |
| 57 | Prolonged quiescence delays somatic stem cellâ€like divisions in <i>Caenorhabditis elegans</i> and is controlled by insulin signaling. Aging Cell, 2020, 19, e13085.  | 6.7 | 19        |
| 58 | Deviations from temporal scaling support a stage-specific regulation for C. elegans postembryonic development. BMC Biology, 2022, 20, 94.                             | 3.8 | 15        |
| 59 | The circadian cycle: is the whole greater than the sum of its parts?. Trends in Genetics, 2001, 17, 4-7.  | 6.7 | 13        |
| 60 | Principles underlying the complex dynamics of temperature entrainment by a circadian clock. IScience, 2021, 24, 103370.   | 4.1 | 12        |
| 61 | Light Reception: Discovering the Clock-Eye in Mammals. Current Biology, 2002, 12, R163-R165.  | 3.9 | 11        |
| 62 | The green yeast uses its plant-like clock to regulate its animal-like tail: Figure 1 Genes and Development, 2008, 22, 825-831.  | 5.9 | 11        |
| 63 | Lego clocks: building a clock from parts. Genes and Development, 2008, 22, 1422-1426.   | 5.9 | 10        |
| 64 | Social Jetlag and Obesity. Current Biology, 2013, 23, 737.  | 3.9 | 10        |
| 65 | Combining Theoretical and Experimental Approaches to Understand the Circadian Clock.<br>Chronobiology International, 2003, 20, 559-575.                               | 2.0 | 9         |
| 66 | Circadian effects on stroke outcome – Did we not wake up in time for neuroprotection?. Journal of<br>Cerebral Blood Flow and Metabolism, 2021, 41, 684-686.           | 4.3 | 9         |
| 67 | Using Circadian Entrainment to Find Cryptic Clocks. Methods in Enzymology, 2015, 551, 73-93.  | 1.0 | 8         |
| 68 | Macrophage chemotaxis in anti-tubular basement membrane-induced interstitial nephritis in guinea<br>pigs. Clinical Immunology and Immunopathology, 1985, 36, 243-248. | 2.0 | 7         |
| 69 | Circadian Clock: Time for a Phase Shift of Ideas?. Current Biology, 2007, 17, R636-R638.  | 3.9 | 7         |
| 70 | Circadian Clocks: Translation Lost. Current Biology, 2005, 15, R470-R473.   | 3.9 | 6         |
| 71 | Circadian rhythms. FEBS Letters, 2011, 585, 1383-1383.  | 2.8 | 6         |
| 72 | Preface. Progress in Brain Research, 2012, 199, xi-xii.   | 1.4 | 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.  | 1.4  | 5         |
| 74 | Circadian Clocks: Evolution in the Shadows. Current Biology, 2009, 19, R1042-R1045.   | 3.9  | 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.           | 2.5  | 5         |
| 76 | Weekly and seasonal variation in the circadian melatonin rhythm in humans: a response. Journal of<br>Pineal Research, 2021, , e12777.                                     | 7.4  | 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. | 1.1  | 4         |
| 78 | Enhanced Phenotyping of Complex Traits with a Circadian Clock Model. Methods in Enzymology, 2005, 393, 251-265.   | 1.0  | 3         |
| 79 | Finding time: A daily clock in yeast. Cell Cycle, 2010, 9, 1671-1672.   | 2.6  | 3         |
| 80 | Tardiness Increases in Winter: Evidence for Annual Rhythms in Humans. Journal of Biological<br>Rhythms, 2019, 34, 672-679.  | 2.6  | 3         |
| 81 | A functional context for heterogeneity of the circadian clock in cells. PLoS Biology, 2020, 18, e3000927.   | 5.6  | 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.                           | 2.6  | 1         |
| 83 | A Unified Model for Entrainment by Circadian Clocks: Dynamic Circadian Integrated Response<br>Characteristic (dCiRC). Journal of Biological Rhythms, 2022, 37, 202-215.   | 2.6  | 1         |
| 84 | Cellular clocks: Circadian rhythms in primary human fibroblasts. Journal of Biosciences, 2005, 30, 553-555.   | 1.1  | 0         |
| 85 | Journal club. Nature, 2010, 467, 135-135.   | 27.8 | 0         |