

Luigi De Gennaro

List of Publications by Year in descending order

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233
papers

15,853
citations

28274
55
h-index

40979
93
g-index

241
all docs

241
docs citations

241
times ranked

20154
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate Change 2013 – The Physical Science Basis. , 2014, , .		4,236
2	Sleep loss, learning capacity and academic performance. Sleep Medicine Reviews, 2006, 10, 323-337.	8.5	905
3	Sleep spindles: an overview. Sleep Medicine Reviews, 2003, 7, 423-440.	8.5	784
4	Validity of the Italian Version of the Pittsburgh Sleep Quality Index (PSQI). Neurological Sciences, 2013, 34, 511-519.	1.9	406
5	Consensus paper: Combining transcranial stimulation with neuroimaging. Brain Stimulation, 2009, 2, 58-80.	1.6	299
6	How much sleep do we need?. Sleep Medicine Reviews, 2001, 5, 155-179.	8.5	247
7	Sleep and emotional processing. Sleep Medicine Reviews, 2018, 40, 183-195.	8.5	245
8	The electroencephalographic fingerprint of sleep is genetically determined: A twin study. Annals of Neurology, 2008, 64, 455-460.	5.3	228
9	An electroencephalographic fingerprint of human sleep. Neurolmage, 2005, 26, 114-122.	4.2	217
10	Insomnia, anxiety, and depression during the COVID-19 pandemic: an international collaborative study. Sleep Medicine, 2021, 87, 38-45.	1.6	177
11	Poor Sleep Quality and Its Consequences on Mental Health During the COVID-19 Lockdown in Italy. Frontiers in Psychology, 2020, 11, 574475.	2.1	159
12	Lack of sleep affects the evaluation of emotional stimuli. Brain Research Bulletin, 2010, 82, 104-108.	3.0	157
13	The boundary between wakefulness and sleep: quantitative electroencephalographic changes during the sleep onset period. Neuroscience, 2001, 107, 1-11.	2.3	147
14	Dissociated wake-like and sleep-like electro-cortical activity during sleep. Neurolmage, 2011, 58, 612-619.	4.2	139
15	Antero-posterior EEG changes during the wakefulness–sleep transition. Clinical Neurophysiology, 2001, 112, 1901-1911.	1.5	136
16	Is the brain influenced by a phone call?. Neuroscience Research, 2005, 53, 265-270.	1.9	123
17	Recalling and Forgetting Dreams: Theta and Alpha Oscillations during Sleep Predict Subsequent Dream Recall. Journal of Neuroscience, 2011, 31, 6674-6683.	3.6	117
18	Parietal Fast Sleep Spindle Density Decrease in Alzheimer’s Disease and Amnesic Mild Cognitive Impairment. Neural Plasticity, 2016, 2016, 1-10.	2.2	117

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19	Neurophysiological correlates of sleepiness: A combined TMS and EEG study. <i>NeuroImage</i> , 2007, 36, 1277-1287.	4.2	114
20	Mobile phone emissions and human brain excitability. <i>Annals of Neurology</i> , 2006, 60, 188-196.	5.3	110
21	The effects of sleep and sleep deprivation on task-switching performance. <i>Journal of Sleep Research</i> , 2010, 19, 64-70.	3.2	107
22	Enhancing Human Cognition with Cocoa Flavonoids. <i>Frontiers in Nutrition</i> , 2017, 4, 19.	3.7	104
23	Age dependence of primary motor cortex plasticity induced by paired associative stimulation. <i>Clinical Neurophysiology</i> , 2008, 119, 675-682.	1.5	103
24	The Impact of Event Scale. <i>Journal of Psychosomatic Research</i> , 2003, 55, 389-393.	2.6	101
25	Neurophysiological effects of mobile phone electromagnetic fields on humans: A comprehensive review. <i>Bioelectromagnetics</i> , 2007, 28, 415-432.	1.6	101
26	The spontaneous K-complex during stage 2 sleep: is it the "forerunner" of delta waves?. <i>Neuroscience Letters</i> , 2000, 291, 41-43.	2.1	100
27	Modulation of corticospinal excitability by paired associative stimulation: Reproducibility of effects and intraindividual reliability. <i>Clinical Neurophysiology</i> , 2006, 117, 2667-2674.	1.5	99
28	The complementary relationship between waking and REM sleep in the oculomotor system: an increase of rightward saccades during waking causes a decrease of rightward eye movements during REM sleep. <i>Electroencephalography and Clinical Neurophysiology</i> , 1995, 95, 252-256.	0.3	96
29	Changes in fronto-posterior functional coupling at sleep onset in humans. <i>Journal of Sleep Research</i> , 2004, 13, 209-217.	3.2	93
30	How we fall asleep: regional and temporal differences in electroencephalographic synchronization at sleep onset. <i>Sleep Medicine</i> , 2013, 14, 1112-1122.	1.6	92
31	Hippocampal sleep spindles preceding neocortical sleep onset in humans. <i>NeuroImage</i> , 2014, 86, 425-432.	4.2	92
32	Handedness is mainly associated with an asymmetry of corticospinal excitability and not of transcallosal inhibition. <i>Clinical Neurophysiology</i> , 2004, 115, 1305-1312.	1.5	90
33	Paradoxes of the first-night effect: a quantitative analysis of antero-posterior EEG topography. <i>Clinical Neurophysiology</i> , 2004, 115, 1178-1188.	1.5	88
34	Local aspects of sleep. <i>Progress in Brain Research</i> , 2012, 199, 219-232.	1.4	87
35	Sleep and β -Amyloid Deposition in Alzheimer Disease: Insights on Mechanisms and Possible Innovative Treatments. <i>Frontiers in Pharmacology</i> , 2019, 10, 695.	3.5	85
36	The effects of sleep deprivation in humans: topographical electroencephalogram changes in non-rapid eye movement (NREM) sleep versus REM sleep. <i>Journal of Sleep Research</i> , 2010, 19, 260-268.	3.2	83

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37	The Fall of Sleep K-Complex in Alzheimer Disease. Scientific Reports, 2017, 7, 39688.	3.3	80
38	Regional Differences of the Human Sleep Electroencephalogram in Response to Selective Slow-wave Sleep Deprivation. Cerebral Cortex, 2002, 12, 737-748.	2.9	75
39	Visual search performance across 40 h of continuous wakefulness: Measures of speed and accuracy and relation with oculomotor performance. Physiology and Behavior, 2001, 74, 197-204.	2.1	74
40	The Functional Role of Dreaming in Emotional Processes. Frontiers in Psychology, 2019, 10, 459.	2.1	73
41	Sleep to find your way: The role of sleep in the consolidation of memory for navigation in humans. Hippocampus, 2008, 18, 844-851.	1.9	72
42	Oculomotor impairment after 1 night of total sleep deprivation: a dissociation between measures of speed and accuracy. Clinical Neurophysiology, 2000, 111, 1771-1778.	1.5	71
43	Electroencephalographic sleep inertia of the awakening brain. Neuroscience, 2011, 176, 308-317.	2.3	71
44	Slow eye movements and EEG power spectra during wake-sleep transition. Clinical Neurophysiology, 2000, 111, 2107-2115.	1.5	69
45	Antero-posterior functional coupling at sleep onset: changes as a function of increased sleep pressure. Brain Research Bulletin, 2005, 65, 133-140.	3.0	69
46	Amygdala and hippocampus volumetry and diffusivity in relation to dreaming. Human Brain Mapping, 2011, 32, 1458-1470.	3.6	67
47	Emotional memory processing is influenced by sleep quality. Sleep Medicine, 2015, 16, 862-870.	1.6	64
48	Pandemic nightmares: Effects on dream activity of the COVID-19 lockdown in Italy. Journal of Sleep Research, 2021, 30, e13300.	3.2	64
49	Activation of the motor cortex during phasic rapid eye movement sleep. Annals of Neurology, 2016, 79, 326-330.	5.3	63
50	Selective slow-wave sleep deprivation and time-of-night effects on cognitive performance upon awakening. Psychophysiology, 2000, 37, 440-446.	2.4	60
51	Sleep in the Human Hippocampus: A Stereo-EEG Study. PLoS ONE, 2007, 2, e867.	2.5	60
52	Going Local: Insights from EEG and Stereo-EEG Studies of the Human Sleep-Wake Cycle. Current Topics in Medicinal Chemistry, 2011, 11, 2423-2437.	2.1	60
53	Callosal effects of transcranial magnetic stimulation (TMS): the influence of gender and stimulus parameters. Neuroscience Research, 2004, 48, 129-137.	1.9	59
54	Topographic electroencephalogram changes associated with psychomotor vigilance task performance after sleep deprivation. Sleep Medicine, 2014, 15, 1132-1139.	1.6	59

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55	The relationship between alexithymia, depression, and sleep complaints. <i>Psychiatry Research</i> , 2004, 128, 253-258.	3.3	58
56	The electroencephalographic substratum of the awakening. <i>Behavioural Brain Research</i> , 2006, 167, 237-244.	2.2	58
57	Increased cortical plasticity in the elderly: changes in the somatosensory cortex after paired associative stimulation. <i>Neuroscience</i> , 2009, 163, 266-276.	2.3	58
58	Long-Term Impact of Earthquakes on Sleep Quality. <i>PLoS ONE</i> , 2013, 8, e55936.	2.5	58
59	Beyond the neuropsychology of dreaming: Insights into the neural basis of dreaming with new techniques of sleep recording and analysis. <i>Sleep Medicine Reviews</i> , 2017, 35, 8-20.	8.5	55
60	Slow Eye Movements and Subjective Estimates of Sleepiness Predict EEG Power Changes During Sleep Deprivation. <i>Sleep</i> , 2007, 30, 610-616.	1.1	54
61	Slow EEG rhythms and inter-hemispheric synchronization across sleep and wakefulness in the human hippocampus. <i>NeuroImage</i> , 2012, 60, 497-504.	4.2	52
62	Later School Start Time: The Impact of Sleep on Academic Performance and Health in the Adolescent Population. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2574.	2.6	52
63	Pandemic dreams: quantitative and qualitative features of the oneiric activity during the lockdown due to COVID-19 in Italy. <i>Sleep Medicine</i> , 2021, 81, 20-32.	1.6	51
64	The relationship between frequency of rapid eye movements in REM sleep and SWS rebound. <i>Journal of Sleep Research</i> , 2000, 9, 155-159.	3.2	50
65	Cortical Plasticity Induced by Transcranial Magnetic Stimulation during Wakefulness Affects Electroencephalogram Activity during Sleep. <i>PLoS ONE</i> , 2008, 3, e2483.	2.5	50
66	Is Sleep Essential for Neural Plasticity in Humans, and How Does It Affect Motor and Cognitive Recovery?. <i>Neural Plasticity</i> , 2013, 2013, 1-13.	2.2	49
67	Sleep electroencephalography and brain maturation: developmental trajectories and the relation with cognitive functioning. <i>Sleep Medicine</i> , 2020, 66, 33-50.	1.6	49
68	COVID-19 lockdown and poor sleep quality: Not the whole story. <i>Journal of Sleep Research</i> , 2021, 30, e13368.	3.2	49
69	Cortical connectivity modulation during sleep onset: A study via graph theory on EEG data. <i>Human Brain Mapping</i> , 2017, 38, 5456-5464.	3.6	48
70	Flavanol-rich chocolate acutely improves arterial function and working memory performance counteracting the effects of sleep deprivation in healthy individuals. <i>Journal of Hypertension</i> , 2016, 34, 1298-1308.	0.5	47
71	The effects of slow-wave sleep (SWS) deprivation and time of night on behavioral performance upon awakening. <i>Physiology and Behavior</i> , 1999, 68, 55-61.	2.1	46
72	The role of sleep in the consolidation of route learning in humans: A behavioural study. <i>Brain Research Bulletin</i> , 2006, 71, 4-9.	3.0	45

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73	Systematic review and meta-analysis of psychomotor effects of mobile phone electromagnetic fields. <i>Occupational and Environmental Medicine</i> , 2010, 67, 708-716.	2.8	44
74	Predicting Dream Recall: EEG Activation During NREM Sleep or Shared Mechanisms with Wakefulness?. <i>Brain Topography</i> , 2017, 30, 629-638.	1.8	44
75	Different maturational changes of fast and slow sleep spindles in the first four years of life. <i>Sleep Medicine</i> , 2018, 42, 73-82.	1.6	44
76	Evening-types show highest increase of sleep and mental health problems during the COVID-19 pandemic—multinational study on 19 267 adults. <i>Sleep</i> , 2022, 45, .	1.1	42
77	Time-course of electromagnetic field effects on human performance and tympanic temperature. <i>NeuroReport</i> , 2004, 15, 161-164.	1.2	41
78	How we remember the stuff that dreams are made of: Neurobiological approaches to the brain mechanisms of dream recall. <i>Behavioural Brain Research</i> , 2012, 226, 592-596.	2.2	41
79	Sleep and daytime problems during the COVID-19 pandemic and effects of coronavirus infection, confinement and financial suffering: a multinational survey using a harmonised questionnaire. <i>BMJ Open</i> , 2021, 11, e050672.	1.9	41
80	Procedural learning and sleep hippocampal low frequencies in humans. <i>NeuroImage</i> , 2008, 42, 911-918.	4.2	39
81	Effect of total sleep deprivation on the landmarks of stage 2 sleep. <i>Clinical Neurophysiology</i> , 2003, 114, 2279-2285.	1.5	38
82	Dorsolateral prefrontal transcranial magnetic stimulation in patients with major depression locally affects alpha power of REM sleep. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 433.	2.0	38
83	Gender Differences in Sleep Deprivation Effects on Risk and Inequality Aversion: Evidence from an Economic Experiment. <i>PLoS ONE</i> , 2015, 10, e0120029.	2.5	38
84	The Efficacy of Transcranial Current Stimulation Techniques to Modulate Resting-State EEG, to Affect Vigilance and to Promote Sleepiness. <i>Brain Sciences</i> , 2018, 8, 137.	2.3	38
85	Electrical stimulation of the frontal cortex enhances slow-frequency EEG activity and sleepiness. <i>Neuroscience</i> , 2016, 324, 119-130.	2.3	37
86	In Search of Sleep Biomarkers of Alzheimer's Disease: K-Complexes Do Not Discriminate between Patients with Mild Cognitive Impairment and Healthy Controls. <i>Brain Sciences</i> , 2017, 7, 51.	2.3	37
87	The association between high risk of sleep apnea, comorbidities, and risk of COVID-19: a population-based international harmonized study. <i>Sleep and Breathing</i> , 2021, 25, 849-860.	1.7	37
88	Reproducibility of callosal effects of transcranial magnetic stimulation (TMS) with interhemispheric paired pulses. <i>Neuroscience Research</i> , 2003, 46, 219-227.	1.9	36
89	Quantitative Electroencephalogram (EEG) in Insomnia: A New Window on Pathophysiological Mechanisms. <i>Current Pharmaceutical Design</i> , 2008, 14, 3446-3455.	1.9	36
90	A specific deficit in spatial memory acquisition in post-traumatic stress disorder and the role of sleep in its consolidation. <i>Hippocampus</i> , 2012, 22, 1154-1163.	1.9	36

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91	Dopaminergic system and dream recall: An MRI study in Parkinson's disease patients. Human Brain Mapping, 2016, 37, 1136-1147.	3.6	36
92	Functional connectivity changes in insomnia disorder: A systematic review. Sleep Medicine Reviews, 2022, 61, 101569.	8.5	36
93	Alexithymia and Dream Recall Upon Spontaneous Morning Awakening. Psychosomatic Medicine, 2003, 65, 301-306.	2.0	35
94	Sleep EEG oscillations in neurodevelopmental disorders without intellectual disabilities. Sleep Medicine Reviews, 2020, 49, 101224.	8.5	35
95	EEG oscillations during sleep and dream recall: state- or trait-like individual differences?. Frontiers in Psychology, 2015, 6, 605.	2.1	34
96	A Correlational Analysis of the Relationships among Intolerance of Uncertainty, Anxiety Sensitivity, Subjective Sleep Quality, and Insomnia Symptoms. International Journal of Environmental Research and Public Health, 2019, 16, 3253.	2.6	34
97	Nurses and Night Shifts: Poor Sleep Quality Exacerbates Psychomotor Performance. Frontiers in Neuroscience, 2020, 14, 579938.	2.8	34
98	EEG alterations during wake and sleep in mild cognitive impairment and Alzheimer's disease. IScience, 2021, 24, 102386.	4.1	34
99	The Cyclic Alternating Pattern Decreases as a Consequence of Total Sleep Deprivation and Correlates with EEG Arousals. Neuropsychobiology, 2002, 45, 95-98.	1.9	33
100	Psychiatric Comorbidity in Learning Disorder: Analysis of Family Variables. Child Psychiatry and Human Development, 2008, 39, 101-110.	1.9	33
101	Rapid eye movements density as a measure of sleep need: REM density decreases linearly with the reduction of prior sleep duration. Electroencephalography and Clinical Neurophysiology, 1996, 99, 556-561.	0.3	32
102	Effect of slow-wave sleep deprivation on topographical distribution of spindles. Behavioural Brain Research, 2000, 116, 55-59.	2.2	32
103	EEG Arousals in Normal Sleep: Variations Induced by Total and Selective Slow-wave Sleep Deprivation. Sleep, 2001, 24, 673-679.	1.1	32
104	State- or trait-like individual differences in dream recall: preliminary findings from a within-subjects study of multiple nap REM sleep awakenings. Frontiers in Psychology, 2015, 6, 928.	2.1	32
105	Disconnected Body Representation: Neuroplasticity Following Spinal Cord Injury. Journal of Clinical Medicine, 2019, 8, 2144.	2.4	32
106	Psychosocial factors and male seminal parameters. Biological Psychology, 2000, 53, 1-11.	2.2	31
107	Hippocampal Sleep Features: Relations to Human Memory Function. Frontiers in Neurology, 2012, 3, 57.	2.4	31
108	Spotlight on dream recall: the ages of dreams. Nature and Science of Sleep, 2018, Volume 10, 1-12.	2.7	31

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109	Not only a Problem of Fatigue and Sleepiness: Changes in Psychomotor Performance in Italian Nurses across 8-h Rapidly Rotating Shifts. <i>Journal of Clinical Medicine</i> , 2019, 8, 47.	2.4	31
110	Reduced sympathetic outflow and adrenal secretory activity during a 40-day stay in the Antarctic. <i>International Journal of Psychophysiology</i> , 2003, 49, 17-27.	1.0	30
111	Oculomotor changes are associated to daytime sleepiness in the multiple sleep latency test. <i>Journal of Sleep Research</i> , 2005, 14, 107-112.	3.2	30
112	Recovery sleep after sleep deprivation almost completely abolishes dream recall. <i>Behavioural Brain Research</i> , 2010, 206, 293-298.	2.2	30
113	Subclinical epileptiform activity during sleep in Alzheimer's disease and mild cognitive impairment. <i>Clinical Neurophysiology</i> , 2020, 131, 1011-1018.	1.5	30
114	How our Dreams Changed During the COVID-19 Pandemic: Effects and Correlates of Dream Recall Frequency - a Multinational Study on 19,355 Adults. <i>Nature and Science of Sleep</i> , 2021, Volume 13, 1573-1591.	2.7	30
115	Mapping changes in cortical activity during sleep in the first 4 years of life. <i>Journal of Sleep Research</i> , 2016, 25, 381-389.	3.2	28
116	<p></p>The Association Between School Start Time and Sleep Duration, Sustained Attention, and Academic Performance</p>. <i>Nature and Science of Sleep</i> , 2020, Volume 12, 1161-1172.	2.7	28
117	<p></p>Effects of Total and Partial Sleep Deprivation on Reflection Impulsivity and Risk-Taking in Deliberative Decision-Making</p>. <i>Nature and Science of Sleep</i> , 2020, Volume 12, 309-324.	2.7	28
118	Sleep-Related Problems in Night Shift Nurses: Towards an Individualized Interventional Practice. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 644570.	2.0	28
119	Effects of Sleep Loss on Waking Actigraphy. <i>Sleep</i> , 2000, 23, 1-5.	1.1	27
120	Interhemispheric Transfer Deficit in Alexithymia: A Transcranial Magnetic Stimulation Study. <i>Psychotherapy and Psychosomatics</i> , 2008, 77, 175-181.	8.8	27
121	The impact of one night of sleep deprivation on moral judgments. <i>Social Neuroscience</i> , 2012, 7, 292-300.	1.3	27
122	Narcolepsy and emotional experience: a review of the literature. <i>Behavioral and Brain Functions</i> , 2018, 14, 19.	3.3	27
123	Mental Sleep Activity and Disturbing Dreams in the Lifespan. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3658.	2.6	27
124	The impact of the end of COVID confinement on pandemic dreams, as assessed by a weekly sleep diary: a longitudinal investigation in Italy. <i>Journal of Sleep Research</i> , 2022, 31, e13429.	3.2	27
125	Bilateral 5â€‰Hz transcranial alternating current stimulation on fronto-temporal areas modulates resting-state EEG. <i>Scientific Reports</i> , 2017, 7, 15672.	3.3	26
126	Psychomotor performance is not influenced by brief repeated exposures to mobile phones. <i>Bioelectromagnetics</i> , 2008, 29, 237-241.	1.6	25

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127	EEG topography during sleep inertia upon awakening after a period of increased homeostatic sleep pressure. <i>Sleep Medicine</i> , 2015, 16, 883-890.	1.6	25
128	Nightmares in People with COVID-19: Did Coronavirus Infect Our Dreams?. <i>Nature and Science of Sleep</i> , 2022, Volume 14, 93-108.	2.7	25
129	Which hemisphere falls asleep first?. <i>Neuropsychologia</i> , 1995, 33, 815-822.	1.6	24
130	Interhemispheric asymmetry of human sleep EEG in response to selective slow-wave sleep deprivation.. <i>Behavioral Neuroscience</i> , 2002, 116, 976-981.	1.2	24
131	“Stay at Home” in Italy during the COVID-19 Outbreak: A Longitudinal Study on Individual Well-Being among Different Age Groups. <i>Brain Sciences</i> , 2021, 11, 993.	2.3	24
132	A Finger-Tapping Task and a Reaction Time Task as Behavioral Measures of the Transition From Wakefulness to Sleep: Which Task Interferes Less With the Sleep Onset Process?. <i>Sleep</i> , 1997, 20, 301-312.	1.1	23
133	Cortical EEG topography of REM onset: the posterior dominance of middle and high frequencies. <i>Clinical Neurophysiology</i> , 2002, 113, 561-570.	1.5	23
134	Can an inert sleeping pill affect sleep? Effects on polysomnographic, behavioral and subjective measures. <i>Psychopharmacology</i> , 2005, 181, 761-770.	3.1	23
135	The impact of five nights of sleep restriction on emotional reactivity. <i>Journal of Sleep Research</i> , 2020, 29, e13022.	3.2	23
136	Psychosocial factors discriminate oligozoospermic from normozoospermic men. <i>Fertility and Sterility</i> , 2003, 79, 1571-1576.	1.0	22
137	Reduction of Transcallosal Inhibition upon Awakening from REM Sleep in Humans as Assessed by Transcranial Magnetic Stimulation. <i>Sleep</i> , 2004, 27, 875-882.	1.1	22
138	Corticospinal excitability and sleep: a motor threshold assessment by transcranial magnetic stimulation after awakenings from REM and NREM sleep. <i>Journal of Sleep Research</i> , 2004, 13, 31-36.	3.2	22
139	The effect of sleep deprivation on the encoding of contextual and non-contextual aspects of emotional memory. <i>Neurobiology of Learning and Memory</i> , 2016, 131, 9-17.	1.9	22
140	Advances in Understanding the Relationship between Sleep and Attention Deficit-Hyperactivity Disorder (ADHD). <i>Journal of Clinical Medicine</i> , 2019, 8, 1737.	2.4	22
141	Use of varenicline in smokeless tobacco cessation influences sleep quality and dream recall frequency but not dream affect. <i>Sleep Medicine</i> , 2017, 30, 1-6.	1.6	21
142	Social Jetlag Changes During the COVID-19 Pandemic as a Predictor of Insomnia “ A Multi-National Survey Study. <i>Nature and Science of Sleep</i> , 2021, Volume 13, 1711-1722.	2.7	21
143	Disturbances in sleep, circadian rhythms and daytime functioning in relation to coronavirus infection and Longâ€COVID “ A multinational ICOS study. <i>Journal of Sleep Research</i> , 2022, 31, e13542.	3.2	21
144	Interhemispheric asymmetry of human sleep EEG in response to selective slow-wave sleep deprivation.. <i>Behavioral Neuroscience</i> , 2002, 116, 976-981.	1.2	21

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145	Auditory arousal thresholds after selective slow-wave sleep deprivation. <i>Clinical Neurophysiology</i> , 1999, 110, 2148-2152.	1.5	20
146	Regional differences of the temporal EEG dynamics during the first 30 min of human sleep. <i>Neuroscience Research</i> , 2002, 44, 83-89.	1.9	20
147	Acute Mobile Phones Exposure Affects Frontal Cortex Hemodynamics as Evidenced by Functional Near-Infrared Spectroscopy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 903-910.	4.3	20
148	Hippocampal slow EEG frequencies during NREM sleep are involved in spatial memory consolidation in humans. <i>Hippocampus</i> , 2014, 24, 1157-1168.	1.9	20
149	The effect of sleep deprivation on retrieval of emotional memory: a behavioural study using film stimuli. <i>Experimental Brain Research</i> , 2017, 235, 3059-3067.	1.5	20
150	Sleep talking: A viable access to mental processes during sleep. <i>Sleep Medicine Reviews</i> , 2019, 44, 12-22.	8.5	20
151	Sleep in Isolated, Confined, and Extreme (ICE): A Review on the Different Factors Affecting Human Sleep in ICE. <i>Frontiers in Neuroscience</i> , 2020, 14, 851.	2.8	20
152	Boosting Slow Oscillations during Sleep to Improve Memory Function in Elderly People: A Review of the Literature. <i>Brain Sciences</i> , 2020, 10, 300.	2.3	20
153	Can taking a nap during a night shift counteract the impairment of executive skills in residents?. <i>Medical Education</i> , 2013, 47, 1013-1021.	2.1	19
154	Cortical activation during sleep predicts dream experience in narcolepsy. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 445-455.	3.7	19
155	<p>Bilateral Theta Transcranial Alternating Current Stimulation (tACS) Modulates EEG Activity: When tACS Works Awake It Also Works Asleep<p>. <i>Nature and Science of Sleep</i> , 2019, Volume 11, 343-356.	2.7	19
156	Pre-sleep arousal and sleep quality during the COVID-19 lockdown in Italy. <i>Sleep Medicine</i> , 2021, 88, 46-57.	1.6	19
157	Sleep deprivation suppresses the increase of rapid eye movement density across sleep cycles. <i>Journal of Sleep Research</i> , 2011, 20, 386-394.	3.2	18
158	Voluntary Oculomotor Performance Upon Awakening After Total Sleep Deprivation. <i>Sleep</i> , 2000, 23, 1-11.	1.1	17
159	Auditory evoked responses upon awakening from sleep in human subjects. <i>Neuroscience Letters</i> , 2001, 310, 145-148.	2.1	17
160	Topographical changes in N1-P2 amplitude upon awakening from recovery sleep after slow-wave sleep deprivation. <i>Clinical Neurophysiology</i> , 2002, 113, 1183-1190.	1.5	17
161	Intracortical inhibition and facilitation upon awakening from different sleep stages: a transcranial magnetic stimulation study. <i>European Journal of Neuroscience</i> , 2004, 19, 3099-3104.	2.6	17
162	The Influence of Sleep Quality, Vigilance, and Sleepiness on Driving-Related Cognitive Abilities: A Comparison between Young and Older Adults. <i>Brain Sciences</i> , 2020, 10, 327.	2.3	17

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163	Sleep-Based Interventions in Alzheimer's Disease: Promising Approaches from Prevention to Treatment along the Disease Trajectory. <i>Pharmaceuticals</i> , 2021, 14, 383.	3.8	17
164	EEG Patterns Prior to Motor Activations of Parasomnias: A Systematic Review. <i>Nature and Science of Sleep</i> , 2021, Volume 13, 713-728.	2.7	17
165	Directional Information Flows between Brain Hemispheres during Presleep Wake and Early Sleep Stages. <i>Cerebral Cortex</i> , 2007, 17, 1970-1978.	2.9	16
166	Spatiotemporal Dynamics of Sleep Spindle Sources Across NREM Sleep Cycles. <i>Frontiers in Neuroscience</i> , 2019, 13, 727.	2.8	16
167	Dream Recall upon Awakening from Non-Rapid Eye Movement Sleep in Older Adults: Electrophysiological Pattern and Qualitative Features. <i>Brain Sciences</i> , 2020, 10, 343.	2.3	16
168	The electroencephalographic features of the sleep onset process and their experimental manipulation with sleep deprivation and transcranial electrical stimulation protocols. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 114, 25-37.	6.1	16
169	Go Virtual to Get Real: Virtual Reality as a Resource for Spinal Cord Treatment. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1819.	2.6	16
170	<scp>What about dreams</scp>? State of the art and open questions. <i>Journal of Sleep Research</i> , 2022, 31, .	3.2	16
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