Julie Carrier

List of Publications by Year
in descending order

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207 papers	14,237 citations	16411 64 h-index	24915 109 g-index
217 all docs	217 docs citations	217 times ranked	11088 citing authors

#	Article	IF	Citations
1	Contributions of the basal ganglia and functionally related brain structures to motor learning. Behavioural Brain Research, 2009, 199, 61-75.	1.2	606
2	REM sleep behavior disorder and REM sleep without atonia in Parkinsonâ€™s disease. Neurology, 2002, 59, 585-589.	1.5	567
3	Hemodynamic cerebral correlates of sleep spindles during human non-rapid eye movement sleep. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13164-13169.	3.3	443
4	The effects of age and gender on sleep EEG power spectral density in the middle years of life (ages) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.2	397
5	Spontaneous neural activity during human slow wave sleep. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15160-15165.	3.3	383
6	Daytime sleep condenses the time course of motor memory consolidation. Nature Neuroscience, 2007, 10, 1206-1213.	7.1	362
7	Wake Detection Capacity of Actigraphy During Sleep. Sleep, 2007, 30, 1362-1369.	0.6	284
8	Sleep and morningness-eveningness in the 'middle' years of life (20-59y). Journal of Sleep Research, 1997, 6, 230-237.	1.7	276
9	Brain plasticity related to the consolidation of motor sequence learning and motor adaptation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17839-17844.	3.3	242
10	CIRCADIAN RHYTHMS OF PERFORMANCE: NEW TRENDS. Chronobiology International, 2000, 17, 719-732.	0.9	229
11	Wavelength-Dependent Modulation of Brain Responses to a Working Memory Task by Daytime Light Exposure. Cerebral Cortex, 2007, 17, 2788-2795.	1.6	218
12	Contribution of night and day sleep vs. simple passage of time to the consolidation of motor sequence and visuomotor adaptation learning. Experimental Brain Research, 2009, 195, 15-26.	0.7	213
13	Montreal Archive of Sleep Studies: an openâ€access resource for instrument benchmarking and exploratory research. Journal of Sleep Research, 2014, 23, 628-635.	1.7	207
14	Slowing of electroencephalogram in rapid eye movement sleep behavior disorder. Annals of Neurology, 2003, 53, 774-780.	2.8	199
15	Topography of age-related changes in sleep spindles. Neurobiology of Aging, 2013, 34, 468-476.	1.5	197
16	Impact of Sleep Extension and Restriction on Childrenâ€™s Emotional Lability and Impulsivity. Pediatrics, 2012, 130, e1155-e1161.	1.0	192
17	Sleep slow wave changes during the middle years of life. European Journal of Neuroscience, 2011, 33, 758-766.	1.2	188
18	Fast and slow spindle involvement in the consolidation of a new motor sequence. Behavioural Brain Research, 2011, 217, 117-121.	1.2	179

#	Article	IF	Citations
19	Executive dysfunction and memory impairment in idiopathic REM sleep behavior disorder. Neurology, 2008, 70, 1250-1257.	1.5	169
20	Age-related modifications of NREM sleep EEG: from childhood to middle age. Journal of Sleep Research, 2001, 10, 165-172.	1.7	167
21	Relations Between Physiological and Cognitive Regulatory Systems: Infant Sleep Regulation and Subsequent Executive Functioning. Child Development, 2010, 81, 1739-1752.	1.7	160
22	PLMS and PLMW in Healthy Subjects as a Function of Age: Prevalence and Interval Distribution. Sleep, 2006, 29, 1183-1187.	0.6	158
23	Circadian and homeostatic sleep regulation in morningness-eveningness. Journal of Sleep Research, 2006, 15, 162-166.	1.7	157
24	Sleep EEG Power Spectra, Insomnia, and Chronic Use of Benzodiazepines. Sleep, 2003, 26, 313-317.	0.6	154
25	Sleep and Cognition in Preschool Years: Specific Links to Executive Functioning. Child Development, 2013, 84, 1542-1553.	1.7	154
26	Motor sequence learning increases sleep spindles and fast frequencies in post-training sleep. Sleep, 2008, 31, 1149-56.	0.6	144
27	The effects of age and gender on sleep EEG power spectral density in the middle years of life (ages) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	140
28	Maintaining vs. enhancing motor sequence memories: Respective roles of striatal and hippocampal systems. NeuroImage, 2015, 108, 423-434.	2.1	131
29	Sleep spindles in Parkinson's disease may predict the development of dementia. Neurobiology of Aging, 2015, 36, 1083-1090.	1.5	130
30	Effects of Afternoon â€œSiestaâ€•Naps on Sleep, Alertness, Performance, and Circadian Rhythms in the Elderly. Sleep, 2001, 24, 680-687.	0.6	128
31	fMRI and sleep correlates of the ageâ€related impairment in motor memory consolidation. Human Brain Mapping, 2014, 35, 3625-3645.	1.9	127
32	Impact of Sleep Restriction on Neurobehavioral Functioning of Children with Attention Deficit Hyperactivity Disorder. Sleep, 2011, 34, 315-323.	0.6	126
33	The impact of aging on gray matter structural covariance networks. NeuroImage, 2012, 63, 754-759.	2.1	123
34	Sleep spindles and rapid eye movement sleep as predictors of next morning cognitive performance in healthy middleâ€aged and older participants. Journal of Sleep Research, 2014, 23, 159-167.	1.7	122
35	Cortical Thinning Explains Changes in Sleep Slow Waves during Adulthood. Journal of Neuroscience, 2015, 35, 7795-7807.	1.7	119
36	Short sleep duration is associated with poor performance on IQ measures in healthy school-age children. Sleep Medicine, 2010, 11, 289-294.	0.8	115

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37	Sleep Disturbances in Prepubertal Children with Attention Deficit Hyperactivity Disorder: A Home Polysomnography Study. Sleep, 2009, 32, 343-350.	0.6	114
38	Daytime Sleep Enhances Consolidation of the Spatial but Not Motoric Representation of Motor Sequence Memory. PLoS ONE, 2013, 8, e52805.	1.1	111
39	Circadian Patterns of Sleep, Sleepiness, and Performance in Older and Younger Adults. Sleep, 2005, 28, 1365-1376.	0.6	109
40	Chronic Psychophysiological Insomnia: Hyperarousal and/or Inhibition Deficits? An ERPs Investigation. Sleep, 2008, 31, 887-898.	0.6	109
41	Association between waking EEG slowing and REM sleep behavior disorder in PD without dementia. Neurology, 2004, 62, 401-406.	1.5	106
42	NREM Sleep Oscillations and Brain Plasticity in Aging. Frontiers in Neurology, 2012, 3, 176.	1.1	105
43	Validating Actigraphy as a Measure of Sleep for Preschool Children. Journal of Clinical Sleep Medicine, 2013, 09, 701-706.	1.4	104
44	The genome-wide landscape of DNA methylation and hydroxymethylation in response to sleep deprivation impacts on synaptic plasticity genes. Translational Psychiatry, 2014, 4, e347-e347.	2.4	99
45	Sex differences in age-related changes in the sleep-wake cycle. Frontiers in Neuroendocrinology, 2017, 47, 66-85.	2.5	95
46	Blue Light Stimulates Cognitive Brain Activity in Visually Blind Individuals. Journal of Cognitive Neuroscience, 2013, 25, 2072-2085.	1.1	94
47	Chronotype and Sex Effects on Sleep Architecture and Quantitative Sleep EEG in Healthy Young Adults. Sleep, 2005, 28, 819-827.	0.6	93
48	Challenging sleep in aging: the effects of 200 mg of caffeine during the evening in young and middle-aged moderate caffeine consumers. Journal of Sleep Research, 2006, 15, 133-141.	1.7	92
49	NREM2 and Sleep Spindles Are Instrumental to the Consolidation of Motor Sequence Memories. PLoS Biology, 2016, 14, e1002429.	2.6	89
50	Sleep spindles predict neural and behavioral changes in motor sequence consolidation. Human Brain Mapping, 2013, 34, 2918-2928.	1.9	88
51	Sleep spindles: a physiological marker of age-related changes in gray matter in brain regions supporting motor skill memory consolidation. Neurobiology of Aging, 2017, 49, 154-164.	1.5	88
52	Obstructive Sleep Apnea and the Risk of Cognitive Decline in Older Adults. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 142-148.	2.5	88
53	Longitudinal associations between the quality of parentâ˜child interactions and children's sleep at preschool age.. Journal of Family Psychology, 2012, 26, 254-262.	1.0	83
54	Patterns of cortical thinning in idiopathic rapid eye movement sleep behavior disorder. Movement Disorders, 2015, 30, 680-687.	2.2	83

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55	Gray Matter Hypertrophy and Thickening with Obstructive Sleep Apnea in Middle-aged and Older Adults. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 1509-1518.	2.5	83
56	Transient synchronization of hippocampo-striato-thalamo-cortical networks during sleep spindle oscillations induces motor memory consolidation. NeuroImage, 2018, 169, 419-430.	2.1	82
57	Effects of periodic leg movements during sleep in middle-aged subjects without sleep complaints. Movement Disorders, 2005, 20, 1127-1132.	2.2	81
58	Inducing jet-lag in older people: Directional asymmetry. Journal of Sleep Research, 2000, 9, 101-116.	1.7	80
59	Reactivation or transformation? Motor memory consolidation associated with cerebral activation time-locked to sleep spindles. PLoS ONE, 2017, 12, e0174755.	1.1	79
60	Cortical and subcortical gray matter bases of cognitive deficits in REM sleep behavior disorder. Neurology, 2018, 90, e1759-e1770.	1.5	74
61	Difference in sleep regulation between morning and evening circadian types as indexed by antero-posterior analyses of the sleep EEG. European Journal of Neuroscience, 2006, 23, 497-504.	1.2	73
62	Sleepâ€“Wake Cycle in Young and Older Mice. Frontiers in Systems Neuroscience, 2019, 13, 51.	1.2	73
63	Differences Over the Life Span in Daily Life-Style Regularity. Chronobiology International, 1997, 14, 295-306.	0.9	72
64	Time course of narrow frequency bands in the waking EEG during sleep deprivation. NeuroReport, 1999, 10, 403-407.	0.6	72
65	Short sleep duration is associated with teacher-reported inattention and cognitive problems in healthy school-aged children. Nature and Science of Sleep, 2012, 4, 33.	1.4	71
66	Slow-wave sleep and delta power in rapid eye movement sleep behavior disorder. Annals of Neurology, 2005, 57, 277-282.	2.8	70
67	Phase advance of sleep and temperature circadian rhythms in the middle years of life in humans. Neuroscience Letters, 2002, 320, 1-4.	1.0	69
68	Sleep regulation and sex hormones exposure in men and women across adulthood. Pathologie Et Biologie, 2014, 62, 302-310.	2.2	67
69	Off-line consolidation of motor sequence learning results in greater integration within a cortico-striatal functional network. NeuroImage, 2014, 99, 50-58.	2.1	67
70	Light-sensitive brain pathways and aging. Journal of Physiological Anthropology, 2016, 35, 9.	1.0	67
71	Daytime Sleep Propensity After Moderate Circadian Phase Shifts Induced With Bright Light Exposure. Sleep, 1997, 20, 11-17.	0.6	66
72	Effects of Caffeine are more Marked on Daytime Recovery Sleep than on Nocturnal Sleep. Neuropsychopharmacology, 2007, 32, 964-972.	2.8	65

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73	Contributions of circadian tendencies and behavioral problems to sleep onset problems of children with ADHD. BMC Psychiatry, 2012, 12, 212.	1.1	65
74	Effects of caffeine on daytime recovery sleep: A double challenge to the sleepâ€“wake cycle in aging. Sleep Medicine, 2009, 10, 1016-1024.	0.8	64
75	Are Age Differences in Sleep Due to Phase Differen ces in the Output of the Orcadian Timing System?. Chronobiology International, 1999, 16, 79-91.	0.9	63
76	Age and gender effects on heart rate activation associated with periodic leg movements in patients with restless legs syndrome. Clinical Neurophysiology, 2003, 114, 2188-2195.	0.7	63
77	Biomarkers of dementia in obstructive sleep apnea. Sleep Medicine Reviews, 2018, 42, 139-148.	3.8	63
78	The association between sleep spindles and IQ in healthy school-age children. International Journal of Psychophysiology, 2013, 89, 229-240.	0.5	61
79	Effects of a 25-h sleep deprivation on daytime sleep in the middle-aged. Neurobiology of Aging, 2001, 22, 461-468.	1.5	60
80	Electroencephalographic prodromal markers of dementia across conscious states in Parkinsonâ€™s disease. Brain, 2016, 139, 1189-1199.	3.7	60
81	Analysis of Slow-Wave Activity and Slow-Wave Oscillations Prior to Somnambulism. Sleep, 2010, 33, 1511-1516.	0.6	55
82	Motor Sequence Learning Increases Sleep Spindles and Fast Frequencies in Post-Training Sleep. Sleep, 2008, , .	0.6	54
83	Sleep and sleepiness in children with attention deficitâ€Š/â€Šhyperactivity disorder and controls. Journal of Sleep Research, 2013, 22, 41-49.	1.7	54
84	Amplitude Reduction of the Circadian Temperature and Sleep Rhythms in the Elderly. Chronobiology International, 1996, 13, 373-386.	0.9	53
85	Mothers, fathers, and toddlers: Parental psychosocial functioning as a context for young childrenâ€™s sleep.. Developmental Psychology, 2013, 49, 1375-1384.	1.2	53
86	Sleep Complaints in Elderly Tinnitus Patients: A Controlled Study. Ear and Hearing, 2007, 28, 649-655.	1.0	52
87	Speed of Mental Processing in the Middle of the Night. Sleep, 1997, 20, 399-401.	0.6	51
88	Sleep Deprivation Increases Blood Pressure in Healthy Normotensive Elderly and Attenuates the Blood Pressure Response to Orthostatic Challenge. Sleep, 2011, 34, 335-339.	0.6	51
89	Polysomnographic and quantitative electroencephalographic correlates of subjective sleep complaints in chronic tinnitus. Journal of Sleep Research, 2011, 20, 38-44.	1.7	51
90	Abnormal Gray Matter Shape, Thickness, and Volume in the Motor Cortico-Subcortical Loop in Idiopathic Rapid Eye Movement Sleep Behavior Disorder: Association with Clinical and Motor Features. Cerebral Cortex, 2018, 28, 658-671.	1.6	51

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91	Unobtrusive Sleep Monitoring Using Cardiac, Breathing and Movements Activities: An Exhaustive Review. IEEE Access, 2018, 6, 45129-45152.	2.6	50
92	Does Pupil Constriction under Blue and Green Monochromatic Light Exposure Change with Age?. Journal of Biological Rhythms, 2012, 27, 257-264.	1.4	49
93	Abnormal Hypothalamic Response to Light in Seasonal Affective Disorder. Biological Psychiatry, 2011, 70, 954-961.	0.7	48
94	Aging Reduces the Stimulating Effect of Blue Light on Cognitive Brain Functions. Sleep, 2014, 37, 85-96.	0.6	48
95	Effects of menopause on sleep quality and sleep disorders: Canadian Longitudinal Study on Aging. Menopause, 2020, 27, 295-304.	0.8	48
96	Fluctuation of Waking Electroencephalogram and Subjective Alertness during a 25-Hour Sleep-Deprivation Episode in Young and Middle-Aged Subjects. Sleep, 2004, 27, 55-60.	0.6	47
97	SLEEP AND CIRCADIAN PHASE CHARACTERISTICS OF ADOLESCENT AND YOUNG ADULT MALES IN A NATURALISTIC SUMMERTIME CONDITION. Chronobiology International, 2000, 17, 489-501.	0.9	45
98	Sleep propensity and sleep architecture after bright light exposure at three different times of day. Journal of Sleep Research, 1995, 4, 202-211.	1.7	43
99	Aging Worsens the Effects of Sleep Deprivation on Postural Control. PLoS ONE, 2011, 6, e28731.	1.1	43
100	Infant Attachment and Toddlersâ€™ Sleep Assessed by Maternal Reports and Actigraphy: Different Measurement Methods Yield Different Relations. Journal of Pediatric Psychology, 2013, 38, 473-483.	1.1	41
101	VIII. ATTACHMENT AND SLEEP AMONG TODDLERS: DISENTANGLING ATTACHMENT SECURITY AND DEPENDENCY. Monographs of the Society for Research in Child Development, 2015, 80, 125-140.	6.8	41
102	Brain atrophy in Parkinsonâ€™s disease with polysomnography-confirmed REM sleep behavior disorder. Sleep, 2019, 42, .	0.6	41
103	The effects of age and gender on sleep EEG power spectral density in the middle years of life (ages) Tj ETQq1 1 0.784314 rgBT /Overlock		40
104	The effects of exercise on sleep quality in persons with Parkinson's disease: A systematic review with meta-analysis. Sleep Medicine Reviews, 2021, 55, 101384.	3.8	39
105	Effects of increased homeostatic sleep pressure on postural control and their modulation by attentional resources. Clinical Neurophysiology, 2011, 122, 1771-1778.	0.7	38
106	Sleep is more sensitive to high doses of caffeine in the middle years of life. Journal of Psychopharmacology, 2015, 29, 688-697.	2.0	38
107	EEG Functional Connectivity Prior to Sleepwalking: Evidence of Interplay Between Sleep and Wakefulness. Sleep, 2017, 40, .	0.6	38
108	Association between insomnia disorder and cognitive function in middle-aged and older adults: a cross-sectional analysis of the Canadian Longitudinal Study on Aging. Sleep, 2019, 42, .	0.6	38

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109	My mother is sensitive, but I am too tired to know: Infant sleep as a moderator of prospective relations between maternal sensitivity and infant outcomes. , 2014, 37, 682-694.		36
110	Sleep spindles in chronic psychophysiological insomnia. Journal of Psychosomatic Research, 2009, 66, 59-65.	1.2	35
111	Internet of Things in sleep monitoring: An application for posture recognition using supervised learning. , 2016, , .		35
112	Sleep in the Acute Phase of Severe Traumatic Brain Injury. Neurorehabilitation and Neural Repair, 2016, 30, 713-721.	1.4	35
113	Are Modifications of Melatonin Circadian Rhythm in the Middle Years of Life Related to Habitual Patterns of Light Exposure?. Journal of Biological Rhythms, 2005, 20, 451-460.	1.4	34
114	Obstructive Sleep Apnea and Cognitive Decline: A Review of Potential Vulnerability and Protective Factors. Brain Sciences, 2021, 11, 706.	1.1	34
115	Estimating the Endogenous Circadian Temperature Rhythm without Keeping People Awake. Journal of Biological Rhythms, 1997, 12, 266-277.	1.4	30
116	Topography of homeostatic sleep pressure dissipation across the night in young and middle-aged men and women. Journal of Sleep Research, 2010, 19, 455-465.	1.7	30
117	Electroencephalographic slow waves prior to sleepwalking episodes. Sleep Medicine, 2014, 15, 1468-1472.	0.8	30
118	Information Processing Varies Between Insomnia Types: Measures of N1 and P2 During the Night. Behavioral Sleep Medicine, 2013, 11, 56-72.	1.1	29
119	BDNF Val66Met Polymorphism Interacts with Sleep Consolidation to Predict Ability to Create New Declarative Memories. Journal of Neuroscience, 2016, 36, 8390-8398.	1.7	29
120	Beyond spindles: interactions between sleep spindles and boundary frequencies during cued reactivation of motor memory representations. Sleep, 2018, 41, .	0.6	29
121	Maternal Sensitivity and Children's Behavior Problems: Examining the Moderating Role of Infant Sleep Duration. Journal of Clinical Child and Adolescent Psychology, 2012, 41, 471-481.	2.2	28
122	A time-frequency analysis of the dynamics of cortical networks of sleep spindles from MEG-EEG recordings. Frontiers in Neuroscience, 2014, 8, 310.	1.4	28
123	A Prodromal Brainâ€Clinical Pattern of Cognition in Synucleinopathies. Annals of Neurology, 2021, 89, 341-357.	2.8	28
124	Age difference in heart rate changes associated with micro-arousals in humans. Clinical Neurophysiology, 2002, 113, 1517-1521.	0.7	27
125	Reduced Slow-Wave Rebound during Daytime Recovery Sleep in Middle-Aged Subjects. PLoS ONE, 2012, 7, e43224.	1.1	26
126	Are NREM sleep characteristics associated to subjective sleep complaints after mild traumatic brain injury?. Sleep Medicine, 2015, 16, 534-539.	0.8	26

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127	Paternal involvement and child sleep. International Journal of Behavioral Development, 2017, 41, 714-722.	1.3	25
128	Sleeping Toward Behavioral Regulation: Relations Between Sleep and Externalizing Symptoms in Toddlers and Preschoolers. Journal of Clinical Child and Adolescent Psychology, 2018, 47, 366-373.	2.2	25
129	A Parallelism between Human Body Temperature and Performance Independent of the Endogenous Circadian Pacemaker. Journal of Biological Rhythms, 1998, 13, 113-122.	1.4	24
130	Thalamo-Cortical White Matter Underlies Motor Memory Consolidation via Modulation of Sleep Spindles in Young and Older Adults. Neuroscience, 2019, 402, 104-115.	1.1	24
131	Age-related cortical signatures of human sleep electroencephalography. Neurobiology of Aging, 2019, 76, 106-114.	1.5	24
132	Obstructive sleep apnea during REM sleep and daytime cerebral functioning: A regional cerebral blood flow study using high-resolution SPECT. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 1230-1241.	2.4	24
133	Spontaneous K-complexes in chronic psychophysiological insomnia. Journal of Psychosomatic Research, 2009, 67, 117-125.	1.2	23
134	Non-rapid eye movement sleep characteristics in idiopathic REM sleep behavior disorder. Journal of the Neurological Sciences, 2011, 310, 159-162.	0.3	23
135	Detection of mild cognitive impairment in middle-aged and older adults with obstructive sleep apnoea. European Respiratory Journal, 2018, 52, 1801137.	3.1	23
136	Brain white matter damage and its association with neuronal synchrony during sleep. Brain, 2019, 142, 674-687.	3.7	22
137	The association between white matter and sleep spindles differs in young and older individuals. Sleep, 2018, 41, .	0.6	21
138	Cerebral white matter diffusion properties and freeâ€water with obstructive sleep apnea severity in older adults. Human Brain Mapping, 2020, 41, 2686-2701.	1.9	21
139	Knowledge translation of the Canadian 24-Hour Movement Guidelines for Adults aged 18â€“64 years and Adults aged 65 years or older: a collaborative movement guideline knowledge translation process. Applied Physiology, Nutrition and Metabolism, 2020, 45, S103-S124.	0.9	21
140	Age-related white-matter correlates of motor sequence learning and consolidation. Neurobiology of Aging, 2016, 48, 13-22.	1.5	20
141	Re-stepping into the same river: competition problem rather than a reconsolidation failure in an established motor skill. Scientific Reports, 2017, 7, 9406.	1.6	20
142	Investigating the Convergence between Actigraphy, Maternal Sleep Diaries, and the Child Behavior Checklist as Measures of Sleep in Toddlers. Frontiers in Psychiatry, 2014, 5, 158.	1.3	19
143	Actigraphy data in pediatric research: the role of sleep diaries. Sleep Medicine, 2018, 47, 86-92.	0.8	19
144	Plasticity in the Sensitivity to Light in Aging: Decreased Non-visual Impact of Light on Cognitive Brain Activity in Older Individuals but No Impact of Lens Replacement. Frontiers in Physiology, 2018, 9, 1557.	1.3	19

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145	Morning and Evening-Type Differences in Slow Waves during NREM Sleep Reveal Both Trait and State-Dependent Phenotypes. PLoS ONE, 2011, 6, e22679.	1.1	19
146	Age-related changes in sleep spindles characteristics during daytime recovery following a 25-hour sleep deprivation. Frontiers in Human Neuroscience, 2015, 9, 323.	1.0	18
147	NREM sleep EEG slow waves in autistic and typically developing children: Morphological characteristics and scalp distribution. Journal of Sleep Research, 2019, 28, e12775.	1.7	18
148	Comprehensive Analysis of Brain Volume in REM Sleep Behavior Disorder with Mild Cognitive Impairment. Journal of Parkinson's Disease, 2022, 12, 229-241.	1.5	18
149	Differential Effects of a Nap on Motor Sequence Learning-Related Functional Connectivity Between Young and Older Adults. Frontiers in Aging Neuroscience, 2021, 13, 747358.	1.7	18
150	Association between risk of obstructive sleep apnea, inflammation and cognition after 45 years old in the Canadian Longitudinal Study on Aging. Sleep Medicine, 2022, 91, 21-30.	0.8	18
151	Timely coupling of sleep spindles and slow waves linked to early amyloid-Î² burden and predicts memory decline. ELife, 0, 11, .	2.8	18
152	Impact of BDNF Val66Met polymorphism on olfactory functions of female concussed athletes. Brain Injury, 2015, 29, 963-970.	0.6	17
153	Light modulates oscillatory alpha activity in the occipital cortex of totally visually blind individuals with intact non-image-forming photoreception. Scientific Reports, 2018, 8, 16968.	1.6	17
154	Disconnection Between Self-Reported and Objective Cognitive Impairment in Obstructive Sleep Apnea. Journal of Clinical Sleep Medicine, 2019, 15, 409-415.	1.4	17
155	Are age and sex effects on sleep slow waves only a matter of electroencephalogram amplitude?. Sleep, 2021, 44, .	0.6	17
156	The effect of gender on autonomic and respiratory responses during sleep among both young and middle-aged subjects. Sleep Medicine, 2007, 8, 760-767.	0.8	15
157	Meet Spinky: An Open-Source Spindle and K-Complex Detection Toolbox Validated on the Open-Access Montreal Archive of Sleep Studies (MASS). Frontiers in Neuroinformatics, 2016, 11, 15.	1.3	15
158	Combining time-frequency and spatial information for the detection of sleep spindles. Frontiers in Human Neuroscience, 2015, 9, 70.	1.0	14
159	Body temperature and the return of slow wave activity in extended sleep. Electroencephalography and Clinical Neurophysiology, 1996, 98, 42-50.	0.3	13
160	Inducing a 6-hour phase advance in the elderly: effects on sleep and temperature rhythms. Journal of Sleep Research, 1996, 5, 99-105.	1.7	13
161	Sleep in times of crises: A scoping review in the early days of the COVID-19 crisis. Sleep Medicine Reviews, 2021, 60, 101545.	3.8	13
162	Towards a better understanding of increased sleep duration in the chronic phase of moderate to severe traumatic brain injury: an actigraphy study. Sleep Medicine, 2019, 59, 67-75.	0.8	12

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163	Gray matter substrates of depressive and anxiety symptoms in idiopathic REM sleep behavior disorder. Parkinsonism and Related Disorders, 2019, 62, 163-170.	1.1	12
164	EEG connectivity across sleep cycles and age. Sleep, 2020, 43, .	0.6	11
165	Normative developmental trajectories of actigraphic sleep variables during the preschool period: A threeâ€wave longitudinal study. Developmental Psychobiology, 2019, 61, 141-153.	0.9	11
166	Attempted induction of signalled lucid dreaming by transcranial alternating current stimulation. Consciousness and Cognition, 2020, 83, 102957.	0.8	11
167	Sleeping at the switch. ELife, 2021, 10, .	2.8	11
168	Slow wave activity and slow oscillations in sleepwalkers and controls: effects of 38Âh of sleep deprivation. Journal of Sleep Research, 2013, 22, 430-433.	1.7	10
169	Prospective relations between sleep in preschool years and academic achievement at school entry. Journal of Sleep Research, 2021, 30, e13183.	1.7	10
170	Cerebral functional networks during sleep in young and older individuals. Scientific Reports, 2021, 11, 4905.	1.6	10
171	Sleep and circadian rhythms in normal aging. , 2003, , 297-332.		9
172	Exercising the Sleepy-ing Brain: Exercise, Sleep, and Sleep Loss on Memory. Exercise and Sport Sciences Reviews, 2022, 50, 38-48.	1.6	9
173	Brain perfusion during rapid-eye-movement sleep successfully identifies amnestic mild cognitive impairment. Sleep Medicine, 2017, 34, 134-140.	0.8	8
174	Sigma oscillations protect or reinstate motor memory depending on their temporal coordination with slow waves. ELife, 0, 11, .	2.8	8
175	Shorter duration of nonâ€rapid eye movement sleep slow waves in EphA4 knockout mice. Journal of Sleep Research, 2017, 26, 539-546.	1.7	7
176	Susceptibility of consolidated procedural memory to interference is independent of its active task-based retrieval. PLoS ONE, 2019, 14, e0210876.	1.1	7
177	Sleep in Normal Aging, Alzheimer's Disease, and Mild Cognitive Impairment. Handbook of Behavioral Neuroscience, 2019, 30, 677-692.	0.7	7
178	Variability of sleep stage scoring in late midlife and early old age. Journal of Sleep Research, 2022, 31, e13424.	1.7	7
179	Menopause, hormone replacement and RR and QT modulation during sleep. Sleep Medicine, 2005, 6, 561-566.	0.8	6
180	Role of Spindle Oscillations across Lifespan in Health and Disease. Neural Plasticity, 2016, 2016, 1-3.	1.0	6

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181	Subjective sleep quality and its etiology in the emergency department. Canadian Journal of Emergency Medicine, 2019, 21, 249-252.	0.5	6
182	Somatosensory Targeted Memory Reactivation Modulates Oscillatory Brain Activity but not Motor Memory Consolidation. Neuroscience, 2021, 465, 203-218.	1.1	6
183	Sleep from acute to chronic traumatic brain injury and cognitive outcomes. Sleep, 2022, 45, .	0.6	6
184	Shift worker performance. Clinics in Occupational and Environmental Medicine, 2003, 3, 209-229.	0.5	5
185	The role of sleep and circadian rhythms in health: A snapshot of key research interrogations. Pathologie Et Biologie, 2014, 62, 231-232.	2.2	5
186	Sleep spindles are resilient to extensive white matter deterioration. Brain Communications, 2020, 2, fcaa071.	1.5	5
187	Sleep and Cognition in the Elderly. Frontiers in Neurology, 2013, 4, 71.	1.1	4
188	Kalman Filtering for Posture-Adaptive in-Bed Breathing Rate Monitoring Using Bed-Sheet Pressure Sensors. IEEE Sensors Journal, 2021, 21, 14339-14351.	2.4	4
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