

# Luigi De Gennaro

## List of Publications by Year in descending order

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Version: 2024-02-01

233  
papers

15,853  
citations

28190

55  
h-index

40881

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.  | 3.8 | 905       |
| 3  | Sleep spindles: an overview. Sleep Medicine Reviews, 2003, 7, 423-440.  | 3.8 | 784       |
| 4  | Validity of the Italian Version of the Pittsburgh Sleep Quality Index (PSQI). Neurological Sciences, 2013, 34, 511-519.                                   | 0.9 | 406       |
| 5  | Consensus paper: Combining transcranial stimulation with neuroimaging. Brain Stimulation, 2009, 2, 58-80.   | 0.7 | 299       |
| 6  | How much sleep do we need?. Sleep Medicine Reviews, 2001, 5, 155-179.   | 3.8 | 247       |
| 7  | Sleep and emotional processing. Sleep Medicine Reviews, 2018, 40, 183-195.  | 3.8 | 245       |
| 8  | The electroencephalographic fingerprint of sleep is genetically determined: A twin study. Annals of Neurology, 2008, 64, 455-460.                         | 2.8 | 228       |
| 9  | An electroencephalographic fingerprint of human sleep. NeuroImage, 2005, 26, 114-122.   | 2.1 | 217       |
| 10 | Insomnia, anxiety, and depression during the COVID-19 pandemic: an international collaborative study. Sleep Medicine, 2021, 87, 38-45.                    | 0.8 | 177       |
| 11 | Poor Sleep Quality and Its Consequences on Mental Health During the COVID-19 Lockdown in Italy. Frontiers in Psychology, 2020, 11, 574475.                | 1.1 | 159       |
| 12 | Lack of sleep affects the evaluation of emotional stimuli. Brain Research Bulletin, 2010, 82, 104-108.  | 1.4 | 157       |
| 13 | The boundary between wakefulness and sleep: quantitative electroencephalographic changes during the sleep onset period. Neuroscience, 2001, 107, 1-11.    | 1.1 | 147       |
| 14 | Dissociated wake-like and sleep-like electro-cortical activity during sleep. NeuroImage, 2011, 58, 612-619.   | 2.1 | 139       |
| 15 | Antero-posterior EEG changes during the wakefulness–sleep transition. Clinical Neurophysiology, 2001, 112, 1901-1911.                                     | 0.7 | 136       |
| 16 | Is the brain influenced by a phone call?. Neuroscience Research, 2005, 53, 265-270.   | 1.0 | 123       |
| 17 | Recalling and Forgetting Dreams: Theta and Alpha Oscillations during Sleep Predict Subsequent Dream Recall. Journal of Neuroscience, 2011, 31, 6674-6683. | 1.7 | 117       |
| 18 | Parietal Fast Sleep Spindle Density Decrease in Alzheimer’s Disease and Amnesic Mild Cognitive Impairment. Neural Plasticity, 2016, 2016, 1-10.           | 1.0 | 117       |

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|----|--|-----|-----------|
| 19 | Neurophysiological correlates of sleepiness: A combined TMS and EEG study. <i>NeuroImage</i> , 2007, 36, 1277-1287.  | 2.1 | 114       |
| 20 | Mobile phone emissions and human brain excitability. <i>Annals of Neurology</i> , 2006, 60, 188-196.   | 2.8 | 110       |
| 21 | The effects of sleep and sleep deprivation on task-switching performance. <i>Journal of Sleep Research</i> , 2010, 19, 64-70.  | 1.7 | 107       |
| 22 | Enhancing Human Cognition with Cocoa Flavonoids. <i>Frontiers in Nutrition</i> , 2017, 4, 19.  | 1.6 | 104       |
| 23 | Age dependence of primary motor cortex plasticity induced by paired associative stimulation. <i>Clinical Neurophysiology</i> , 2008, 119, 675-682.   | 0.7 | 103       |
| 24 | The Impact of Event Scale. <i>Journal of Psychosomatic Research</i> , 2003, 55, 389-393.   | 1.2 | 101       |
| 25 | Neurophysiological effects of mobile phone electromagnetic fields on humans: A comprehensive review. <i>Bioelectromagnetics</i> , 2007, 28, 415-432.   | 0.9 | 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.  | 1.0 | 100       |
| 27 | Modulation of corticospinal excitability by paired associative stimulation: Reproducibility of effects and intraindividual reliability. <i>Clinical Neurophysiology</i> , 2006, 117, 2667-2674.  | 0.7 | 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.  | 1.7 | 93        |
| 30 | How we fall asleep: regional and temporal differences in electroencephalographic synchronization at sleep onset. <i>Sleep Medicine</i> , 2013, 14, 1112-1122.  | 0.8 | 92        |
| 31 | Hippocampal sleep spindles preceding neocortical sleep onset in humans. <i>NeuroImage</i> , 2014, 86, 425-432.   | 2.1 | 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.   | 0.7 | 90        |
| 33 | Paradoxes of the first-night effect: a quantitative analysis of antero-posterior EEG topography. <i>Clinical Neurophysiology</i> , 2004, 115, 1178-1188.   | 0.7 | 88        |
| 34 | Local aspects of sleep. <i>Progress in Brain Research</i> , 2012, 199, 219-232.  | 0.9 | 87        |
| 35 | Sleep and $\beta$ -Amyloid Deposition in Alzheimer Disease: Insights on Mechanisms and Possible Innovative Treatments. <i>Frontiers in Pharmacology</i> , 2019, 10, 695.   | 1.6 | 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.  | 1.7 | 83        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | The Fall of Sleep K-Complex in Alzheimer Disease. <i>Scientific Reports</i> , 2017, 7, 39688.   | 1.6 | 80        |
| 38 | Regional Differences of the Human Sleep Electroencephalogram in Response to Selective Slow-wave Sleep Deprivation. <i>Cerebral Cortex</i> , 2002, 12, 737-748.                                | 1.6 | 75        |
| 39 | Visual search performance across 40 h of continuous wakefulness: Measures of speed and accuracy and relation with oculomotor performance. <i>Physiology and Behavior</i> , 2001, 74, 197-204. | 1.0 | 74        |
| 40 | The Functional Role of Dreaming in Emotional Processes. <i>Frontiers in Psychology</i> , 2019, 10, 459.   | 1.1 | 73        |
| 41 | Sleep to find your way: The role of sleep in the consolidation of memory for navigation in humans. <i>Hippocampus</i> , 2008, 18, 844-851.  | 0.9 | 72        |
| 42 | Oculomotor impairment after 1 night of total sleep deprivation: a dissociation between measures of speed and accuracy. <i>Clinical Neurophysiology</i> , 2000, 111, 1771-1778.                | 0.7 | 71        |
| 43 | Electroencephalographic sleep inertia of the awakening brain. <i>Neuroscience</i> , 2011, 176, 308-317.   | 1.1 | 71        |
| 44 | Slow eye movements and EEG power spectra during wake-sleep transition. <i>Clinical Neurophysiology</i> , 2000, 111, 2107-2115.  | 0.7 | 69        |
| 45 | Antero-posterior functional coupling at sleep onset: changes as a function of increased sleep pressure. <i>Brain Research Bulletin</i> , 2005, 65, 133-140.                                   | 1.4 | 69        |
| 46 | Amygdala and hippocampus volumetry and diffusivity in relation to dreaming. <i>Human Brain Mapping</i> , 2011, 32, 1458-1470.   | 1.9 | 67        |
| 47 | Emotional memory processing is influenced by sleep quality. <i>Sleep Medicine</i> , 2015, 16, 862-870.  | 0.8 | 64        |
| 48 | Pandemic nightmares: Effects on dream activity of the COVID-19 lockdown in Italy. <i>Journal of Sleep Research</i> , 2021, 30, e13300.  | 1.7 | 64        |
| 49 | Activation of the motor cortex during phasic rapid eye movement sleep. <i>Annals of Neurology</i> , 2016, 79, 326-330.  | 2.8 | 63        |
| 50 | Selective slow-wave sleep deprivation and time-of-night effects on cognitive performance upon awakening. <i>Psychophysiology</i> , 2000, 37, 440-446.   | 1.2 | 60        |
| 51 | Sleep in the Human Hippocampus: A Stereo-EEG Study. <i>PLoS ONE</i> , 2007, 2, e867.  | 1.1 | 60        |
| 52 | Going Local: Insights from EEG and Stereo-EEG Studies of the Human Sleep-Wake Cycle. <i>Current Topics in Medicinal Chemistry</i> , 2011, 11, 2423-2437.                                      | 1.0 | 60        |
| 53 | Callosal effects of transcranial magnetic stimulation (TMS): the influence of gender and stimulus parameters. <i>Neuroscience Research</i> , 2004, 48, 129-137.                               | 1.0 | 59        |
| 54 | Topographic electroencephalogram changes associated with psychomotor vigilance task performance after sleep deprivation. <i>Sleep Medicine</i> , 2014, 15, 1132-1139.                         | 0.8 | 59        |

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|----|--|-----|-----------|
| 55 | The relationship between alexithymia, depression, and sleep complaints. <i>Psychiatry Research</i> , 2004, 128, 253-258.   | 1.7 | 58        |
| 56 | The electroencephalographic substratum of the awakening. <i>Behavioural Brain Research</i> , 2006, 167, 237-244.   | 1.2 | 58        |
| 57 | Increased cortical plasticity in the elderly: changes in the somatosensory cortex after paired associative stimulation. <i>Neuroscience</i> , 2009, 163, 266-276.  | 1.1 | 58        |
| 58 | Long-Term Impact of Earthquakes on Sleep Quality. <i>PLoS ONE</i> , 2013, 8, e55936.   | 1.1 | 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.                                | 3.8 | 55        |
| 60 | Slow Eye Movements and Subjective Estimates of Sleepiness Predict EEG Power Changes During Sleep Deprivation. <i>Sleep</i> , 2007, 30, 610-616.  | 0.6 | 54        |
| 61 | Slow EEG rhythms and inter-hemispheric synchronization across sleep and wakefulness in the human hippocampus. <i>NeuroImage</i> , 2012, 60, 497-504.   | 2.1 | 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.               | 1.2 | 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.  | 0.8 | 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.   | 1.7 | 50        |
| 65 | Cortical Plasticity Induced by Transcranial Magnetic Stimulation during Wakefulness Affects Electroencephalogram Activity during Sleep. <i>PLoS ONE</i> , 2008, 3, e2483.  | 1.1 | 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.   | 1.0 | 49        |
| 67 | Sleep electroencephalography and brain maturation: developmental trajectories and the relation with cognitive functioning. <i>Sleep Medicine</i> , 2020, 66, 33-50.  | 0.8 | 49        |
| 68 | COVID-19 lockdown and poor sleep quality: Not the whole story. <i>Journal of Sleep Research</i> , 2021, 30, e13368.  | 1.7 | 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.   | 1.9 | 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. | 0.3 | 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.   | 1.0 | 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.   | 1.4 | 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.   | 1.3 | 44        |
| 74 | Predicting Dream Recall: EEG Activation During NREM Sleep or Shared Mechanisms with Wakefulness?. <i>Brain Topography</i> , 2017, 30, 629-638.   | 0.8 | 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.   | 0.8 | 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, .  | 0.6 | 42        |
| 77 | Time-course of electromagnetic field effects on human performance and tympanic temperature. <i>NeuroReport</i> , 2004, 15, 161-164.  | 0.6 | 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.   | 1.2 | 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. | 0.8 | 41        |
| 80 | Procedural learning and sleep hippocampal low frequencies in humans. <i>NeuroImage</i> , 2008, 42, 911-918.  | 2.1 | 39        |
| 81 | Effect of total sleep deprivation on the landmarks of stage 2 sleep. <i>Clinical Neurophysiology</i> , 2003, 114, 2279-2285.   | 0.7 | 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.                                     | 1.0 | 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.   | 1.1 | 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.  | 1.1 | 38        |
| 85 | Electrical stimulation of the frontal cortex enhances slow-frequency EEG activity and sleepiness. <i>Neuroscience</i> , 2016, 324, 119-130.  | 1.1 | 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.                                 | 1.1 | 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.  | 0.9 | 37        |
| 88 | Reproducibility of callosal effects of transcranial magnetic stimulation (TMS) with interhemispheric paired pulses. <i>Neuroscience Research</i> , 2003, 46, 219-227.  | 1.0 | 36        |
| 89 | Quantitative Electroencephalogram (EEG) in Insomnia: A New Window on Pathophysiological Mechanisms. <i>Current Pharmaceutical Design</i> , 2008, 14, 3446-3455.  | 0.9 | 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.   | 0.9 | 36        |

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|-----|--|-----|-----------|
| 91  | Dopaminergic system and dream recall: An MRI study in Parkinson's disease patients. <i>Human Brain Mapping</i> , 2016, 37, 1136-1147.  | 1.9 | 36        |
| 92  | Functional connectivity changes in insomnia disorder: A systematic review. <i>Sleep Medicine Reviews</i> , 2022, 61, 101569.   | 3.8 | 36        |
| 93  | Alexithymia and Dream Recall Upon Spontaneous Morning Awakening. <i>Psychosomatic Medicine</i> , 2003, 65, 301-306.  | 1.3 | 35        |
| 94  | Sleep EEG oscillations in neurodevelopmental disorders without intellectual disabilities. <i>Sleep Medicine Reviews</i> , 2020, 49, 101224.  | 3.8 | 35        |
| 95  | EEG oscillations during sleep and dream recall: state- or trait-like individual differences?. <i>Frontiers in Psychology</i> , 2015, 6, 605.   | 1.1 | 34        |
| 96  | A Correlational Analysis of the Relationships among Intolerance of Uncertainty, Anxiety Sensitivity, Subjective Sleep Quality, and Insomnia Symptoms. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3253. | 1.2 | 34        |
| 97  | Nurses and Night Shifts: Poor Sleep Quality Exacerbates Psychomotor Performance. <i>Frontiers in Neuroscience</i> , 2020, 14, 579938.  | 1.4 | 34        |
| 98  | EEG alterations during wake and sleep in mild cognitive impairment and Alzheimer's disease. <i>IScience</i> , 2021, 24, 102386.  | 1.9 | 34        |
| 99  | The Cyclic Alternating Pattern Decreases as a Consequence of Total Sleep Deprivation and Correlates with EEG Arousals. <i>Neuropsychobiology</i> , 2002, 45, 95-98.  | 0.9 | 33        |
| 100 | Psychiatric Comorbidity in Learning Disorder: Analysis of Family Variables. <i>Child Psychiatry and Human Development</i> , 2008, 39, 101-110.   | 1.1 | 33        |
| 101 | Rapid eye movements density as a measure of sleep need: REM density decreases linearly with the reduction of prior sleep duration. <i>Electroencephalography and Clinical Neurophysiology</i> , 1996, 99, 556-561.                               | 0.3 | 32        |
| 102 | Effect of slow-wave sleep deprivation on topographical distribution of spindles. <i>Behavioural Brain Research</i> , 2000, 116, 55-59.   | 1.2 | 32        |
| 103 | EEG Arousals in Normal Sleep: Variations Induced by Total and Selective Slow-wave Sleep Deprivation. <i>Sleep</i> , 2001, 24, 673-679.   | 0.6 | 32        |
| 104 | State- or trait-like individual differences in dream recall: preliminary findings from a within-subjects study of multiple nap REM sleep awakenings. <i>Frontiers in Psychology</i> , 2015, 6, 928.  | 1.1 | 32        |
| 105 | Disconnected Body Representation: Neuroplasticity Following Spinal Cord Injury. <i>Journal of Clinical Medicine</i> , 2019, 8, 2144.   | 1.0 | 32        |
| 106 | Psychosocial factors and male seminal parameters. <i>Biological Psychology</i> , 2000, 53, 1-11.   | 1.1 | 31        |
| 107 | Hippocampal Sleep Features: Relations to Human Memory Function. <i>Frontiers in Neurology</i> , 2012, 3, 57.   | 1.1 | 31        |
| 108 | Spotlight on dream recall: the ages of dreams. <i>Nature and Science of Sleep</i> , 2018, Volume 10, 1-12.   | 1.4 | 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.                        | 1.0 | 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.  | 0.5 | 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.  | 1.7 | 30        |
| 112 | Recovery sleep after sleep deprivation almost completely abolishes dream recall. <i>Behavioural Brain Research</i> , 2010, 206, 293-298.   | 1.2 | 30        |
| 113 | Subclinical epileptiform activity during sleep in Alzheimer's disease and mild cognitive impairment. <i>Clinical Neurophysiology</i> , 2020, 131, 1011-1018.   | 0.7 | 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. | 1.4 | 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.  | 1.7 | 28        |
| 116 | &lt;p&gt;The Association Between School Start Time and Sleep Duration, Sustained Attention, and Academic Performance&lt;/p&gt;. <i>Nature and Science of Sleep</i> , 2020, Volume 12, 1161-1172.                 | 1.4 | 28        |
| 117 | &lt;p&gt;Effects of Total and Partial Sleep Deprivation on Reflection Impulsivity and Risk-Taking in Deliberative Decision-Making&lt;/p&gt;. <i>Nature and Science of Sleep</i> , 2020, Volume 12, 309-324.      | 1.4 | 28        |
| 118 | Sleep-Related Problems in Night Shift Nurses: Towards an Individualized Interventional Practice. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 644570.  | 1.0 | 28        |
| 119 | Effects of Sleep Loss on Waking Actigraphy. <i>Sleep</i> , 2000, 23, 1-5.  | 0.6 | 27        |
| 120 | Interhemispheric Transfer Deficit in Alexithymia: A Transcranial Magnetic Stimulation Study. <i>Psychotherapy and Psychosomatics</i> , 2008, 77, 175-181.  | 4.0 | 27        |
| 121 | The impact of one night of sleep deprivation on moral judgments. <i>Social Neuroscience</i> , 2012, 7, 292-300.  | 0.7 | 27        |
| 122 | Narcolepsy and emotional experience: a review of the literature. <i>Behavioral and Brain Functions</i> , 2018, 14, 19.   | 1.4 | 27        |
| 123 | Mental Sleep Activity and Disturbing Dreams in the Lifespan. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3658.  | 1.2 | 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.                  | 1.7 | 27        |
| 125 | Bilateral 5â€‰Hz transcranial alternating current stimulation on fronto-temporal areas modulates resting-state EEG. <i>Scientific Reports</i> , 2017, 7, 15672.  | 1.6 | 26        |
| 126 | Psychomotor performance is not influenced by brief repeated exposures to mobile phones. <i>Bioelectromagnetics</i> , 2008, 29, 237-241.  | 0.9 | 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.  | 0.8 | 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.  | 1.4 | 25        |
| 129 | Which hemisphere falls asleep first?. <i>Neuropsychologia</i> , 1995, 33, 815-822.   | 0.7 | 24        |
| 130 | Interhemispheric asymmetry of human sleep EEG in response to selective slow-wave sleep deprivation.. <i>Behavioral Neuroscience</i> , 2002, 116, 976-981.  | 0.6 | 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.   | 1.1 | 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. | 0.6 | 23        |
| 133 | Cortical EEG topography of REM onset: the posterior dominance of middle and high frequencies. <i>Clinical Neurophysiology</i> , 2002, 113, 561-570.  | 0.7 | 23        |
| 134 | Can an inert sleeping pill affect sleep? Effects on polysomnographic, behavioral and subjective measures. <i>Psychopharmacology</i> , 2005, 181, 761-770.  | 1.5 | 23        |
| 135 | The impact of five nights of sleep restriction on emotional reactivity. <i>Journal of Sleep Research</i> , 2020, 29, e13022.   | 1.7 | 23        |
| 136 | Psychosocial factors discriminate oligozoospermic from normozoospermic men. <i>Fertility and Sterility</i> , 2003, 79, 1571-1576.  | 0.5 | 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.  | 0.6 | 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.          | 1.7 | 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.                                    | 1.0 | 22        |
| 140 | Advances in Understanding the Relationship between Sleep and Attention Deficit-Hyperactivity Disorder (ADHD). <i>Journal of Clinical Medicine</i> , 2019, 8, 1737.   | 1.0 | 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.   | 0.8 | 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.                                | 1.4 | 21        |
| 143 | Disturbances in sleep, circadian rhythms and daytime functioning in relation to coronavirus infection and Longâ€œCOVID â€œ A multinational ICOS study. <i>Journal of Sleep Research</i> , 2022, 31, e13542.    | 1.7 | 21        |
| 144 | Interhemispheric asymmetry of human sleep EEG in response to selective slow-wave sleep deprivation. <i>Behavioral Neuroscience</i> , 2002, 116, 976-81.  | 0.6 | 21        |

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|-----|---|-----|-----------|
| 145 | Auditory arousal thresholds after selective slow-wave sleep deprivation. <i>Clinical Neurophysiology</i> , 1999, 110, 2148-2152.  | 0.7 | 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.   | 1.0 | 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.                         | 2.4 | 20        |
| 148 | Hippocampal slow EEG frequencies during NREM sleep are involved in spatial memory consolidation in humans. <i>Hippocampus</i> , 2014, 24, 1157-1168.  | 0.9 | 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.  | 0.7 | 20        |
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| 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.   | 1.4 | 20        |
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