

David F Dinges

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8210964/david-f-dinges-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

99
papers

6,459
citations

38
h-index

80
g-index

103
ext. papers

7,741
ext. citations

5.1
avg, IF

6.39
L-index

#	Paper	IF	Citations
99	Sleep deficiency in spaceflight is associated with degraded neurobehavioral functions and elevated stress in astronauts on six-month missions aboard the International Space Station.. <i>Sleep</i> , 2022 ,	1.1	2
98	Predictors of interindividual differences in vulnerability to neurobehavioral consequences of chronic partial sleep restriction.. <i>Sleep</i> , 2021 ,	1.1	2
97	Continuous and Intermittent Artificial Gravity as a Countermeasure to the Cognitive Effects of 60 Days of Head-Down Tilt Bed Rest. <i>Frontiers in Physiology</i> , 2021 , 12, 643854	4.6	8
96	Effects of head-down tilt bed rest plus elevated CO on cognitive performance. <i>Journal of Applied Physiology</i> , 2021 , 130, 1235-1246	3.7	9
95	226 Changes in sleep amount and sleep quality due to the COVID-19 pandemic confinement associate with ratings of health and stress. <i>Sleep</i> , 2021 , 44, A90-A90	1.1	78
94	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	4.5	3
93	670 Changes in Childhood Sleep Patterns in an Intervention Study Prior to and During COVID19 Restrictions. <i>Sleep</i> , 2021 , 44, A262-A262	1.1	78
92	613 Variation in Sleep Beliefs and Behaviors Among Caregiver-Child Dyads Participating in a Sleep Extension Intervention. <i>Sleep</i> , 2021 , 44, A241-A241	1.1	
91	219 Comparing Sleep Amount and Quality for People Working from Home with and Without Minor Dependents during the COVID-19 Pandemic. <i>Sleep</i> , 2021 , 44, A87-A88	1.1	78
90	215 Sleep duration, quality and timing during confinement amid the COVID-19 Pandemic. <i>Sleep</i> , 2021 , 44, A86-A86	1.1	78
89	Serum micronutrient status, sleep quality and neurobehavioural function among early adolescents. <i>Public Health Nutrition</i> , 2021 , 24, 5815-5825	3.3	1
88	Response speed measurements on the psychomotor vigilance test: how precise is precise enough?. <i>Sleep</i> , 2021 , 44,	1.1	3
87	Effects of six weeks of chronic sleep restriction with weekend recovery on cognitive performance and wellbeing in high-performing adults. <i>Sleep</i> , 2021 , 44,	1.1	3
86	Engineering a mobile platform to promote sleep in the pediatric primary care setting. <i>SLEEP Advances</i> , 2021 , 2, zpab006	2.8	0
85	Impaired Vigilant Attention Partly Accounts for Inhibition Control Deficits After Total Sleep Deprivation and Partial Sleep Restriction. <i>Nature and Science of Sleep</i> , 2021 , 13, 1545-1560	3.6	0
84	Associations of the residential built environment with adolescent sleep outcomes. <i>Sleep</i> , 2021 , 44,	1.1	4
83	Two nights of recovery sleep restores hippocampal connectivity but not episodic memory after total sleep deprivation. <i>Scientific Reports</i> , 2020 , 10, 8774	4.9	15

82	Cognitive Performance During Confinement and Sleep Restriction in NASA's Human Exploration Research Analog (HERA). <i>Frontiers in Physiology</i> , 2020 , 11, 394	4.6	13
81	Cognition test battery: Adjusting for practice and stimulus set effects for varying administration intervals in high performing individuals. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2020 , 42, 516-529	2.1	9
80	Changes in Sleep Duration and Timing During the Middle-to-High School Transition. <i>Journal of Adolescent Health</i> , 2020 , 67, 829-836	5.8	11
79	Tracking intermediate performance of vigilant attention using multiple eye metrics. <i>Sleep</i> , 2020 , 43,	1.1	4
78	Engineering a Mobile Platform to Promote Sleep in the Pediatric Primary Care Setting 2020 ,		5
77	Caloric and Macronutrient Intake and Meal Timing Responses to Repeated Sleep Restriction Exposures Separated by Varying Intervening Recovery Nights in Healthy Adults. <i>Nutrients</i> , 2020 , 12,	6.7	2
76	Sleep and Alertness in a Duty-Hour Flexibility Trial in Internal Medicine. <i>New England Journal of Medicine</i> , 2019 , 380, 915-923	59.2	22
75	Patient Safety Outcomes under Flexible and Standard Resident Duty-Hour Rules. <i>New England Journal of Medicine</i> , 2019 , 380, 905-914	59.2	33
74	Test-retest reliability of cerebral blood flow for assessing brain function at rest and during a vigilance task. <i>NeuroImage</i> , 2019 , 193, 157-166	7.9	4
73	The NASA Twins Study: A multidimensional analysis of a year-long human spaceflight. <i>Science</i> , 2019 , 364,	33.3	300
72	Electrocortical Evidence for Impaired Affective Picture Processing after Long-Term Immobilization. <i>Scientific Reports</i> , 2019 , 9, 16610	4.9	9
71	Sleep and Work in ICU Physicians During a Randomized Trial of Nighttime Intensivist Staffing. <i>Critical Care Medicine</i> , 2019 , 47, 894-902	1.4	2
70	Effects of zolpidem and zaleplon on cognitive performance after emergent morning awakenings at Tmax: a randomized placebo-controlled trial. <i>Sleep</i> , 2019 , 42,	1.1	9
69	Data and methods for studying commercial motor vehicle driver fatigue, highway safety and long-term driver health. <i>Accident Analysis and Prevention</i> , 2019 , 126, 37-42	6.1	23
68	Determinants of sleepiness in obstructive sleep apnea. <i>Sleep</i> , 2018 , 41,	1.1	27
67	Sleep duration in the United States 2003-2016: first signs of success in the fight against sleep deficiency?. <i>Sleep</i> , 2018 , 41,	1.1	38
66	Repeated Administration Effects on Psychomotor Vigilance Test Performance. <i>Sleep</i> , 2018 , 41,	1.1	42
65	Education Outcomes in a Duty-Hour Flexibility Trial in Internal Medicine. <i>New England Journal of Medicine</i> , 2018 , 378, 1494-1508	59.2	93

64	Interindividual variability in neurobehavioral response to sleep loss: A comprehensive review. <i>Neuroscience and Biobehavioral Reviews</i> , 2018 , 89, 29-48	9	42
63	Effects of -12° head-down tilt with and without elevated levels of CO on cognitive performance: the SPACECOT study. <i>Journal of Applied Physiology</i> , 2018 , 124, 750-760	3.7	18
62	Response to Letters to the Editor by Dr. Glozier and Grunstein and by Drs. Hertenstein, Riemann, and Nissen in response to our article "Sleep duration in the United States 2003-2016: first signs of success in the fight against sleep deficiency?". <i>Sleep</i> , 2018 , 41,	1.1	
61	Development of the individualised Comparative Effectiveness of Models Optimizing Patient Safety and Resident Education (iCOMPARE) trial: a protocol summary of a national cluster-randomised trial of resident duty hour policies in internal medicine. <i>BMJ Open</i> , 2018 , 8, e021711	3	10
60	Sleep deprivation enhances inter-stimulus interval effect on vigilant attention performance. <i>Sleep</i> , 2018 , 41,	1.1	12
59	Human and rat gut microbiome composition is maintained following sleep restriction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E1564-E1571	11.5	59
58	Objective Measurements of Energy Balance Are Associated With Sleep Architecture in Healthy Adults. <i>Sleep</i> , 2017 , 40,	1.1	17
57	Sleep and Alertness in Medical Interns and Residents: An Observational Study on the Role of Extended Shifts. <i>Sleep</i> , 2017 , 40,	1.1	41
56	Validation of the Cognition Test Battery for Spaceflight in a Sample of Highly Educated Adults. <i>Aerospace Medicine and Human Performance</i> , 2017 , 88, 937-946	1.1	31
55	Meta-Analysis of the Antidepressant Effects of Acute Sleep Deprivation. <i>Journal of Clinical Psychiatry</i> , 2017 , 78, e1020-e1034	4.6	59
54	Short-Term Variability in Apnea-Hypopnea Index during Extended Home Portable Monitoring. <i>Journal of Clinical Sleep Medicine</i> , 2016 , 12, 855-63	3.1	34
53	Developing Biomarker Arrays Predicting Sleep and Circadian-Coupled Risks to Health. <i>Sleep</i> , 2016 , 39, 727-36	1.1	59
52	Determinants of Behavioral Alertness in Adults with Heart Failure. <i>Journal of Clinical Sleep Medicine</i> , 2016 , 12, 589-96	3.1	4
51	Response to: "Can Racial Differences in Resting Metabolic Rate be Explained by Body Composition?". <i>Obesity</i> , 2016 , 24, 1204	8	
50	Phenotyping of neurobehavioral vulnerability to circadian phase during sleep loss. <i>Methods in Enzymology</i> , 2015 , 552, 285-308	1.7	20
49	Altered salience network connectivity predicts macronutrient intake after sleep deprivation. <i>Scientific Reports</i> , 2015 , 5, 8215	4.9	44
48	Development and Validation of the Cognition Test Battery for Spaceflight. <i>Aerospace Medicine and Human Performance</i> , 2015 , 86, 942-52	1.1	64
47	How acute total sleep loss affects the attending brain: a meta-analysis of neuroimaging studies. <i>Sleep</i> , 2015 , 38, 233-40	1.1	122

46	Phenotypic vulnerability of energy balance responses to sleep loss in healthy adults. <i>Scientific Reports</i> , 2015 , 5, 14920	4.9	27
45	Resting metabolic rate varies by race and by sleep duration. <i>Obesity</i> , 2015 , 23, 2349-56	8	47
44	Early Blood Lead Levels and Sleep Disturbance in Preadolescence. <i>Sleep</i> , 2015 , 38, 1869-74	1.1	17
43	A new likelihood ratio metric for the psychomotor vigilance test and its sensitivity to sleep loss. <i>Journal of Sleep Research</i> , 2015 , 24, 702-13	5.8	22
42	With Appreciation and Encouragement!. <i>Sleep</i> , 2015 , 38, 1833-1833	1.1	78
41	Wireless Monitoring of Changes in Crew Relations during Long-Duration Mission Simulation. <i>PLoS ONE</i> , 2015 , 10, e0134814	3.7	10
40	Lost in space: sleep. <i>Lancet Neurology</i> , 2014 , 13, 860-2	24.1	6
39	Sleep deprivation potentiates HPA axis stress reactivity in healthy adults. <i>Health Psychology</i> , 2014 , 33, 1430-4	5	122
38	Sociodemographic characteristics and waking activities and their role in the timing and duration of sleep. <i>Sleep</i> , 2014 , 37, 1889-906	1.1	85
37	Cognitive workload and sleep restriction interact to influence sleep homeostatic responses. <i>Sleep</i> , 2014 , 37, 1745-56	1.1	31
36	Psychological and behavioral changes during confinement in a 520-day simulated interplanetary mission to mars. <i>PLoS ONE</i> , 2014 , 9, e93298	3.7	99
35	Sex and race differences in caloric intake during sleep restriction in healthy adults. <i>American Journal of Clinical Nutrition</i> , 2014 , 100, 559-66	7	80
34	Sleepiness and Safety: Where Biology Needs Technology. <i>Sleep and Biological Rhythms</i> , 2014 , 12, 74-84	1.3	26
33	A novel BHLHE41 variant is associated with short sleep and resistance to sleep deprivation in humans. <i>Sleep</i> , 2014 , 37, 1327-36	1.1	73
32	Managing neurobehavioral capability when social expediency trumps biological imperatives. <i>Progress in Brain Research</i> , 2012 , 199, 377-398	2.9	12
31	Validity and Sensitivity of a Brief Psychomotor Vigilance Test (PVT-B) to Total and Partial Sleep Deprivation. <i>Acta Astronautica</i> , 2011 , 69, 949-959	2.9	212
30	Effects of Night Work, Sleep Loss and Time on Task on Simulated Threat Detection Performance. <i>Sleep</i> , 2008 ,	1.1	1
29	Sleep deprivation and vigilant attention. <i>Annals of the New York Academy of Sciences</i> , 2008 , 1129, 305-226.5		749

28	Behavioral and Physiological Consequences of Sleep Restriction. <i>Journal of Clinical Sleep Medicine</i> , 2007 , 03, 519-528	3.1	794
27	Achieving Our Mission: Breadth in the Best Basic and Clinical Sleep Research. <i>Sleep</i> , 2007 , 30, 951-952	1.1	1
26	Confidence Intervals for Individualized Performance Models. <i>Sleep</i> , 2007 , 30, 1083-1083	1.1	4
25	Cocoa flavanols, cerebral blood flow, cognition, and health: going forward. <i>Journal of Cardiovascular Pharmacology</i> , 2006 , 47 Suppl 2, S221-3	3.1	17
24	Pharmacodynamic effects on alertness of single doses of armodafinil in healthy subjects during a nocturnal period of acute sleep loss. <i>Current Medical Research and Opinion</i> , 2006 , 22, 159-67	2.5	85
23	Forum on Critical Topics [Sleep, Adenosine, and the Basal Forebrain. <i>Sleep</i> , 2006 , 29, 1381-1381	1.1	1
22	Human Circadian Rhythms 2005 , 255-269		2
21	Sleep Deprivation and Its Effects on Cognitive Performance 2005 , 137-144		2
20	Optical computer recognition of facial expressions associated with stress induced by performance demands. <i>Aviation, Space, and Environmental Medicine</i> , 2005 , 76, B172-82		15
19	Systematic Interindividual Differences in Neurobehavioral Impairment from Sleep Loss: Evidence of Trait-Like Differential Vulnerability. <i>Sleep</i> , 2004 ,	1.1	11
18	Critical research issues in development of biomathematical models of fatigue and performance. <i>Aviation, Space, and Environmental Medicine</i> , 2004 , 75, A181-91		23
17	Effects of modafinil on sustained attention performance and quality of life in OSA patients with residual sleepiness while being treated with nCPAP. <i>Sleep Medicine</i> , 2003 , 4, 393-402	4.6	105
16	Caffeine eliminates psychomotor vigilance deficits from sleep inertia. <i>Sleep</i> , 2001 , 24, 813-9	1.1	160
15	Absence of Diurnal Variation of C-Reactive Protein Concentrations in Healthy Human Subjects. <i>Clinical Chemistry</i> , 2001 , 47, 426-430	5.5	284
14	A comparative model: reaction time performance in sleep-disordered breathing versus alcohol-impaired controls. <i>Laryngoscope</i> , 1999 , 109, 1648-54	3.6	49
13	Self-hypnosis training as an adjunctive treatment in the management of pain associated with sickle cell disease. <i>International Journal of Clinical and Experimental Hypnosis</i> , 1997 , 45, 417-32	1.8	65
12	Rotating shiftwork schedules: can we enhance physician adaptation to night shifts?. <i>Academic Emergency Medicine</i> , 1997 , 4, 951-61	3.4	94
11	Neurobehavioral consequences of arousals. <i>Sleep</i> , 1996 , 19, S198-201	1.1	66

10	Memory liabilities associated with hypnosis: does low hypnotizability confer immunity? <i>International Journal of Clinical and Experimental Hypnosis</i> , 1996 , 44, 354-69	1.8	18
9	Review of regulations and guidelines for commercial and noncommercial drivers with sleep apnea and narcolepsy. <i>Sleep</i> , 1995 , 18, 787-96	1.1	31
8	A survey screen for prediction of apnea. <i>Sleep</i> , 1995 , 18, 158-66	1.1	378
7	An overview of sleepiness and accidents. <i>Journal of Sleep Research</i> , 1995 , 4, 4-14	5.8	595
6	Motor dysfunction during sleep in posttraumatic stress disorder. <i>Sleep</i> , 1994 , 17, 723-32	1.1	126
5	Rock v. Arkansas: hypnosis, the defendant's privilege. <i>International Journal of Clinical and Experimental Hypnosis</i> , 1990 , 38, 250-65	1.8	3
4	Self-hypnosis and meditation for stress management: a brief communication. <i>International Journal of Clinical and Experimental Hypnosis</i> , 1989 , 37, 285-9	1.8	9
3	The benefits of a nap during prolonged work and wakefulness. <i>Work and Stress</i> , 1988 , 2, 139-153	6.1	68
2	A dual-probe recognition memory task for use during sustained operations. <i>Behavior Research Methods</i> , 1985 , 17, 656-658		3
1	Assessing performance upon abrupt awakening from naps during quasi-continuous operations. <i>Behavior Research Methods</i> , 1985 , 17, 37-45		108