John A Caldwell

List of Publications by Year in descending order

55 papers	2,738 citations	186265 28 h-index	182427 51 g-index
58 all docs	58 docs citations	58 times ranked	2773 citing authors

#	Article	IF	Citations
1	A review of caffeineâ€™s effects on cognitive, physical and occupational performance. Neuroscience and Biobehavioral Reviews, 2016, 71, 294-312.	6.1	465
2	Fatigue Countermeasures in Aviation. Aviation, Space, and Environmental Medicine, 2009, 80, 29-59.	0.5	206
3	Fatigue and its management in the workplace. Neuroscience and Biobehavioral Reviews, 2019, 96, 272-289.	6.1	165
4	Fatigue in aviation. Travel Medicine and Infectious Disease, 2005, 3, 85-96.	3.0	164
5	A double-blind, placebo-controlled investigation of the efficacy of modafinil for sustaining the alertness and performance of aviators: a helicopter simulator study. Psychopharmacology, 2000, 150, 272-282.	3.1	156
6	Body posture affects electroencephalographic activity and psychomotor vigilance task performance in sleep-deprived subjects. Clinical Neurophysiology, 2003, 114, 23-31.	1.5	125
7	Alertness management strategies for operational contexts. Sleep Medicine Reviews, 2008, 12, 257-273.	8.5	89
8	The Effects of 37 Hours of Continuous Wakefulness On the Physiological Arousal, Cognitive Performance, Self-Reported Mood, and Simulator Flight Performance of F-117A Pilots. Military Psychology, 2004, 16, 163-181.	1.1	88
9	Are Individual Differences in Fatigue Vulnerability Related to Baseline Differences in Cortical Activation?. Behavioral Neuroscience, 2005, 119, 694-707.	1.2	84
10	Cognitive function, stress hormones, heart rate and nutritional status during simulated captivity in military survival training. Physiology and Behavior, 2016, 165, 86-97.	2.1	76
11	Evaluation of Eye Metrics as a Detector of Fatigue. Human Factors, 2011, 53, 403-414.	3.5	59
12	Crew Schedules, Sleep Deprivation, and Aviation Performance. Current Directions in Psychological Science, 2012, 21, 85-89.	5.3	54
13	The Effects of the Removal of Electronic Devices for 48 Hours on Sleep in Elite Judo Athletes. Journal of Strength and Conditioning Research, 2017, 31, 2832-2839.	2.1	52
14	The Effect of Body Position on the Perception of Cardiac Sensations: An Experiment and Theoretical Implications. Psychophysiology, 1987, 24, 300-311.	2.4	48
15	The impact of fatigue in air medical and other types of operations: A review of fatigue facts and potential countermeasures. Air Medical Journal, 2001, 20, 25-32.	0.6	48
16	Trends and factors associated with insomnia and sleep apnea in all United States military service members from 2005 to 2014. Journal of Sleep Research, 2017, 26, 665-670.	3.2	47
17	Fatigue in military aviation: an overview of US military-approved pharmacological countermeasures. Aviation, Space, and Environmental Medicine, 2005, 76, C39-51.	0.5	47
18	Investigating systematic individual differences in sleep-deprived performance on a high-fidelity flight simulator. Behavior Research Methods, 2006, 38, 333-343.	4.0	46

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19	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
20	Caffeine use in a Super Rugby game and its relationship to postâ€game sleep. European Journal of Sport Science, 2018, 18, 513-523.	2.7	42
21	Laboratory and home comparison of wrist-activity monitors and polysomnography in middle-aged adults. Sleep and Biological Rhythms, 2018, 16, 85-97.	1.0	41
22	The Effects of Exercise as a Countermeasure for Fatigue in Sleep-Deprived Aviators. Military Psychology, 2000, 12, 249-266.	1.1	40
23	Performance and Psychophysiological Measures of Fatigue Effects on Aviation Related Tasks of Varying Difficulty. The International Journal of Aviation Psychology, 2007, 17, 219-247.	0.7	39
24	Effects of testosterone supplementation on body composition and lower-body muscle function during severe exercise- and diet-induced energy deficit: A proof-of-concept, single centre, randomised, double-blind, controlled trial. EBioMedicine, 2019, 46, 411-422.	6.1	39
25	The Effects of Exposure to Red and Blue Light on Physiological Indices and Time Estimation. Perception, 1985, 14, 19-29.	1.2	35
26	EEG Data Collected From Helicopter Pilots in Flight Are Sufficiently Sensitive to Detect Increased Fatigue From Sleep Deprivation. The International Journal of Aviation Psychology, 2002, 12, 19-32.	0.7	34
27	Gender influences on performance, mood and recovery sleep in fatigued aviators. Ergonomics, 1998, 41, 1757-1770.	2.1	33
28	The effects of body posture on resting electroencephalographic activity in sleep-deprived subjects. Clinical Neurophysiology, 2000, 111, 464-470.	1.5	31
29	Prevalence of sleep disorders and sleep problems in an elite super rugby union team. Journal of Sports Sciences, 2019, 37, 950-957.	2.0	30
30	Comparison of the Effects of Zolpidem-induced Prophylactic Naps to Placebo Naps and Forced Rest Periods in Prolonged Work Schedules. Sleep, 1998, 21, 79-90.	1.1	28
31	Modafinil's effects on simulator performance and mood in pilots during 37 h without sleep. Aviation, Space, and Environmental Medicine, 2004, 75, 777-84.	0.5	24
32	Effects of task duration on sensitivity to sleep deprivation using the multi-attribute task battery. Behavior Research Methods, 1998, 30, 651-660.	1.3	23
33	Cardiac Awareness in Infarct Patients and Normals. Psychophysiology, 1985, 22, 480-487.	2.4	22
34	Physiological and psychological effects of testosterone during severe energy deficit and recovery: A study protocol for a randomized, placebo-controlled trial for Optimizing Performance for Soldiers (OPS). Contemporary Clinical Trials, 2017, 58, 47-57.	1.8	21
35	Utility of dextroamphetamine for attenuating the impact of sleep deprivation in pilots. Aviation, Space, and Environmental Medicine, 2003, 74, 1125-34.	0.5	18
36	Recovery sleep and performance following sleep deprivation with dextroamphetamine. Journal of Sleep Research, 1997, 6, 92-101.	3.2	17

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37	Two Days of Calorie Deprivation Induced by Underfeeding and Aerobic Exercise Degrades Mood and Lowers Interstitial Glucose but Does Not Impair Cognitive Function in Young Adults. Journal of Nutrition, 2017, 147, 110-116.	2.9	16
38	Ethical Use of Cogniceuticals in the Militaries of Democratic Nations. American Journal of Bioethics, 2008, 8, 39-41.	0.9	14
39	Sleep Patterns and Alertness in an Elite Super Rugby Team During a Game Week. Journal of Human Kinetics, 2019, 67, 111-121.	1.5	14
40	Sustaining Female Helicopter Pilot Performance With Dexedrine During Sleep Deprivation. The International Journal of Aviation Psychology, 1997, 7, 15-36.	0.7	12
41	A Survey Instrument to Assess Intake of Dietary Supplements, Related Products, and Caffeine in High-Use Populations. Journal of Nutrition, 2018, 148, 1445S-1451S.	2.9	12
42	Demographics, sleep, and daily patterns of caffeine intake of shift workers in a nationally representative sample of the US adult population. Sleep, 2020, 43, .	1.1	12
43	Effects of Chemical Protective Clothing and Heat Stress on Army Helicopter Pilot Performance. Military Psychology, 1997, 9, 315-328.	1.1	10
44	Efficacy of stimulants for fatigue management: the effects of ProvigilÂ® and DexedrineÂ® on sleep-deprived aviators. Transportation Research Part F: Traffic Psychology and Behaviour, 2001, 4, 19-37.	3.7	10
45	The effect of sleep restriction on cognitive performance in elite cognitive performers: a systematic review. Sleep, 2021, 44, .	1.1	9
46	Sleep and Sleepiness of Pilots Operating Long-Range Airplane Emergency Medical Missions. Aviation, Space, and Environmental Medicine, 2014, 85, 954-959.	0.5	8
47	Effects of testosterone administration on fMRI responses to executive function, aggressive behavior, and emotion processing tasks during severe exercise- and diet-induced energy deficit. NeuroImage, 2021, 243, 118496.	4.2	7
48	Improving daytime sleep with temazepam as a countermeasure for shift lag. Aviation, Space, and Environmental Medicine, 2003, 74, 153-63.	0.5	7
49	Caffeine, Energy Beverage Consumption, Fitness, and Sleep in U.S. Army Aviation Personnel. Aerospace Medicine and Human Performance, 2020, 91, 641-650.	0.4	6
50	Differential Sensitivity of Using Simulators Versus Actual Aircraft to Evaluate the Effects of a Stimulant Medication on Aviator Performance. Military Psychology, 2000, 12, 277-291.	1.1	4
51	An education intervention in a professional female basketball team and coaching staff improves sleep and alertness. Translational Sports Medicine, 2021, 4, 419-427.	1.1	4
52	Screening for Sleep Apnea in Morbidly Obese Pilots. Aerospace Medicine and Human Performance, 2015, 86, 835-841.	0.4	3
53	A Z-score based method for comparing the relative sensitivity of behavioral and physiological metrics including cognitive performance, mood, and hormone levels. PLoS ONE, 2019, 14, e0220749.	2.5	3
54	Sleep and Aviation. , 2005, , 939-945.		0

#	Article	IF	Citations
55	Stimulants. Lung Biology in Health and Disease, 2004, , 387-446.	0.1	0