

Hans P A Van Dongen

List of Publications by Year in descending order

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Version: 2024-02-01

178
papers

12,517
citations

38742

50
h-index

27406

106
g-index

185
all docs

185
docs citations

185
times ranked

9398
citing authors

#	ARTICLE	IF	CITATIONS
1	Age effects on cognitive impairment from sleep loss: contributing factors and individual differences. , 2023, , 292-298.		0
2	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
3	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
4	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
5	Distinct circadian mechanisms govern cardiac rhythms and susceptibility to arrhythmia. <i>Nature Communications</i> , 2021, 12, 2472.	12.8	33
6	Fatigue risk management based on self-reported fatigue: Expanding a biomathematical model of fatigue-related performance deficits to also predict subjective sleepiness. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2021, 79, 94-106.	3.7	11
7	Night shift schedule alters endogenous regulation of circulating cytokines. <i>Neurobiology of Sleep and Circadian Rhythms</i> , 2021, 10, 100063.	2.8	20
8	Clamping Cortisol and Testosterone Mitigates the Development of Insulin Resistance during Sleep Restriction in Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e3436-e3448.	3.6	11
9	Sleep deprivation impairs binding of information with its context. <i>Sleep</i> , 2021, 44, .	1.1	11
10	Trait Interindividual Differences in the Magnitude of Subjective Sleepiness from Sleep Inertia. <i>Clocks & Sleep</i> , 2021, 3, 298-311.	2.0	12
11	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
12	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
13	Floor vibrations for motivation and feedback in the rat vibration actuating search task. <i>PLoS ONE</i> , 2021, 16, e0257980.	2.5	1
14	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
15	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
16	Sleep deprivation, vigilant attention, and brain function: a review. <i>Neuropsychopharmacology</i> , 2020, 45, 21-30.	5.4	165
17	Action plan interrupted: resolution of proactive interference while coordinating execution of multiple action plans during sleep deprivation. <i>Psychological Research</i> , 2020, 84, 454-467.	1.7	11
18	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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19	Reversal learning deficits during sleep deprivation: investigating the role of information acquisition failures. <i>Chronobiology International</i> , 2020, 37, 1445-1451.	2.0	6
20	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
21	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
22	<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
23	Predictive and proactive fatigue risk management approaches in commercial aviation. <i>Chronobiology International</i> , 2020, 37, 1479-1482.	2.0	12
24	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
25	<i>TNFα</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
26	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
27	Circulating Exosomal miRNAs Signal Circadian Misalignment to Peripheral Metabolic Tissues. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6396.	4.1	23
28	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
29	Cardiac autonomic activity during simulated shift work. <i>Industrial Health</i> , 2019, 57, 118-132.	1.0	16
30	Cardiac autonomic activity during sleep deprivation with and without caffeine administration. <i>Physiology and Behavior</i> , 2019, 210, 112643.	2.1	10
31	Preface. <i>Progress in Brain Research</i> , 2019, 246, xi-xiv.	1.4	0
32	Effects of fatigue on teams and their role in 24/7 operations. <i>Sleep Medicine Reviews</i> , 2019, 48, 101216.	8.5	23
33	International consensus statements on non-standard working time arrangements and occupational health and safety. <i>Industrial Health</i> , 2019, 57, 135-138.	1.0	27
34	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
35	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
36	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

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37	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
38	Performance and sleepiness in nurses working 12-h day shifts or night shifts in a community hospital. <i>Accident Analysis and Prevention</i> , 2019, 126, 43-46.	5.7	54
39	Cognitive flexibility: A distinct element of performance impairment due to sleep deprivation. <i>Accident Analysis and Prevention</i> , 2019, 126, 191-197.	5.7	54
40	Predicting performance and safety based on driver fatigue. <i>Accident Analysis and Prevention</i> , 2019, 126, 142-145.	5.7	45
41	Drowsiness measures for commercial motor vehicle operations. <i>Accident Analysis and Prevention</i> , 2019, 126, 146-159.	5.7	32
42	Sleep pressure regulates mushroom body neural-glia interactions in <i>Drosophila</i> . <i>Matters Select</i> , 2019, .	3.0	6
43	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
44	Determinants of sleepiness in obstructive sleep apnea. <i>Sleep</i> , 2018, 41, .	1.1	41
45	Total sleep deprivation does not significantly degrade semantic encoding. <i>Chronobiology International</i> , 2018, 35, 746-749.	2.0	10
46	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
47	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
48	Evidence-Based Guidelines for Fatigue Risk Management in Emergency Medical Services. <i>Prehospital Emergency Care</i> , 2018, 22, 89-101.	1.8	54
49	Catechol-O-methyltransferase (COMT) genotype affects cognitive control during total sleep deprivation. <i>Cortex</i> , 2018, 99, 179-186.	2.4	33
50	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
51	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
52	Sleep Quality and Chronotype Differences between Elite Athletes and Non-Athlete Controls. <i>Clocks & Sleep</i> , 2018, 1, 3-12.	2.0	41
53	Determining the likelihood that fatigue was present in a road accident: A theoretical review and suggested accident taxonomy. <i>Sleep Medicine Reviews</i> , 2018, 42, 202-210.	8.5	26
54	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

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55	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
56	Exploring gene expression biomarker candidates for neurobehavioral impairment from total sleep deprivation. <i>BMC Genomics</i> , 2018, 19, 341.	2.8	18
57	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
58	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
59	3-minute smartphone-based and tablet-based psychomotor vigilance tests for the assessment of reduced alertness due to sleep deprivation. <i>Behavior Research Methods</i> , 2017, 49, 1020-1029.	4.0	73
60	Sleep inertia associated with a 10-min nap before the commute home following a night shift: A laboratory simulation study. <i>Accident Analysis and Prevention</i> , 2017, 99, 411-415.	5.7	24
61	Sleep and performance in simulated Navy watch schedules. <i>Accident Analysis and Prevention</i> , 2017, 99, 422-427.	5.7	10
62	Computational cognitive modeling of the temporal dynamics of fatigue from sleep loss. <i>Psychonomic Bulletin and Review</i> , 2017, 24, 1785-1807.	2.8	24
63	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
64	Asleep at the Wheel—The Road to Addressing Drowsy Driving. <i>Sleep</i> , 2017, 40, .	1.1	75
65	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
66	Normal sleep requires the astrocyte brain-type fatty acid binding protein FABP7. <i>Science Advances</i> , 2017, 3, e1602663.	10.3	56
67	Interindividual differences in the dynamics of the homeostatic process are trait-like and distinct for sleep versus wakefulness. <i>Journal of Sleep Research</i> , 2017, 26, 171-178.	3.2	34
68	Sleep Deprivation Diminishes Attentional Control Effectiveness and Impairs Flexible Adaptation to Changing Conditions. <i>Scientific Reports</i> , 2017, 7, 16020.	3.3	48
69	Time-on-Task Effect During Sleep Deprivation in Healthy Young Adults Is Modulated by Dopamine Transporter Genotype. <i>Sleep</i> , 2017, 40, .	1.1	23
70	Sleep and Performance Prediction Modeling. , 2017, , 689-696.e4.		2
71	Circadian Rhythms in Sleepiness, Alertness, and Performance. , 2017, , 388-395.e5.		6
72	Performance Deficits During Sleep Loss and Their Operational Consequences. , 2017, , 682-688.e4.		5

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73	Sleep continuity is positively correlated with sleep duration in laboratory nighttime sleep recordings. PLoS ONE, 2017, 12, e0175504.	2.5	6
74	Short-Term Variability in Apnea-Hypopnea Index during Extended Home Portable Monitoring. Journal of Clinical Sleep Medicine, 2016, 12, 855-863.	2.6	39
75	Prediction Accuracy in Multivariate Repeated-Measures Bayesian Forecasting Models with Examples Drawn from Research on Sleep and Circadian Rhythms. Computational and Mathematical Methods in Medicine, 2016, 2016, 1-23.	1.3	1
76	Sleep inertia during a simulated 6-h on/6-h off fixed split duty schedule. Chronobiology International, 2016, 33, 685-696.	2.0	12
77	Inter-individual differences in sleep response to shift work in novice police officers – A prospective study. Chronobiology International, 2016, 33, 671-677.	2.0	12
78	Genetic Dissociation of Daily Sleep and Sleep Following Thermogenetic Sleep Deprivation in <i>Drosophila</i> . Sleep, 2016, 39, 1083-1095.	1.1	26
79	Naturalistic field study of the restart break in US commercial motor vehicle drivers: Truck driving, sleep, and fatigue. Accident Analysis and Prevention, 2016, 93, 55-64.	5.7	39
80	Fatiguing effect of multiple take-offs and landings in regional airline operations. Accident Analysis and Prevention, 2016, 86, 199-208.	5.7	45
81	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
82	Feedback Blunting: Total Sleep Deprivation Impairs Decision Making that Requires Updating Based on Feedback. Sleep, 2015, 38, 745-754.	1.1	97
83	Sleep Deprivation and Time-on-Task Performance Decrement in the Rat Psychomotor Vigilance Task. Sleep, 2015, 38, 445-451.	1.1	19
84	Sleep Deprivation, Stimulant Medications, and Cognition. Sleep, 2015, 38, 1145-1146.	1.1	1
85	TNF- α G308A polymorphism is associated with resilience to sleep deprivation-induced psychomotor vigilance performance impairment in healthy young adults. Brain, Behavior, and Immunity, 2015, 47, 66-74.	4.1	46
86	Subjective sleepiness is a sensitive indicator of insufficient sleep and impaired waking function. Journal of Sleep Research, 2014, 23, 242-254.	3.2	224
87	Sleep restriction and degraded reaction-time performance in Figaro solo sailing races. Journal of Sports Sciences, 2014, 32, 172-174.	2.0	23
88	A Novel <i>BHLHE41</i> Variant is Associated with Short Sleep and Resistance to Sleep Deprivation in Humans. Sleep, 2014, 37, 1327-1336.	1.1	104
89	Deconstructing and reconstructing cognitive performance in sleep deprivation. Sleep Medicine Reviews, 2013, 17, 215-225.	8.5	134
90	Efficient driver drowsiness detection at moderate levels of drowsiness. Accident Analysis and Prevention, 2013, 50, 341-350.	5.7	164

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91	Occupational fatigue, underlying sleep and circadian mechanisms, and approaches to fatigue risk management. <i>Fatigue: Biomedicine, Health and Behavior</i> , 2013, 1, 118-136.	1.9	52
92	Fatigue in Highway Construction Workers. <i>Transportation Research Record</i> , 2013, 2347, 11-18.	1.9	6
93	Altered Circadian Rhythmicity in Patients in the ICU. <i>Chest</i> , 2013, 144, 483-489.	0.8	75
94	Quantifying Fatigue Risk in Model-Based Fatigue Risk Management. <i>Aviation, Space, and Environmental Medicine</i> , 2013, 84, 155-157.	0.5	12
95	Dynamic Circadian Modulation in a Biomathematical Model for the Effects of Sleep and Sleep Loss on Waking Neurobehavioral Performance. <i>Sleep</i> , 2013, 36, 1987-1997.	1.1	71
96	Individual differences in sleep duration and responses to sleep loss. , 2013, , 189-196.		11
97	Functional imaging of inter-individual differences in response to sleep deprivation. , 2013, , 154-162.		8
98	Integrated fatigue modeling in crew rostering and operations. <i>Canadian Aeronautics and Space Journal</i> , 2013, 59, 1-6.	0.1	12
99	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
100	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
101	Field study of sleep and functional impairments in solo sailing races. <i>Sleep and Biological Rhythms</i> , 2012, 10, 270-277.	1.0	8
102	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
103	Systematic individual differences in sleep homeostatic and circadian rhythm contributions to neurobehavioral impairment during sleep deprivation. <i>Accident Analysis and Prevention</i> , 2012, 45, 11-16.	5.7	58
104	Connecting the dots: from trait vulnerability during total sleep deprivation to individual differences in cumulative impairment during sustained sleep restriction. <i>Sleep</i> , 2012, 35, 1031-3.	1.1	11
105	Circadian Rhythms in Sleepiness, Alertness, and Performance. , 2011, , 445-455.		16
106	Cognitive effects of sleepiness. , 2011, , 72-81.		15
107	The Efficacy of a Restart Break for Recycling with Optimal Performance Depends Critically on Circadian Timing. <i>Sleep</i> , 2011, 34, 917-929.	1.1	49
108	Fatigue in sustained attention: Generalizing mechanisms for time awake to time on task.. , 2011, , 83-101.		20

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109	Individual differences in cognitive vulnerability to fatigue in the laboratory and in the workplace. Progress in Brain Research, 2011, 190, 145-153.	1.4	43
110	Preface. Progress in Brain Research, 2011, 190, ix-xii.	1.4	4
111	Fatigue, Performance, Errors, and Accidents. , 2011, , 753-759.		12
112	Predicting cognitive impairment and accident risk. Progress in Brain Research, 2011, 190, 155-167.	1.4	36
113	Fatigue and Performance Modeling. , 2011, , 745-752.		8
114	Diffusion model for one-choice reaction-time tasks and the cognitive effects of sleep deprivation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11285-11290.	7.1	148
115	Investigating the temporal dynamics and underlying mechanisms of cognitive fatigue.. , 2011, , 127-147.		29
116	A Local, Bottom-Up Perspective on Sleep Deprivation and Neurobehavioral Performance. Current Topics in Medicinal Chemistry, 2011, 11, 2414-2422.	2.1	93
117	Time of Day Effects on Neurobehavioral Performance During Chronic Sleep Restriction. Aviation, Space, and Environmental Medicine, 2010, 81, 735-744.	0.5	75
118	Effects of Sleep Deprivation on Dissociated Components of Executive Functioning. Sleep, 2010, 33, 47-57.	1.1	236
119	Neurobehavioral Dynamics Following Chronic Sleep Restriction: Dose-Response Effects of One Night for Recovery. Sleep, 2010, 33, 1013-1026.	1.1	242
120	Stable inter-individual differences in slow-wave sleep during nocturnal sleep and naps. Sleep and Biological Rhythms, 2010, 8, 239-244.	1.0	12
121	Predicting Sleep/Wake Behavior for Model-Based Fatigue Risk Management. Sleep, 2010, 33, 144-145.	1.1	8
122	A CIRCADIAN RHYTHM IN SKILL-BASED ERRORS IN AVIATION MAINTENANCE. Chronobiology International, 2010, 27, 1304-1316.	2.0	28
123	Current Approaches and Challenges to Development of an Individualized Sleep and Performance Prediction Model–!2009-03-22–!2010-05-11–!2010-07-15–!. The Open Sleep Journal, 2010, 3, 24-43.	0.4	12
124	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
125	Assessment of circadian function in fibroblasts of patients with bipolar disorder. Molecular Psychiatry, 2009, 14, 143-155.	7.9	89
126	Physiological markers of local sleep. European Journal of Neuroscience, 2009, 29, 1771-1778.	2.6	86

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127	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
128	Sleep deprivation affects multiple distinct cognitive processes. <i>Psychonomic Bulletin and Review</i> , 2009, 16, 742-751.	2.8	138
129	Circadian Rhythm Profiles in Women with Night Eating Syndrome. <i>Journal of Biological Rhythms</i> , 2009, 24, 85-94.	2.6	168
130	Performance impairment consequent to sleep loss: determinants of resistance and susceptibility. <i>Current Opinion in Pulmonary Medicine</i> , 2009, 15, 559-564.	2.6	31
131	Individual Differences in Vulnerability to Sleep Loss in the Work Environment. <i>Industrial Health</i> , 2009, 47, 518-526.	1.0	93
132	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
133	Sleep as a fundamental property of neuronal assemblies. <i>Nature Reviews Neuroscience</i> , 2008, 9, 910-919.	10.2	520
134	3 Splice. , 2008, , 1-1.		0
135	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
136	Optimization of Biomathematical Model Predictions for Cognitive Performance Impairment in Individuals: Accounting for Unknown Traits and Uncertain States in Homeostatic and Circadian Processes. <i>Sleep</i> , 2007, 30, 1129-1143.	1.1	76
137	Chronic Insomnia and Daytime Functioning: An Ambulatory Assessment. <i>Behavioral Sleep Medicine</i> , 2007, 5, 279-296.	2.1	42
138	Confidence Intervals for Individualized Performance Models. <i>Sleep</i> , 2007, 30, 1083-1083.	1.1	5
139	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
140	Trait interindividual differences in the sleep physiology of healthy young adults. <i>Journal of Sleep Research</i> , 2007, 16, 170-180.	3.2	180
141	Decreased Arousal as a Result of Sleep Deprivation. , 2007, , 243-253.		7
142	Shift Work and Interâ€Individual Differences in Sleep and Sleepiness. <i>Chronobiology International</i> , 2006, 23, 1139-1147.	2.0	146
143	Are Individuals' Nighttime Sleep Characteristics Prior to Shiftâ€Work Exposure Predictive for Parameters of Daytime Sleep after Commencing Shift Work?. <i>Chronobiology International</i> , 2006, 23, 1217-1227.	2.0	14
144	Hyperarousal as a Basis for Chronic Insomnia: Statistical Misconceptions and Individual Differences. <i>Sleep</i> , 2006, 29, 719-719.	1.1	1

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145	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
146	Individual Differences in Adult Human Sleep and Wakefulness: Leitmotif for a Research Agenda. <i>Sleep</i> , 2005, 28, 479-498.	1.1	298
147	Human Circadian Rhythms. , 2005, , 255-269.		3
148	Analysis of inter- and intra-individual variability. <i>Journal of Sleep Research</i> , 2005, 14, 201-203.	3.2	12
149	Circadian Rhythms in Sleepiness, Alertness, and Performance. , 2005, , 435-443.		35
150	Polysomnography Entails No More Than Minimal Risk. <i>Sleep</i> , 2005, 28, 276-276.	1.1	0
151	Sleep, Circadian Rhythms, and Psychomotor Vigilance. <i>Clinics in Sports Medicine</i> , 2005, 24, 237-249.	1.8	225
152	A circadian biosignature in the labeled release data from Mars?. , 2005, , .		4
153	Brain activation patterns and individual differences in working memory impairment during sleep deprivation. <i>Sleep</i> , 2005, 28, 386-8.	1.1	11
154	Physiologic indexes in chronic insomnia during a constant routine: evidence for general hyperarousal?. <i>Sleep</i> , 2005, 28, 1588-96.	1.1	69
155	Mixed-Model Regression Analysis and Dealing with Interindividual Differences. <i>Methods in Enzymology</i> , 2004, 384, 139-171.	1.0	105
156	Comparison of mathematical model predictions to experimental data of fatigue and performance. <i>Aviation, Space, and Environmental Medicine</i> , 2004, 75, A15-36.	0.5	68
157	Comparison of model predictions to experimental data: rectifying false impressions. <i>Aviation, Space, and Environmental Medicine</i> , 2004, 75, A122-4.	0.5	2
158	Nonlinear mixed-effects modeling: individualization and prediction. <i>Aviation, Space, and Environmental Medicine</i> , 2004, 75, A134-40.	0.5	26
159	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
160	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
161	Sleep Loss Reduces Diurnal Rhythm Amplitude of Leptin in Healthy Men. <i>Journal of Neuroendocrinology</i> , 2003, 15, 851-854.	2.6	230
162	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

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163	Sleep debt: Theoretical and empirical issues*. <i>Sleep and Biological Rhythms</i> , 2003, 1, 5-13.	1.0	162
164	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
165	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
166	TEMPERATURE PROFILES, AND THE EFFECT OF SLEEP ON THEM, IN RELATION TO MORNINGNESS-EVENINGNESS IN HEALTHY FEMALE SUBJECTS. <i>Chronobiology International</i> , 2001, 18, 227-247.	2.0	51
167	A Brief Response to Dr. Schimmel's Reply. <i>Biological Rhythm Research</i> , 2001, 32, 361-362.	0.9	0
168	Caffeine Eliminates Psychomotor Vigilance Deficits from Sleep Inertia. <i>Sleep</i> , 2001, 24, 813-819.	1.1	200
169	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
170	REPEATED ASSESSMENT OF THE ENDOGENOUS 24-HOUR PROFILE OF BLOOD PRESSURE UNDER CONSTANT ROUTINE*. <i>Chronobiology International</i> , 2001, 18, 85-98.	2.0	64
171	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
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173	Absence of Endogenous Circadian Rhythmicity in Blood Pressure?. <i>American Journal of Hypertension</i> , 1998, 11, 373-377.	2.0	83
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177	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
178	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