

Mounir Chennaoui

List of Publications by Year in descending order

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Version: 2024-02-01

94
papers

3,906
citations

136885

32
h-index

138417

58
g-index

100
all docs

100
docs citations

100
times ranked

5181
citing authors

#	ARTICLE	IF	CITATIONS
1	Sleep and exercise: A reciprocal issue?. <i>Sleep Medicine Reviews</i> , 2015, 20, 59-72.	3.8	460
2	Effect of acute sleep deprivation on vascular function in healthy subjects. <i>Journal of Applied Physiology</i> , 2010, 108, 68-75.	1.2	203
3	Sleep debt and obesity. <i>Annals of Medicine</i> , 2014, 46, 264-272.	1.5	185
4	The Dreem Headband compared to polysomnography for electroencephalographic signal acquisition and sleep staging. <i>Sleep</i> , 2020, 43, .	0.6	166
5	Slow-wave sleep: From the cell to the clinic. <i>Sleep Medicine Reviews</i> , 2018, 41, 113-132.	3.8	139
6	Effect of one night of sleep loss on changes in tumor necrosis factor alpha (TNF- α) levels in healthy men. <i>Cytokine</i> , 2011, 56, 318-324.	1.4	133
7	Insomnia and accidents: cross-sectional study (<sc>EQUINOX</sc>) on sleep-related home, work and car accidents in 5293 subjects with insomnia from 10 countries. <i>Journal of Sleep Research</i> , 2014, 23, 143-152.	1.7	130
8	Site-dependent effects of an acute intensive exercise on extracellular 5-HT and 5-HIAA levels in rat brain. <i>Neuroscience Letters</i> , 2001, 301, 143-146.	1.0	126
9	Changes in circulating microRNAs levels with exercise modality. <i>Journal of Applied Physiology</i> , 2013, 115, 1237-1244.	1.2	115
10	Effects of Ramadan fasting on physical performance and metabolic, hormonal, and inflammatory parameters in middle-distance runners. <i>Applied Physiology, Nutrition and Metabolism</i> , 2009, 34, 587-594.	0.9	106
11	Benefits of Sleep Extension on Sustained Attention and Sleep Pressure Before and During Total Sleep Deprivation and Recovery. <i>Sleep</i> , 2015, 38, 1935-1943.	0.6	106
12	Effects of Combined Stress during Intense Training on Cellular Immunity, Hormones and Respiratory Infections. <i>NeuroImmunoModulation</i> , 2005, 12, 164-172.	0.9	92
13	Intense training: mucosal immunity and incidence of respiratory infections. <i>European Journal of Applied Physiology</i> , 2005, 93, 421-428.	1.2	87
14	Decrease in serum leptin after prolonged physical activity in men. <i>Medicine and Science in Sports and Exercise</i> , 2002, 34, 1594-1599.	0.2	82
15	Immune and Hormonal Changes following Intense Military Training. <i>Military Medicine</i> , 2003, 168, 1034-1038.	0.4	78
16	Effect of a Probiotics Supplementation on Respiratory Infections and Immune and Hormonal Parameters during Intense Military Training. <i>Military Medicine</i> , 2007, 172, 1006-1011.	0.4	74
17	In-Flight Automatic Detection of Vigilance States Using a Single EEG Channel. <i>IEEE Transactions on Biomedical Engineering</i> , 2014, 61, 2840-2847.	2.5	73
18	Performance of an Ambulatory Dry-EEG Device for Auditory Closed-Loop Stimulation of Sleep Slow Oscillations in the Home Environment. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 88.	1.0	71

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19	Vascular response to 1week of sleep restriction in healthy subjects. A metabolic response?. <i>International Journal of Cardiology</i> , 2015, 190, 246-255.	0.8	57
20	Stress Biomarkers, Mood States, and Sleep during a Major Competition: "Success" and "Failure" Athlete's Profile of High-Level Swimmers. <i>Frontiers in Physiology</i> , 2016, 7, 94.	1.3	56
21	Effects of chronic exercise on cytokine production in white adipose tissue and skeletal muscle of rats. <i>Cytokine</i> , 2007, 40, 23-29.	1.4	55
22	Napping Reverses Increased Pain Sensitivity Due to Sleep Restriction. <i>PLoS ONE</i> , 2015, 10, e0117425.	1.1	53
23	Effects of moderate and intensive training on the hypothalamo-pituitary-adrenal axis in rats. <i>Acta Physiologica Scandinavica</i> , 2002, 175, 113-121.	2.3	52
24	Sleep and the GH/IGF-1 axis: Consequences and countermeasures of sleep loss/disorders. <i>Sleep Medicine Reviews</i> , 2020, 49, 101223.	3.8	48
25	Association between insomnia symptoms, job strain and burnout syndrome: a cross-sectional survey of 1300 financial workers. <i>BMJ Open</i> , 2017, 7, e012816.	0.8	46
26	Revisiting the value of polysomnographic data in insomnia: more than meets the eye. <i>Sleep Medicine</i> , 2020, 66, 184-200.	0.8	44
27	Sleep and biological parameters in professional burnout: A psychophysiological characterization. <i>PLoS ONE</i> , 2018, 13, e0190607.	1.1	43
28	Effects of physical training on IL-1beta, IL-6 and IL-1ra concentrations in various brain areas of the rat. <i>European Cytokine Network</i> , 2008, 19, 8-14.	1.1	43
29	Sound level intensity severely disrupts sleep in ventilated ICU patients throughout a 24-h period: a preliminary 24-h study of sleep stages and associated sound levels. <i>Annals of Intensive Care</i> , 2017, 7, 25.	2.2	42
30	Individual behavioral and neurochemical markers of unadapted decision-making processes in healthy inbred mice. <i>Brain Structure and Function</i> , 2016, 221, 4615-4629.	1.2	41
31	Total Sleep Deprivation Alters Endothelial Function in Rats: A Nonsympathetic Mechanism. <i>Sleep</i> , 2014, 37, 465-473.	0.6	39
32	Sleep Extension before Sleep Loss. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1595-1603.	0.2	39
33	Differential Kinetics in Alteration and Recovery of Cognitive Processes from a Chronic Sleep Restriction in Young Healthy Men. <i>Frontiers in Behavioral Neuroscience</i> , 2016, 10, 95.	1.0	34
34	Effects of physical training on functional activity of 5-HT 1B receptors in rat central nervous system: role of 5-HT-moduline. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2000, 361, 600-604.	1.4	33
35	Leptin response to acute prolonged exercise after training in rowers. <i>European Journal of Applied Physiology</i> , 2004, 91, 677-81.	1.2	30
36	The Impact of Genetic Variations in ADORA2A in the Association between Caffeine Consumption and Sleep. <i>Genes</i> , 2019, 10, 1021.	1.0	30

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37	Sleep extension increases IGF-I concentrations before and during sleep deprivation in healthy young men. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016, 41, 963-970.	0.9	29
38	Comparison of systemic cytokine responses after a long distance triathlon and a 100-km run: relationship to metabolic and inflammatory processes. <i>European Cytokine Network</i> , 2006, 17, 117-24.	1.1	29
39	The homeostatic and circadian sleep recovery responses after total sleep deprivation in mice. <i>Journal of Sleep Research</i> , 2017, 26, 531-538.	1.7	27
40	How does sleep help recovery from exercise-induced muscle injuries?. <i>Journal of Science and Medicine in Sport</i> , 2021, 24, 982-987.	0.6	27
41	Immune and hormonal changes following intense military training. <i>Military Medicine</i> , 2003, 168, 1034-8.	0.4	26
42	Influence of Energy Deficiency on the Insulin-like Growth Factor I Axis in a Military Training Program. <i>Hormone and Metabolic Research</i> , 2004, 36, 506-511.	0.7	23
43	Effect of acute sleep deprivation and recovery on Insulin-like Growth Factor-I responses and inflammatory gene expression in healthy men. <i>European Cytokine Network</i> , 2014, 25, 52-57.	1.1	23
44	Whole body immersion and hydromineral homeostasis: effect of water temperature. <i>European Journal of Applied Physiology</i> , 2010, 108, 49-58.	1.2	22
45	Beneficial effects of exercise training on cognitive performances during total sleep deprivation in healthy subjects. <i>Sleep Medicine</i> , 2020, 65, 26-35.	0.8	22
46	Salivary Hormones Response to Preparation and Pre-competitive Training of World-class Level Athletes. <i>Frontiers in Physiology</i> , 2015, 6, 333.	1.3	21
47	Acetylcholine chloride as a potential source of variability in the study of cutaneous vascular function in man. <i>Microvascular Research</i> , 2011, 82, 190-197.	1.1	19
48	Sleeping under the Ocean: Despite Total Isolation, Nuclear Submariners Maintain Their Sleep and Wake Patterns throughout Their Under Sea Mission. <i>PLoS ONE</i> , 2015, 10, e0126721.	1.1	19
49	Protective effects of exercise training on endothelial dysfunction induced by total sleep deprivation in healthy subjects. <i>International Journal of Cardiology</i> , 2017, 232, 76-85.	0.8	19
50	Efficacy of THN102 (a combination of modafinil and flecainide) on vigilance and cognition during 40-hour total sleep deprivation in healthy subjects: Glial connexins as a therapeutic target. <i>British Journal of Clinical Pharmacology</i> , 2019, 85, 2623-2633.	1.1	19
51	Endurance training effects on 5-HT1B receptors mRNA expression in cerebellum, striatum, frontal cortex and hippocampus of rats. <i>Neuroscience Letters</i> , 2001, 307, 33-36.	1.0	18
52	Leptin, catecholamines and free fatty acids related to reduced recovery delays after training. <i>European Journal of Applied Physiology</i> , 2004, 93, 153-158.	1.2	18
53	Daytime microsleeps during 7-days of sleep restriction followed by 13-days of sleep recovery in healthy young adults. <i>Consciousness and Cognition</i> , 2018, 61, 1-12.	0.8	17
54	The association between physical and mental chronic conditions and napping. <i>Scientific Reports</i> , 2019, 9, 1795.	1.6	17

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55	Hormonal and Metabolic Adaptation in Professional Cyclists During Training. <i>Applied Physiology, Nutrition, and Metabolism</i> , 2004, 29, 714-730.	1.7	16
56	Energy Expenditure During an Ultraendurance Alpine Climbing Race. <i>Wilderness and Environmental Medicine</i> , 2009, 20, 225-233.	0.4	15
57	Leukocyte Expression of Type 1 and Type 2 Purinergic Receptors and Pro-Inflammatory Cytokines during Total Sleep Deprivation and/or Sleep Extension in Healthy Subjects. <i>Frontiers in Neuroscience</i> , 2017, 11, 240.	1.4	15
58	Shift work, night work and sleep disorders among pastry cooks and shopkeepers in France: a cross-sectional survey. <i>BMJ Open</i> , 2018, 8, e019098.	0.8	14
59	Preconditioning Strategy in Rugby-7s Players: Beneficial or Detrimental?. <i>International Journal of Sports Physiology and Performance</i> , 2019, 14, 918-926.	1.1	14
60	Sleep and PTSD in the Military Forces: A Reciprocal Relationship and a Psychiatric Approach. <i>Brain Sciences</i> , 2021, 11, 1310.	1.1	14
61	Mouse Gambling Task reveals differential effects of acute sleep debt on decision-making and associated neurochemical changes. <i>Sleep</i> , 2018, 41, .	0.6	13
62	Genetic Determinants of Neurobehavioral Responses to Caffeine Administration during Sleep Deprivation: A Randomized, Cross Over Study (NCT03859882). <i>Genes</i> , 2021, 12, 555.	1.0	13
63	Limited Benefit of Sleep Extension on Cognitive Deficits During Total Sleep Deprivation: Illustration With Two Executive Processes. <i>Frontiers in Neuroscience</i> , 2019, 13, 591.	1.4	12
64	Effects of an intense training on functional activity of 5-HT1B receptors in human peripheral blood lymphocytes. <i>Neuroscience Letters</i> , 2005, 382, 1-4.	1.0	11
65	Changes of Cerebral and/or Peripheral Adenosine A1 Receptor and IGF-I Concentrations under Extended Sleep Duration in Rats. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2439.	1.8	10
66	Using relaxation techniques to improve sleep during naps. <i>Industrial Health</i> , 2018, 56, 220-227.	0.4	10
67	Effect of an Innovative Mattress and Cryotherapy on Sleep after an Elite Rugby Match. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 2655-2662.	0.2	10
68	Motorcycling performance and sleepiness during an extended ride on a dynamic simulator: relationship with stress biomarkers. <i>Physiological Measurement</i> , 2020, 41, 104004.	1.2	10
69	Sleep, substance misuse and addictions: a nationwide observational survey on smoking, alcohol, cannabis and sleep in 12,637 adults. <i>Journal of Sleep Research</i> , 2022, 31, e13553.	1.7	10
70	Genotyping on blood and buccal cells using loop-mediated isothermal amplification in healthy humans. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2020, 26, e00468.	2.1	8
71	Daytime Exposure to Blue-Enriched Light Counters the Effects of Sleep Restriction on Cortisol, Testosterone, Alpha-Amylase and Executive Processes. <i>Frontiers in Neuroscience</i> , 2019, 13, 1366.	1.4	7
72	Determination of the sleep-wake pattern and feasibility of NREM/REM discrimination using the non-invasive piezoelectric system in rats. <i>Journal of Sleep Research</i> , 2021, 30, e13373.	1.7	7

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73	Influence of Protein- Versus Carbohydrate-enriched Feedings on Physiological Responses During an Ultraendurance Climbing Race. <i>Hormone and Metabolic Research</i> , 2010, 42, 31-37.	0.7	6
74	Effects of Caffeine Intake on Cognitive Performance Related to Total Sleep Deprivation and Time on Task: A Randomized Cross-Over Double-Blind Study. <i>Nature and Science of Sleep</i> , 2022, Volume 14, 457-473.	1.4	6
75	Influence des paramètres anthropométriques sur la performance en aviron au niveau national. <i>Science and Sports</i> , 2004, 19, 327-329.	0.2	5
76	Auditory closed-loop stimulation to enhance sleep quality. <i>Journal of Science and Medicine in Sport</i> , 2017, 20, S95.	0.6	5
77	Hyperactivity of the Sympatho-Adrenomedullary System Without Any Modification of the Hypothalamic-Pituitary-Adrenal Axis After Food Restriction Among High-Level Weightlifters. <i>Journal of Strength and Conditioning Research</i> , 2018, 32, 1643-1655.	1.0	5
78	Lengthening of the photoperiod influences sleep characteristics before and during total sleep deprivation in rat. <i>Journal of Sleep Research</i> , 2019, 28, e12709.	1.7	5
79	Optimising sounds for the driving of sleep oscillations by closed-loop auditory stimulation. <i>Journal of Sleep Research</i> , 2022, 31, .	1.7	4
80	Food restriction alters salivary cortisol and α -amylase responses to a simulated weightlifting competition without significant performance modification. <i>Journal of Sports Sciences</i> , 2018, 36, 536-544.	1.0	3
81	Strategies to Limit Cognitive Impairments under Sleep Restriction: Relationship to Stress Biomarkers. <i>Brain Sciences</i> , 2022, 12, 229.	1.1	3
82	Translation, Cross-Cultural Adaptation and Preliminary Validation of a French Version of the Trauma-Related Nightmare Survey (TRNS-FR) in a PTSD Veteran Population. <i>Military Medicine</i> , 2022, , .	0.4	3
83	Application of the polymerase chain reaction to the RNase protection assay for 5-HT1B receptor mRNA levels measurement in rat brain tissues. <i>Brain Research Protocols</i> , 1999, 4, 322-328.	1.7	2
84	Cytokine content in lymphoid and white adipose tissues after repeated CpG oligodeoxynucleotide administration in trained rats. <i>Vaccine</i> , 2010, 28, 1814-1818.	1.7	2
85	Development of a specific index to detect malnutrition in athletes: Validity in weight class or intermittent fasted athletes. <i>Biochimie Open</i> , 2017, 4, 1-7.	3.2	2
86	Benefits of Thalassotherapy with Sleep Management on Mood States and Well-being, and Cognitive and Physical Capacities in Healthy Workers. , 2018, 07, .		2
87	Genetics and Cognitive Vulnerability to Sleep Deprivation in Healthy Subjects: Interaction of ADORA2A, TNF- α and COMT Polymorphisms. <i>Life</i> , 2021, 11, 1110.	1.1	2
88	Sleep and COVID-19. A Case Report of a Mild COVID-19 Patient Monitored by Consumer-Targeted Sleep Wearables. <i>Sensors</i> , 2021, 21, 7944.	2.1	2
89	The effects of long-term adrenalectomy on 5-HT1B receptors mRNA expression in cerebellum, striatum, frontal cortex and hippocampus of rats. <i>Neuroscience Letters</i> , 2003, 340, 131-134.	1.0	1
90	Larger strength losses and muscle activation deficits in plantar flexors induced by backward downhill in reference to distance-matched forward uphill treadmill walk. <i>European Journal of Sport Science</i> , 2018, 18, 1346-1356.	1.4	1

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91	0419 Prevalence And Sociodemographics Associated With Total Sleep Time In France And Insomnia In 12370 Individuals. Barometre Sant� Publique France 2017.. Sleep, 2019, 42, A169-A170.	0.6	1
92	La fatigue�: m�canismes et cons�quences. Science and Sports, 2004, 19, 270-279.	0.2	0
93	Influence of a high carbohydrate diet on the functional activity of 5-HT1B/1D receptors on human peripheral blood lymphocytes during intense military training. European Cytokine Network, 2006, 17, 67-74.	1.1	0
94	Gestion et optimisation du sommeil. Revue Defense Nationale, 2022, N� Hors-s�rie, 79-88.	0.0	0