

Laura K Barger

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

8,422
citations

117625

34
h-index

74163

75
g-index

88
all docs

88
docs citations

88
times ranked

9541
citing authors

#	ARTICLE	IF	CITATIONS
1	Mental Health, Substance Use, and Suicidal Ideation During the COVID-19 Pandemic â€” United States, June 24â€“30, 2020. Morbidity and Mortality Weekly Report, 2020, 69, 1049-1057.	15.1	1,964
2	Rates of medication errors among depressed and burnt out residents: prospective cohort study. BMJ: British Medical Journal, 2008, 336, 488-491.	2.3	945
3	Extended Work Shifts and the Risk of Motor Vehicle Crashes among Interns. New England Journal of Medicine, 2005, 352, 125-134.	27.0	808
4	Impact of Extended-Duration Shifts on Medical Errors, Adverse Events, and Attentional Failures. PLoS Medicine, 2006, 3, e487.	8.4	379
5	Extended Work Duration and the Risk of Self-reported Percutaneous Injuries in Interns. JAMA - Journal of the American Medical Association, 2006, 296, 1055.	7.4	329
6	Irregular sleep/wake patterns are associated with poorer academic performance and delayed circadian and sleep/wake timing. Scientific Reports, 2017, 7, 3216.	3.3	325
7	Sleep Disorders, Health, and Safety in Police Officers. JAMA - Journal of the American Medical Association, 2011, 306, 2567.	7.4	305
8	Later circadian timing of food intake is associated with increased body fat. American Journal of Clinical Nutrition, 2017, 106, 1213-1219.	4.7	280
9	Identifying Objective Physiological Markers and Modifiable Behaviors for Self-Reported Stress and Mental Health Status Using Wearable Sensors and Mobile Phones: Observational Study. Journal of Medical Internet Research, 2018, 20, e210.	4.3	230
10	Public Attitudes, Behaviors, and Beliefs Related to COVID-19, Stay-at-Home Orders, Nonessential Business Closures, and Public Health Guidance â€” United States, New York City, and Los Angeles, May 5â€“12, 2020. Morbidity and Mortality Weekly Report, 2020, 69, 751-758.	15.1	217
11	Prevalence of sleep deficiency and use of hypnotic drugs in astronauts before, during, and after spaceflight: an observational study. Lancet Neurology, The, 2014, 13, 904-912.	10.2	198
12	Effects of the Accreditation Council for Graduate Medical Education Duty Hour Limits on Sleep, Work Hours, and Safety. Pediatrics, 2008, 122, 250-258.	2.1	175
13	Daily exercise facilitates phase delays of circadian melatonin rhythm in very dim light. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 286, R1077-R1084.	1.8	160
14	Neurobehavioral, health, and safety consequences associated with shift work in safety-sensitive professions. Current Neurology and Neuroscience Reports, 2009, 9, 155-164.	4.2	141
15	Interns' Compliance With Accreditation Council for Graduate Medical Education Work-Hour Limits. JAMA - Journal of the American Medical Association, 2006, 296, 1063.	7.4	130
16	Common Sleep Disorders Increase Risk of Motor Vehicle Crashes and Adverse Health Outcomes in Firefighters. Journal of Clinical Sleep Medicine, 2015, 11, 233-240.	2.6	114
17	Circadian misalignment affects sleep and medication use before and during spaceflight. Npj Microgravity, 2016, 2, 15019.	3.7	100
18	Sleep disorders, depression and anxiety are associated with adverse safety outcomes in healthcare workers: A prospective cohort study. Journal of Sleep Research, 2018, 27, e12722.	3.2	98

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19	Validation of a Questionnaire to Screen for Shift Work Disorder. <i>Sleep</i> , 2012, 35, 1693-1703.	1.1	85
20	Mental health, substance use, and suicidal ideation during a prolonged COVID-19-related lockdown in a region with low SARS-CoV-2 prevalence. <i>Journal of Psychiatric Research</i> , 2021, 140, 533-544.	3.1	78
21	Effects of Napping During Shift Work on Sleepiness and Performance in Emergency Medical Services Personnel and Similar Shift Workers: A Systematic Review and Meta-Analysis. <i>Prehospital Emergency Care</i> , 2018, 22, 47-57.	1.8	63
22	Effect of Fatigue Training on Safety, Fatigue, and Sleep in Emergency Medical Services Personnel and Other Shift Workers: A Systematic Review and Meta-Analysis. <i>Prehospital Emergency Care</i> , 2018, 22, 58-68.	1.8	58
23	A novel sleep optimisation programme to improve athletes' well-being and performance. <i>European Journal of Sport Science</i> , 2017, 17, 144-151.	2.7	57
24	Irregular sleep and event schedules are associated with poorer self-reported well-being in US college students. <i>Sleep</i> , 2020, 43, .	1.1	57
25	Associations between sleep disturbances, mental health outcomes and burnout in firefighters, and the mediating role of sleep during overnight work: A cross-sectional study. <i>Journal of Sleep Research</i> , 2019, 28, e12869.	3.2	56
26	Associations between shift work characteristics, shift work schedules, sleep and burnout in North American police officers: a cross-sectional study. <i>BMJ Open</i> , 2019, 9, e030302.	1.9	56
27	Effect on Patient Safety of a Resident Physician Schedule without 24-Hour Shifts. <i>New England Journal of Medicine</i> , 2020, 382, 2514-2523.	27.0	55
28	Randomized, Prospective Study of the Impact of a Sleep Health Program on Firefighter Injury and Disability. <i>Sleep</i> , 2017, 40, .	1.1	54
29	Sleep-deprived motor vehicle operators are unfit to drive: a multidisciplinary expert consensus statement on drowsy driving. <i>Sleep Health</i> , 2016, 2, 94-99.	2.5	50
30	Short Sleep Duration, Obstructive Sleep Apnea, Shiftwork, and the Risk of Adverse Cardiovascular Events in Patients After an Acute Coronary Syndrome. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	46
31	Examining sleep deficiency and disturbance and their risk for incident dementia and all-cause mortality in older adults across 5 years in the United States. <i>Aging</i> , 2021, 13, 3254-3268.	3.1	45
32	The development of lighting countermeasures for sleep disruption and circadian misalignment during spaceflight. <i>Current Opinion in Pulmonary Medicine</i> , 2016, 22, 535-544.	2.6	41
33	Caloric and Macronutrient Intake Differ with Circadian Phase and between Lean and Overweight Young Adults. <i>Nutrients</i> , 2019, 11, 587.	4.1	40
34	The Association Between Resident Physician Work-Hour Regulations and Physician Safety and Health. <i>American Journal of Medicine</i> , 2020, 133, e343-e354.	1.5	40
35	Early public adherence with and support for stay-at-home COVID-19 mitigation strategies despite adverse life impact: a transnational cross-sectional survey study in the United States and Australia. <i>BMC Public Health</i> , 2021, 21, 503.	2.9	38
36	Estimated Sleep Duration Before and During the COVID-19 Pandemic in Major Metropolitan Areas on Different Continents: Observational Study of Smartphone App Data. <i>Journal of Medical Internet Research</i> , 2021, 23, e20546.	4.3	37

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37	Learning to Live on a Mars Day: Fatigue Countermeasures during the Phoenix Mars Lander Mission. <i>Sleep</i> , 2012, 35, 1423-35.	1.1	36
38	Dose-Dependent Associations Between Sleep Duration and Unsafe Behaviors Among US High School Students. <i>JAMA Pediatrics</i> , 2018, 172, 1187.	6.2	36
39	Mental Health Among Parents of Children Aged <18 Years and Unpaid Caregivers of Adults During the COVID-19 Pandemic â€” United States, December 2020 and Februaryâ€”March 2021. <i>Morbidity and Mortality Weekly Report</i> , 2021, 70, 879-887.	15.1	36
40	Delay or avoidance of routine, urgent and emergency medical care due to concerns about COVID-19 in a region with low COVID-19 prevalence: Victoria, Australia. <i>Respirology</i> , 2021, 26, 707-712.	2.3	31
41	Association of Sleep Disorders With Physician Burnout. <i>JAMA Network Open</i> , 2020, 3, e2023256.	5.9	24
42	Implementing a Sleep Health Education and Sleep Disorders Screening Program in Fire Departments. <i>Journal of Occupational and Environmental Medicine</i> , 2016, 58, 601-609.	1.7	23
43	Effects on resident work hours, sleep duration, and work experience in a randomized order safety trial evaluating resident-physician schedules (ROSTERS). <i>Sleep</i> , 2019, 42, .	1.1	22
44	Associations Between Changes in Daily Behaviors and Self-Reported Feelings of Depression and Anxiety About the COVID-19 Pandemic Among Older Adults. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2022, 77, e150-e159.	3.9	22
45	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, .	1.1	21
46	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.	2.6	21
47	Employee Sleep Enhancement and Fatigue Reduction Programs: Analysis of the 2017 CDC Workplace Health in America Poll. <i>American Journal of Health Promotion</i> , 2021, 35, 503-513.	1.7	20
48	Cross-sectional analysis of sleep-promoting and wake-promoting drug use on health, fatigue-related error, and near-crashes in police officers. <i>BMJ Open</i> , 2018, 8, e022041.	1.9	19
49	Robust stability of melatonin circadian phase, sleep metrics, and chronotype across months in young adults living in real-world settings. <i>Journal of Pineal Research</i> , 2021, 70, e12720.	7.4	19
50	Sleep and cognitive function of crewmembers and mission controllers working 24-h shifts during a simulated 105-day spaceflight mission. <i>Acta Astronautica</i> , 2014, 93, 230-242.	3.2	18
51	Evidence-Based Guidelines for Fatigue Risk Management in EMS: Formulating Research Questions and Selecting Outcomes. <i>Prehospital Emergency Care</i> , 2017, 21, 149-156.	1.8	18
52	Extended Work Shifts and Neurobehavioral Performance in Resident-Physicians. <i>Pediatrics</i> , 2021, 147, .	2.1	18
53	Sleep difficulties, incident dementia and all-cause mortality among older adults across 8Â½years: Findings from the National Health and Aging Trends Study. <i>Journal of Sleep Research</i> , 2021, 30, e13395.	3.2	18
54	Exposure to Short Wavelength-Enriched White Light and Exercise Improves Alertness and Performance in Operational NASA Flight Controllers Working Overnight Shifts. <i>Journal of Occupational and Environmental Medicine</i> , 2021, 63, 111-118.	1.7	18

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55	Interns'™ perspectives on impacts of the COVID-19 pandemic on the medical school to residency transition. BMC Medical Education, 2021, 21, 330.	2.4	14
56	Multimodal ambulatory sleep detection. , 2017, 2017, 465-468.		13
57	National improvements in resident physician-reported patient safety after limiting first-year resident physicians'™ extended duration work shifts: a pooled analysis of prospective cohort studies. BMJ Quality and Safety, 2023, 32, 81-89.	3.7	12
58	Design and recruitment of the randomized order safety trial evaluating resident-physician schedules (ROSTERS) study. Contemporary Clinical Trials, 2019, 80, 22-33.	1.8	10
59	Gender differences in the circadian rhythms of rhesus monkeys. Physiology and Behavior, 2010, 101, 595-600.	2.1	9
60	Using a Single Daytime Performance Test to Identify Most Individuals at High-Risk for Performance Impairment during Extended Wake. Scientific Reports, 2019, 9, 16681.	3.3	9
61	A classification approach to estimating human circadian phase under circadian alignment from actigraphy and photometry data. Journal of Pineal Research, 2021, 71, e12745.	7.4	9
62	0996 Interim Findings from a Sleep Health and Wellness Program to Reduce Occupational Burnout. Sleep, 2019, 42, A401-A401.	1.1	8
63	Dynamic lighting schedules to facilitate circadian adaptation to shifted timing of sleep and wake. Journal of Pineal Research, 2022, 73, .	7.4	6
64	Research priorities to reduce risks from work hours and fatigue in the healthcare and social assistance sector. American Journal of Industrial Medicine, 2022, 65, 867-877.	2.1	6
65	Classifying performance impairment in response to sleep loss using pattern recognition algorithms on single session testing. Accident Analysis and Prevention, 2013, 50, 992-1002.	5.7	5
66	Altered sleep spindles and slow waves during space shuttle missions. Npj Microgravity, 2021, 7, 48.	3.7	5
67	A clinical trial to evaluate the dayzz smartphone app on employee sleep, health, and productivity at a large US employer. PLoS ONE, 2022, 17, e0260828.	2.5	5
68	Association between sleep characteristics, ideal cardiovascular health, and systemic inflammation, NHANES 2017-2018. Journal of Sleep Research, 2022, 31, e13497.	3.2	4
69	0977 Engagement in Collegiate Sleep Health Education: A Matter of Timing. Sleep, 2019, 42, A393-A394.	1.1	3
70	What an Evidence-based Guideline for Fatigue Risk Management Means for Us: Statements From Stakeholders. Prehospital Emergency Care, 2018, 22, 113-118.	1.8	2
71	0995 Schedule Re-design and Patient Safety: the Randomized Order Safety Trial Evaluating Resident-Physician Schedules (ROSTERS). Sleep, 2019, 42, A400-A401.	1.1	2
72	A Movement to Promote Healthy Sleep: The Case for Corporate Involvement. Journal of Clinical Sleep Medicine, 2013, 09, 739-740.	2.6	1

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73	0970 Resident Physician Work Hours Decreased and Sleep Duration Increased Following Elimination of Scheduled Extended Duration Shifts. Sleep, 2019, 42, A390-A391.	1.1	1
74	0971 Methods and Schedule-Related Differences in a Multi-center Trial of Rapidly Cycling versus Extended Duration Work Rosters. Sleep, 2019, 42, A391-A391.	1.1	1
75	0969 Attentional Failures Are Correlated With Serious Medical Errors In Resident Physicians. Sleep, 2019, 42, A390-A390.	1.1	1
76	0633 Prospective Semester-Long Evaluation of College Student Sleep. Sleep, 2019, 42, A252-A252.	1.1	0
77	0146 Model-based Predictions Of Neurobehavioral Performance Of Resident Physicians In A Randomized Order Safety Trial Evaluating Resident-physician Schedules (rosters). Sleep, 2019, 42, A60-A60.	1.1	0
78	299 Limited Time for Sleep in Night Shift Workers is associated with Risk of Insomnia and Shift Work Disorder. Sleep, 2021, 44, A119-A120.	1.1	0
79	0347 Sleep health education and a personalized smartphone application improve sleep and productivity and reduce healthcare utilization among employees: Results of a randomized clinical trial. Sleep, 2022, 45, A156-A156.	1.1	0
80	Later energy intake relative to mathematically modeled circadian time is associated with higher percentage body fat. Obesity, 2023, 31, 50-56.	3.0	0