

Hans P A Van Dongen

List of Publications by Year in descending order

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178
papers

12,517
citations

38742

50
h-index

27406

106
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185
all docs

185
docs citations

185
times ranked

9398
citing authors

#	ARTICLE	IF	CITATIONS
1	The Cumulative Cost of Additional Wakefulness: Dose-Response Effects on Neurobehavioral Functions and Sleep Physiology From Chronic Sleep Restriction and Total Sleep Deprivation. <i>Sleep</i> , 2003, 26, 117-126.	1.1	2,531
2	Systematic interindividual differences in neurobehavioral impairment from sleep loss: evidence of trait-like differential vulnerability. <i>Sleep</i> , 2004, 27, 423-33.	1.1	607
3	Sleep as a fundamental property of neuronal assemblies. <i>Nature Reviews Neuroscience</i> , 2008, 9, 910-919.	10.2	520
4	Soluble TNF- α receptor 1 and IL-6 plasma levels in humans subjected to the sleep deprivation model of spaceflight. <i>Journal of Allergy and Clinical Immunology</i> , 2001, 107, 165-170.	2.9	399
5	Morning-type and evening-type individuals differ in the phase position of their endogenous circadian oscillator. <i>Neuroscience Letters</i> , 1996, 218, 153-156.	2.1	310
6	Individual Differences in Adult Human Sleep and Wakefulness: Leitmotif for a Research Agenda. <i>Sleep</i> , 2005, 28, 479-498.	1.1	298
7	Shift Work: Disrupted Circadian Rhythms and Sleep—Implications for Health and Well-being. <i>Current Sleep Medicine Reports</i> , 2017, 3, 104-112.	1.4	279
8	Neurobehavioral Dynamics Following Chronic Sleep Restriction: Dose-Response Effects of One Night for Recovery. <i>Sleep</i> , 2010, 33, 1013-1026.	1.1	242
9	Effects of Sleep Deprivation on Dissociated Components of Executive Functioning. <i>Sleep</i> , 2010, 33, 47-57.	1.1	236
10	Sleep Loss Reduces Diurnal Rhythm Amplitude of Leptin in Healthy Men. <i>Journal of Neuroendocrinology</i> , 2003, 15, 851-854.	2.6	230
11	Sleep, Circadian Rhythms, and Psychomotor Vigilance. <i>Clinics in Sports Medicine</i> , 2005, 24, 237-249.	1.8	225
12	Subjective sleepiness is a sensitive indicator of insufficient sleep and impaired waking function. <i>Journal of Sleep Research</i> , 2014, 23, 242-254.	3.2	224
13	Caffeine Eliminates Psychomotor Vigilance Deficits from Sleep Inertia. <i>Sleep</i> , 2001, 24, 813-819.	1.1	200
14	Impact of Five Nights of Sleep Restriction on Glucose Metabolism, Leptin and Testosterone in Young Adult Men. <i>PLoS ONE</i> , 2012, 7, e41218.	2.5	182
15	Trait interindividual differences in the sleep physiology of healthy young adults. <i>Journal of Sleep Research</i> , 2007, 16, 170-180.	3.2	180
16	Circadian Rhythm Profiles in Women with Night Eating Syndrome. <i>Journal of Biological Rhythms</i> , 2009, 24, 85-94.	2.6	168
17	Sleep deprivation, vigilant attention, and brain function: a review. <i>Neuropsychopharmacology</i> , 2020, 45, 21-30.	5.4	165
18	Efficient driver drowsiness detection at moderate levels of drowsiness. <i>Accident Analysis and Prevention</i> , 2013, 50, 341-350.	5.7	164

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19	Sleep debt: Theoretical and empirical issues*. <i>Sleep and Biological Rhythms</i> , 2003, 1, 5-13.	1.0	162
20	Diffusion model for one-choice reaction-time tasks and the cognitive effects of sleep deprivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 11285-11290.	7.1	148
21	Shift Work and Inter-individual Differences in Sleep and Sleepiness. <i>Chronobiology International</i> , 2006, 23, 1139-1147.	2.0	146
22	Sleep deprivation affects multiple distinct cognitive processes. <i>Psychonomic Bulletin and Review</i> , 2009, 16, 742-751.	2.8	138
23	Deconstructing and reconstructing cognitive performance in sleep deprivation. <i>Sleep Medicine Reviews</i> , 2013, 17, 215-225.	8.5	134
24	Investigating the interaction between the homeostatic and circadian processes of sleep-wake regulation for the prediction of waking neurobehavioural performance. <i>Journal of Sleep Research</i> , 2003, 12, 181-187.	3.2	132
25	Separation of circadian- and behavior-driven metabolite rhythms in humans provides a window on peripheral oscillators and metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7825-7830.	7.1	129
26	A new mathematical model for the homeostatic effects of sleep loss on neurobehavioral performance. <i>Journal of Theoretical Biology</i> , 2009, 256, 227-239.	1.7	112
27	Mixed-Model Regression Analysis and Dealing with Interindividual Differences. <i>Methods in Enzymology</i> , 2004, 384, 139-171.	1.0	105
28	A Novel <i>BHLHE41</i> Variant is Associated with Short Sleep and Resistance to Sleep Deprivation in Humans. <i>Sleep</i> , 2014, 37, 1327-1336.	1.1	104
29	Dealing with inter-individual differences in the temporal dynamics of fatigue and performance: importance and techniques. <i>Aviation, Space, and Environmental Medicine</i> , 2004, 75, A147-54.	0.5	100
30	Feedback Blunting: Total Sleep Deprivation Impairs Decision Making that Requires Updating Based on Feedback. <i>Sleep</i> , 2015, 38, 745-754.	1.1	97
31	A Procedure of Multiple Period Searching in Unequally Spaced Time-Series with the Lomb-Scargle Method. <i>Biological Rhythm Research</i> , 1999, 30, 149-177.	0.9	94
32	Individual Differences in Vulnerability to Sleep Loss in the Work Environment. <i>Industrial Health</i> , 2009, 47, 518-526.	1.0	93
33	A Local, Bottom-Up Perspective on Sleep Deprivation and Neurobehavioral Performance. <i>Current Topics in Medicinal Chemistry</i> , 2011, 11, 2414-2422.	2.1	93
34	Assessment of circadian function in fibroblasts of patients with bipolar disorder. <i>Molecular Psychiatry</i> , 2009, 14, 143-155.	7.9	89
35	Response surface mapping of neurobehavioral performance: Testing the feasibility of split sleep schedules for space operations. <i>Acta Astronautica</i> , 2008, 63, 833-840.	3.2	86
36	Physiological markers of local sleep. <i>European Journal of Neuroscience</i> , 2009, 29, 1771-1778.	2.6	86

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37	Absence of Endogenous Circadian Rhythmicity in Blood Pressure?. American Journal of Hypertension, 1998, 11, 373-377.	2.0	83
38	Optimization of Biomathematical Model Predictions for Cognitive Performance Impairment in Individuals: Accounting for Unknown Traits and Uncertain States in Homeostatic and Circadian Processes. Sleep, 2007, 30, 1129-1143.	1.1	76
39	Time of Day Effects on Neurobehavioral Performance During Chronic Sleep Restriction. Aviation, Space, and Environmental Medicine, 2010, 81, 735-744.	0.5	75
40	Altered Circadian Rhythmicity in Patients in the ICU. Chest, 2013, 144, 483-489.	0.8	75
41	Asleep at the Wheel—The Road to Addressing Drowsy Driving. Sleep, 2017, 40, .	1.1	75
42	3-minute smartphone-based and tablet-based psychomotor vigilance tests for the assessment of reduced alertness due to sleep deprivation. Behavior Research Methods, 2017, 49, 1020-1029.	4.0	73
43	Dynamic Circadian Modulation in a Biomathematical Model for the Effects of Sleep and Sleep Loss on Waking Neurobehavioral Performance. Sleep, 2013, 36, 1987-1997.	1.1	71
44	Physiologic indexes in chronic insomnia during a constant routine: evidence for general hyperarousal?. Sleep, 2005, 28, 1588-96.	1.1	69
45	Comparison of mathematical model predictions to experimental data of fatigue and performance. Aviation, Space, and Environmental Medicine, 2004, 75, A15-36.	0.5	68
46	REPEATED ASSESSMENT OF THE ENDOGENOUS 24-HOUR PROFILE OF BLOOD PRESSURE UNDER CONSTANT ROUTINE*. Chronobiology International, 2001, 18, 85-98.	2.0	64
47	Systematic individual differences in sleep homeostatic and circadian rhythm contributions to neurobehavioral impairment during sleep deprivation. Accident Analysis and Prevention, 2012, 45, 11-16.	5.7	58
48	Normal sleep requires the astrocyte brain-type fatty acid binding protein FABP7. Science Advances, 2017, 3, e1602663.	10.3	56
49	Evidence-Based Guidelines for Fatigue Risk Management in Emergency Medical Services. Prehospital Emergency Care, 2018, 22, 89-101.	1.8	54
50	Performance and sleepiness in nurses working 12-h day shifts or night shifts in a community hospital. Accident Analysis and Prevention, 2019, 126, 43-46.	5.7	54
51	Cognitive flexibility: A distinct element of performance impairment due to sleep deprivation. Accident Analysis and Prevention, 2019, 126, 191-197.	5.7	54
52	Occupational fatigue, underlying sleep and circadian mechanisms, and approaches to fatigue risk management. Fatigue: Biomedicine, Health and Behavior, 2013, 1, 118-136.	1.9	52
53	TEMPERATURE PROFILES, AND THE EFFECT OF SLEEP ON THEM, IN RELATION TO MORNINGNESS-EVENINGNESS IN HEALTHY FEMALE SUBJECTS. Chronobiology International, 2001, 18, 227-247.	2.0	51
54	The Efficacy of a Restart Break for Recycling with Optimal Performance Depends Critically on Circadian Timing. Sleep, 2011, 34, 917-929.	1.1	49

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55	The circadian clock regulates cisplatin-induced toxicity and tumor regression in melanoma mouse and human models. <i>Oncotarget</i> , 2018, 9, 14524-14538.	1.8	49
56	Sleep Deprivation Diminishes Attentional Control Effectiveness and Impairs Flexible Adaptation to Changing Conditions. <i>Scientific Reports</i> , 2017, 7, 16020.	3.3	48
57	Investigating systematic individual differences in sleep-deprived performance on a high-fidelity flight simulator. <i>Behavior Research Methods</i> , 2006, 38, 333-343.	4.0	46
58	TNF \pm G308A polymorphism is associated with resilience to sleep deprivation-induced psychomotor vigilance performance impairment in healthy young adults. <i>Brain, Behavior, and Immunity</i> , 2015, 47, 66-74.	4.1	46
59	Astrocyte expression of the <i>Drosophila</i> TNF-alpha homologue, Eiger, regulates sleep in flies. <i>PLoS Genetics</i> , 2018, 14, e1007724.	3.5	46
60	Night shift schedule causes circadian dysregulation of DNA repair genes and elevated DNA damage in humans. <i>Journal of Pineal Research</i> , 2021, 70, e12726.	7.4	46
61	Fatiguing effect of multiple take-offs and landings in regional airline operations. <i>Accident Analysis and Prevention</i> , 2016, 86, 199-208.	5.7	45
62	Predicting performance and safety based on driver fatigue. <i>Accident Analysis and Prevention</i> , 2019, 126, 142-145.	5.7	45
63	Individual differences in cognitive vulnerability to fatigue in the laboratory and in the workplace. <i>Progress in Brain Research</i> , 2011, 190, 145-153.	1.4	43
64	Chronic Insomnia and Daytime Functioning: An Ambulatory Assessment. <i>Behavioral Sleep Medicine</i> , 2007, 5, 279-296.	2.1	42
65	A Combined Field and Laboratory Design for Assessing the Impact of Night Shift Work on Police Officer Operational Performance. <i>Sleep</i> , 2012, 35, 1575-1577.	1.1	42
66	Determinants of sleepiness in obstructive sleep apnea. <i>Sleep</i> , 2018, 41, .	1.1	41
67	Sleep Quality and Chronotype Differences between Elite Athletes and Non-Athlete Controls. <i>Clocks & Sleep</i> , 2018, 1, 3-12.	2.0	41
68	Searching for Biological Rhythms: Peak Detection in the Periodogram of Unequally Spaced Data. <i>Journal of Biological Rhythms</i> , 1999, 14, 617-620.	2.6	39
69	Short-Term Variability in Apnea-Hypopnea Index during Extended Home Portable Monitoring. <i>Journal of Clinical Sleep Medicine</i> , 2016, 12, 855-863.	2.6	39
70	Naturalistic field study of the restart break in US commercial motor vehicle drivers: Truck driving, sleep, and fatigue. <i>Accident Analysis and Prevention</i> , 2016, 93, 55-64.	5.7	39
71	Optimizing sleep/wake schedules in space: Sleep during chronic nocturnal sleep restriction with and without diurnal naps. <i>Acta Astronautica</i> , 2007, 60, 354-361.	3.2	38
72	Predicting cognitive impairment and accident risk. <i>Progress in Brain Research</i> , 2011, 190, 155-167.	1.4	36

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73	Circadian Rhythms in Sleepiness, Alertness, and Performance. , 2005, , 435-443.		35
74	Absence of Seasonal Variation in the Phase of the Endogenous Circadian Rhythm in Humans. Chronobiology International, 1998, 15, 623-632.	2.0	34
75	Interindividual differences in the dynamics of the homeostatic process are trait-like and distinct for sleep versus wakefulness. Journal of Sleep Research, 2017, 26, 171-178.	3.2	34
76	Catechol-O-methyltransferase (COMT) genotype affects cognitive control during total sleep deprivation. Cortex, 2018, 99, 179-186.	2.4	33
77	Distinct circadian mechanisms govern cardiac rhythms and susceptibility to arrhythmia. Nature Communications, 2021, 12, 2472.	12.8	33
78	Drowsiness measures for commercial motor vehicle operations. Accident Analysis and Prevention, 2019, 126, 146-159.	5.7	32
79	Performance impairment consequent to sleep loss: determinants of resistance and susceptibility. Current Opinion in Pulmonary Medicine, 2009, 15, 559-564.	2.6	31
80	Investigating the temporal dynamics and underlying mechanisms of cognitive fatigue.. , 2011, , 127-147.		29
81	A CIRCADIAN RHYTHM IN SKILL-BASED ERRORS IN AVIATION MAINTENANCE. Chronobiology International, 2010, 27, 1304-1316.	2.0	28
82	International consensus statements on non-standard working time arrangements and occupational health and safety. Industrial Health, 2019, 57, 135-138.	1.0	27
83	Genetic Dissociation of Daily Sleep and Sleep Following Thermogenetic Sleep Deprivation in <i>Drosophila</i> . Sleep, 2016, 39, 1083-1095.	1.1	26
84	Determining the likelihood that fatigue was present in a road accident: A theoretical review and suggested accident taxonomy. Sleep Medicine Reviews, 2018, 42, 202-210.	8.5	26
85	Nonlinear mixed-effects modeling: individualization and prediction. Aviation, Space, and Environmental Medicine, 2004, 75, A134-40.	0.5	26
86	Sleep inertia associated with a 10-min nap before the commute home following a night shift: A laboratory simulation study. Accident Analysis and Prevention, 2017, 99, 411-415.	5.7	24
87	Computational cognitive modeling of the temporal dynamics of fatigue from sleep loss. Psychonomic Bulletin and Review, 2017, 24, 1785-1807.	2.8	24
88	Sleep restriction and degraded reaction-time performance in Figaro solo sailing races. Journal of Sports Sciences, 2014, 32, 172-174.	2.0	23
89	The spectrum of the non-rapid eye movement sleep electroencephalogram following total sleep deprivation is trait-like. Journal of Sleep Research, 2015, 24, 360-363.	3.2	23
90	Time-on-Task Effect During Sleep Deprivation in Healthy Young Adults Is Modulated by Dopamine Transporter Genotype. Sleep, 2017, 40, .	1.1	23

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91	Effects of fatigue on teams and their role in 24/7 operations. <i>Sleep Medicine Reviews</i> , 2019, 48, 101216.	8.5	23
92	Circulating Exosomal miRNAs Signal Circadian Misalignment to Peripheral Metabolic Tissues. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6396.	4.1	23
93	The effects of sleep deprivation on item and associative recognition memory.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2018, 44, 193-208.	0.9	22
94	Signal-to-Noise Ratio in PVT Performance as a Cognitive Measure of the Effect of Sleep Deprivation on the Fidelity of Information Processing. <i>Sleep</i> , 2017, 40, .	1.1	21
95	Unraveling the genetic underpinnings of sleep deprivation-induced impairments in human cognition. <i>Progress in Brain Research</i> , 2019, 246, 127-158.	1.4	21
96	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
97	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
98	Uncovering Physiologic Mechanisms of Circadian Rhythms and Sleep/Wake Regulation through Mathematical Modeling. <i>Journal of Biological Rhythms</i> , 2007, 22, 233-245.	2.6	20
99	Fatigue in sustained attention: Generalizing mechanisms for time awake to time on task.. , 2011, , 83-101.		20
100	Working Time Society consensus statements: Prescriptive rule sets and risk management-based approaches for the management of fatigue-related risk in working time arrangements. <i>Industrial Health</i> , 2019, 57, 264-280.	1.0	20
101	Night shift schedule alters endogenous regulation of circulating cytokines. <i>Neurobiology of Sleep and Circadian Rhythms</i> , 2021, 10, 100063.	2.8	20
102	Sleep Deprivation and Time-on-Task Performance Decrement in the Rat Psychomotor Vigilance Task. <i>Sleep</i> , 2015, 38, 445-451.	1.1	19
103	Randomized, double-blind, placebo-controlled, crossover study of the effects of repeated-dose caffeine on neurobehavioral performance during 48h of total sleep deprivation. <i>Psychopharmacology</i> , 2019, 236, 1313-1322.	3.1	19
104	Differential and interacting effects of age and sleep restriction on daytime sleepiness and vigilance in adolescence: a longitudinal study. <i>Sleep</i> , 2018, 41, .	1.1	18
105	Exploring gene expression biomarker candidates for neurobehavioral impairment from total sleep deprivation. <i>BMC Genomics</i> , 2018, 19, 341.	2.8	18
106	Letter to the Editor: Analysis of Problematic Time Series with the Lomb-Scargle Method, A Reply to "Emphasizing Difficulties in the Detection of Rhythms with Lomb-Scargle Periodograms". <i>Biological Rhythm Research</i> , 2001, 32, 347-354.	0.9	17
107	Circadian Rhythms in Sleepiness, Alertness, and Performance. , 2011, , 445-455.		16
108	Does Implementation of Biomathematical Models Mitigate Fatigue and Fatigue-related Risks in Emergency Medical Services Operations? A Systematic Review. <i>Prehospital Emergency Care</i> , 2018, 22, 69-80.	1.8	16

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109	Cardiac autonomic activity during simulated shift work. <i>Industrial Health</i> , 2019, 57, 118-132.	1.0	16
110	Cognitive effects of sleepiness. , 2011, , 72-81.		15
111	Are Individuals' Nighttime Sleep Characteristics Prior to Shift Work Exposure Predictive for Parameters of Daytime Sleep after Commencing Shift Work?. <i>Chronobiology International</i> , 2006, 23, 1217-1227.	2.0	14
112	Proposed Performance Measures and Strategies for Implementation of the Fatigue Risk Management Guidelines for Emergency Medical Services. <i>Prehospital Emergency Care</i> , 2018, 22, 102-109.	1.8	14
113	Sleep quality, sleepiness and the influence of workplace breaks: A cross-sectional survey of health-care workers in two US hospitals. <i>Chronobiology International</i> , 2018, 35, 849-852.	2.0	14
114	Psychomotor Vigilance Impairment During Total Sleep Deprivation Is Exacerbated in Sleep-Onset Insomnia. <i>Nature and Science of Sleep</i> , 2019, Volume 11, 401-410.	2.7	14
115	Total sleep deprivation reduces top-down regulation of emotion without altering bottom-up affective processing. <i>PLoS ONE</i> , 2021, 16, e0256983.	2.5	14
116	Speed/accuracy trade-off in the effects of acute total sleep deprivation on a sustained attention and response inhibition task. <i>Chronobiology International</i> , 2020, 37, 1441-1444.	2.0	13
117	Analysis of inter- and intra-individual variability. <i>Journal of Sleep Research</i> , 2005, 14, 201-203.	3.2	12
118	Stable inter-individual differences in slow-wave sleep during nocturnal sleep and naps. <i>Sleep and Biological Rhythms</i> , 2010, 8, 239-244.	1.0	12
119	Fatigue, Performance, Errors, and Accidents. , 2011, , 753-759.		12
120	Quantifying Fatigue Risk in Model-Based Fatigue Risk Management. <i>Aviation, Space, and Environmental Medicine</i> , 2013, 84, 155-157.	0.5	12
121	Sleep inertia during a simulated 6-h on/6-h off fixed split duty schedule. <i>Chronobiology International</i> , 2016, 33, 685-696.	2.0	12
122	Inter-individual differences in sleep response to shift work in novice police officers – A prospective study. <i>Chronobiology International</i> , 2016, 33, 671-677.	2.0	12
123	Predictive and proactive fatigue risk management approaches in commercial aviation. <i>Chronobiology International</i> , 2020, 37, 1479-1482.	2.0	12
124	Trait Interindividual Differences in the Magnitude of Subjective Sleepiness from Sleep Inertia. <i>Clocks & Sleep</i> , 2021, 3, 298-311.	2.0	12
125	Sleep Deprivation and Sleep-Onset Insomnia are Associated with Blunted Physiological Reactivity to Stressors. <i>Military Medicine</i> , 2021, 186, 246-252.	0.8	12
126	Current Approaches and Challenges to Development of an Individualized Sleep and Performance Prediction Model–!2009-03-22–!2010-05-11–!2010-07-15–!. <i>The Open Sleep Journal</i> , 2010, 3, 24-43.	0.4	12

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127	Integrated fatigue modeling in crew rostering and operations. Canadian Aeronautics and Space Journal, 2013, 59, 1-6.	0.1	12
128	Seasonal covariation of the circadian phases of rectal temperature and slow wave sleep onset. Journal of Sleep Research, 1997, 6, 19-25.	3.2	11
129	Individual differences in sleep duration and responses to sleep loss. , 2013, , 189-196.		11
130	Action plan interrupted: resolution of proactive interference while coordinating execution of multiple action plans during sleep deprivation. Psychological Research, 2020, 84, 454-467.	1.7	11
131	Fatigue risk management based on self-reported fatigue: Expanding a biomathematical model of fatigue-related performance deficits to also predict subjective sleepiness. Transportation Research Part F: Traffic Psychology and Behaviour, 2021, 79, 94-106.	3.7	11
132	Clamping Cortisol and Testosterone Mitigates the Development of Insulin Resistance during Sleep Restriction in Men. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e3436-e3448.	3.6	11
133	Sleep deprivation impairs binding of information with its context. Sleep, 2021, 44, .	1.1	11
134	Connecting the dots: from trait vulnerability during total sleep deprivation to individual differences in cumulative impairment during sustained sleep restriction. Sleep, 2012, 35, 1031-3.	1.1	11
135	Brain activation patterns and individual differences in working memory impairment during sleep deprivation. Sleep, 2005, 28, 386-8.	1.1	11
136	Sleep and performance in simulated Navy watch schedules. Accident Analysis and Prevention, 2017, 99, 422-427.	5.7	10
137	Total sleep deprivation does not significantly degrade semantic encoding. Chronobiology International, 2018, 35, 746-749.	2.0	10
138	Cardiac autonomic activity during sleep deprivation with and without caffeine administration. Physiology and Behavior, 2019, 210, 112643.	2.1	10
139	Predicting Sleep/Wake Behavior for Model-Based Fatigue Risk Management. Sleep, 2010, 33, 144-145.	1.1	8
140	Fatigue and Performance Modeling. , 2011, , 745-752.		8
141	Field study of sleep and functional impairments in solo sailing races. Sleep and Biological Rhythms, 2012, 10, 270-277.	1.0	8
142	Functional imaging of inter-individual differences in response to sleep deprivation. , 2013, , 154-162.		8
143	Decreased Arousal as a Result of Sleep Deprivation. , 2007, , 243-253.		7
144	Chapter 8 Efficient Computation of Confidence Intervals for Bayesian Model Predictions Based on Multidimensional Parameter Space. Methods in Enzymology, 2009, 454, 213-231.	1.0	6

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145	Fatigue in Highway Construction Workers. <i>Transportation Research Record</i> , 2013, 2347, 11-18.	1.9	6
146	Circadian Rhythms in Sleepiness, Alertness, and Performance. , 2017, , 388-395.e5.		6
147	Reversal learning deficits during sleep deprivation: investigating the role of information acquisition failures. <i>Chronobiology International</i> , 2020, 37, 1445-1451.	2.0	6
148	<i>TNFR1</i> G308A genotype, resilience to sleep deprivation, and the effect of caffeine on psychomotor vigilance performance in a randomized, double-blind, placebo-controlled, crossover study. <i>Chronobiology International</i> , 2020, 37, 1461-1464.	2.0	6
149	Sleep continuity is positively correlated with sleep duration in laboratory nighttime sleep recordings. <i>PLoS ONE</i> , 2017, 12, e0175504.	2.5	6
150	Sleep pressure regulates mushroom body neural-glia interactions in <i>Drosophila</i> . <i>Matters Select</i> , 2019, 2019, .	3.0	6
151	Confidence Intervals for Individualized Performance Models. <i>Sleep</i> , 2007, 30, 1083-1083.	1.1	5
152	Performance Deficits During Sleep Loss and Their Operational Consequences. , 2017, , 682-688.e4.		5
153	Working around the Clock: Is a Person's Endogenous Circadian Timing for Optimal Neurobehavioral Functioning Inherently Task-Dependent?. <i>Clocks & Sleep</i> , 2022, 4, 23-36.	2.0	5
154	Simulated Night- Shift Schedule Disrupts the Plasma Lipidome and Reveals Early Markers of Cardiovascular Disease Risk. <i>Nature and Science of Sleep</i> , 0, Volume 14, 981-994.	2.7	5
155	Preface. <i>Progress in Brain Research</i> , 2011, 190, ix-xii.	1.4	4
156	A circadian biosignature in the labeled release data from Mars?. , 2005, , .		4
157	Human Circadian Rhythms. , 2005, , 255-269.		3
158	Connecting the Dots: From Trait Vulnerability during Total Sleep Deprivation to Individual Differences in Cumulative Impairment during Sustained Sleep Restriction. <i>Sleep</i> , 2012, , .	1.1	3
159	Interleukin-6 (IL-6) response to a simulated night-shift schedule is modulated by brain-derived neurotrophic factor (BDNF) genotype. <i>Chronobiology International</i> , 2020, 37, 1452-1456.	2.0	3
160	<i>DRD2</i> C957T genotype modulates the time-on-task effect during total sleep deprivation. <i>Chronobiology International</i> , 2020, 37, 1457-1460.	2.0	3
161	Sleep and Performance Prediction Modeling. , 2017, , 689-696.e4.		2
162	Sleep disturbance and daytime sleepiness in cigarette smokers attempting to quit without treatment. <i>Sleep and Biological Rhythms</i> , 2020, 18, 9-16.	1.0	2

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163	Robustness of inter-individual differences in slow wave sleep for daytime sleep periods after total sleep deprivation with or without caffeine administration: potential implications for around-the-clock operations. <i>Chronobiology International</i> , 2020, 37, 1465-1468.	2.0	2
164	Comparison of model predictions to experimental data: rectifying false impressions. <i>Aviation, Space, and Environmental Medicine</i> , 2004, 75, A122-4.	0.5	2
165	Electrodermal Activity Is Sensitive to Sleep Deprivation but Does Not Moderate the Effect of Total Sleep Deprivation on Affect. <i>Frontiers in Behavioral Neuroscience</i> , 0, 16, .	2.0	2
166	Hyperarousal as a Basis for Chronic Insomnia: Statistical Misconceptions and Individual Differences. <i>Sleep</i> , 2006, 29, 719-719.	1.1	1
167	Sleep Deprivation, Stimulant Medications, and Cognition. <i>Sleep</i> , 2015, 38, 1145-1146.	1.1	1
168	Prediction Accuracy in Multivariate Repeated-Measures Bayesian Forecasting Models with Examples Drawn from Research on Sleep and Circadian Rhythms. <i>Computational and Mathematical Methods in Medicine</i> , 2016, 2016, 1-23.	1.3	1
169	Evidence-Based Guidelines for Fatigue Risk Management in Emergency Medical Services: A Significant Step Forward and a Model for Other High-Risk Industries. <i>Prehospital Emergency Care</i> , 2018, 22, 110-112.	1.8	1
170	Floor vibrations for motivation and feedback in the rat vibration actuating search task. <i>PLoS ONE</i> , 2021, 16, e0257980.	2.5	1
171	Seasonal night-work with extended hours and transmeridian travel: An analysis of global fatigue-related sleigh crash risk. <i>Sleep Health</i> , 2022, 8, 3-6.	2.5	1
172	A Brief Response to Dr. Schimmel's Reply. <i>Biological Rhythm Research</i> , 2001, 32, 361-362.	0.9	0
173	Polysomnography Entails No More Than Minimal Risk. <i>Sleep</i> , 2005, 28, 276-276.	1.1	0
174	3 Splice. , 2008, , 1-1.		0
175	Preface. <i>Progress in Brain Research</i> , 2019, 246, xi-xiv.	1.4	0
176	Corrigendum to: The efficacy of a restart break for recycling with optimal performance depends critically on circadian timing. <i>Sleep</i> , 2020, 43, .	1.1	0
177	Age effects on cognitive impairment from sleep loss: contributing factors and individual differences. , 2023, , 292-298.		0
178	Sleep restriction and human physiology and behavior: questions posed, answers found?. <i>Journal of Clinical Sleep Medicine</i> , 2020, 16, 7-8.	2.6	0