

Diane B Boivin

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

4,230
citations

117571

34
h-index

149623

56
g-index

63
all docs

63
docs citations

63
times ranked

4484
citing authors

#	ARTICLE	IF	CITATIONS
1	Dose-response relationships for resetting of human circadian clock by light. <i>Nature</i> , 1996, 379, 540-542.	13.7	529
2	Circadian clock genes oscillate in human peripheral blood mononuclear cells. <i>Blood</i> , 2003, 102, 4143-4145.	0.6	292
3	Sleep, Hormones, and Circadian Rhythms throughout the Menstrual Cycle in Healthy Women and Women with Premenstrual Dysphoric Disorder. <i>International Journal of Endocrinology</i> , 2010, 2010, 1-17.	0.6	232
4	Circadian Adaptation to Night-Shift Work by Judicious Light and Darkness Exposure. <i>Journal of Biological Rhythms</i> , 2002, 17, 556-567.	1.4	175
5	The role of circadian clock genes in mental disorders. <i>Dialogues in Clinical Neuroscience</i> , 2007, 9, 333-342.	1.8	171
6	Working on atypical schedules. <i>Sleep Medicine</i> , 2007, 8, 578-589.	0.8	169
7	Circadian Variation of Heart Rate Variability Across Sleep Stages. <i>Sleep</i> , 2013, 36, 1919-1928.	0.6	150
8	Circadian Clock Gene Expression in Brain Regions of Alzheimer's Disease Patients and Control Subjects. <i>Journal of Biological Rhythms</i> , 2011, 26, 160-170.	1.4	140
9	Metabolic and cardiovascular consequences of shift work: The role of circadian disruption and sleep disturbances. <i>European Journal of Neuroscience</i> , 2020, 51, 396-412.	1.2	122
10	Circadian Rhythms of Melatonin, Cortisol, and Clock Gene Expression During Simulated Night Shift Work. <i>Sleep</i> , 2007, 30, 1427-1436.	0.6	113
11	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> , 2012, 7, e30037.	1.1	113
12	Simulated Night Shift Disrupts Circadian Rhythms of Immune Functions in Humans. <i>Journal of Immunology</i> , 2016, 196, 2466-2475.	0.4	103
13	From circadian clock gene expression to pathologies. <i>Sleep Medicine</i> , 2007, 8, 547-556.	0.8	101
14	Dynamic resetting of the human circadian pacemaker by intermittent bright light. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000, 279, R1574-R1579.	0.9	99
15	Glucocorticoids entrain molecular clock components in human peripheral cells. <i>FASEB Journal</i> , 2015, 29, 1360-1370.	0.2	99
16	Circadian Variation of Sleep During the Follicular and Luteal Phases of the Menstrual Cycle. <i>Sleep</i> , 2010, 33, 647-656.	0.6	96
17	A Circadian Rhythm in Heart Rate Variability Contributes to the Increased Cardiac Sympathovagal Response to Awakening in the Morning. <i>Chronobiology International</i> , 2012, 29, 757-768.	0.9	96
18	Circadian Adaptation to Night Shift Work Influences Sleep, Performance, Mood and the Autonomic Modulation of the Heart. <i>PLoS ONE</i> , 2013, 8, e70813.	1.1	94

#	ARTICLE	IF	CITATIONS
19	Disturbance of the Circadian System in Shift Work and Its Health Impact. <i>Journal of Biological Rhythms</i> , 2022, 37, 3-28.	1.4	89
20	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> , 2018, 115, 5540-5545.	3.3	86
21	Sensitivity of the Human Circadian Pacemaker to Moderately Bright Light. <i>Journal of Biological Rhythms</i> , 1994, 9, 315-331.	1.4	77
22	Light Treatment and Circadian Adaptation to Shift Work. <i>Industrial Health</i> , 2005, 43, 34-48.	0.4	71
23	Expression of Clock Genes in Human Peripheral Blood Mononuclear Cells throughout the Sleep/Wake and Circadian Cycles. <i>Chronobiology International</i> , 2007, 24, 1009-1034.	0.9	71
24	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> , 2022, 18, 387-414.	1.5	69
25	Photic Resetting in Night-Shift Work: Impact on Nurses' Sleep. <i>Chronobiology International</i> , 2012, 29, 619-628.	0.9	64
26	Individual metabolomic signatures of circadian misalignment during simulated night shifts in humans. <i>PLoS Biology</i> , 2019, 17, e3000303.	2.6	58
27	Working Time Society consensus statements: Individual differences in shift work tolerance and recommendations for research and practice. <i>Industrial Health</i> , 2019, 57, 201-212.	0.4	55
28	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> , 2016, 113, 10980-10985.	3.3	53
29	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> , 2002, 17, 266-276.	1.4	49
30	Nocturnal polysomnographic sleep across the menstrual cycle in premenstrual dysphoric disorder. <i>Sleep Medicine</i> , 2012, 13, 1071-1078.	0.8	49
31	Phototherapy and Orange-Tinted Goggles for Night-Shift Adaptation of Police Officers on Patrol. <i>Chronobiology International</i> , 2012, 29, 629-640.	0.9	43
32	Controlled Exposure to Light and Darkness Realigns the Salivary Cortisol Rhythm in Night Shift Workers. <i>Chronobiology International</i> , 2004, 21, 961-972.	0.9	42
33	Effects of Shift Work on the Eating Behavior of Police Officers on Patrol. <i>Nutrients</i> , 2020, 12, 999.	1.7	42
34	Rapid resetting of human peripheral clocks by phototherapy during simulated night shift work. <i>Scientific Reports</i> , 2017, 7, 16310.	1.6	35
35	Impact of Shift Work on the Circadian Timing System and Health in Women. <i>Sleep Medicine Clinics</i> , 2018, 13, 295-306.	1.2	34
36	Skin Temperature Rhythms in Humans Respond to Changes in the Timing of Sleep and Light. <i>Journal of Biological Rhythms</i> , 2017, 32, 257-273.	1.4	33

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37	Disruption of central and peripheral circadian clocks in police officers working at night. <i>FASEB Journal</i> , 2019, 33, 6789-6800.	0.2	32
38	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> , 2012, 7, e51929.	1.1	30
39	Predominance of Distal Skin Temperature Changes at Sleep Onset across Menstrual and Circadian Phases. <i>Journal of Biological Rhythms</i> , 2011, 26, 260-270.	1.4	29
40	The Phase-Shifting Effect of Bright Light Exposure on Circadian Rhythmicity in the Human Transcriptome. <i>Journal of Biological Rhythms</i> , 2019, 34, 84-97.	1.4	23
41	Association between Delayed Sleep Phase and Hypernyctohemeral Syndromes: a Case Study. <i>Sleep</i> , 2004, 27, 417-421.	0.6	22
42	Model-Based Human Circadian Phase Estimation Using a Particle Filter. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 1325-1336.	2.5	22
43	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>Sleep</i> , 2021, 44, .	0.6	21
44	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> , 2021, 17, 2283-2306.	1.4	21
45	Circadian Rhythms and Shift Working Women. <i>Sleep Medicine Clinics</i> , 2008, 3, 13-24.	1.2	19
46	Enhanced automated sleep spindle detection algorithm based on synchrosqueezing. <i>Medical and Biological Engineering and Computing</i> , 2015, 53, 635-644.	1.6	16
47	The relationship between chronotype and sleep behavior during rotating shift work: a field study. <i>Sleep</i> , 2021, 44, .	0.6	15
48	Improved spindle detection through intuitive pre-processing of electroencephalogram. <i>Journal of Neuroscience Methods</i> , 2014, 233, 1-12.	1.3	14
49	Alertness and psychomotor performance levels of marine pilots on an irregular work roster. <i>Chronobiology International</i> , 2018, 35, 773-784.	0.9	11
50	Effects of exogenous melatonin on sleep and circadian rhythms in women with premenstrual dysphoric disorder. <i>Sleep</i> , 2021, 44, .	0.6	8
51	Sleep of Healthcare Workers During the COVID-19 Pandemic and the Role of Atypical Work Schedules: A Scoping Review. <i>Journal of Biological Rhythms</i> , 2022, 37, 358-384.	1.4	8
52	Dopamine and light: effects on facial emotion recognition. <i>Journal of Psychopharmacology</i> , 2017, 31, 1225-1233.	2.0	5
53	Circadian variation of sleep and periodic leg movements in a bipolar man. <i>Sleep Medicine</i> , 2009, 10, 935-936.	0.8	3
54	Sleep-wake and circadian-dependent variation of cardiorespiratory coherence. , 2012, 2012, 3817-20.		3

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55	Circadian variation of scalp EEG: A novel measure based on wavelet packet transform and differential entropy. , 2013, 2013, 6297-300.		3
56	Basic Circadian Timing and Sleep-Wake Regulation. , 2017, , 79-102.		2
57	Treating delayed sleepâ€“wake phase disorder in young adults. Journal of Psychiatry and Neuroscience, 2017, 42, E9-E10.	1.4	2
58	Intermittent exposure to bright light in field conditions. Aviation, Space, and Environmental Medicine, 2004, 75, A158-60.	0.6	2
59	Identification of scalp EEG circadian variation using a novel correlation sum measure. Journal of Neural Engineering, 2015, 12, 056004.	1.8	1
60	0136 The Effect of Shift Type on Sleep before, during, and after Work in Rotating Shift Workers. Sleep, 2019, 42, A56-A56.	0.6	0
61	Light and melatonin treatment for shift work. , 2021, , .		0