

# Diane B Boivin

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61  
papers

3,219  
citations

30  
h-index

56  
g-index

63  
ext. papers

3,740  
ext. citations

4.1  
avg, IF

5.46  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 61 | Dose-response relationships for resetting of human circadian clock by light. <i>Nature</i> , <b>1996</b> , 379, 540-2  | 50.4 | 458       |
| 60 | Circadian clock genes oscillate in human peripheral blood mononuclear cells. <i>Blood</i> , <b>2003</b> , 102, 4143-5  | 2.2  | 267       |
| 59 | Sleep, Hormones, and Circadian Rhythms throughout the Menstrual Cycle in Healthy Women and Women with Premenstrual Dysphoric Disorder. <i>International Journal of Endocrinology</i> , <b>2010</b> , 2010, 2593457 | 2.7  | 204       |
| 58 | Circadian adaptation to night-shift work by judicious light and darkness exposure. <i>Journal of Biological Rhythms</i> , <b>2002</b> , 17, 556-67   | 3.2  | 148       |
| 57 | Working on atypical schedules. <i>Sleep Medicine</i> , <b>2007</b> , 8, 578-89   | 4.6  | 147       |
| 56 | The role of circadian clock genes in mental disorders. <i>Dialogues in Clinical Neuroscience</i> , <b>2007</b> , 9, 333-42   | 5.7  | 131       |
| 55 | Circadian clock gene expression in brain regions of Alzheimer's disease patients and control subjects. <i>Journal of Biological Rhythms</i> , <b>2011</b> , 26, 160-70   | 3.2  | 113       |
| 54 | Circadian variation of heart rate variability across sleep stages. <i>Sleep</i> , <b>2013</b> , 36, 1919-28  | 1.1  | 101       |
| 53 | Circadian rhythms of melatonin, cortisol, and clock gene expression during simulated night shift work. <i>Sleep</i> , <b>2007</b> , 30, 1427-36  | 1.1  | 98        |
| 52 | From circadian clock gene expression to pathologies. <i>Sleep Medicine</i> , <b>2007</b> , 8, 547-56   | 4.6  | 92        |
| 51 | Amplitude reduction and phase shifts of melatonin, cortisol and other circadian rhythms after a gradual advance of sleep and light exposure in humans. <i>PLoS ONE</i> , <b>2012</b> , 7, e30037                   | 3.7  | 88        |
| 50 | Simulated Night Shift Disrupts Circadian Rhythms of Immune Functions in Humans. <i>Journal of Immunology</i> , <b>2016</b> , 196, 2466-75  | 5.3  | 82        |
| 49 | Dynamic resetting of the human circadian pacemaker by intermittent bright light. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2000</b> , 279, R1574-9            | 3.2  | 82        |
| 48 | Glucocorticoids entrain molecular clock components in human peripheral cells. <i>FASEB Journal</i> , <b>2015</b> , 29, 1360-70   | 0.9  | 76        |
| 47 | Circadian variation of sleep during the follicular and luteal phases of the menstrual cycle. <i>Sleep</i> , <b>2010</b> , 33, 647-56   | 1.1  | 75        |
| 46 | Sensitivity of the human circadian pacemaker to moderately bright light. <i>Journal of Biological Rhythms</i> , <b>1994</b> , 9, 315-31  | 3.2  | 71        |
| 45 | A circadian rhythm in heart rate variability contributes to the increased cardiac sympathovagal response to awakening in the morning. <i>Chronobiology International</i> , <b>2012</b> , 29, 757-68                | 3.6  | 70        |

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|----|---|------|----|
| 44 | Circadian adaptation to night shift work influences sleep, performance, mood and the autonomic modulation of the heart. <i>PLoS ONE</i> , <b>2013</b> , 8, e70813   | 3.7  | 68 |
| 43 | Expression of clock genes in human peripheral blood mononuclear cells throughout the sleep/wake and circadian cycles. <i>Chronobiology International</i> , <b>2007</b> , 24, 1009-34  | 3.6  | 62 |
| 42 | Light treatment and circadian adaptation to shift work. <i>Industrial Health</i> , <b>2005</b> , 43, 34-48  | 2.5  | 59 |
| 41 | Simulated night shift work induces circadian misalignment of the human peripheral blood mononuclear cell transcriptome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 5540-5545 | 11.5 | 58 |
| 40 | Metabolic and cardiovascular consequences of shift work: The role of circadian disruption and sleep disturbances. <i>European Journal of Neuroscience</i> , <b>2020</b> , 51, 396-412   | 3.5  | 57 |
| 39 | Photic resetting in night-shift work: impact on nurses' sleep. <i>Chronobiology International</i> , <b>2012</b> , 29, 619-286   |      | 48 |
| 38 | Diurnal and circadian variation of sleep and alertness in men vs. naturally cycling women. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 10980-5                                | 11.5 | 39 |
| 37 | Phase-dependent effect of room light exposure in a 5-h advance of the sleep-wake cycle: implications for jet lag. <i>Journal of Biological Rhythms</i> , <b>2002</b> , 17, 266-76   | 3.2  | 39 |
| 36 | Controlled exposure to light and darkness realigns the salivary cortisol rhythm in night shift workers. <i>Chronobiology International</i> , <b>2004</b> , 21, 961-72   | 3.6  | 38 |
| 35 | Nocturnal polysomnographic sleep across the menstrual cycle in premenstrual dysphoric disorder. <i>Sleep Medicine</i> , <b>2012</b> , 13, 1071-8  | 4.6  | 35 |
| 34 | Phototherapy and orange-tinted goggles for night-shift adaptation of police officers on patrol. <i>Chronobiology International</i> , <b>2012</b> , 29, 629-40   | 3.6  | 35 |
| 33 | Individual metabolomic signatures of circadian misalignment during simulated night shifts in humans. <i>PLoS Biology</i> , <b>2019</b> , 17, e3000303   | 9.7  | 32 |
| 32 | A Review of Human Physiological Responses to Light: Implications for the Development of Integrative Lighting Solutions. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 1-28                                   | 3.5  | 32 |
| 31 | Rapid resetting of human peripheral clocks by phototherapy during simulated night shift work. <i>Scientific Reports</i> , <b>2017</b> , 7, 16310  | 4.9  | 29 |
| 30 | Working Time Society consensus statements: Individual differences in shift work tolerance and recommendations for research and practice. <i>Industrial Health</i> , <b>2019</b> , 57, 201-212   | 2.5  | 28 |
| 29 | Pilot investigation of the circadian plasma melatonin rhythm across the menstrual cycle in a small group of women with premenstrual dysphoric disorder. <i>PLoS ONE</i> , <b>2012</b> , 7, e51929   | 3.7  | 24 |
| 28 | Disruption of central and peripheral circadian clocks in police officers working at night. <i>FASEB Journal</i> , <b>2019</b> , 33, 6789-6800   | 0.9  | 23 |
| 27 | Predominance of distal skin temperature changes at sleep onset across menstrual and circadian phases. <i>Journal of Biological Rhythms</i> , <b>2011</b> , 26, 260-70   | 3.2  | 21 |

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|----|---|-----|----|
| 26 | Association between delayed sleep phase and hypernyctohemeral syndromes: a case study. <i>Sleep</i> , <b>2004</b> , 27, 417-21  | 1.1 | 20 |
| 25 | Skin Temperature Rhythms in Humans Respond to Changes in the Timing of Sleep and Light. <i>Journal of Biological Rhythms</i> , <b>2017</b> , 32, 257-273  | 3.2 | 19 |
| 24 | Impact of Shift Work on the Circadian Timing System and Health in Women. <i>Sleep Medicine Clinics</i> , <b>2018</b> , 13, 295-306  | 3.6 | 19 |
| 23 | Model-based human circadian phase estimation using a particle filter. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2011</b> , 58, 1325-36  | 5   | 16 |
| 22 | Effects of Shift Work on the Eating Behavior of Police Officers on Patrol. <i>Nutrients</i> , <b>2020</b> , 12,   | 6.7 | 15 |
| 21 | Circadian Rhythms and Shift Working Women. <i>Sleep Medicine Clinics</i> , <b>2008</b> , 3, 13-24   | 3.6 | 15 |
| 20 | The Phase-Shifting Effect of Bright Light Exposure on Circadian Rhythmicity in the Human Transcriptome. <i>Journal of Biological Rhythms</i> , <b>2019</b> , 34, 84-97  | 3.2 | 14 |
| 19 | Enhanced automated sleep spindle detection algorithm based on synchrosqueezing. <i>Medical and Biological Engineering and Computing</i> , <b>2015</b> , 53, 635-44  | 3.1 | 11 |
| 18 | Improved spindle detection through intuitive pre-processing of electroencephalogram. <i>Journal of Neuroscience Methods</i> , <b>2014</b> , 233, 1-12   | 3   | 11 |
| 17 | Disturbance of the Circadian System in Shift Work and Its Health Impact.. <i>Journal of Biological Rhythms</i> , <b>2021</b> , 7487304211064218   | 3.2 | 9  |
| 16 | The relationship between chronotype and sleep behavior during rotating shift work: a field study. <i>Sleep</i> , <b>2021</b> , 44,  | 1.1 | 7  |
| 15 | Psychiatric and medical disorders 351-364   |     | 4  |
| 14 | Alertness and psychomotor performance levels of marine pilots on an irregular work roster. <i>Chronobiology International</i> , <b>2018</b> , 35, 773-784   | 3.6 | 4  |
| 13 | Guiding Principles For Determining Work Shift Duration And Addressing The Effects Of Work Shift Duration On Performance, Safety, And Health. <i>Sleep</i> , <b>2021</b> ,   | 1.1 | 4  |
| 12 | Dopamine and light: effects on facial emotion recognition. <i>Journal of Psychopharmacology</i> , <b>2017</b> , 31, 1225-1233   | 4.6 | 3  |
| 11 | Sleep-wake and circadian-dependent variation of cardiorespiratory coherence. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2012</b> , 2012, 3817-20  | 0.9 | 3  |
| 10 | Guiding principles for determining work shift duration and addressing the effects of work shift duration on performance, safety, and health: guidance from the American Academy of Sleep Medicine and the Sleep Research Society. <i>Journal of Clinical Sleep Medicine</i> , <b>2021</b> , | 3.1 | 3  |
| 9  | Basic Circadian Timing and Sleep-Wake Regulation <b>2017</b> , 79-102   |     | 2  |

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|---|--|-----|---|
| 8 | Circadian variation of sleep and periodic leg movements in a bipolar man. <i>Sleep Medicine</i> , <b>2009</b> , 10, 935-64.6   |     | 2 |
| 7 | Effects of exogenous melatonin on sleep and circadian rhythms in women with premenstrual dysphoric disorder. <i>Sleep</i> , <b>2021</b> , 44,  | 1.1 | 2 |
| 6 | Intermittent exposure to bright light in field conditions. <i>Aviation, Space, and Environmental Medicine</i> , <b>2004</b> , 75, A158-60  |     | 2 |
| 5 | Identification of scalp EEG circadian variation using a novel correlation sum measure. <i>Journal of Neural Engineering</i> , <b>2015</b> , 12, 056004   | 5   | 1 |
| 4 | Circadian variation of scalp EEG: a novel measure based on wavelet packet transform and differential entropy. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2013</b> , 2013, 6297-300 | 0.9 | 1 |
| 3 | Treating delayed sleep-wake phase disorder in young adults. <i>Journal of Psychiatry and Neuroscience</i> , <b>2017</b> , 42, E9-E10   | 4.5 | 1 |
| 2 | 0136 The Effect of Shift Type on Sleep before, during, and after Work in Rotating Shift Workers. <i>Sleep</i> , <b>2019</b> , 42, A56-A56  | 1.1 |   |
| 1 | Comment réduire les effets négatifs du travail de nuit sur la santé et la performance?. <i>Gestion: Revue Internationale De Gestion</i> , <b>2010</b> , 35, 47   | 0   |   |