

About Sleep's Role in Memory

Physiological Reviews

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Sleep to forget: interference of fear memories during sleep. <i>Molecular Psychiatry</i> , 2013, 18, 1166-1170.	4.1	103
2	Manipulating sleep spindles – expanding views on sleep, memory, and disease. <i>Trends in Neurosciences</i> , 2013, 36, 738-748.	4.2	125
3	EEG and MEG: Relevance to Neuroscience. <i>Neuron</i> , 2013, 80, 1112-1128.	3.8	683
4	An intra-K-complex oscillation with independent and labile frequency and topography in NREM sleep. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 163.	1.0	20
5	Selective REM-Sleep Deprivation Does Not Diminish Emotional Memory Consolidation in Young Healthy Subjects. <i>PLoS ONE</i> , 2014, 9, e89849.	1.1	45
6	Sound Asleep: Processing and Retention of Slow Oscillation Phase-Targeted Stimuli. <i>PLoS ONE</i> , 2014, 9, e101567.	1.1	70
7	Post Learning Sleep Improves Cognitive-Emotional Decision-Making: Evidence for a “Deck B Sleep Effect”™ in the Iowa Gambling Task. <i>PLoS ONE</i> , 2014, 9, e112056.	1.1	12
8	The Circadian Regulation of Sleep: Impact of a Functional ADA-Polymorphism and Its Association to Working Memory Improvements. <i>PLoS ONE</i> , 2014, 9, e113734.	1.1	9
9	Building phonetic categories: an argument for the role of sleep. <i>Frontiers in Psychology</i> , 2014, 5, 1192.	1.1	26
10	Word encoding during sleep is suggested by correlations between word-evoked up-states and post-sleep semantic priming. <i>Frontiers in Psychology</i> , 2014, 5, 1319.	1.1	16
11	Sleep and protein synthesis-dependent synaptic plasticity: impacts of sleep loss and stress. <i>Frontiers in Behavioral Neuroscience</i> , 2013, 7, 224.	1.0	62
12	Sleep and olfactory cortical plasticity. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 134.	1.0	48
13	Engineering a thalamo-cortico-thalamic circuit on SpiNNaker: a preliminary study toward modeling sleep and wakefulness. <i>Frontiers in Neural Circuits</i> , 2014, 8, 46.	1.4	7
14	Experts bodies, experts minds: How physical and mental training shape the brain. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 280.	1.0	109
15	Sleep spindle and slow wave frequency reflect motor skill performance in primary school-age children. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 910.	1.0	44
16	No effect of odor-induced memory reactivation during REM sleep on declarative memory stability. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 157.	1.2	31
17	Prevalence of Sleep Duration on an Average School Night Among 4 Nationally Representative Successive Samples of American High School Students, 2007–2013. <i>Preventing Chronic Disease</i> , 2014, 11, E216.	1.7	62
18	Dopamine D2-like Receptor Activation Wipes Out Preferential Consolidation of High over Low Reward Memories during Human Sleep. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 2310-2320.	1.1	74

#	ARTICLE	IF	CITATIONS
19	Social learning within and across species: information transfer in mouse-eared bats. <i>Canadian Journal of Zoology</i> , 2014, 92, 129-139.	0.4	22
20	Sleep spindles provide indirect support to the consolidation of emotional encoding contexts. <i>Neuropsychologia</i> , 2014, 63, 285-292.	0.7	29
21	Characterization of K-Complexes and Slow Wave Activity in a Neural Mass Model. <i>PLoS Computational Biology</i> , 2014, 10, e1003923.	1.5	21
22	Cortical Odor Processing in Health and Disease. <i>Progress in Brain Research</i> , 2014, 208, 275-305.	0.9	58
23	Role of slow oscillatory activity and slow wave sleep in consolidation of episodic-like memory in rats. <i>Behavioural Brain Research</i> , 2014, 275, 126-130.	1.2	34
24	Sleep benefits in parallel implicit and explicit measures of episodic memory. <i>Learning and Memory</i> , 2014, 21, 190-198.	0.5	39
25	Transcranial Oscillatory Direct Current Stimulation During Sleep Improves Declarative Memory Consolidation in Children With Attention-deficit/hyperactivity Disorder to a Level Comparable to Healthy Controls. <i>Brain Stimulation</i> , 2014, 7, 793-799.	0.7	137
26	Untutored discrimination training on paired cell images influences visual learning in cytopathology. <i>Cancer Cytopathology</i> , 2014, 122, 200-210.	1.4	13
27	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
28	Transiently Increasing cAMP Levels Selectively in Hippocampal Excitatory Neurons during Sleep Deprivation Prevents Memory Deficits Caused by Sleep Loss. <i>Journal of Neuroscience</i> , 2014, 34, 15715-15721.	1.7	62
29	Integrating Your Experience and Opportunities to Prepare for Nurse Educator Certification. <i>Nurse Educator</i> , 2014, 39, 45-48.	0.6	1
30	Does Sleep Improve Memory Organization?. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 65.	1.0	9
31	A Bird's Eye View of Sleep-Dependent Memory Consolidation. <i>Current Topics in Behavioral Neurosciences</i> , 2014, 25, 207-237.	0.8	13
32	Olfactory Insights into Sleep-Dependent Learning and Memory. <i>Progress in Brain Research</i> , 2014, 208, 309-343.	0.9	12
33	Semantic congruence reverses effects of sleep restriction on associative encoding. <i>Neurobiology of Learning and Memory</i> , 2014, 110, 27-34.	1.0	17
34	Sleep enhances inhibitory behavioral control in discrimination learning in rats. <i>Experimental Brain Research</i> , 2014, 232, 1469-1477.	0.7	9
35	NREM and REM Sleep. <i>Neuroscientist</i> , 2014, 20, 203-219.	2.6	125
36	Theta frequency activity during rapid eye movement (REM) sleep is greater in people with resilience versus PTSD. <i>Experimental Brain Research</i> , 2014, 232, 1479-1485.	0.7	82

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37	Sleep and school education. Trends in Neuroscience and Education, 2014, 3, 18-23.	1.5	29
38	Sleep, synaptic connectivity, and hippocampal memory during early development. Trends in Cognitive Sciences, 2014, 18, 141-152.	4.0	82
39	The reorganisation of memory during sleep. Sleep Medicine Reviews, 2014, 18, 531-541.	3.8	145
40	Sensory-evoked synaptic integration in cerebellar and cerebral cortical neurons. Nature Reviews Neuroscience, 2014, 15, 71-83.	4.9	44
41	Selective Memory Generalization by Spatial Patterning of Protein Synthesis. Neuron, 2014, 82, 398-412.	3.8	47
42	Sleep and the Price of Plasticity: From Synaptic and Cellular Homeostasis to Memory Consolidation and Integration. Neuron, 2014, 81, 12-34.	3.8	1,673
43	The effects of social housing on extinction of fear conditioning in rapid eye movement sleep-deprived rats. Experimental Brain Research, 2014, 232, 1459-1467.	0.7	7
44	Environment and Brain Plasticity: Towards an Endogenous Pharmacotherapy. Physiological Reviews, 2014, 94, 189-234.	13.1	340
45	Sleep Spindles. Neuroscientist, 2014, 20, 243-256.	2.6	186
46	Differential Effects of Non-REM and REM Sleep on Memory Consolidation?. Current Neurology and Neuroscience Reports, 2014, 14, 430.	2.0	169
48	A role for sleep disorders in pregnancy complications: challenges and opportunities. American Journal of Obstetrics and Gynecology, 2014, 210, 3-11.	0.7	40
49	Complex associative memory processing and sleep: A systematic review and meta-analysis of behavioural evidence and underlying EEG mechanisms. Neuroscience and Biobehavioral Reviews, 2014, 47, 646-655.	2.9	30
50	Sleep replay meets brain-machine interface. Nature Neuroscience, 2014, 17, 1019-1021.	7.1	3
51	Evidence of sleep-facilitating effect on formation of novel semantic associations: An event-related potential (ERP) study. Neurobiology of Learning and Memory, 2014, 116, 69-78.	1.0	7
52	Optogenetic activation of septal cholinergic neurons suppresses sharp wave ripples and enhances theta oscillations in the hippocampus. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13535-13540.	3.3	297
53	Hippocampal replay and cortical slow oscillations: a computational study. BMC Neuroscience, 2014, 15, .	0.8	0
54	Reactivating Memories during Sleep by Odors: Odor Specificity and Associated Changes in Sleep Oscillations. Journal of Cognitive Neuroscience, 2014, 26, 1806-1818.	1.1	89
55	Neural oscillations during non-rapid eye movement sleep as biomarkers of circuit dysfunction in schizophrenia. European Journal of Neuroscience, 2014, 39, 1091-1106.	1.2	36

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56	Sleep, clocks, and synaptic plasticity. Trends in Neurosciences, 2014, 37, 491-501.	4.2	102
57	Global Intracellular Slow-Wave Dynamics of the Thalamocortical System. Journal of Neuroscience, 2014, 34, 8875-8893.	1.7	125
58	Sleep Slow-Wave Activity Reveals Developmental Changes in Experience-Dependent Plasticity. Journal of Neuroscience, 2014, 34, 12568-12575.	1.7	85
59	Psychophysiological arousal at encoding leads to reduced reactivity but enhanced emotional memory following sleep. Neurobiology of Learning and Memory, 2014, 114, 155-164.	1.0	71
60	Targeted Memory Reactivation During Slow Wave Sleep Facilitates Emotional Memory Consolidation. Sleep, 2014, 37, 701-707.	0.6	91
61	Thalamic olfaction: characterizing odor processing in the mediodorsal thalamus of the rat. Journal of Neurophysiology, 2014, 111, 1274-1285.	0.9	48
62	Deepening Sleep by Hypnotic Suggestion. Sleep, 2014, 37, 1143-1152.	0.6	65
63	Evaluation of a Piezoelectric System as an Alternative to Electroencephalogram/ Electromyogram Recordings in Mouse Sleep Studies. Sleep, 2014, 37, 1383-1392.	0.6	102
64	Exploring the Effect of Sleep and Reduced Interference on Different Forms of Declarative Memory. Sleep, 2014, 37, 1995-2007.	0.6	22
65	A clinician's perspective on memory reconsolidation as the primary basis for psychotherapeutic change in posttraumatic stress disorder (PTSD). Behavioral and Brain Sciences, 2015, 38, e8.	0.4	1
66	Psychopathology arises from intertemporal bargaining as well as from emotional trauma. Behavioral and Brain Sciences, 2015, 38, e2.	0.4	1
67	Reconsolidation versus retrieval competition: Rival hypotheses to explain memory change in psychotherapy. Behavioral and Brain Sciences, 2015, 38, e4.	0.4	10
68	Changing maladaptive memories through reconsolidation: A role for sleep in psychotherapy?. Behavioral and Brain Sciences, 2015, 38, e6.	0.4	6
69	The nature of the semantic/episodic memory distinction: A missing piece of the "working through" process. Behavioral and Brain Sciences, 2015, 38, e9.	0.4	8
70	Reconsolidation or re-association?. Behavioral and Brain Sciences, 2015, 38, e13.	0.4	3
71	Social-psychological evidence for the effective updating of implicit attitudes. Behavioral and Brain Sciences, 2015, 38, e15.	0.4	6
72	Emotion regulation as a main mechanism of change in psychotherapy. Behavioral and Brain Sciences, 2015, 38, e18.	0.4	5
73	Deconstructing the process of change in cognitive behavioral therapy: An alternative approach focusing on the episodic retrieval mode. Behavioral and Brain Sciences, 2015, 38, e26.	0.4	2

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74	Focus on emotion as a catalyst of memory updating during reconsolidation. Behavioral and Brain Sciences, 2015, 38, e27.	0.4	4
75	Mental model construction, not just memory, is a central component of cognitive change in psychotherapy. Behavioral and Brain Sciences, 2015, 38, e28.	0.4	0
76	The relevance of maintaining and worsening processes in psychopathology. Behavioral and Brain Sciences, 2015, 38, e14.	0.4	1
77	Multiple traces or Fuzzy Traces? Converging evidence for applications of modern cognitive theory to psychotherapy. Behavioral and Brain Sciences, 2015, 38, e22.	0.4	3
78	Disruption of reconsolidation processes is a balancing act—can it really account for change in psychotherapy?. Behavioral and Brain Sciences, 2015, 38, e25.	0.4	4
79	The integrated memory model: A new framework for understanding the mechanisms of change in psychotherapy. Behavioral and Brain Sciences, 2015, 38, .	0.4	4
80	Minding the findings: Let's not miss the message of memory reconsolidation research for psychotherapy. Behavioral and Brain Sciences, 2015, 38, e7.	0.4	9
81	Therapeutic affect reduction, emotion regulation, and emotional memory reconsolidation: A neuroscientific quandary. Behavioral and Brain Sciences, 2015, 38, e10.	0.4	1
82	Memory reconsolidation, repeating, and working through: Science and culture in psychotherapeutic research and practice. Behavioral and Brain Sciences, 2015, 38, e11.	0.4	0
83	Trade-offs between the accuracy and integrity of autobiographical narrative in memory reconsolidation. Behavioral and Brain Sciences, 2015, 38, e17.	0.4	3
84	How do we remember traumatic events? Exploring the role of neuromodulation. Behavioral and Brain Sciences, 2015, 38, e19.	0.4	2
85	Let's be skeptical about reconsolidation and emotional arousal in therapy. Behavioral and Brain Sciences, 2015, 38, e21.	0.4	1
86	How does psychotherapy work? A case study in multilevel explanation. Behavioral and Brain Sciences, 2015, 38, e23.	0.4	0
87	Reconsolidation: Turning consciousness into memory. Behavioral and Brain Sciences, 2015, 38, e24.	0.4	10
88	Memory reconsolidation and self-reorganization. Behavioral and Brain Sciences, 2015, 38, e29.	0.4	0
89	The importance of the rites of passage in assigning semantic structures to autobiographical memory. Behavioral and Brain Sciences, 2015, 38, e3.	0.4	1
90	Clinical applications of counterfactual thinking during memory reactivation. Behavioral and Brain Sciences, 2015, 38, e5.	0.4	6
91	Memory reconsolidation and psychotherapeutic process. Behavioral and Brain Sciences, 2015, 38, e12.	0.4	2

#	ARTICLE	IF	CITATIONS
92	Top-down versus bottom-up perspectives on clinically significant memory reconsolidation. Behavioral and Brain Sciences, 2015, 38, e16.	0.4	0
93	Memory reconsolidation keeps track of emotional changes, but what will explain the actual processing? Behavioral and Brain Sciences, 2015, 38, e20.	0.4	1
94	Mechanisms of hippocampal sequence replay. BMC Neuroscience, 2015, 16, .	0.8	0
95	Effects of sleep on memory for conditioned fear and fear extinction.. Psychological Bulletin, 2015, 141, 835-857.	5.5	171
96	Sleep and native language interference affect non-native speech sound learning.. Journal of Experimental Psychology: Human Perception and Performance, 2015, 41, 1680-1695.	0.7	41
97	The effect of sleep on motor learning in the aging and stroke population – a systematic review. Restorative Neurology and Neuroscience, 2015, 34, 153-164.	0.4	16
98	Sleep Correlates of Trait Executive Function and Memory in Parkinson's Disease. Journal of Parkinson's Disease, 2015, 5, 49-54.	1.5	16
100	Genetics, sleep and memory: a recall-by-genotype study of ZNF804A variants and sleep neurophysiology. BMC Medical Genetics, 2015, 16, 96.	2.1	10
101	Sleep spindles and human cortical nociception: a surface and intracerebral electrophysiological study. Journal of Physiology, 2015, 593, 4995-5008.	1.3	17
102	Sleep, Don't Sneeze: Longer Sleep Reduces the Risk of Catching a Cold. Sleep, 2015, 38, 1341-1342.	0.6	3
103	Cueing Fear Memory during Sleep – To Extinguish or to Enhance Fear?. Sleep, 2015, 38, 337-339.	0.6	25
104	The Multidimensional Aspects of Sleep Spindles and Their Relationship to Word-Pair Memory Consolidation. Sleep, 2015, 38, 1093-1103.	0.6	76
105	No Associations between Interindividual Differences in Sleep Parameters and Episodic Memory Consolidation. Sleep, 2015, 38, 951-9.	0.6	69
106	Napping facilitates word learning in early lexical development. Journal of Sleep Research, 2015, 24, 503-509.	1.7	57
107	How sleep and wakefulness influence circadian rhythmicity: effects of insufficient and mistimed sleep on the animal and human transcriptome. Journal of Sleep Research, 2015, 24, 476-493.	1.7	154
108	Sleep and anxiety in late childhood and early adolescence. Current Opinion in Psychiatry, 2015, 28, 483-489.	3.1	154
109	Cueing vocabulary during sleep increases theta activity during later recognition testing. Psychophysiology, 2015, 52, 1538-1543.	1.2	33
110	Infrequent dream recall associated with low performance but high overnight improvement on mirror-tracing. Journal of Sleep Research, 2015, 24, 372-382.	1.7	16

#	ARTICLE	IF	CITATIONS
111	Retinal Disorders and Sleep Disorders: Are They Genetically Related?. Journal of Visual Impairment and Blindness, 2015, 109, 359-370.	0.4	1
112	Overnight consolidation promotes generalization across talkers in the identification of nonnative speech sounds. Journal of the Acoustical Society of America, 2015, 137, EL91-EL97.	0.5	34
113	Sleep, recovery, and metaregulation: explaining the benefits of sleep. Nature and Science of Sleep, 2015, 7, 171.	1.4	73
114	Comment les intervalles temporels entre les répétitions d'une information en influencent-ils la mémorisation? Revue théorique des effets de pratique distribuée. Année Psychologique, 2015, 115, 435-462.	0.2	2
115	Is there an association between insomnia symptoms, aggressive behavior, and suicidality in adolescents?. Adolescent Health, Medicine and Therapeutics, 2015, 6, 29.	0.7	15
116	Sleep spindle and K-complex detection using tunable Q-factor wavelet transform and morphological component analysis. Frontiers in Human Neuroscience, 2015, 9, 414.	1.0	53
117	Lasting EEG/MEG Aftereffects of Rhythmic Transcranial Brain Stimulation: Level of Control Over Oscillatory Network Activity. Frontiers in Cellular Neuroscience, 2015, 9, 477.	1.8	154
118	State-dependencies of learning across brain scales. Frontiers in Computational Neuroscience, 2015, 9, 1.	1.2	104
119	Sleep and Motor Learning: Implications for Physical Rehabilitation After Stroke. Frontiers in Neurology, 2015, 6, 241.	1.1	29
120	Commentary: Altered sleep composition after traumatic brain injury does not affect declarative sleep-dependent memory consolidation. Frontiers in Human Neuroscience, 2015, 9, 379.	1.0	2
121	Modulating pathological oscillations by rhythmic non-invasive brain stimulation—a therapeutic concept?. Frontiers in Systems Neuroscience, 2015, 9, 33.	1.2	18
122	Commentary: Olfactory aversive conditioning during sleep reduces cigarette-smoking behavior. Frontiers in Psychology, 2015, 6, 586.	1.1	7
123	Novel mechanisms, treatments, and outcome measures in childhood sleep. Frontiers in Psychology, 2015, 6, 602.	1.1	4
124	Sleep smart—optimizing sleep for declarative learning and memory. Frontiers in Psychology, 2015, 6, 622.	1.1	64
125	Labile sleep promotes awareness of abstract knowledge in a serial reaction time task. Frontiers in Psychology, 2015, 6, 1354.	1.1	14
126	The role of REM sleep theta activity in emotional memory. Frontiers in Psychology, 2015, 6, 1439.	1.1	151
127	Non Pharmacological Cognitive Enhancers — Current Perspectives. Journal of Clinical and Diagnostic Research JCDR, 2015, 9, VE01-VE06.	0.8	15
128	Analog Flashbacks. Sleep, 2015, 38, 997-999.	0.6	3

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130	Unlearning implicit social biases during sleep. <i>Science</i> , 2015, 348, 1013-1015.	6.0	87
131	In search of a role of REM sleep in memory formation. <i>Neurobiology of Learning and Memory</i> , 2015, 122, 1-3.	1.0	15
132	Schema-conformant memories are preferentially consolidated during REM sleep. <i>Neurobiology of Learning and Memory</i> , 2015, 122, 41-50.	1.0	65
133	Neurology and psychiatry: waking up to opportunities of sleep. : State of the art and clinical/research priorities for the next decade. <i>European Journal of Neurology</i> , 2015, 22, 1337-1354.	1.7	46
134	Hippocampal sharp waveâ€ripple: A cognitive biomarker for episodic memory and planning. <i>Hippocampus</i> , 2015, 25, 1073-1188.	0.9	1,250
135	Intermanual transfer characteristics of dynamic learning: direction, coordinate frame, and consolidation of interlimb generalization. <i>Journal of Neurophysiology</i> , 2015, 114, 3166-3176.	0.9	37
136	Sleep and REM sleep disturbance in the pathophysiology of PTSD: the role of extinction memory. <i>Biology of Mood & Anxiety Disorders</i> , 2015, 5, 3.	4.7	169
137	Re-examining sleep's effect on motor skills: How to access performance on the finger tapping task?. <i>Sleep Science</i> , 2015, 8, 4-8.	0.4	10
138	Impaired extinction of fear conditioning after REM deprivation is magnified by rearing in an enriched environment. <i>Neurobiology of Learning and Memory</i> , 2015, 122, 11-18.	1.0	14
139	Improving sleep and cognition by hypnotic suggestion in the elderly. <i>Neuropsychologia</i> , 2015, 69, 176-182.	0.7	44
140	Science-Based Neurorehabilitation: Recommendations for Neurorehabilitation From Basic Science. <i>Journal of Motor Behavior</i> , 2015, 47, 7-17.	0.5	54
141	Sleep-dependent motor memory consolidation in older adults depends on task demands. <i>Neurobiology of Aging</i> , 2015, 36, 1409-1416.	1.5	42
142	Is serotonin an upper or a downer? The evolution of the serotonergic system and its role in depression and the antidepressant response. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 51, 164-188.	2.9	214
143	The role of rapid eye movement sleep for amygdala-related memory processing. <i>Neurobiology of Learning and Memory</i> , 2015, 122, 110-121.	1.0	127
144	Timely sleep facilitates declarative memory consolidation in infants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1625-1629.	3.3	127
145	REM sleep and memory reorganization: Potential relevance for psychiatry and psychotherapy. <i>Neurobiology of Learning and Memory</i> , 2015, 122, 28-40.	1.0	48
146	Sleep, Cognition, and Normal Aging. <i>Perspectives on Psychological Science</i> , 2015, 10, 97-137.	5.2	392
147	Sleep, Memory & Brain Rhythms. <i>Daedalus</i> , 2015, 144, 67-82.	0.9	72

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148	Sleep and memory in mammals, birds and invertebrates. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 50, 103-119.	2.9	128
149	Lempel-Ziv complexity of cortical activity during sleep and waking in rats. <i>Journal of Neurophysiology</i> , 2015, 113, 2742-2752.	0.9	94
150	Inter-individual and intra-individual variation of the effects of pulsed RF EMF exposure on the human sleep EEG. <i>Bioelectromagnetics</i> , 2015, 36, 169-177.	0.9	27
151	Is Cognitive Aging Associated with Levels of REM Sleep or Slow Wave Sleep?. <i>Sleep</i> , 2015, 38, 335-336.	0.6	24
152	Experience-dependent upregulation of multiple plasticity factors in the hippocampus during early REM sleep. <i>Neurobiology of Learning and Memory</i> , 2015, 122, 19-27.	1.0	32
153	Exposure to extinction-associated contextual tone during slow-wave sleep and wakefulness differentially modulates fear expression. <i>Neurobiology of Learning and Memory</i> , 2015, 123, 159-167.	1.0	27
154	Cueing vocabulary in awake subjects during the day has no effect on memory. <i>Somnologie</i> , 2015, 19, 133-140.	0.9	17
155	Generalization of word meanings during infant sleep. <i>Nature Communications</i> , 2015, 6, 6004.	5.8	141
156	Circadian regulation of slow waves in human sleep: Topographical aspects. <i>NeuroImage</i> , 2015, 116, 123-134.	2.1	70
157	Ambient Assisted Living. <i>Biosystems and Biorobotics</i> , 2015, , .	0.2	6
158	REM sleep enhancement of probabilistic classification learning is sensitive to subsequent interference. <i>Neurobiology of Learning and Memory</i> , 2015, 122, 63-68.	1.0	22
159	Sleep promotes analogical transfer in problem solving. <i>Cognition</i> , 2015, 143, 25-30.	1.1	41
160	Deprivation and Recovery of Sleep in Succession Enhances Reflexive Motor Behavior. <i>Cerebral Cortex</i> , 2015, 25, 4610-4618.	1.6	5
161	The hippocampus: A central node in a large-scale brain network for memory. <i>Revue Neurologique</i> , 2015, 171, 204-216.	0.6	37
162	Replay of conditioned stimuli during late REM and stage N2 sleep influences affective tone rather than emotional memory strength. <i>Neurobiology of Learning and Memory</i> , 2015, 122, 142-151.	1.0	39
163	A new function of rapid eye movement sleep: Improvement of muscular efficiency. <i>Physiology and Behavior</i> , 2015, 144, 110-115.	1.0	14
164	Not only but also: REM sleep creates and NREM Stage 2 instantiates landmark junctions in cortical memory networks. <i>Neurobiology of Learning and Memory</i> , 2015, 122, 69-87.	1.0	32
165	Human REM sleep: influence on feeding behaviour, with clinical implications. <i>Sleep Medicine</i> , 2015, 16, 910-916.	0.8	24

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166	The effect of selective REM-sleep deprivation on the consolidation and affective evaluation of emotional memories. <i>Neurobiology of Learning and Memory</i> , 2015, 122, 131-141.	1.0	78
167	Markers of automaticity in sleep-associated consolidation of novel words. <i>Neuropsychologia</i> , 2015, 71, 146-157.	0.7	29
168	The effect of distributed practice: Neuroscience, cognition, and education. <i>Trends in Neuroscience and Education</i> , 2015, 4, 49-59.	1.5	66
169	Letter to the Editor: Simply avoiding reactivating fear memory after exposure therapy may help to consolidate fear extinction memory – a reply. <i>Psychological Medicine</i> , 2015, 45, 887-888.	2.7	0
171	Genetic deletion of melanin-concentrating hormone neurons impairs hippocampal short-term synaptic plasticity and hippocampal-dependent forms of short-term memory. <i>Hippocampus</i> , 2015, 25, 1361-1373.	0.9	20
172	Impairment of sleep-related memory consolidation in schizophrenia: relevance of sleep spindles?. <i>Sleep Medicine</i> , 2015, 16, 564-569.	0.8	99
173	Sleep-Dependent Memory Consolidation in Children. <i>Seminars in Pediatric Neurology</i> , 2015, 22, 130-134.	1.0	10
174	Nap sleep preserves associative but not item memory performance. <i>Neurobiology of Learning and Memory</i> , 2015, 120, 84-93.	1.0	39
175	Safety profile of tasimelteon, a melatonin MT ₁ and MT ₂ receptor agonist: pooled safety analyses from six clinical studies. <i>Expert Opinion on Drug Safety</i> , 2015, 14, 1673-1685.	1.0	172
176	System Consolidation During Sleep – A Common Principle Underlying Psychological and Immunological Memory Formation. <i>Trends in Neurosciences</i> , 2015, 38, 585-597.	4.2	87
177	Hierarchical nesting of slow oscillations, spindles and ripples in the human hippocampus during sleep. <i>Nature Neuroscience</i> , 2015, 18, 1679-1686.	7.1	615
178	Auditory feedback blocks memory benefits of cueing during sleep. <i>Nature Communications</i> , 2015, 6, 8729.	5.8	128
179	Neurophysiological and Behavioural Variables in Cognitive Impairment: Towards a Personalised Monitoring System. <i>Biosystems and Biorobotics</i> , 2015, , 407-417.	0.2	1
180	How to become an expert: A new perspective on the role of sleep in the mastery of procedural skills. <i>Neurobiology of Learning and Memory</i> , 2015, 125, 236-248.	1.0	45
181	Disrupted Sleep: From Molecules to Cognition. <i>Journal of Neuroscience</i> , 2015, 35, 13889-13895.	1.7	91
182	The Consolidation and Transformation of Memory. <i>Neuron</i> , 2015, 88, 20-32.	3.8	482
183	Measuring Brain Stimulation Induced Changes in Cortical Properties Using TMS-EEG. <i>Brain Stimulation</i> , 2015, 8, 1010-1020.	0.7	98
184	A Dual Role for Sleep Spindles in Sleep-Dependent Memory Consolidation?. <i>Journal of Neuroscience</i> , 2015, 35, 12328-12330.	1.7	9

#	ARTICLE	IF	CITATIONS
185	Fragmented Sleep and Memory Consolidation. , 2015, , 263-270.		0
186	Phase-locking of bursting neuronal firing to dominant LFP frequency components. <i>BioSystems</i> , 2015, 136, 73-79.	0.9	7
187	Caffeine, the circadian clock, and sleep. <i>Science</i> , 2015, 349, 1289-1289.	6.0	18
188	The Yin and Yang of Sleep and Attention. <i>Trends in Neurosciences</i> , 2015, 38, 776-786.	4.2	62
189	Dissociating the contributions of slow-wave sleep and rapid eye movement sleep to emotional item and source memory. <i>Neurobiology of Learning and Memory</i> , 2015, 122, 122-130.	1.0	62
190	REM sleep rescues learning from interference. <i>Neurobiology of Learning and Memory</i> , 2015, 122, 51-62.	1.0	71
191	Avian Versus Mammalian Sleep: the Fruits of Comparing Apples and Oranges. <i>Current Sleep Medicine Reports</i> , 2015, 1, 55-63.	0.7	20
192	Ascent to moderate altitude impairs overnight memory improvements. <i>Physiology and Behavior</i> , 2015, 139, 121-126.	1.0	8
193	Paradoxical sleep: A vigilance state to gate long-term brain plasticity?. <i>Neurobiology of Learning and Memory</i> , 2015, 122, 4-10.	1.0	23
194	Complementary Roles of Slow-Wave Sleep and Rapid Eye Movement Sleep in Emotional Memory Consolidation. <i>Cerebral Cortex</i> , 2015, 25, 1565-1575.	1.6	97
195	The metabolic burden of sleep loss. <i>Lancet Diabetes and Endocrinology</i> , the, 2015, 3, 52-62.	5.5	240
196	Cognitive Debt and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 755-770.	1.2	44
197	Glycogen metabolism and the homeostatic regulation of sleep. <i>Metabolic Brain Disease</i> , 2015, 30, 263-279.	1.4	49
198	Oscillatory multiplexing of neural population codes for interval timing and working memory. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 48, 160-185.	2.9	132
199	Topographic sleep <scp>EEG</scp> changes in the acute and chronic stage of hemispheric stroke. <i>Journal of Sleep Research</i> , 2015, 24, 54-65.	1.7	62
200	Evidence for two distinct sleep-related long-term memory consolidation processes. <i>Cortex</i> , 2015, 63, 68-78.	1.1	57
201	An in depth view of avian sleep. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 50, 120-127.	2.9	20
202	Boosting Vocabulary Learning by Verbal Cueing During Sleep. <i>Cerebral Cortex</i> , 2015, 25, 4169-4179.	1.6	149

#	ARTICLE	IF	CITATIONS
203	Overnight Motor Skill Learning Outcomes in Obstructive Sleep Apnea: Effect of Continuous Positive Airway Pressure. <i>Journal of Clinical Sleep Medicine</i> , 2016, 12, 681-688.	1.4	11
204	Spatiotemporal Organization and Cross-Frequency Coupling of Sleep Spindles in Primate Cerebral Cortex. <i>Sleep</i> , 2016, 39, 1719-1735.	0.6	18
205	Functions and Mechanisms of Sleep. <i>AIMS Neuroscience</i> , 2016, 3, 67-104.	1.0	153
206	Qualidade do sono e cronotipo de estudantes de enfermagem. <i>ACTA Paulista De Enfermagem</i> , 2016, 29, 658-663.	0.1	19
207	Clinical Considerations of Obstructive Sleep Apnea with Little REM Sleep. <i>Journal of Clinical</i>		

#	ARTICLE	IF	CITATIONS
221	A Supplement to Self-Organization Theory of Dreaming. <i>Frontiers in Psychology</i> , 2016, 7, 332.	1.1	1
222	Free Energy and Virtual Reality in Neuroscience and Psychoanalysis: A Complexity Theory of Dreaming and Mental Disorder. <i>Frontiers in Psychology</i> , 2016, 7, 922.	1.1	39
223	The Limited Capacity of Sleep-Dependent Memory Consolidation. <i>Frontiers in Psychology</i> , 2016, 7, 1368.	1.1	36
224	Naps promote flexible memory retrieval in 12-month-old infants. <i>Developmental Psychobiology</i> , 2016, 58, 866-874.	0.9	24
225	Brain stimulation during an afternoon nap boosts slow oscillatory activity and memory consolidation in older adults. <i>NeuroImage</i> , 2016, 142, 311-323.	2.1	72
226	GANEing traction: The broad applicability of NE hotspots to diverse cognitive and arousal phenomena. <i>Behavioral and Brain Sciences</i> , 2016, 39, e228.	0.4	16
227	Bodily arousal differentially impacts stimulus processing and memory: Norepinephrine in interoception. <i>Behavioral and Brain Sciences</i> , 2016, 39, e205.	0.4	5
228	What do we GANE with age?. <i>Behavioral and Brain Sciences</i> , 2016, 39, e218.	0.4	2
229	Amplified selectivity in cognitive processing implements the neural gain model of norepinephrine function. <i>Behavioral and Brain Sciences</i> , 2016, 39, e206.	0.4	7
230	Slow wave and REM sleep deprivation effects on explicit and implicit memory during sleep.. <i>Neuropsychology</i> , 2016, 30, 931-945.	1.0	26
231	Motivational Influences on Memory. <i>Advances in Motivation and Achievement: A Research Annual</i> , 2016, , 203-227.	0.3	19
232	Emotionally arousing context modulates the ERP correlates of neutral picture processing: An ERP test of the GANE model. <i>Behavioral and Brain Sciences</i> , 2016, 39, e225.	0.4	4
233	The role of arousal in predictive coding. <i>Behavioral and Brain Sciences</i> , 2016, 39, e207.	0.4	11
234	Why we forget our dreams: Acetylcholine and norepinephrine in wakefulness and REM sleep. <i>Behavioral and Brain Sciences</i> , 2016, 39, e202.	0.4	8
235	Does arousal enhance apical amplification and disamplification?. <i>Behavioral and Brain Sciences</i> , 2016, 39, e215.	0.4	6
236	A Novel Neural Probe for Simultaneous Electrical Recording and Local Thermal Control in Sleep Spindle Oscillation Studies. <i>Procedia Engineering</i> , 2016, 168, 109-112.	1.2	0
237	GANEing on emotion and emotion regulation. <i>Behavioral and Brain Sciences</i> , 2016, 39, e211.	0.4	0
238	What BANE can offer GANE: Individual differences in function of hotspot mechanisms. <i>Behavioral and Brain Sciences</i> , 2016, 39, e226.	0.4	0

#	ARTICLE	IF	CITATIONS
239	Interactions of noradrenaline and cortisol and the induction of indelible memories. Behavioral and Brain Sciences, 2016, 39, e213.	0.4	1
240	Implicit memory for words heard during sleep. Neuroscience of Consciousness, 2016, 2016, niw014.	1.4	23
241	Large-scale recording of thalamocortical circuits: in vivo electrophysiology with the two-dimensional electronic depth control silicon probe. Journal of Neurophysiology, 2016, 116, 2312-2330.	0.9	33
242	Emotional arousal modulates oscillatory correlates of targeted memory reactivation during NREM, but not REM sleep. Scientific Reports, 2016, 6, 39229.	1.6	79
243	Understanding of anesthesia â€“ Why consciousness is essential for life and not based on genes. Communicative and Integrative Biology, 2016, 9, e1238118.	0.6	37
244	Fragmentation of Rapid Eye Movement and Nonrapid Eye Movement Sleep without Total Sleep Loss Impairs Hippocampus-Dependent Fear Memory Consolidation. Sleep, 2016, 39, 2021-2031.	0.6	18
245	For better or worse, or for a change?. Behavioral and Brain Sciences, 2016, 39, e203.	0.4	0
246	The effect of food quality during growth on spatial memory consolidation in adult pigeons. Journal of Experimental Biology, 2016, 220, 573-581.	0.8	2
247	Bidirectional synaptic plasticity can explain bidirectional retrograde effects of emotion on memory. Behavioral and Brain Sciences, 2016, 39, e224.	0.4	1
248	Alzheimerâ€™s Disease Severity is Not Significantly Associated with Short Sleep: Survey by Actigraphy on 208 Mild and Moderate Alzheimerâ€™s Disease Patients. Journal of Alzheimer's Disease, 2016, 55, 321-331.	1.2	14
249	Emotional bias of sleep-dependent processing shifts from negative to positive with aging. Neurobiology of Aging, 2016, 45, 178-189.	1.5	37
250	Association between shift work history and performance on the trail making test in middle-aged and elderly humans: the EpiHealth study. Neurobiology of Aging, 2016, 45, 23-29.	1.5	39
251	Sleep supports cued fear extinction memory consolidation independent of circadian phase. Neurobiology of Learning and Memory, 2016, 132, 9-17.	1.0	20
252	Sleep as spatiotemporal integration of biological processes that evolved to periodically reinforce neurodynamic and metabolic homeostasis: The 2m3d paradigm of sleep. Journal of the Neurological Sciences, 2016, 367, 63-80.	0.3	7
253	Sleep Spindle Density Predicts the Effect of Prior Knowledge on Memory Consolidation. Journal of Neuroscience, 2016, 36, 3799-3810.	1.7	96
254	Stimulating forebrain communications: Slow sinusoidal electric fields over frontal cortices dynamically modulate hippocampal activity and cortico-hippocampal interplay during slow-wave states. NeuroImage, 2016, 133, 189-206.	2.1	16
255	Modeling the effect of sleep regulation on a neural mass model. Journal of Computational Neuroscience, 2016, 41, 15-28.	0.6	23
256	Spindle activity phase-locked to sleep slow oscillations. NeuroImage, 2016, 134, 607-616.	2.1	101

#	ARTICLE	IF	CITATIONS
257	Network Homeostasis and State Dynamics of Neocortical Sleep. <i>Neuron</i> , 2016, 90, 839-852.	3.8	259
258	Boosting Slow Oscillatory Activity Using tDCS during Early Nocturnal Slow Wave Sleep Does Not Improve Memory Consolidation in Healthy Older Adults. <i>Brain Stimulation</i> , 2016, 9, 730-739.	0.7	57
259	REMembering what you learned. <i>Science</i> , 2016, 352, 770-771.	6.0	4
260	REM Sleep: Food for Thought?. , 2016, , 183-194.		0
261	Unified theory of Alzheimer's disease (UTAD): implications for prevention and curative therapy. <i>Journal of Molecular Psychiatry</i> , 2016, 4, 3.	2.0	28
262	Sleep and mental disorders: A meta-analysis of polysomnographic research.. <i>Psychological Bulletin</i> , 2016, 142, 969-990.	5.5	658
263	Sleep-Stage-Specific Regulation of Cortical Excitation and Inhibition. <i>Current Biology</i> , 2016, 26, 2739-2749.	1.8	102
264	Optimizing Learning in College. <i>Perspectives on Psychological Science</i> , 2016, 11, 652-660.	5.2	54
265	Sleep's role in the reconsolidation of declarative memories. <i>Neurobiology of Learning and Memory</i> , 2016, 136, 166-173.	1.0	23
266	Crossing the invisible line: De-differentiation of wake, sleep and dreaming may engender both creative insight and psychopathology. <i>Consciousness and Cognition</i> , 2016, 46, 127-147.	0.8	12
267	The influence of sleep on emotional and cognitive processing is primarily trait- (but not state-) dependent. <i>Neurobiology of Learning and Memory</i> , 2016, 134, 275-286.	1.0	20
268	Sleep Increases Susceptibility to the Misinformation Effect. <i>Applied Cognitive Psychology</i> , 2016, 30, 1061-1067.	0.9	9
269	Feedback-Controlled Transcranial Alternating Current Stimulation Reveals a Functional Role of Sleep Spindles in Motor Memory Consolidation. <i>Current Biology</i> , 2016, 26, 2127-2136.	1.8	194
270	Brain Insulin Resistance at the Crossroads of Metabolic and Cognitive Disorders in Humans. <i>Physiological Reviews</i> , 2016, 96, 1169-1209.	13.1	384
271	Epidemiological study on chronotype among preschool children in Japan: Prevalence, sleep-wake patterns, and associated factors. <i>Chronobiology International</i> , 2016, 33, 1340-1350.	0.9	9
273	Relearn Faster and Retain Longer. <i>Psychological Science</i> , 2016, 27, 1321-1330.	1.8	27
274	Target Engagement with Transcranial Current Stimulation. , 2016, , 197-222.		1
275	Neuroscience: A Sleep Rhythm with Multiple Facets. <i>Current Biology</i> , 2016, 26, R813-R815.	1.8	7

#	ARTICLE	IF	CITATIONS
276	Timing matters: open-loop stimulation does not improve overnight consolidation of word pairs in humans. <i>European Journal of Neuroscience</i> , 2016, 44, 2357-2368.	1.2	64
277	Sleep quality influences subsequent motor skill acquisition.. <i>Behavioral Neuroscience</i> , 2016, 130, 290-297.	0.6	19
278	Unraveling the Evolutionary Determinants of Sleep. <i>Current Biology</i> , 2016, 26, R1073-R1087.	1.8	155
279	Estimating individual optimal sleep duration and potential sleep debt. <i>Scientific Reports</i> , 2016, 6, 35812.	1.6	62
280	Neuroscience: What Are Cortical Neurons Doing during Sleep?. <i>Current Biology</i> , 2016, 26, R1147-R1150.	1.8	6
281	Does Consciousness Disappear in Dreamless Sleep?. <i>Trends in Cognitive Sciences</i> , 2016, 20, 871-882.	4.0	86
282	Identified Cellular Correlates of Neocortical Ripple and High-Gamma Oscillations during Spindles of Natural Sleep. <i>Neuron</i> , 2016, 92, 916-928.	3.8	48
283	Acute Sleep Deprivation Blocks Short- and Long-Term Operant Memory in <i>Aplysia</i> . <i>Sleep</i> , 2016, 39, 2161-2171.	0.6	29
284	Sleep Strengthens but does Not Reorganize Memory Traces in a Verbal Creativity Task. <i>Sleep</i> , 2016, 39, 705-713.	0.6	30
285	The Benefits of Targeted Memory Reactivation for Consolidation in Sleep are Contingent on Memory Accuracy and Direct Cue-Memory Associations. <i>Sleep</i> , 2016, 39, 1139-1150.	0.6	64
286	Neuroenhancement im Schlaf. <i>KörperKulturen</i> , 2016, , 25-46.	0.0	1
287	Levels of Interference in Long and Short-Term Memory Differentially Modulate Non-REM and REM Sleep. <i>Sleep</i> , 2016, 39, 2173-2188.	0.6	9
288	Cognitive control, dynamic salience, and the imperative toward computational accounts of neuromodulatory function. <i>Behavioral and Brain Sciences</i> , 2016, 39, e227.	0.4	5
289	The Fluency Amplification Model supports the GANE principle of arousal enhancement. <i>Behavioral and Brain Sciences</i> , 2016, 39, e204.	0.4	5
290	Once more with feeling: On the explanatory limits of the GANE model and the missing role of subjective experience. <i>Behavioral and Brain Sciences</i> , 2016, 39, e212.	0.4	0
291	Competition elicits arousal and affect. <i>Behavioral and Brain Sciences</i> , 2016, 39, e220.	0.4	0
292	The Effects of Benzodiazepine and Nonbenzodiazepine Agents, Ramelteon, Low-dose Doxepin, Suvorexant, and Selective Serotonin 5-HT _{2A} Receptor Antagonists and Inverse Agonists on Sleep and Wakefulness. <i>Clinical Medicine Insights Therapeutics</i> , 2016, 8, CMT.S38232.	0.4	1
293	Understanding Recent Insights in Sleep and Posttraumatic Stress Disorder from a Research Domain Criteria (RDoC) Framework. <i>Current Sleep Medicine Reports</i> , 2016, 2, 223-232.	0.7	5

#	ARTICLE	IF	CITATIONS
294	Effect of arousal on perception as studied through the lens of the motor correlates of sexual arousal. Behavioral and Brain Sciences, 2016, 39, e217.	0.4	1
295	Effects of Sleep after Experimental Trauma on Intrusive Emotional Memories. Sleep, 2016, 39, 2125-2132.	0.6	87
296	Emotional memory: From affective relevance to arousal. Behavioral and Brain Sciences, 2016, 39, e216.	0.4	9
297	The relationship between prior night's sleep and measures of infant imitation. Developmental Psychobiology, 2016, 58, 450-461.	0.9	18
298	Sleep before and after learning promotes the consolidation of both neutral and emotional information regardless of REM presence. Neurobiology of Learning and Memory, 2016, 133, 136-144.	1.0	65
299	Micro-, Meso- and Macro-Dynamics of the Brain. Research and Perspectives in Neurosciences, 2016, , .	0.4	14
301	Neural Markers of Responsiveness to the Environment in Human Sleep. Journal of Neuroscience, 2016, 36, 6583-6596.	1.7	106
302	Autonomic activity during sleep predicts memory consolidation in humans. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7272-7277.	3.3	58
303	Laminar analysis of the slow wave activity in the somatosensory cortex of anesthetized rats. European Journal of Neuroscience, 2016, 44, 1935-1951.	1.2	37
304	PV plasticity sustained through D1/5 dopamine signaling required for long-term memory consolidation. Nature Neuroscience, 2016, 19, 454-464.	7.1	99
305	Sleep benefits emotional and neutral associative memories equally. Somnologie, 2016, 20, 47-53.	0.9	18
306	Effects of oral temazepam on slow waves during non-rapid eye movement sleep in healthy young adults: A high-density EEG investigation. International Journal of Psychophysiology, 2016, 101, 25-32.	0.5	3
307	Effects of mobile phone exposure (GSM 900 and WCDMA/UMTS) on polysomnography based sleep quality: An intra- and inter-individual perspective. Environmental Research, 2016, 145, 50-60.	3.7	37
308	Allowing time to consolidate knowledge gained through random practice facilitates later novel motor sequence acquisition. Acta Psychologica, 2016, 163, 153-166.	0.7	9
309	Regulation of Hippocampal Firing by Network Oscillations during Sleep. Current Biology, 2016, 26, 893-902.	1.8	101
310	Increased frontal sleep slow wave activity in adolescents with major depression. NeuroImage: Clinical, 2016, 10, 250-256.	1.4	36
311	Learning and sleep-dependent consolidation of spatial and procedural memories are unaltered in young men under a fixed short sleep schedule. Neurobiology of Learning and Memory, 2016, 131, 87-94.	1.0	12
314	Memory consolidation in fragmented sleep. Somnologie, 2016, 20, 37-46.	0.9	4

#	ARTICLE	IF	CITATIONS
315	Cellular and System Biology of Memory: Timing, Molecules, and Beyond. <i>Physiological Reviews</i> , 2016, 96, 647-693.	13.1	96
316	Regulation of neuron-astrocyte metabolic coupling across the sleep-wake cycle. <i>Neuroscience</i> , 2016, 323, 135-156.	1.1	67
317	The effects of sleep, wake activity and time-on-task on offline motor sequence learning. <i>Neurobiology of Learning and Memory</i> , 2016, 127, 56-63.	1.0	21
318	Effects of phase-locked acoustic stimulation during a nap on EEG spectra and declarative memory consolidation. <i>Sleep Medicine</i> , 2016, 20, 88-97.	0.8	128
319	Influence of reward motivation on human declarative memory. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 61, 156-176.	2.9	126
320	Could BDNF be involved in compensatory mechanisms to maintain cognitive performance despite acute sleep deprivation? An exploratory study. <i>International Journal of Psychophysiology</i> , 2016, 99, 96-102.	0.5	29
321	Increased gamma band power during movement planning coincides with motor memory retrieval. <i>NeuroImage</i> , 2016, 125, 172-181.	2.1	26
322	Sleep-dependent memory consolidation and its implications for psychiatry. <i>Journal of Neural Transmission</i> , 2017, 124, 163-178.	1.4	17
323	State of the art on targeted memory reactivation: Sleep your way to enhanced cognition. <i>Sleep Medicine Reviews</i> , 2017, 32, 123-131.	3.8	84
324	Sleep spindles during a nap correlate with post sleep memory performance for highly rewarded word-pairs. <i>Brain and Language</i> , 2017, 167, 28-35.	0.8	32
325	The beneficial role of memory reactivation for language learning during sleep: A review. <i>Brain and Language</i> , 2017, 167, 94-105.	0.8	52
326	Hemispheric processing of memory is affected by sleep. <i>Brain and Language</i> , 2017, 167, 36-43.	0.8	6
327	Brief wakeful resting can eliminate directed forgetting. <i>Memory</i> , 2017, 25, 254-260.	0.9	6
328	Aqueous Leaf Extract of <i>Withania somnifera</i> as a Potential Neuroprotective Agent in Sleep-deprived Rats: a Mechanistic Study. <i>Molecular Neurobiology</i> , 2017, 54, 3050-3061.	1.9	28
329	Sleep to Remember. <i>Journal of Neuroscience</i> , 2017, 37, 457-463.	1.7	79
330	Prior knowledge is essential for the beneficial effect of targeted memory reactivation during sleep. <i>Scientific Reports</i> , 2017, 7, 39763.	1.6	42
331	Age-related differences in sleep-based memory consolidation: A meta-analysis. <i>Neuropsychologia</i> , 2017, 97, 46-55.	0.7	58
332	Ultrastructural evidence for synaptic scaling across the wake/sleep cycle. <i>Science</i> , 2017, 355, 507-510.	6.0	438

#	ARTICLE	IF	CITATIONS
333	Targeted Reactivation during Sleep Differentially Affects Negative Memories in Socially Anxious and Healthy Children and Adolescents. <i>Journal of Neuroscience</i> , 2017, 37, 2425-2434.	1.7	31
334	REM sleep selectively prunes and maintains new synapses in development and learning. <i>Nature Neuroscience</i> , 2017, 20, 427-437.	7.1	375
335	Neural Circuitry of Wakefulness and Sleep. <i>Neuron</i> , 2017, 93, 747-765.	3.8	614
336	Neuronal Oscillations and Reactivation Subserve Memory Consolidation. <i>Studies in Neuroscience, Psychology and Behavioral Economics</i> , 2017, , 185-207.	0.1	10
337	A Role of Sleep in Forming Predictive Codes. <i>Studies in Neuroscience, Psychology and Behavioral Economics</i> , 2017, , 117-132.	0.1	7
338	Sleep Supports the Slow Abstraction of Gist from Visual Perceptual Memories. <i>Scientific Reports</i> , 2017, 7, 42950.	1.6	56
339	The Effect of Sleep on Multiple Memory Systems. <i>Studies in Neuroscience, Psychology and Behavioral Economics</i> , 2017, , 105-115.	0.1	6
340	Memory Manipulation During Sleep: Fundamental Advances and Possibilities for Application. <i>Studies in Neuroscience, Psychology and Behavioral Economics</i> , 2017, , 313-334.	0.1	4
341	Constant Light Desynchronizes Olfactory versus Object and Visuospatial Recognition Memory Performance. <i>Journal of Neuroscience</i> , 2017, 37, 3555-3567.	1.7	13
342	Sleep regulation of the distribution of cortical firing rates. <i>Current Opinion in Neurobiology</i> , 2017, 44, 34-42.	2.0	63
343	The impact of sleep on novel concept learning. <i>Neurobiology of Learning and Memory</i> , 2017, 141, 19-26.	1.0	21
344	Reinforcing Language Learning During Sleep. <i>Studies in Neuroscience, Psychology and Behavioral Economics</i> , 2017, , 347-366.	0.1	0
345	Automatic detection of periods of slow wave sleep based on intracranial depth electrode recordings. <i>Journal of Neuroscience Methods</i> , 2017, 282, 1-8.	1.3	18
346	REM sleep estimation based on autonomic dynamics using RÊumlungrave intervals. <i>Physiological Measurement</i> , 2017, 38, 631-651.	1.2	28
347	Sleep and memory consolidation: a common mechanism across species?. <i>Journal of Neurophysiology</i> , 2017, 117, 1-3.	0.9	0
348	Macroscopic coherent structures in a stochastic neural network: from interface dynamics to coarse-grained bifurcation analysis. <i>Journal of Mathematical Biology</i> , 2017, 75, 885-928.	0.8	10
349	Degradation of cortical representations during encoding following sleep deprivation. <i>NeuroImage</i> , 2017, 153, 131-138.	2.1	22
350	The interrelated effect of sleep and learning in dogs (<i>Canis familiaris</i>); an EEG and behavioural study. <i>Scientific Reports</i> , 2017, 7, 41873.	1.6	41

#	ARTICLE	IF	CITATIONS
351	Coordinated infraslow neural and cardiac oscillations mark fragility and offline periods in mammalian sleep. <i>Science Advances</i> , 2017, 3, e1602026.	4.7	140
352	Sleep and hippocampal neurogenesis: Implications for Alzheimer's disease. <i>Frontiers in Neuroendocrinology</i> , 2017, 45, 35-52.	2.5	38
353	Sleep and language learning. <i>Brain and Language</i> , 2017, 167, 1-2.	0.8	6
354	That's the Way I Think. , 0, , .		2
355	Memory effects of sleep, emotional valence, arousal and novelty in children. <i>Journal of Sleep Research</i> , 2017, 26, 309-317.	1.7	10
356	Sculpting memory during sleep: concurrent consolidation and forgetting. <i>Current Opinion in Neurobiology</i> , 2017, 44, 20-27.	2.0	136
357	Consolidation of vocabulary during sleep: The rich get richer?. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 77, 1-13.	2.9	59
358	Midbrain dopaminergic neuron activity across alternating brain states of urethane anaesthetized rat. <i>European Journal of Neuroscience</i> , 2017, 45, 1068-1077.	1.2	13
359	Is Dreaming Related to Sleep-Dependent Memory Consolidation?. <i>Studies in Neuroscience, Psychology and Behavioral Economics</i> , 2017, , 173-182.	0.1	6
360	Sleep-Related Interventions to Improve Psychotherapy. <i>Studies in Neuroscience, Psychology and Behavioral Economics</i> , 2017, , 381-400.	0.1	3
361	The Role of Sleep Spindles in Sleep-Dependent Memory Consolidation. <i>Studies in Neuroscience, Psychology and Behavioral Economics</i> , 2017, , 209-226.	0.1	9
362	The missing link between sleep disorders and age-related dementia: recent evidence and plausible mechanisms. <i>Journal of Neural Transmission</i> , 2017, 124, 559-568.	1.4	13
363	Differential modulation of global and local neural oscillations in REM sleep by homeostatic sleep regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1727-E1736.	3.3	27
364	Sleep enhances knowledge of routes and regions in spatial environments. <i>Learning and Memory</i> , 2017, 24, 140-144.	0.5	11
365	Low Activity Microstates During Sleep. <i>Sleep</i> , 2017, 40, .	0.6	24
366	Sleep in Studio Based Courses: Outcomes for Creativity Task Performance. <i>Journal of Interior Design</i> , 2017, 42, 5-28.	0.4	9
367	The role of sleep in the plasticity of the olfactory system. <i>Neuroscience Research</i> , 2017, 118, 21-29.	1.0	8
368	Sleeping on the motor engram: The multifaceted nature of sleep-related motor memory consolidation. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 80, 1-22.	2.9	151

#	ARTICLE	IF	CITATIONS
369	Sleep slow oscillation and plasticity. <i>Current Opinion in Neurobiology</i> , 2017, 44, 116-126.	2.0	87
370	Sleep does not cause false memories on a story-based test of suggestibility. <i>Consciousness and Cognition</i> , 2017, 52, 39-46.	0.8	5
371	The role of sleep in recovery following ischemic stroke: A review of human and animal data. <i>Neurobiology of Sleep and Circadian Rhythms</i> , 2017, 2, 94-105.	1.4	114
372	REM Sleep on It!. <i>Neuropsychopharmacology</i> , 2017, 42, 375-375.	2.8	1
373	NREM sleep spindles are associated with dream recall. <i>Sleep Spindles & Cortical Up States</i> , 2017, 1, 27-41.	1.5	16
374	Hippocampal information processing across sleep/wake cycles. <i>Neuroscience Research</i> , 2017, 118, 30-47.	1.0	46
375	Decoding material-specific memory reprocessing during sleep in humans. <i>Nature Communications</i> , 2017, 8, 15404.	5.8	113
376	Wearable device for increasing the slow wave sleep stage by electrocutaneous stimulation. , 2017, , .		3
377	Promoting Sleep Oscillations and Their Functional Coupling by Transcranial Stimulation Enhances Memory Consolidation in Mild Cognitive Impairment. <i>Journal of Neuroscience</i> , 2017, 37, 7111-7124.	1.7	180
378	Delta and theta activity during slow-wave sleep are associated with declarative but not with non-declarative learning in children with sleep-disordered breathing. <i>Sleep Spindles & Cortical Up States</i> , 2017, 1, 55-66.	1.5	5
379	REM sleep and memory. <i>Current Opinion in Neurobiology</i> , 2017, 44, 167-177.	2.0	94
380	Coordination of cortical and thalamic activity during non-REM sleep in humans. <i>Nature Communications</i> , 2017, 8, 15499.	5.8	132
381	Sleep homeostasis, habits and habituation. <i>Current Opinion in Neurobiology</i> , 2017, 44, 202-211.	2.0	27
382	Critical role of CA1 muscarinic receptors on memory acquisition deficit induced by total (TSD) and REM sleep deprivation (RSD). <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017, 79, 128-135.	2.5	17
383	Coordination of Slow Waves With Sleep Spindles Predicts Sleep-Dependent Memory Consolidation in Schizophrenia. <i>Sleep</i> , 2017, 40, .	0.6	69
384	Using Oscillating Sounds to Manipulate Sleep Spindles. <i>Sleep</i> , 2017, 40, .	0.6	46
385	Learning curves of elite car racers. <i>International Journal of Sports Science and Coaching</i> , 2017, 12, 245-251.	0.7	1
386	The Effects of an Afternoon Nap on Episodic Memory in Young and Older Adults. <i>Sleep</i> , 2017, 40, .	0.6	38

#	ARTICLE	IF	CITATIONS
387	Deciphering Neural Codes of Memory during Sleep. Trends in Neurosciences, 2017, 40, 260-275.	4.2	57
388	Clicking the brain into deep sleep. Commentary on Weigenand <i>et al</i> . (). European Journal of Neuroscience, 2017, 45, 629-630.	1.2	1
389	Widespread reduction in sleep spindle activity in socially anxious children and adolescents. Journal of Psychiatric Research, 2017, 88, 47-55.	1.5	34
390	The effects of sleep restriction and sleep deprivation in producing false memories. Neurobiology of Learning and Memory, 2017, 137, 107-113.	1.0	19
392	Mental time travel to the future might be reduced in sleep. Consciousness and Cognition, 2017, 48, 180-189.	0.8	4
393	Memory consolidation of socially relevant stimuli during sleep in healthy children and children with attention-deficit/hyperactivity disorder and oppositional defiant disorder: What you can see in their eyes. Biological Psychology, 2017, 123, 196-204.	1.1	20
394	Withania somnifera as a potential anxiolytic and immunomodulatory agent in acute sleep deprived female Wistar rats. Molecular and Cellular Biochemistry, 2017, 427, 91-101.	1.4	35
395	Low frequency transcranial electrical stimulation does not entrain sleep rhythms measured by human intracranial recordings. Nature Communications, 2017, 8, 1199.	5.8	153
396	The persistence of memory: how the brain encodes time in memory. Current Opinion in Behavioral Sciences, 2017, 17, 178-185.	2.0	24
398	Cortical dendritic activity correlates with spindle-rich oscillations during sleep in rodents. Nature Communications, 2017, 8, 684.	5.8	101
399	Cortical Up states induce the selective weakening of subthreshold synaptic inputs. Nature Communications, 2017, 8, 665.	5.8	34
400	Bimodal coupling of ripples and slower oscillations during sleep in patients with focal epilepsy. Epilepsia, 2017, 58, 1972-1984.	2.6	46
401	Enhancing early consolidation of human episodic memory by theta EEG neurofeedback. Neurobiology of Learning and Memory, 2017, 145, 165-171.	1.0	20
402	Modulating influences of memory strength and sensitivity of the retrieval test on the detectability of the sleep consolidation effect. Neurobiology of Learning and Memory, 2017, 145, 181-189.	1.0	35
403	Quantifying Infra-slow Dynamics of Spectral Power and Heart Rate in Sleeping Mice. Journal of Visualized Experiments, 2017, , .	0.2	5
404	Sleep and memory. Current Opinion in Psychiatry, 2017, 30, 480-484.	3.1	8
405	Long-term memory deficits in temporal lobe epilepsy. Revue Neurologique, 2017, 173, 490-497.	0.6	62
406	Identifying sleep spindles with multichannel EEG and classification optimization. Computers in Biology and Medicine, 2017, 89, 441-453.	3.9	13

#	ARTICLE	IF	CITATIONS
407	Learning performance is linked to procedural memory consolidation across both sleep and wakefulness. <i>Scientific Reports</i> , 2017, 7, 10234.	1.6	9
408	The Benefit of Directed Forgetting Persists After a Daytime Nap: The Role of Spindles and Rapid Eye Movement Sleep in the Consolidation of Relevant Memories. <i>Sleep</i> , 2017, 40, .	0.6	13
409	Potential avenues for exercise to activate episodic memory-related pathways: a narrative review. <i>European Journal of Neuroscience</i> , 2017, 46, 2067-2077.	1.2	118
410	The Sleeping Infant Brain Anticipates Development. <i>Current Biology</i> , 2017, 27, 2374-2380.e3.	1.8	47
411	Do Older Adults Need Sleep? A Review of Neuroimaging, Sleep, and Aging Studies. <i>Current Sleep Medicine Reports</i> , 2017, 3, 204-214.	0.7	56
412	Perceptions of Brain Health and Cognition in Older African Americans and Caucasians With HIV: A Focus Group Study. <i>Journal of the Association of Nurses in AIDS Care</i> , 2017, 28, 862-876.	0.4	13
413	Frequent sleep-related bitemporal focal seizures in transient epileptic amnesia syndrome: Evidence from ictal video-EEG. <i>Epilepsia Open</i> , 2017, 2, 255-259.	1.3	11
414	Nocturnal, diurnal and bimodal patterns of locomotion, sibling interactions and sleep in nestling Barn Owls. <i>Journal of Ornithology</i> , 2017, 158, 1001-1012.	0.5	4
415	Blindfolding during wakefulness causes decrease in sleep slow wave activity. <i>Physiological Reports</i> , 2017, 5, e13239.	0.7	11
416	Cued Memory Reactivation During SWS Abolishes the Beneficial Effect of Sleep on Abstraction. <i>Sleep</i> , 2017, 40, .	0.6	11
417	Cholinergic modulation of the hippocampal region and memory function. <i>Journal of Neurochemistry</i> , 2017, 142, 111-121.	2.1	273
418	Formation and suppression of acoustic memories during human sleep. <i>Nature Communications</i> , 2017, 8, 179.	5.8	69
419	Enhancing Memory Consolidation through Slow Oscillation and Spindle Synchronization. <i>Journal of Neuroscience</i> , 2017, 37, 11517-11519.	1.7	4
420	Sleep in Humans Stabilizes Pattern Separation Performance. <i>Journal of Neuroscience</i> , 2017, 37, 12238-12246.	1.7	37
421	Lateralised sleep spindles relate to false memory generation. <i>Neuropsychologia</i> , 2017, 107, 60-67.	0.7	14
422	In human non-REM sleep, more slow-wave activity leads to less blood flow in the prefrontal cortex. <i>Scientific Reports</i> , 2017, 7, 14993.	1.6	20
423	Sleep Benefits Memory for Semantic Category Structure While Preserving Exemplar-Specific Information. <i>Scientific Reports</i> , 2017, 7, 14869.	1.6	60
424	Pilot Study of Propofol-induced Slow Waves as a Pharmacologic Test for Brain Dysfunction after Brain Injury. <i>Anesthesiology</i> , 2017, 126, 94-103.	1.3	12

#	ARTICLE	IF	CITATIONS
425	Vocabulary learning benefits from REM after slow-wave sleep. <i>Neurobiology of Learning and Memory</i> , 2017, 144, 102-113.	1.0	30
426	Thalamic Spindles Promote Memory Formation during Sleep through Triple Phase-Locking of Cortical, Thalamic, and Hippocampal Rhythms. <i>Neuron</i> , 2017, 95, 424-435.e6.	3.8	410
427	Mechanisms of Memory Retrieval in Slow-Wave Sleep. <i>Sleep</i> , 2017, 40, .	0.6	18
428	Good night, sleep tight: The effects of sleep deprivation on spatial associative learning in zebrafish. <i>Pharmacology Biochemistry and Behavior</i> , 2017, 159, 36-47.	1.3	18
429	Neuronal Oscillations Indicate Sleep-dependent Changes in the Cortical Memory Trace. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 698-707.	1.1	8
430	Don't sleep on it: Less sleep reduces risk for depressive symptoms in cognitively vulnerable undergraduates.. <i>Journal of Personality and Social Psychology</i> , 2017, 113, 925-938.	2.6	8
431	Memory consolidation in sleep disorders. <i>Sleep Medicine Reviews</i> , 2017, 35, 101-112.	3.8	67
432	Sleep spindles: a physiological marker of age-related changes in gray matter in brain regions supporting motor skill memory consolidation. <i>Neurobiology of Aging</i> , 2017, 49, 154-164.	1.5	88
433	The role of gist and verbatim memory in complex decision making: Explaining the unconscious-thought effect.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2017, 43, 694-705.	0.7	12
434	Children's initial sleep-associated changes in motor skill are unrelated to long-term skill levels. <i>Developmental Science</i> , 2017, 20, e12463.	1.3	12
435	Sleep duration predicts behavioral and neural differences in adult speech sound learning. <i>Neuroscience Letters</i> , 2017, 636, 77-82.	1.0	30
436	Unraveling the Neurobiology of Sleep and Sleep Disorders Using <i>Drosophila</i> . <i>Current Topics in Developmental Biology</i> , 2017, 121, 253-285.	1.0	16
437	Eye-tracking the time-course of novel word learning and lexical competition in adults and children. <i>Brain and Language</i> , 2017, 167, 13-27.	0.8	27
438	Ontogeny of Sleep and Its Functions in Infancy, Childhood, and Adolescence. , 2017, , 3-29.		8
439	Signs of enhanced sleep and sleep-associated memory processing following the anti-inflammatory antibiotic minocycline in men. <i>Journal of Psychopharmacology</i> , 2017, 31, 204-210.	2.0	9
440	The impact of sleep on true and false memory across long delays. <i>Neurobiology of Learning and Memory</i> , 2017, 137, 123-133.	1.0	31
441	Tactile stimulation during sleep alters slow oscillation and spindle densities but not motor skill. <i>Physiology and Behavior</i> , 2017, 169, 59-68.	1.0	27
442	Memory consolidation effects on memory stabilization and item integration in older adults. <i>Psychonomic Bulletin and Review</i> , 2017, 24, 1032-1039.	1.4	5

#	ARTICLE	IF	CITATIONS
443	Sleep Spindles and Intellectual Ability: Epiphenomenon or Directly Related?. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 167-182.	1.1	41
444	Sleep deprivation effects on object discrimination task in zebrafish (<i>Danio rerio</i>). <i>Animal Cognition</i> , 2017, 20, 159-169.	0.9	50
445	Sleep-dependent memory consolidation is related to perceived value of learned material. <i>Journal of Sleep Research</i> , 2017, 26, 302-308.	1.7	13
446	Replay of large-scale spatio-temporal patterns from waking during subsequent NREM sleep in human cortex. <i>Scientific Reports</i> , 2017, 7, 17380.	1.6	43
447	Enhanced Memory Consolidation Via Automatic Sound Stimulation During Non-REM Sleep. <i>Sleep</i> , 2017, 40, .	0.6	115
448	The Endocannabinoid System Modulating Levels of Consciousness, Emotions and Likely Dream Contents. <i>CNS and Neurological Disorders - Drug Targets</i> , 2017, 16, 370-379.	0.8	20
450	Sleep and cognitive development. , 0, , 358-363.		0
451	Memory Processing in Relation to Sleep. , 2017, , 229-238.e6.		8
452	Consolidation of Prospective Memory: Effects of Sleep on Completed and Reinstated Intentions. <i>Frontiers in Psychology</i> , 2016, 7, 2025.	1.1	20
453	Opposite Impact of REM Sleep on Neurobehavioral Functioning in Children with Common Psychiatric Disorders Compared to Typically Developing Children. <i>Frontiers in Psychology</i> , 2017, 7, 2059.	1.1	24
454	Sleep-Dependent Consolidation of Rewarded Behavior Is Diminished in Children with Attention Deficit Hyperactivity Disorder and a Comorbid Disorder of Social Behavior. <i>Frontiers in Psychology</i> , 2017, 8, 167.	1.1	15
455	A Nap But Not Rest or Activity Consolidates Language Learning. <i>Frontiers in Psychology</i> , 2017, 8, 665.	1.1	8
456	Effects of Sleep on Word Pair Memory in Children – Separating Item and Source Memory Aspects. <i>Frontiers in Psychology</i> , 2017, 8, 1533.	1.1	10
457	Make Gestures to Learn: Reproducing Gestures Improves the Learning of Anatomical Knowledge More than Just Seeing Gestures. <i>Frontiers in Psychology</i> , 2017, 8, 1689.	1.1	18
458	Chasing the Rainbow: The Non-conscious Nature of Being. <i>Frontiers in Psychology</i> , 2017, 8, 1924.	1.1	51
459	The Role of Slow Wave Sleep in Memory Pathophysiology: Focus on Post-traumatic Stress Disorder and Eye Movement Desensitization and Reprocessing. <i>Frontiers in Psychology</i> , 2017, 8, 2050.	1.1	13
460	Editorial: Fragmentation in Sleep and Mind: Linking Dissociative Symptoms, Sleep, and Memory. <i>Frontiers in Psychology</i> , 2017, 8, 2248.	1.1	1
461	Procedural Memory Consolidation in Attention-Deficit/Hyperactivity Disorder Is Promoted by Scheduling of Practice to Evening Hours. <i>Frontiers in Psychiatry</i> , 2017, 8, 140.	1.3	11

#	ARTICLE	IF	CITATIONS
462	Infant sleep and its relation with cognition and growth: a narrative review. <i>Nature and Science of Sleep</i> , 2017, Volume 9, 135-149.	1.4	93
464	Commentary: Knowledge Acquisition during Exam Preparation Improves Memory and Modulates Memory Formation. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 10, 245.	1.0	0
465	Sleep Enhances Recognition Memory for Conspecifics as Bound into Spatial Context. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 28.	1.0	6
466	Post-Learning Sleep Transiently Boosts Context Specific Operant Extinction Memory. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 74.	1.0	3
467	Plasticity during Sleep Is Linked to Specific Regulation of Cortical Circuit Activity. <i>Frontiers in Neural Circuits</i> , 2017, 11, 65.	1.4	57
468	Trial-by-Trial Modulation of Associative Memory Formation by Reward Prediction Error and Reward Anticipation as Revealed by a Biologically Plausible Computational Model. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 56.	1.0	8
469	Acoustic Enhancement of Sleep Slow Oscillations and Concomitant Memory Improvement in Older Adults. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 109.	1.0	183
470	Individual Differences in Frequency and Topography of Slow and Fast Sleep Spindles. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 433.	1.0	174
471	Homeostatic Changes in GABA and Glutamate Receptors on Excitatory Cortical Neurons during Sleep Deprivation and Recovery. <i>Frontiers in Systems Neuroscience</i> , 2017, 11, 17.	1.2	28
472	Distinct retrosplenial cortex cell populations and their spike dynamics during ketamine-induced unconscious state. <i>PLoS ONE</i> , 2017, 12, e0187198.	1.1	5
473	The Cognitive Psychology of Sleep and Memory. , 2017, , 571-596.		2
474	Noradrenergic System and Memory. , 2017, , 183-200.		2
475	Cognitive Strategies of Navigation: Evaluating the Role of Sleep. <i>Sleep and Vigilance</i> , 2017, 1, 71-78.	0.4	0
476	Normal Aging. , 2017, , 25-38.e8.		7
477	1120 EFFECTS OF POST-EXPOSURE NAPS ON CHANGE IN AUTONOMIC AROUSAL TO A SOCIAL CHALLENGE ACROSS EXPOSURE THERAPY FOR SOCIAL ANXIETY. <i>Sleep</i> , 2017, 40, A417-A418.	0.6	0
478	Sleep, Synaptic Plasticity, and Memory. , 2017, , 539-562.		0
479	The Role of Sleep in Memory Consolidation: Active or Permissive?. , 2017, , 529-555.		0
480	Molecular Correlates of Sleep and Wake: From Flies to Mammals†. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
481	System identification for sleep-mediated, stimulation-enhanced memory consolidation. , 2017, , .		0
482	The Nucleus Reunions Controls Long-Range Hippocampoâ€“Prefrontal Gamma Synchronization during Slow Oscillations. <i>Journal of Neuroscience</i> , 2018, 38, 3026-3038.	1.7	48
483	Changes in Brain-Derived Neurotrophic Factor Expression Influence Sleepâ€“Wake Activity and Homeostatic Regulation of Rapid Eye Movement Sleep. <i>Sleep</i> , 2018, 41, .	0.6	20
484	Autooiesis and reconstruction in episodic memory: Is remembering systematically misleading?. <i>Behavioral and Brain Sciences</i> , 2018, 41, e22.	0.4	0
485	Social, motor, and cognitive development through the lens of sleep network dynamics in infants and toddlers between 12 and 30 months of age. <i>Sleep</i> , 2018, 41, .	0.6	30
486	Memory Consolidation Is Linked to Spindle-Mediated Information Processing during Sleep. <i>Current Biology</i> , 2018, 28, 948-954.e4.	1.8	213
487	The clock gene period differentially regulates sleep and memory in <i>Drosophila</i> . <i>Neurobiology of Learning and Memory</i> , 2018, 153, 2-12.	1.0	9
488	The sociocultural functions of episodic memory. <i>Behavioral and Brain Sciences</i> , 2018, 41, e14.	0.4	1
489	Epistemic authority, episodic memory, and the sense of self. <i>Behavioral and Brain Sciences</i> , 2018, 41, e24.	0.4	0
490	Confabulation and epistemic authority. <i>Behavioral and Brain Sciences</i> , 2018, 41, e29.	0.4	2
491	Efficacy of slow oscillatoryâ€“transcranial direct current stimulation on <sc>EEG</sc> and memory â€“ contribution of an interâ€“individual factor. <i>European Journal of Neuroscience</i> , 2018, 47, 812-823.	1.2	30
492	Encoding third-person epistemic states contributes to episodic reconstruction of memories. <i>Behavioral and Brain Sciences</i> , 2018, 41, e18.	0.4	1
493	Carving event and episodic memory at their joints. <i>Behavioral and Brain Sciences</i> , 2018, 41, e19.	0.4	2
494	Using episodic memory to gauge implicit and/or indeterminate social commitments. <i>Behavioral and Brain Sciences</i> , 2018, 41, e21.	0.4	2
495	Consolidating skill learning through sleep. <i>Current Opinion in Behavioral Sciences</i> , 2018, 20, 174-182.	2.0	7
496	Sleep: Eye-Opener Highlights Sleepâ€™s Organization. <i>Current Biology</i> , 2018, 28, R217-R220.	1.8	1
497	Identification of memory reactivation during sleep by EEG classification. <i>NeuroImage</i> , 2018, 176, 203-214.	2.1	50
498	Sleep stage dynamics in neocortex and hippocampus. <i>Sleep</i> , 2018, 41, .	0.6	34

#	ARTICLE	IF	CITATIONS
500	Optogenetic Dissection of Sleep-Wake States In Vitro and In Vivo. Handbook of Experimental Pharmacology, 2018, 253, 125-151.	0.9	2
501	Sleep deprivation impairs cognitive performance in zebrafish: A matter of fact?. Behavioural Processes, 2018, 157, 656-663.	0.5	24
502	A role for enhanced functions of sleep in psychedelic therapy?. Adaptive Behavior, 2018, 26, 129-135.	1.1	7
503	Slow-Wave Activity Enhancement to Improve Cognition. Trends in Neurosciences, 2018, 41, 470-482.	4.2	92
504	Pharmacologically induced amnesia for learned fear is time and sleep-dependent. Nature Communications, 2018, 9, 1316.	5.8	37
505	Heterogeneous Origins of Human Sleep Spindles in Different Cortical Layers. Journal of Neuroscience, 2018, 38, 3013-3025.	1.7	40
506	More to episodic memory than epistemic assertion: The role of social bonds and interpersonal connection. Behavioral and Brain Sciences, 2018, 41, e17.	0.4	2
507	Sleep patterns open the window into disorders of consciousness. Clinical Neurophysiology, 2018, 129, 668-669.	0.7	14
508	Slow-wave sleep: From the cell to the clinic. Sleep Medicine Reviews, 2018, 41, 113-132.	3.8	139
509	The Effect of a Slowly Rocking Bed on Sleep. Scientific Reports, 2018, 8, 2156.	1.6	35
510	Septal cholinergic neurons gate hippocampal output to entorhinal cortex via oriens lacunosum moleculare interneurons. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1886-E1895.	3.3	55
511	Remembered events are unexpected. Behavioral and Brain Sciences, 2018, 41, e9.	0.4	3
512	NREM sleep EEG activity and procedural memory: A comparison between young neurotypical and autistic adults without sleep complaints. Autism Research, 2018, 11, 613-623.	2.1	12
513	Doing without metarepresentation: Scenario construction explains the epistemic generativity and privileged status of episodic memory. Behavioral and Brain Sciences, 2018, 41, e34.	0.4	2
514	Morgan's canon is not evidence. Behavioral and Brain Sciences, 2018, 41, e31.	0.4	0
515	Does sleep facilitate the consolidation of allocentric or egocentric representations of implicitly learned visual-motor sequence learning?. Learning and Memory, 2018, 25, 67-77.	0.5	11
516	Accelerated long-term forgetting in presymptomatic autosomal dominant Alzheimer's disease: a cross-sectional study. Lancet Neurology, The, 2018, 17, 123-132.	4.9	84
517	“Truth be told” – Semantic memory as the scaffold for veridical communication. Behavioral and Brain Sciences, 2018, 41, e15.	0.4	3

#	ARTICLE	IF	CITATIONS
518	Basic Neuroscience Illuminates Causal Relationship Between Sleep and Memory: Translating to Schizophrenia. Schizophrenia Bulletin, 2018, 44, 7-14.	2.3	38
519	An adaptive function of mental time travel: Motivating farsighted decisions. Behavioral and Brain Sciences, 2018, 41, e3.	0.4	9
520	Episodic memory solves both social and nonsocial problems, and evolved to fulfill many different functions. Behavioral and Brain Sciences, 2018, 41, e20.	0.4	3
521	Constructive episodic simulation, flexible recombination, and memory errors. Behavioral and Brain Sciences, 2018, 41, e32.	0.4	5
522	What is it to remember?. Behavioral and Brain Sciences, 2018, 41, e35.	0.4	6
523	Retrieval is central to the distinctive function of episodic memory. Behavioral and Brain Sciences, 2018, 41, e2.	0.4	5
524	Sleep to be social: The critical role of sleep and memory for social interaction. Behavioral and Brain Sciences, 2018, 41, e10.	0.4	2
525	Beyond communication: Episodic memory is key to the self in time. Behavioral and Brain Sciences, 2018, 41, e33.	0.4	1
526	Autoothesis and dissociative identity disorder. Behavioral and Brain Sciences, 2018, 41, e23.	0.4	6
527	What psychology and cognitive neuroscience know about the communicative function of memory. Behavioral and Brain Sciences, 2018, 41, e30.	0.4	0
528	Episodic memory isn't essentially autooetic. Behavioral and Brain Sciences, 2018, 41, e6.	0.4	1
529	The dynamics of episodic memory functions. Behavioral and Brain Sciences, 2018, 41, e4.	0.4	5
530	Episodic memory must be grounded in reality in order to be useful in communication. Behavioral and Brain Sciences, 2018, 41, e5.	0.4	0
531	Episodic memory is as much about communicating as it is about relating to others. Behavioral and Brain Sciences, 2018, 41, e7.	0.4	1
532	The communicative function of destination memory. Behavioral and Brain Sciences, 2018, 41, e12.	0.4	9
533	Episodic memory and consciousness in antisocial personality disorder and conduct disorder. Behavioral and Brain Sciences, 2018, 41, e13.	0.4	0
534	Episodic memory and the witness trump card. Behavioral and Brain Sciences, 2018, 41, e16.	0.4	4
535	False memories, nonbelieved memories, and the unresolved primacy of communication. Behavioral and Brain Sciences, 2018, 41, e25.	0.4	1

#	ARTICLE	IF	CITATIONS
536	Developmental roots of episodic memory. Behavioral and Brain Sciences, 2018, 41, e26.	0.4	0
537	Novel concepts in sleep regulation. Acta Physiologica, 2018, 222, e13017.	1.8	13
538	Transient synchronization of hippocampo-striato-thalamo-cortical networks during sleep spindle oscillations induces motor memory consolidation. NeuroImage, 2018, 169, 419-430.	2.1	82
539	Effects of a program of cognitive-behavioural group therapy, vestibular rehabilitation, and psychoeducational explanations on patients with dizziness and no quantified balance deficit, compared to patients with dizziness and a quantified balance deficit. Journal of Psychosomatic Research, 2018, 105, 21-30.	1.2	19
540	Odor cueing during slow-wave sleep benefits memory independently of low cholinergic tone. Psychopharmacology, 2018, 235, 291-299.	1.5	29
541	A single channel sleep-spindle detector based on multivariate classification of EEG epochs: MUSSDET. Journal of Neuroscience Methods, 2018, 297, 31-43.	1.3	16
542	Phase-Amplitude Coupling: A General Mechanism for Memory Processing and Synaptic Plasticity?. Neuron, 2018, 97, 10-13.	3.8	76
543	Neurochemical changes in basal ganglia affect time perception in parkinsonians. Journal of Biomedical Science, 2018, 25, 26.	2.6	7
544	Integrating Sleep and Alzheimer's Disease Pathophysiology: Hints for Sleep Disorders Management. Journal of Alzheimer's Disease, 2018, 63, 871-886.	1.2	20
545	Spared and impaired sleep-dependent memory consolidation in schizophrenia. Schizophrenia Research, 2018, 199, 83-89.	1.1	24
546	Recurrence of task-related electroencephalographic activity during post-training quiet rest and sleep. Scientific Reports, 2018, 8, 5398.	1.6	27
547	Enhanced action control as a prior function of episodic memory. Behavioral and Brain Sciences, 2018, 41, e27.	0.4	0
548	Why episodic memory may not be for communication. Behavioral and Brain Sciences, 2018, 41, e8.	0.4	1
549	Misconceptions about adaptive function. Behavioral and Brain Sciences, 2018, 41, e28.	0.4	0
550	Emotional memories and how your life may depend upon them. Behavioral and Brain Sciences, 2018, 41, e11.	0.4	3
551	Sleep, Anesthesia, and Plasticity. Neuron, 2018, 97, 1200-1202.	3.8	12
552	A more generalized fear response after a daytime nap. Neurobiology of Learning and Memory, 2018, 151, 18-27.	1.0	17
553	New waves: Rhythmic electrical field stimulation systematically alters spontaneous slow dynamics across mouse neocortex. NeuroImage, 2018, 174, 328-339.	2.1	31

#	ARTICLE	IF	CITATIONS
554	To gain or not to gain – The complex role of sleep for memory. <i>Cortex</i> , 2018, 101, 282-287.	1.1	15
555	Implications of the declarative/procedural model for improving second language learning: The role of memory enhancement techniques. <i>Second Language Research</i> , 2018, 34, 39-65.	1.2	75
556	No effect of targeted memory reactivation during slow-wave sleep on emotional recognition memory. <i>Journal of Sleep Research</i> , 2018, 27, 129-137.	1.7	29
557	The Association of Perceived Memory Loss with Osteoarthritis and Related Joint Pain in a Large Appalachian Population. <i>Pain Medicine</i> , 2018, 19, 1340-1356.	0.9	34
558	More Effective Consolidation of Episodic Long-Term Memory in Children Than Adults Unrelated to Sleep. <i>Child Development</i> , 2018, 89, 1720-1734.	1.7	17
559	Reactivation of interference during sleep does not impair ongoing memory consolidation. <i>Memory</i> , 2018, 26, 377-384.	0.9	16
560	Memory in 3-month-old infants benefits from a short nap. <i>Developmental Science</i> , 2018, 21, e12587.	1.3	23
561	Memory encoding is impaired after multiple nights of partial sleep restriction. <i>Journal of Sleep Research</i> , 2018, 27, 138-145.	1.7	58
562	Consolidating new words from repetitive versus multiple stories: Prior knowledge matters. <i>Journal of Experimental Child Psychology</i> , 2018, 166, 465-484.	0.7	11
563	Sleep on your memory traces: How sleep effects can be explained by ActIn, a functional memory model. <i>Sleep Medicine Reviews</i> , 2018, 39, 155-163.	3.8	2
564	Semantic and phonological schema influence spoken word learning and overnight consolidation. <i>Quarterly Journal of Experimental Psychology</i> , 2018, 71, 1469-1481.	0.6	33
565	Sleep augments training-induced improvement in working memory in children and adults. <i>Neurobiology of Learning and Memory</i> , 2018, 147, 46-53.	1.0	25
566	Consolidation of vocabulary is associated with sleep in typically developing children, but not in children with dyslexia. <i>Developmental Science</i> , 2018, 21, e12639.	1.3	31
567	Old Brains Come Uncoupled in Sleep: Slow Wave-Spindle Synchrony, Brain Atrophy, and Forgetting. <i>Neuron</i> , 2018, 97, 221-230.e4.	3.8	343
568	Current issues related to motor sequence learning in humans. <i>Current Opinion in Behavioral Sciences</i> , 2018, 20, 89-97.	2.0	96
569	High-density EEG characterization of brain responses to auditory rhythmic stimuli during wakefulness and NREM sleep. <i>NeuroImage</i> , 2018, 169, 57-68.	2.1	44
570	Brain regions and epileptogenicity influence epileptic interictal spike production and propagation during NREM sleep in comparison with wakefulness. <i>Epilepsia</i> , 2018, 59, 235-243.	2.6	48
571	Sleep spindle and psychopathology characteristics of frequent nightmare recallers. <i>Sleep Medicine</i> , 2018, 50, 113-131.	0.8	18

#	ARTICLE	IF	CITATIONS
572	A role for consolidation in cross-modal category learning. <i>Neuropsychologia</i> , 2018, 108, 50-60.	0.7	8
573	Mutual influence of sleep and circadian clocks on physiology and cognition. <i>Free Radical Biology and Medicine</i> , 2018, 119, 8-16.	1.3	24
574	Human Memory and the Limits of Technology in Education. <i>Educational Theory</i> , 2018, 68, 643-655.	0.2	2
575	The Function(s) of Sleep. <i>Handbook of Experimental Pharmacology</i> , 2018, 253, 3-34.	0.9	52
576	Causal role of rapid-eye-movement sleep on successful memory consolidation of fear extinction. <i>Journal of Thoracic Disease</i> , 2018, 10, 1214-1216.	0.6	3
577	Benefits of Thalassotherapy with Sleep Management on Mood States and Well-being, and Cognitive and Physical Capacities in Healthy Workers. , 2018, 07, .		2
578	Training on an Appetitive (Delay)-Conditioning Task Enhances Oscillatory Waves During Sleep in the Cortical and Amygdalar Network. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 260.	1.0	14
579	Learning with Wearable Devices reveals Learners' Best Time to Learn. , 2018, , .		7
580	Neuromodulation and a Reconceptualization of Autism Spectrum Disorders: Using the Locus Coeruleus Functioning as an Exemplar. <i>Frontiers in Neurology</i> , 2018, 9, 1120.	1.1	26
581	A Critical Time-Window for the Selective Induction of Hippocampal Memory Consolidation by a Brief Episode of Slow-Wave Sleep. <i>Neuroscience Bulletin</i> , 2018, 34, 1091-1099.	1.5	16
582	Increased phantom recollection after sleep. <i>Consciousness and Cognition</i> , 2018, 66, 101-114.	0.8	2
583	Functional Interactions Between Sleep and Circadian Rhythms in Learning and Learning Disabilities. <i>Handbook of Experimental Pharmacology</i> , 2018, 253, 425-440.	0.9	2
584	Chronic Consumption of Fructose Induces Behavioral Alterations by Increasing Orexin and Dopamine Levels in the Rat Brain. <i>Nutrients</i> , 2018, 10, 1722.	1.7	11
585	Napping and toddlers's memory for fast-mapped words. <i>First Language</i> , 2018, 38, 582-595.	0.5	10
586	The hippocampus is crucial for forming non-hippocampal long-term memory during sleep. <i>Nature</i> , 2018, 564, 109-113.	13.7	136
587	Acute Sleep Restriction Has Differential Effects on Components of Attention. <i>Frontiers in Psychiatry</i> , 2018, 9, 499.	1.3	19
588	Dose-Dependent Effects of Closed-Loop tACS Delivered During Slow-Wave Oscillations on Memory Consolidation. <i>Frontiers in Neuroscience</i> , 2018, 12, 867.	1.4	35
589	Intracortical Causal Information Flow of Oscillatory Activity (Effective Connectivity) at the Sleep Onset Transition. <i>Frontiers in Neuroscience</i> , 2018, 12, 912.	1.4	7

#	ARTICLE	IF	CITATIONS
590	Sleep selectively stabilizes contextual aspects of negative memories. <i>Scientific Reports</i> , 2018, 8, 17861.	1.6	13
591	Sleepmore in Seattle: Later school start times are associated with more sleep and better performance in high school students. <i>Science Advances</i> , 2018, 4, eaau6200.	4.7	114
592	Can Daytime Napping Assist the Process of Skills Acquisition After Stroke?. <i>Frontiers in Neurology</i> , 2018, 9, 1002.	1.1	10
593	Theta Phase-Coordinated Memory Reactivation Reoccurs in a Slow-Oscillatory Rhythm during NREM Sleep. <i>Cell Reports</i> , 2018, 25, 296-301.	2.9	83
594	Near-total absence of REM sleep co-occurring with normal cognition: an update of the 1984 paper. <i>Sleep Medicine</i> , 2018, 52, 134-137.	0.8	9
595	Electrophysiological mechanisms of human memory consolidation. <i>Nature Communications</i> , 2018, 9, 4103.	5.8	103
596	Post-learning paradoxical sleep deprivation impairs reorganization of limbic and cortical networks associated with consolidation of remote contextual fear memory in mice. <i>Sleep</i> , 2018, 41, .	0.6	12
597	Effects of post-exposure naps on exposure therapy for social anxiety. <i>Psychiatry Research</i> , 2018, 270, 523-530.	1.7	27
598	Advances in the Mathematical Sciences. <i>Association for Women in Mathematics Series</i> , 2018, , .	0.1	1
599	Making Memories: Why Time Matters. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 400.	1.0	7
600	Variable training but not sleep improves consolidation of motor adaptation. <i>Scientific Reports</i> , 2018, 8, 15977.	1.6	21
601	Individual Differences in Slow-Wave-Sleep Predict Acquisition of Full Cognitive Maps. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 404.	1.0	11
602	The impact of frequent napping and nap practice on sleep-dependent memory in humans. <i>Scientific Reports</i> , 2018, 8, 15053.	1.6	31
604	Closed-loop system to enhance slow-wave activity. <i>Journal of Neural Engineering</i> , 2018, 15, 066018.	1.8	56
605	Role of normal sleep and sleep apnea in human memory processing. <i>Nature and Science of Sleep</i> , 2018, Volume 10, 255-269.	1.4	30
606	Impact of breast cancer on prospective memory functioning assessed by virtual reality and influence of sleep quality and hormonal therapy: PROSOM-K study. <i>BMC Cancer</i> , 2018, 18, 866.	1.1	6
607	Adult Gross Motor Learning and Sleep: Is There a Mutual Benefit?. <i>Neural Plasticity</i> , 2018, 2018, 1-12.	1.0	14
608	Insomnia in Adolescence. <i>Medical Sciences (Basel, Switzerland)</i> , 2018, 6, 72.	1.3	30

#	ARTICLE	IF	CITATIONS
609	Cortical circuit activity underlying sleep slow oscillations and spindles. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E9220-E9229.	3.3	196
610	No effect of vocabulary reactivation in older adults. Neuropsychologia, 2018, 119, 253-261.	0.7	17
611	The effect of cathodal transcranial direct current stimulation during rapid eye-movement sleep on neutral and emotional memory. Royal Society Open Science, 2018, 5, 172353.	1.1	8
612	The balance of sleep: Role of the vestibular sensory system. Sleep Medicine Reviews, 2018, 42, 220-228.	3.8	53
613	Sleep Strengthens Predictive Sequence Coding. Journal of Neuroscience, 2018, 38, 8989-9000.	1.7	18
614	Lateralized rhythmic acoustic stimulation during daytime NREM sleep enhances slow waves. Sleep, 2018, 41, .	0.6	28
615	Large-scale structure and individual fingerprints of locally coupled sleep oscillations. Sleep, 2018, 41, .	0.6	43
616	REM deprivation but not sleep fragmentation produces a sex-specific impairment in extinction. Physiology and Behavior, 2018, 196, 84-94.	1.0	12
617	Shaping memory consolidation via targeted memory reactivation during sleep. Annals of the New York Academy of Sciences, 2018, 1426, 52-71.	1.8	40
618	How Memory Replay in Sleep Boosts Creative Problem-Solving. Trends in Cognitive Sciences, 2018, 22, 491-503.	4.0	109
619	Complexities of human memory: relevance to anaesthetic practice. British Journal of Anaesthesia, 2018, 121, 210-218.	1.5	5
620	Optical probing of orexin/hypocretin receptor antagonists. Sleep, 2018, 41, .	0.6	29
621	Wakefulness rather than sleep benefits extinction of an inhibitory operant conditioning memory in Aplysia. Neurobiology of Learning and Memory, 2018, 155, 306-312.	1.0	2
622	The role of sleep in emotional memory processing in middle age. Neurobiology of Learning and Memory, 2018, 155, 208-215.	1.0	20
623	Does Sleep Help Prevent Forgetting Rewarded Memory Representations in Children and Adults?. Frontiers in Psychology, 2018, 9, 924.	1.1	11
624	Commentary: Effects of Sleep on Word Pair Memory in Childrenâ€“Separating Item and Source Memory Aspects. Frontiers in Psychology, 2018, 9, 1022.	1.1	0
625	Closed-Loop Slow-Wave tACS Improves Sleep-Dependent Long-Term Memory Generalization by Modulating Endogenous Oscillations. Journal of Neuroscience, 2018, 38, 7314-7326.	1.7	109
626	Memory corticalization triggered by REM sleep: mechanisms of cellular and systems consolidation. Cellular and Molecular Life Sciences, 2018, 75, 3715-3740.	2.4	18

#	ARTICLE	IF	CITATIONS
627	Overnight memory consolidation facilitates rather than interferes with new learning of similar materials—a study probing NMDA receptors. <i>Neuropsychopharmacology</i> , 2018, 43, 2292-2298.	2.8	7
628	A Systematic Review and Meta-Analysis of the Relationship Between Brain Data and the Outcome in Disorders of Consciousness. <i>Frontiers in Neurology</i> , 2018, 9, 315.	1.1	38
629	Sleep-Dependent Memory Consolidation and Incremental Sentence Comprehension: Computational Dependencies during Language Learning as Revealed by Neuronal Oscillations. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 18.	1.0	22
630	Closed-Loop Targeted Memory Reactivation during Sleep Improves Spatial Navigation. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 28.	1.0	42
631	Sleep Does Not Promote Solving Classical Insight Problems and Magic Tricks. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 72.	1.0	38
632	Sleep and nesting behavior in primates: A review. <i>American Journal of Physical Anthropology</i> , 2018, 166, 499-509.	2.1	45
633	Nocturnal activity in wild chimpanzees (<i>Pan troglodytes</i>): Evidence for flexible sleeping patterns and insights into human evolution. <i>American Journal of Physical Anthropology</i> , 2018, 166, 510-529.	2.1	27
634	Differential roles of sleep spindles and sleep slow oscillations in memory consolidation. <i>PLoS Computational Biology</i> , 2018, 14, e1006322.	1.5	56
635	Heritability of Sleep EEG Topography in Adolescence: Results from a Longitudinal Twin Study. <i>Scientific Reports</i> , 2018, 8, 7334.	1.6	25
636	Differences in pre-sleep activity and sleep location are associated with variability in daytime/nighttime sleep electrophysiology in the domestic dog. <i>Scientific Reports</i> , 2018, 8, 7109.	1.6	31
637	The Color of Noise and Weak Stationarity at the NREM to REM Sleep Transition in Mild Cognitive Impaired Subjects. <i>Frontiers in Psychology</i> , 2018, 9, 1205.	1.1	2
638	The Role of Sleep in Learning Placebo Effects. <i>International Review of Neurobiology</i> , 2018, 139, 321-355.	0.9	6
639	Functional determinants of enhanced and depressed interareal information flow in nonrapid eye movement sleep between neuronal ensembles in rat cortex and hippocampus. <i>Sleep</i> , 2018, 41, .	0.6	14
640	Absent sleep EEG spindle activity in GluA1 (<i>Gria1</i>) knockout mice: relevance to neuropsychiatric disorders. <i>Translational Psychiatry</i> , 2018, 8, 154.	2.4	29
641	Sleep-dependent reconsolidation after memory destabilization in starlings. <i>Nature Communications</i> , 2018, 9, 3093.	5.8	14
642	A Novel Approach to Dream Content Analysis Reveals Links Between Learning-Related Dream Incorporation and Cognitive Abilities. <i>Frontiers in Psychology</i> , 2018, 9, 1398.	1.1	21
643	Curiosity-driven memory enhancement persists over time but does not benefit from post-learning sleep. <i>Cognitive Neuroscience</i> , 2018, 9, 100-115.	0.6	29
644	Mechanisms underlying the association between insomnia, anxiety, and depression in adolescence: Implications for behavioral sleep interventions. <i>Clinical Psychology Review</i> , 2018, 63, 25-40.	6.0	227

#	ARTICLE	IF	CITATIONS
645	Delayed fear extinction in individuals with insomnia disorder. <i>Sleep</i> , 2018, 41, .	0.6	29
646	The role of omega-3 on modulation of cognitive deficiency induced by REM sleep deprivation in rats. <i>Behavioural Brain Research</i> , 2018, 351, 152-160.	1.2	20
647	Differential development of retroactive and proactive interference during post-learning wakefulness. <i>Learning and Memory</i> , 2018, 25, 325-329.	0.5	4
648	Effects of early morning nap sleep on associative memory for neutral and emotional stimuli. <i>Brain Research</i> , 2018, 1698, 29-42.	1.1	26
649	Sleep-dependent consolidation patterns reveal insights into episodic memory structure. <i>Neurobiology of Learning and Memory</i> , 2019, 160, 67-72.	1.0	6
650	Adolescents'™ sleep/wake patterns and school schedules: towards flexibility. <i>Biological Rhythm Research</i> , 2019, 50, 78-84.	0.4	6
651	Fine-scale mapping of cortical laminar activity during sleep slow oscillations using high-density linear silicon probes. <i>Journal of Neuroscience Methods</i> , 2019, 316, 58-70.	1.3	25
652	Circuit mechanisms and computational models of REM sleep. <i>Neuroscience Research</i> , 2019, 140, 77-92.	1.0	28
653	Intensifying sleep slow oscillations does not improve metabolic control in healthy men. <i>Psychoneuroendocrinology</i> , 2019, 99, 1-7.	1.3	10
654	The effect of dream report collection and dream incorporation on memory consolidation during sleep. <i>Journal of Sleep Research</i> , 2019, 28, e12754.	1.7	21
655	Infant wake after sleep onset serves as a marker for different trajectories in cognitive development. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2019, 60, 189-198.	3.1	18
656	Bidirectional prefrontal-hippocampal dynamics organize information transfer during sleep in humans. <i>Nature Communications</i> , 2019, 10, 3572.	5.8	149
657	Nurturing Nature: How Brain Development Is Inherently Social and Emotional, and What This Means for Education. <i>Educational Psychologist</i> , 2019, 54, 185-204.	4.7	92
658	Sleep to make more of your memories: Decoding hidden rules from encoded information. <i>Sleep Medicine Reviews</i> , 2019, 47, 122-124.	3.8	2
659	A Mechanism for Synaptic Copy Between Neural Circuits. <i>Neural Computation</i> , 2019, 31, 1964-1984.	1.3	1
660	Local Sleep Oscillations: Implications for Memory Consolidation. <i>Frontiers in Neuroscience</i> , 2019, 13, 813.	1.4	28
661	Effects of a Daytime Nap on Primed and Repeated Remote Associates Tests and Relations with Divergent Creativity. <i>Creativity Research Journal</i> , 2019, 31, 207-214.	1.7	4
662	Evaluation of Sleep Patterns and Self-Reported Academic Performance among Medical Students at the University of Ghana School of Medicine and Dentistry. <i>Sleep Disorders</i> , 2019, 2019, 1-8.	0.8	35

#	ARTICLE	IF	CITATIONS
663	In Trauma-Exposed Individuals, Self-reported Hyperarousal and Sleep Architecture Predict Resting-State Functional Connectivity in Frontocortical and Paralimbic Regions. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 1059-1069.	1.1	6
664	Monosynaptic Hippocampal-Prefrontal Projections Contribute to Spatial Memory Consolidation in Mice. <i>Journal of Neuroscience</i> , 2019, 39, 6978-6991.	1.7	39
665	Restless REM Sleep Impedes Overnight Amygdala Adaptation. <i>Current Biology</i> , 2019, 29, 2351-2358.e4.	1.8	94
666	Photobiomodulation: a novel approach to treating Alzheimer's disease. , 2019, , 401-417.		0
667	Acoustic enhancement of sleep slow oscillations in mild cognitive impairment. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 1191-1201.	1.7	70
668	Differential effects of sleep on explicit and implicit memory for potential trauma reminders: findings from an analogue study. <i>HÅrre Utbildning</i> , 2019, 10, 1644128.	1.4	18
669	Sleep Physiology, Circadian Rhythms, Waking Performance and the Development of Sleep-Wake Therapeutics. <i>Handbook of Experimental Pharmacology</i> , 2019, 253, 441-481.	0.9	40
670	Sleep Matters: CD4+ T Cell Memory Formation and the Central Nervous System. <i>Trends in Immunology</i> , 2019, 40, 674-686.	2.9	12
671	Effect of Circadian Clock and Light-Dark Cycles in <i>Onchidium reevesii</i> : Possible Implications for Long-Term Memory. <i>Genes</i> , 2019, 10, 488.	1.0	3
672	Bridging the Reciprocal Gap between Sleep and Fruit and Vegetable Consumption: A Review of the Evidence, Potential Mechanisms, Implications, and Directions for Future Work. <i>Nutrients</i> , 2019, 11, 1382.	1.7	27
673	Does splitting sleep improve long-term memory in chronically sleep deprived adolescents?. <i>Npj Science of Learning</i> , 2019, 4, 8.	1.5	16
674	Impact of Cranial Electrostimulation on Sleep: A Systematic Review. <i>Sleep and Vigilance</i> , 2019, 3, 101-112.	0.4	4
675	Daily Torpor and Sleep in a Non-human Primate, the Gray Mouse Lemur (<i>Microcebus murinus</i>). <i>Frontiers in Neuroanatomy</i> , 2019, 13, 87.	0.9	16
676	The dual orexinergic receptor antagonist DORA-22 improves the sleep disruption and memory impairment produced by a rodent insomnia model. <i>Sleep</i> , 2020, 43, .	0.6	11
677	Linking the need to sleep with synaptic function. <i>Science</i> , 2019, 366, 189-190.	6.0	20
678	Targeted Memory Reactivation During Sleep Improves Next-Day Problem Solving. <i>Psychological Science</i> , 2019, 30, 1616-1624.	1.8	24
679	Generalized quasiperiodic epileptiform activity in sleep is associated with cognitive impairment in children with drug-resistant focal lesional epilepsy. <i>Epilepsia</i> , 2019, 60, 2263-2276.	2.6	6
681	Coordination of Human Hippocampal Sharpwave Ripples during NREM Sleep with Cortical Theta Bursts, Spindles, Downstates, and Upstates. <i>Journal of Neuroscience</i> , 2019, 39, 8744-8761.	1.7	57

#	ARTICLE	IF	CITATIONS
682	Efficient Implementation of Cerebellar Purkinje Cell With the CORDIC Algorithm on LaCSNN. <i>Frontiers in Neuroscience</i> , 2019, 13, 1078.	1.4	4
683	Local Gamma Activity During Non-REM Sleep in the Context of Sensory Evoked K-Complexes. <i>Frontiers in Neuroscience</i> , 2019, 13, 1094.	1.4	11
684	A Neural Chronometry of Memory Recall. <i>Trends in Cognitive Sciences</i> , 2019, 23, 1071-1085.	4.0	95
685	Different post-training processes in children's and adults' motor skill learning. <i>PLoS ONE</i> , 2019, 14, e0210658.	1.1	9
686	Mechanisms of systems memory consolidation during sleep. <i>Nature Neuroscience</i> , 2019, 22, 1598-1610.	7.1	589
687	Light, Sleep, Alertness and Performance. , 2019, , 169-186.		0
688	Cued Memory Reactivation during Motor Imagery Practice Influences Early Improvement of Procedural Skill Learning. <i>Neuroscience</i> , 2019, 418, 244-253.	1.1	4
689	Heterogeneous profiles of coupled sleep oscillations in human hippocampus. <i>NeuroImage</i> , 2019, 202, 116178.	2.1	22
690	Sleep quality, duration, and consistency are associated with better academic performance in college students. <i>Npj Science of Learning</i> , 2019, 4, 16.	1.5	133
691	Theta Oscillations Alternate With High Amplitude Neocortical Population Within Synchronized States. <i>Frontiers in Neuroscience</i> , 2019, 13, 316.	1.4	4
692	Transient Epileptic Amnesia: A Treatable Cause of Spells Associated With Persistent Cognitive Symptoms. <i>Frontiers in Neurology</i> , 2019, 10, 939.	1.1	17
693	Sleep preserves subjective and sympathetic emotional response of memories. <i>Neurobiology of Learning and Memory</i> , 2019, 166, 107096.	1.0	14
694	How Targeted Memory Reactivation Promotes the Selective Strengthening of Memories in Sleep. <i>Current Biology</i> , 2019, 29, R906-R912.	1.8	51
695	Measuring Neural Mechanisms Underlying Sleep-Dependent Memory Consolidation During Naps in Early Childhood. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	1
696	c-Fos expression in the ascending arousal system induced by physical exercise in rats: Implication for memory performance. <i>Brain Research</i> , 2019, 1723, 146376.	1.1	2
697	Effect of sleep quality on memory, executive function, and language performance in patients with refractory focal epilepsy and controlled epilepsy versus healthy controls – A prospective study. <i>Epilepsy and Behavior</i> , 2019, 92, 176-183.	0.9	17
698	Remembering in the Context of Internal States: The Role of Sleep for Infant Memory. <i>Child Development Perspectives</i> , 2019, 13, 110-115.	2.1	43
699	Implicit Vocabulary Learning during Sleep Is Bound to Slow-Wave Peaks. <i>Current Biology</i> , 2019, 29, 541-553.e7.	1.8	55

#	ARTICLE	IF	CITATIONS
700	Dreaming neural networks: Forgetting spurious memories and reinforcing pure ones. <i>Neural Networks</i> , 2019, 112, 24-40.	3.3	39
701	Sleep improves memory for the content but not execution of intentions in adolescents. <i>Sleep Medicine</i> , 2019, 56, 111-116.	0.8	5
702	Implicit versus explicit mechanisms of vocabulary learning and consolidation. <i>Journal of Memory and Language</i> , 2019, 106, 1-17.	1.1	10
703	Sleep: Rock and Swing versus Toss and Turn. <i>Current Biology</i> , 2019, 29, R86-R88.	1.8	3
704	Strong relationship between NREM sleep, epilepsy and plastic functions – A conceptual review on the neurophysiology background. <i>Epilepsy Research</i> , 2019, 150, 95-105.	0.8	48
705	Large time step discrete-time modeling of sharp wave activity in hippocampal area CA3. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 72, 162-175.	1.7	4
706	Physiological feelings. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 103, 267-304.	2.9	121
707	Objective napping, cognitive decline, and risk of cognitive impairment in older men. <i>Alzheimer's and Dementia</i> , 2019, 15, 1039-1047.	0.4	71
708	Sleep and Plasticity. <i>Handbook of Behavioral Neuroscience</i> , 2019, 30, 425-442.	0.7	1
709	Regulation of Local Sleep by the Thalamic Reticular Nucleus. <i>Frontiers in Neuroscience</i> , 2019, 13, 576.	1.4	56
710	Sleep-Wake and Cortical Synaptic Plasticity. <i>Handbook of Behavioral Neuroscience</i> , 2019, 30, 443-454.	0.7	2
711	Sleep and Memory Consolidation: Conceptual and Methodological Challenges. <i>Handbook of Behavioral Neuroscience</i> , 2019, 30, 489-501.	0.7	4
712	Sleep, Emotional Memories, and Depression. <i>Handbook of Behavioral Neuroscience</i> , 2019, 30, 519-531.	0.7	0
713	Age and Race-Related Differences in Sleep Discontinuity Linked to Associative Memory Performance and Its Neural Underpinnings. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 176.	1.0	13
714	Effects of Relaxing Music on Healthy Sleep. <i>Scientific Reports</i> , 2019, 9, 9079.	1.6	46
715	NREM sleep in the rodent neocortex and hippocampus reflects excitable dynamics. <i>Nature Communications</i> , 2019, 10, 2478.	5.8	75
716	Sleep and the extraction of hidden regularities: A systematic review and the importance of temporal rules. <i>Sleep Medicine Reviews</i> , 2019, 47, 39-50.	3.8	45
717	Total sleep deprivation impairs fear memory retrieval by decreasing the basolateral amygdala activity. <i>Brain Research</i> , 2019, 1719, 17-23.	1.1	13

#	ARTICLE	IF	CITATIONS
718	An evaluation of sodium oxybate as a treatment option for narcolepsy. <i>Expert Opinion on Pharmacotherapy</i> , 2019, 20, 1189-1199.	0.9	15
720	Sleep and cognitive development in preschoolers: Stress and autobiographical performance associations. <i>Journal of Applied Developmental Psychology</i> , 2019, 63, 16-22.	0.8	3
721	The effects of sleep on prospective memory: A systematic review and meta-analysis. <i>Sleep Medicine Reviews</i> , 2019, 47, 18-27.	3.8	27
722	Sleep as a topic in nursing education programs? A mixed method study of syllabuses and nursing students' perceptions. <i>Nurse Education Today</i> , 2019, 79, 168-174.	1.4	11
723	Association between autophagy and rapid eye movement sleep loss-associated neurodegenerative and patho-physio-behavioral changes. <i>Sleep Medicine</i> , 2019, 63, 29-37.	0.8	24
724	Short Duration Repetitive Transcranial Electrical Stimulation During Sleep Enhances Declarative Memory of Facts. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 123.	1.0	17
725	A review of neurobiological factors underlying the selective enhancement of memory at encoding, consolidation, and retrieval. <i>Progress in Neurobiology</i> , 2019, 179, 101615.	2.8	22
726	Association between insomnia disorder and cognitive function in middle-aged and older adults: a cross-sectional analysis of the Canadian Longitudinal Study on Aging. <i>Sleep</i> , 2019, 42, .	0.6	38
727	Morning stimulant administration reduces sleep and overnight working memory improvement. <i>Behavioural Brain Research</i> , 2019, 370, 111940.	1.2	5
728	On the cause of sleep: Protein fragments, the concept of sentinels, and links to epilepsy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10773-10782.	3.3	5
729	The p75 Neurotrophin Receptor Is an Essential Mediator of Impairments in Hippocampal-Dependent Associative Plasticity and Memory Induced by Sleep Deprivation. <i>Journal of Neuroscience</i> , 2019, 39, 5452-5465.	1.7	44
730	Nursing care and management of patients's™ sleep during hospitalisation: A cross-sectional™ study. <i>Journal of Clinical Nursing</i> , 2019, 28, 3400-3407.	1.4	14
731	The formation of compensatory contextual fear memory in the absence of dorsal hippocampus does not change sleep architecture. <i>Behavioural Brain Research</i> , 2019, 370, 111944.	1.2	7
732	Preferential Consolidation of Emotional Memory During Sleep: A Meta-Analysis. <i>Frontiers in Psychology</i> , 2019, 10, 1014.	1.1	52
733	Effects of targeted memory reactivation during sleep at home depend on sleep disturbances and habituation. <i>Npj Science of Learning</i> , 2019, 4, 5.	1.5	26
734	The Sleep's™ Wake Cycle: An Overview. , 2019, , 1-16.		3
735	Sleep preferentially enhances memory for a cognitive strategy but not the implicit motor skills used to acquire it. <i>Neurobiology of Learning and Memory</i> , 2019, 161, 135-142.	1.0	13
736	Sleep accelerates re-stabilization of human declarative memories. <i>Neurobiology of Learning and Memory</i> , 2019, 162, 1-8.	1.0	14

#	ARTICLE	IF	CITATIONS
737	How rhythms of the sleeping brain tune memory and synaptic plasticity. <i>Sleep</i> , 2019, 42, .	0.6	70
738	Agreement Between Prospective and Retrospective Measures of Childhood Maltreatment. <i>JAMA Psychiatry</i> , 2019, 76, 584.	6.0	648
739	Sleep and Event Cued Prospective Memory: Exploring the Role of Cue Encodings. <i>Sleep and Vigilance</i> , 2019, 3, 17-24.	0.4	0
740	Primed to Sleep: The Dynamics of Synaptic Plasticity Across Brain States. <i>Frontiers in Systems Neuroscience</i> , 2019, 13, 2.	1.2	78
741	The Fate of Emotional Memories Over a Week: Does Sleep Play Any Role?. <i>Frontiers in Psychology</i> , 2019, 10, 481.	1.1	9
742	Sleep, Stress, and Traumatic Memory. , 2019, , 171-197.		0
743	Cognition: Learning while Asleep. <i>Current Biology</i> , 2019, 29, R164-R166.	1.8	1
744	Early childhood adversity associations with nightmare severity and sleep spindles. <i>Sleep Medicine</i> , 2019, 56, 57-65.	0.8	28
745	Cortical reactivations during sleep spindles following declarative learning. <i>NeuroImage</i> , 2019, 195, 104-112.	2.1	43
746	The Sleep-Immune Crosstalk in Health and Disease. <i>Physiological Reviews</i> , 2019, 99, 1325-1380.	13.1	711
747	Phase-amplitude coupling of sleep slow oscillatory and spindle activity correlates with overnight memory consolidation. <i>Journal of Sleep Research</i> , 2019, 28, e12835.	1.7	57
748	Language cues in the formation of hierarchical representations of space. <i>Spatial Cognition and Computation</i> , 2019, 19, 252-281.	0.6	5
749	Transcranial Current Stimulation During Sleep Facilitates Insight into Temporal Rules, but does not Consolidate Memories of Individual Sequential Experiences. <i>Scientific Reports</i> , 2019, 9, 1516.	1.6	13
750	A contextual binding theory of episodic memory: systems consolidation reconsidered. <i>Nature Reviews Neuroscience</i> , 2019, 20, 364-375.	4.9	246
751	Rapid eye movement sleep mediates age-related decline in prospective memory consolidation. <i>Sleep</i> , 2019, 42, .	0.6	23
752	Updating Internal Cognitive Models during Sleep. <i>Journal of Neuroscience</i> , 2019, 39, 1966-1968.	1.7	2
753	Temporal Flexibility of Systems Consolidation and the Synaptic Occupancy/Reset Theory (SORT): Cues About the Nature of the Engram. <i>Frontiers in Synaptic Neuroscience</i> , 2019, 11, 1.	1.3	7
754	Dihydropyridine ameliorates memory impairment induced by acute sleep deprivation. <i>European Journal of Pharmacology</i> , 2019, 853, 220-228.	1.7	32

#	ARTICLE	IF	CITATIONS
755	Investigating A Hypothesis on The Mechanism of Long-Term Memory Storage. <i>NeuroQuantology</i> , 2019, 17, .	0.1	4
756	Sleep Preserves Physiological Arousal in Emotional Memory. <i>Scientific Reports</i> , 2019, 9, 5966.	1.6	23
757	Sleep, oscillations, interictal discharges, and seizures in human focal epilepsy. <i>Neurobiology of Disease</i> , 2019, 127, 545-553.	2.1	65
758	Preoperative Sleep Disturbance Exaggerates Surgery-Induced Neuroinflammation and Neuronal Damage in Aged Mice. <i>Mediators of Inflammation</i> , 2019, 2019, 1-12.	1.4	18
759	Instability of brain connectivity during nonrapid eye movement sleep reflects altered properties of information integration. <i>Human Brain Mapping</i> , 2019, 40, 3192-3202.	1.9	20
760	Remembering to Forget: A Dual Role for Sleep Oscillations in Memory Consolidation and Forgetting. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 71.	1.8	28
761	Opposite effect of motivated forgetting on sleep spindles during stage 2 and slow wave sleep. <i>Sleep</i> , 2019, 42, .	0.6	17
762	Young and Older Adults Benefit From Sleep, but Not From Active Wakefulness for Memory Consolidation of What-Where-When Naturalistic Events. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 58.	1.7	11
763	Slow oscillatory transcranial direct current stimulation (so-tDCS) during slow wave sleep has no effects on declarative memory in healthy young subjects. <i>Brain Stimulation</i> , 2019, 12, 948-958.	0.7	29
764	Deconstructing Procedural Memory: Different Learning Trajectories and Consolidation of Sequence and Statistical Learning. <i>Frontiers in Psychology</i> , 2018, 9, 2708.	1.1	56
765	Polysomnographic and neuropsychological characteristics of rapid eye movement sleep behavior disorder patients. <i>Brain and Behavior</i> , 2019, 9, e01220.	1.0	7
766	School-based sleep health education in Canada. <i>Sleep Medicine</i> , 2019, 56, 9-15.	0.8	6
767	Precise Slow Oscillationâ€“Spindle Coupling Promotes Memory Consolidation in Younger and Older Adults. <i>Scientific Reports</i> , 2019, 9, 1940.	1.6	151
768	Grappling With Implicit Social Bias: A Perspective From Memory Research. <i>Neuroscience</i> , 2019, 406, 684-697.	1.1	4
770	Increased neuronal signatures of targeted memory reactivation during slow-wave up states. <i>Scientific Reports</i> , 2019, 9, 2715.	1.6	57
771	Epilepsy as a derailment of sleep plastic functions may cause chronic cognitive impairment - A theoretical review. <i>Sleep Medicine Reviews</i> , 2019, 45, 31-41.	3.8	14
772	Enhancing the Quality of Student Learning Using Distributed Practice. , 2019, , 550-584.		7
773	Traumatic Brain Injury and Posttraumatic Stress Disorder: Comorbid Consequences of War. <i>Neuroscience Insights</i> , 2019, 14, 117906951989293.	0.9	18

#	ARTICLE	IF	CITATIONS
774	Konsolidacija pamćenja u primarnoj nesanici. <i>Medicina Fluminensis</i> , 2019, 55, 242-246.	0.1	0
775	Estimation of the epileptogenic-zone with HFO sub-groups exhibiting various levels of epileptogenicity*. , 2019, 2019, 2543-2546.		2
776	Relation between gamma oscillations and neuronal plasticity in the visual cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23317-23325.	3.3	58
777	Improvements in the Recognition of Sounds after Presentation during Sleep. <i>Neuroscience and Behavioral Physiology</i> , 2019, 49, 1159-1168.	0.2	0
778	Trained-feature-specific offline learning by sleep in an orientation detection task. <i>Journal of Vision</i> , 2019, 19, 12.	0.1	12
779	Prior Knowledge Predicts Early Consolidation in Second Language Learning. <i>Frontiers in Psychology</i> , 2019, 10, 2312.	1.1	9
780	White matter hyperintensity and cognitive impairments in chronic insomniacs. <i>NeuroReport</i> , 2019, 30, 612-618.	0.6	6
781	The Relationship between the Number of Daily Health-Related Behavioral Risk Factors and Sleep Health of the Elderly in China. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4905.	1.2	11
782	Developing a Therapeutic Approach Toward Active Engagement for Veterans With Mild Traumatic Brain Injury. <i>Journal of Head Trauma Rehabilitation</i> , 2019, 34, 141-149.	1.0	0
783	The impact of sleep on eyewitness identifications. <i>Royal Society Open Science</i> , 2019, 6, 170501.	1.1	7
784	Functional connectivity dynamics slow with descent from wakefulness to sleep. <i>PLoS ONE</i> , 2019, 14, e0224669.	1.1	16
785	Critical Dynamics Mediate Learning of New Distributed Memory Representations in Neuronal Networks. <i>Entropy</i> , 2019, 21, 1043.	1.1	6
786	The reciprocal relation between sleep and memory in infancy: Memory-dependent adjustment of sleep spindles and spindle-dependent improvement of memories. <i>Developmental Science</i> , 2019, 22, e12743.	1.3	28
787	Contextual priming of word meanings is stabilized over sleep. <i>Cognition</i> , 2019, 182, 109-126.	1.1	25
788	Controlling Complexity of Cerebral Cortex Simulations: CxSystem, a Flexible Cortical Simulation Framework. <i>Neural Computation</i> , 2019, 31, 1048-1065.	1.3	5
789	Insights on auditory closed-loop stimulation targeting sleep spindles in slow oscillation up-states. <i>Journal of Neuroscience Methods</i> , 2019, 316, 117-124.	1.3	42
790	Metabolism of sleep and aging: Bridging the gap using metabolomics. <i>Nutrition and Healthy Aging</i> , 2019, 5, 167-184.	0.5	7
791	Peeking into the sleeping brain: Using in vivo imaging in rodents to understand the relationship between sleep and cognition. <i>Journal of Neuroscience Methods</i> , 2019, 316, 71-82.	1.3	8

#	ARTICLE	IF	CITATIONS
792	Health-Promoting Strategies for the Aging Brain. <i>American Journal of Geriatric Psychiatry</i> , 2019, 27, 213-236.	0.6	66
793	The association between sleep and dual-task performance in preterm and full-term children: an exploratory study. <i>Sleep Medicine</i> , 2019, 55, 100-108.	0.8	8
794	Ontogenesis of learning and memory: Biopsychosocial and dynamical systems perspectives. <i>Developmental Psychobiology</i> , 2019, 61, 402-415.	0.9	8
795	Targeted memory reactivation during sleep to strengthen memory for arbitrary pairings. <i>Neuropsychologia</i> , 2019, 124, 144-150.	0.7	17
796	New trends in otoneurological dysfunctions in OSA patients concerning "The balance of sleep: Role of the vestibular sensory system". <i>Sleep Medicine Reviews</i> , 2019, 44, 85-86.	3.8	1
797	The associations between spindle characteristics and cognitive ability in a large adolescent birth cohort. <i>Intelligence</i> , 2019, 72, 13-19.	1.6	11
798	Stimulating the sleeping brain: Current approaches to modulating memory-related sleep physiology. <i>Journal of Neuroscience Methods</i> , 2019, 316, 125-136.	1.3	25
799	Decreased serum potassium may disturb sleep homeostasis in essential hypertensives. <i>Hypertension Research</i> , 2019, 42, 174-181.	1.5	5
800	REM theta activity predicts re-experiencing symptoms after exposure to a traumatic film. <i>Sleep Medicine</i> , 2019, 54, 142-152.	0.8	27
801	The 8"Hour Challenge: Incentivizing Sleep during End"of"Term Assessments. <i>Journal of Interior Design</i> , 2019, 44, 85-99.	0.4	12
802	Melatonin modulates daytime"dependent synaptic plasticity and learning efficiency. <i>Journal of Pineal Research</i> , 2019, 66, e12553.	3.4	49
803	Thalamo-Cortical White Matter Underlies Motor Memory Consolidation via Modulation of Sleep Spindles in Young and Older Adults. <i>Neuroscience</i> , 2019, 402, 104-115.	1.1	24
804	Back to baseline: sleep recalibrates synapses. <i>Nature Neuroscience</i> , 2019, 22, 149-151.	7.1	17
805	Slow spindles are associated with cortical high frequency activity. <i>NeuroImage</i> , 2019, 189, 71-84.	2.1	19
806	Sleepers track informative speech in a multitalker environment. <i>Nature Human Behaviour</i> , 2019, 3, 274-283.	6.2	39
807	Spatio-temporal structure of sleep slow oscillations on the electrode manifold and its relation to spindles. <i>Sleep</i> , 2019, 42, .	0.6	22
808	Sleep spindle characteristics and sleep architecture are associated with learning of executive functions in school"age children. <i>Journal of Sleep Research</i> , 2019, 28, e12779.	1.7	17
809	The long-term memory benefits of a daytime nap compared with cramming. <i>Sleep</i> , 2019, 42, .	0.6	21

#	ARTICLE	IF	CITATIONS
810	Sleep and circadian rhythm disruption and stress intersect in Alzheimer's disease. <i>Neurobiology of Stress</i> , 2019, 10, 100133.	1.9	41
811	Embodied Perspectives on Behavioral Cognitive Enhancement. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , 2019, 3, 144-160.	0.8	8
812	Overnight retention of emotional memories is influenced by BDNF Val66Met but not 5-HTTLPR. <i>Behavioural Brain Research</i> , 2019, 359, 17-27.	1.2	10
813	Computational models of memory consolidation and long-term synaptic plasticity during sleep. <i>Neurobiology of Learning and Memory</i> , 2019, 160, 32-47.	1.0	7
814	Sleep Spindles and Memory Reprocessing. <i>Trends in Neurosciences</i> , 2019, 42, 1-3.	4.2	99
815	Hippocampal Reactivation Extends for Several Hours Following Novel Experience. <i>Journal of Neuroscience</i> , 2019, 39, 866-875.	1.7	69
816	The Eight Hour Sleep Challenge During Final Exams Week. <i>Teaching of Psychology</i> , 2019, 46, 55-63.	0.7	25
817	Sleep talking: A viable access to mental processes during sleep. <i>Sleep Medicine Reviews</i> , 2019, 44, 12-22.	3.8	20
818	When does sleep affect veridical and false memory consolidation? A meta-analysis. <i>Psychonomic Bulletin and Review</i> , 2019, 26, 387-400.	1.4	18
819	Impact of sex steroids and reproductive stage on sleep-dependent memory consolidation in women. <i>Neurobiology of Learning and Memory</i> , 2019, 160, 118-131.	1.0	16
820	Lower Sleep Duration Is Associated With Reduced Autobiographical Memory Specificity. <i>Behavioral Sleep Medicine</i> , 2019, 17, 586-594.	1.1	10
821	Effects of sleep on the realization of complex plans. <i>Journal of Sleep Research</i> , 2019, 28, e12655.	1.7	12
822	Circuit mechanisms of hippocampal reactivation during sleep. <i>Neurobiology of Learning and Memory</i> , 2019, 160, 98-107.	1.0	22
823	Sharp-wave ripples as a signature of hippocampal-prefrontal reactivation for memory during sleep and waking states. <i>Neurobiology of Learning and Memory</i> , 2019, 160, 11-20.	1.0	43
824	Sleep and mindfulness meditation as they relate to false memory. <i>Psychological Research</i> , 2020, 84, 1084-1111.	1.0	7
825	Sleep and synaptic downselection. <i>European Journal of Neuroscience</i> , 2020, 51, 413-421.	1.2	117
826	The role of the genome in experience-dependent plasticity: Extending the analogy of the genomic action potential. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23252-23260.	3.3	44
827	The neurophysiological basis of excessive daytime sleepiness: suggestions of an altered state of consciousness. <i>Sleep and Breathing</i> , 2020, 24, 15-23.	0.9	9

#	ARTICLE	IF	CITATIONS
828	The age differences of sleep disruption on mood states and memory performance. <i>Aging and Mental Health</i> , 2020, 24, 1444-1451.	1.5	5
829	Need for Sleep: The Impact of a Night of Sleep Deprivation on Novice Developers's™ Performance. <i>IEEE Transactions on Software Engineering</i> , 2020, 46, 1-19.	4.3	14
830	Sleep spindle density is associated with worry in children with generalized anxiety disorder and healthy controls. <i>Journal of Affective Disorders</i> , 2020, 260, 418-425.	2.0	8
831	The role of sleep in fear learning and memory. <i>Current Opinion in Psychology</i> , 2020, 34, 32-36.	2.5	24
832	Automatic detection of high-frequency-oscillations and their sub-groups co-occurring with interictal-epileptic-spikes. <i>Journal of Neural Engineering</i> , 2020, 17, 016030.	1.8	22
833	Sleep electroencephalography and brain maturation: developmental trajectories and the relation with cognitive functioning. <i>Sleep Medicine</i> , 2020, 66, 33-50.	0.8	49
834	Neurochemical mechanisms for memory processing during sleep: basic findings in humans and neuropsychiatric implications. <i>Neuropsychopharmacology</i> , 2020, 45, 31-44.	2.8	35
835	Sleep disturbance in PTSD and other anxiety-related disorders: an updated review of clinical features, physiological characteristics, and psychological and neurobiological mechanisms. <i>Neuropsychopharmacology</i> , 2020, 45, 55-73.	2.8	105
836	Effects of different landscape visual stimuli on psychophysiological responses in Chinese students. <i>Indoor and Built Environment</i> , 2020, 29, 1006-1016.	1.5	25
837	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
838	Sleep EEG oscillations in neurodevelopmental disorders without intellectual disabilities. <i>Sleep Medicine Reviews</i> , 2020, 49, 101224.	3.8	35
839	Sleep Education for Primary School Students by Occupational Therapists in Japan: A Pilot Study through a Health Promotion Project. <i>Journal of Occupational Therapy, Schools, and Early Intervention</i> , 2020, 13, 186-196.	0.4	2
840	Atypicalities in sleep and semantic consolidation in autism. <i>Developmental Science</i> , 2020, 23, e12906.	1.3	21
841	Neurobehavioural complications of sleep deprivation: Shedding light on the emerging role of neuroactive steroids. <i>Journal of Neuroendocrinology</i> , 2020, 32, e12792.	1.2	14
842	Brain Stimulation for Improving Sleep and Memory. <i>Sleep Medicine Clinics</i> , 2020, 15, 101-115.	1.2	38
843	Longitudinal links between maternal factors and infant cognition: Moderation by infant sleep. <i>Infancy</i> , 2020, 25, 128-150.	0.9	3
844	HYPNOTIC SUGGESTIONS GIVEN BEFORE NIGHTTIME SLEEP EXTEND SLOW-WAVE SLEEP AS COMPARED TO A CONTROL TEXT IN HIGHLY HYPNOTIZABLE SUBJECTS. <i>International Journal of Clinical and Experimental Hypnosis</i> , 2020, 68, 105-129.	1.1	24
845	Linking the nature and functions of sleep: insights from multimodal imaging of the sleeping brain. <i>Current Opinion in Physiology</i> , 2020, 15, 29-36.	0.9	17

#	ARTICLE	IF	CITATIONS
846	The vigilant sleeper: neural mechanisms of sensory (de)coupling during sleep. <i>Current Opinion in Physiology</i> , 2020, 15, 47-59.	0.9	59
847	Memory quality modulates the effect of aging on memory consolidation during sleep: Reduced maintenance but intact gain. <i>NeuroImage</i> , 2020, 209, 116490.	2.1	25
848	How stress affects sleep and mental health: nocturnal heart rate increases during prolonged stress and interacts with childhood trauma exposure to predict anxiety. <i>Sleep</i> , 2020, 43, .	0.6	15
849	Examining the optimal timing for closed-loop auditory stimulation of slow-wave sleep in young and older adults. <i>Sleep</i> , 2020, 43, .	0.6	42
850	What Is REM Sleep?. <i>Current Biology</i> , 2020, 30, R38-R49.	1.8	93
851	The differing roles of NREM and REM sleep in the slow enhancement of skills and schemas. <i>Current Opinion in Physiology</i> , 2020, 15, 82-88.	0.9	15
852	Low acetylcholine during early sleep is important for motor memory consolidation. <i>Sleep</i> , 2020, 43, .	0.6	14
853	Brain Rhythms During Sleep and Memory Consolidation: Neurobiological Insights. <i>Physiology</i> , 2020, 35, 4-15.	1.6	25
854	Sleep Spindles: Mechanisms and Functions. <i>Physiological Reviews</i> , 2020, 100, 805-868.	13.1	347
855	Stimulation Augments Spike Sequence Replay and Memory Consolidation during Slow-Wave Sleep. <i>Journal of Neuroscience</i> , 2020, 40, 811-824.	1.7	27
856	Evidence for impaired extinction learning in humans after distal stress exposure. <i>Neurobiology of Learning and Memory</i> , 2020, 167, 107127.	1.0	7
857	Adolescent sleep and school performance – the problem of sleepy teenagers. <i>Current Opinion in Physiology</i> , 2020, 15, 23-28.	0.9	14
858	Metabolomics in Sleep, Insomnia and Sleep Apnea. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7244.	1.8	53
859	The Role of Sleep in Cognitive Aging. , 2020, , 628-644.		2
860	Rapid Eye Movement Sleep Sawtooth Waves Are Associated with Widespread Cortical Activations. <i>Journal of Neuroscience</i> , 2020, 40, 8900-8912.	1.7	19
861	Obstructive Sleep Apnea and Its Treatment in Aging: Effects on Alzheimer’s disease Biomarkers, Cognition, Brain Structure and Neurophysiology. <i>Neurobiology of Disease</i> , 2020, 145, 105054.	2.1	57
862	In Vivo Neuroelectrophysiological Monitoring of Atomically Precise Au ₂₅ Clusters at an Ultrahigh Injected Dose. <i>ACS Omega</i> , 2020, 5, 24537-24545.	1.6	10
863	Mini Pinyin: A modified miniature language for studying language learning and incremental sentence processing. <i>Behavior Research Methods</i> , 2020, 53, 1218-1239.	2.3	3

#	ARTICLE	IF	CITATIONS
864	The role of exercise-induced peripheral factors in sleep regulation. <i>Molecular Metabolism</i> , 2020, 42, 101096.	3.0	21
865	OSAS assessment with entropy analysis of high resolution snoring audio signals. <i>Biomedical Signal Processing and Control</i> , 2020, 61, 101965.	3.5	5
866	Disordered doctors or rational rats? Testing adaptationist and disorder hypotheses for melancholic depression and their relevance for clinical psychology. <i>Clinical Psychology Review</i> , 2020, 82, 101927.	6.0	11
867	The role of slow wave sleep in the development of dementia and its potential for preventative interventions. <i>Psychiatry Research - Neuroimaging</i> , 2020, 306, 111178.	0.9	30
868	Disruption of NREM sleep and sleep-related spatial memory consolidation in mice lacking adult hippocampal neurogenesis. <i>Scientific Reports</i> , 2020, 10, 16467.	1.6	8
869	Temporal associations between sleep slow oscillations, spindles and ripples. <i>European Journal of Neuroscience</i> , 2020, 52, 4762-4778.	1.2	42
870	Analyzing human sleep EEG: A methodological primer with code implementation. <i>Sleep Medicine Reviews</i> , 2020, 54, 101353.	3.8	37
871	Comparing the effect of daytime sleep and wakefulness on mnemonic discrimination. <i>Physiology and Behavior</i> , 2020, 224, 113078.	1.0	3
872	Destabilization of light NREM sleep by thalamic PLC β 4 deletion impairs sleep-dependent memory consolidation. <i>Scientific Reports</i> , 2020, 10, 8813.	1.6	5
873	<p>Healthy Sleepers Can Worsen Their Sleep by Wanting to Do so: The Effects of Intention on Objective and Subjective Sleep Parameters</p>. <i>Nature and Science of Sleep</i> , 2020, Volume 12, 981-997.	1.4	5
874	Narrative review of sleep and stroke. <i>Journal of Thoracic Disease</i> , 2020, 12, S176-S190.	0.6	15
875	Effects of 2.45 GHz Wi-Fi exposure on sleep-dependent memory consolidation. <i>Journal of Sleep Research</i> , 2020, 30, e13224.	1.7	3
876	Adverse interaction effects of chronic and acute sleep deficits on spatial working memory but not on verbal working memory or declarative memory. <i>Journal of Sleep Research</i> , 2021, 30, e13225.	1.7	23
877	What Can Local Transfer Entropy Tell Us about Phase-Amplitude Coupling in Electrophysiological Signals?. <i>Entropy</i> , 2020, 22, 1262.	1.1	11
878	SLEEP ABNORMALITIES AND POLYSOMNOGRAPHIC PROFILE IN CHILDREN WITH DRUG-RESISTANT EPILEPSY. Seizure: the Journal of the British Epilepsy Association, 2020, 82, 59-64.	0.9	8
879	The effect of circadian-adjusted LED-based lighting on sleep, daytime sleepiness and biomarkers of inflammation in a randomized controlled cross-over trial by pragmatic design in elderly care home dwellers. <i>Archives of Gerontology and Geriatrics</i> , 2020, 91, 104223.	1.4	3
880	Alteration of Brain Gray Matter Density After 24 h of Sleep Deprivation in Healthy Adults. <i>Frontiers in Neuroscience</i> , 2020, 14, 754.	1.4	23
881	Memory and the circadian system: Identifying candidate mechanisms by which local clocks in the brain may regulate synaptic plasticity. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 118, 134-162.	2.9	28

#	ARTICLE	IF	CITATIONS
882	Slow Wave Sleep Is a Promising Intervention Target for Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2020, 14, 705.	1.4	55
883	Sleep in Infancy and Early Childhood. , 2020, , 149-156.		0
884	The intimate relationship between coalescent generators in very premature human newborn brains: Quantifying the coupling of nested endogenous oscillations. <i>Human Brain Mapping</i> , 2020, 41, 4691-4703.	1.9	12
885	<p>Sleep, a Governor of Morbidity in PTSD: A Systematic Review of Biological Markers in PTSD-Related Sleep Disturbances</p>. <i>Nature and Science of Sleep</i> , 2020, Volume 12, 545-562.	1.4	8
886	Individual alpha frequency modulates sleep-related emotional memory consolidation. <i>Neuropsychologia</i> , 2020, 148, 107660.	0.7	15
887	Sleep-dependent memory consolidation in children with self-limited focal epilepsies. <i>Epilepsy and Behavior</i> , 2020, 113, 107513.	0.9	6
888	The roles of item exposure and visualization success in the consolidation of memories across wake and sleep. <i>Learning and Memory</i> , 2020, 27, 451-456.	0.5	26
889	The protective effect of daytime sleep on planning and risk-related decision-making in emerging adults. <i>Social Cognitive and Affective Neuroscience</i> , 2020, 15, 1228-1237.	1.5	4
890	Sleep of Children with High Potentialities: A Polysomnographic Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 3182.	1.0	7
891	Daytime Sleepiness in University Students and Internet Addiction as the Determinant. <i>Journal of Addictions Nursing</i> , 2020, 31, 153-160.	0.2	6
892	Unsupervised Sleep and Wake State Identification in Long-Term Electrocorticography Recordings. , 2020, 2020, 629-632.		3
893	Smart alarm based on sleep stages prediction. , 2020, 2020, 4286-4289.		7
894	Sleep as a Novel Biomarker and a Promising Therapeutic Target for Cerebral Small Vessel Disease: A Review Focusing on Alzheimer's Disease and the Blood-Brain Barrier. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6293.	1.8	38
895	Quality of sleep and anxiety are related to circadian preference in university students. <i>PLoS ONE</i> , 2020, 15, e0238514.	1.1	34
896	Habitual sleep is associated with both source memory and hippocampal subfield volume during early childhood. <i>Scientific Reports</i> , 2020, 10, 15304.	1.6	17
897	A critical role of hippocampus for formation of remote cued fear memory. <i>Molecular Brain</i> , 2020, 13, 112.	1.3	13
898	Reactivation during sleep with incomplete reminder cues rather than complete ones stabilizes long-term memory in humans. <i>Communications Biology</i> , 2020, 3, 733.	2.0	9
899	Impact of menstrual cycle phase and oral contraceptives on sleep and overnight memory consolidation. <i>Journal of Sleep Research</i> , 2021, 30, e13239.	1.7	19

#	ARTICLE	IF	CITATIONS
900	Intellectual Abilities of Children with Narcolepsy. <i>Journal of Clinical Medicine</i> , 2020, 9, 4075.	1.0	6
901	Sleep and Memory in Children. <i>Current Sleep Medicine Reports</i> , 2020, 6, 280-289.	0.7	3
902	Post-learning micro- and macro-structural neuroplasticity changes with time and sleep. <i>Biochemical Pharmacology</i> , 2021, 191, 114369.	2.0	14
903	<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.	1.4	28
904	Actigraphy-recorded sleep efficiency and hippocampal volume are related to visual and verbal rate of forgetting in older adults. <i>Aging, Neuropsychology, and Cognition</i> , 2021, 28, 936-958.	0.7	0
905	The Impact of Sleep Disorders on Functional Recovery and Participation Following Stroke: A Systematic Review and Meta-Analysis. <i>Neurorehabilitation and Neural Repair</i> , 2020, 34, 1050-1061.	1.4	20
906	Circadian and Sleep Metabolomics Across Species. <i>Journal of Molecular Biology</i> , 2020, 432, 3578-3610.	2.0	34
907	The Association of Osteoarthritis and Related Pain Burden to Incident Alzheimerâ€™s Disease and Related Dementias: A Retrospective Cohort Study of U.S. Medicare Beneficiaries. <i>Journal of Alzheimer's Disease</i> , 2020, 75, 789-805.	1.2	19
908	Human sleep consolidates allergic responses conditioned to the environmental context of an allergen exposure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10983-10988.	3.3	3
909	The effect of fish oil on social interaction memory in total sleep-deprived rats with respect to the hippocampal level of stathmin, TFEB, synaptophysin and LAMP-1 proteins. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2020, 157, 102097.	1.0	9
910	Effects of insomnia symptoms and objective short sleep duration on memory performance in youths. <i>Journal of Sleep Research</i> , 2020, 29, e13049.	1.7	9
911	Boosting Slow Oscillations during Sleep to Improve Memory Function in Elderly People: A Review of the Literature. <i>Brain Sciences</i> , 2020, 10, 300.	1.1	20
912	The Degree of Nesting between Spindles and Slow Oscillations Modulates Neural Synchrony. <i>Journal of Neuroscience</i> , 2020, 40, 4673-4684.	1.7	22
913	Adaptive Shyness. , 2020, , .		8
914	The claustrum coordinates cortical slow-wave activity. <i>Nature Neuroscience</i> , 2020, 23, 741-753.	7.1	125
915	Two nights of recovery sleep restores hippocampal connectivity but not episodic memory after total sleep deprivation. <i>Scientific Reports</i> , 2020, 10, 8774.	1.6	42
916	Complete dynamical analysis of a neocortical network model. <i>Nonlinear Dynamics</i> , 2020, 100, 2699-2714.	2.7	20
917	Controlled sleep deprivation as an experimental medicine model of schizophrenia: An update. <i>Schizophrenia Research</i> , 2020, 221, 4-11.	1.1	9

#	ARTICLE	IF	CITATIONS
918	Neuronal Oscillations of Wakefulness and Sleep. , 2020, , .		1
919	SLEEP-DEPENDENT CONSOLIDATION OF SECOND LANGUAGE GRAMMAR KNOWLEDGE. <i>Studies in Second Language Acquisition</i> , 2020, 42, 1107-1120.	1.8	1
920	Autonomic/central coupling benefits working memory in healthy young adults. <i>Neurobiology of Learning and Memory</i> , 2020, 173, 107267.	1.0	12
921	Susceptibility to auditory closed-loop stimulation of sleep slow oscillations changes with age. <i>Sleep</i> , 2020, 43, .	0.6	44
922	Binocular disparity-based learning is retinotopically specific and independent of sleep. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190463.	1.8	6
923	A Protocol for Comparing Dry and Wet EEG Electrodes During Sleep. <i>Frontiers in Neuroscience</i> , 2020, 14, 586.	1.4	17
924	Impaired Hippocampal-Cortical Interactions during Sleep in a Mouse Model of Alzheimer's Disease. <i>Current Biology</i> , 2020, 30, 2588-2601.e5.	1.8	32
925	Inducing lucid dreams by olfactory-cued reactivation of reality testing during early-morning sleep: A proof of concept. <i>Consciousness and Cognition</i> , 2020, 83, 102975.	0.8	6
926	No effect of targeted memory reactivation during sleep on retention of vocabulary in adolescents. <i>Scientific Reports</i> , 2020, 10, 4255.	1.6	10
927	The wrinkling of time: Aging, inflammation, oxidative stress, and the circadian clock in neurodegeneration. <i>Neurobiology of Disease</i> , 2020, 139, 104832.	2.1	72
928	<p></p>Finger Twitches are More Frequent in REM Sleep Than in Non-REM Sleep</p>. <i>Nature and Science of Sleep</i> , 2020, Volume 12, 49-56.	1.4	6
929	Affect Estimation with Wearable Sensors. <i>Journal of Healthcare Informatics Research</i> , 2020, 4, 261-294.	5.3	6
930	The reuniens and rhomboid nuclei are necessary for contextual fear memory persistence in rats. <i>Brain Structure and Function</i> , 2020, 225, 955-968.	1.2	23
931	Classical music, educational learning, and slow wave sleep: A targeted memory reactivation experiment. <i>Neurobiology of Learning and Memory</i> , 2020, 171, 107206.	1.0	13
932	Evening and night exposure to screens of media devices and its association with subjectively perceived sleep: Should "light hygiene" be given more attention?. <i>Sleep Health</i> , 2020, 6, 498-505.	1.3	26
933	The microstructure of REM sleep: Why phasic and tonic?. <i>Sleep Medicine Reviews</i> , 2020, 52, 101305.	3.8	98
934	Phenotypic profiling of <i>mGlu7</i> knockout mice reveals new implications for neurodevelopmental disorders. <i>Genes, Brain and Behavior</i> , 2020, 19, e12654.	1.1	25
935	<p></p>Sleep Duration Is Associated with Academic Achievement of Adolescent Girls in Mathematics</p>. <i>Nature and Science of Sleep</i> , 2020, Volume 12, 173-182.	1.4	10

#	ARTICLE	IF	CITATIONS
936	Sleep-dependent memory consolidation in the light of rapid neocortical plasticity. <i>Current Opinion in Behavioral Sciences</i> , 2020, 33, 118-125.	2.0	5
937	Consciousness in sleep: How findings from sleep and dream research challenge our understanding of sleep, waking, and consciousness. <i>Philosophy Compass</i> , 2020, 15, e12661.	0.7	10
938	Presynaptic Active Zone Plasticity Encodes Sleep Need in <i>Drosophila</i> . <i>Current Biology</i> , 2020, 30, 1077-1091.e5.	1.8	35
939	Local Targeted Memory Reactivation in Human Sleep. <i>Current Biology</i> , 2020, 30, 1435-1446.e5.	1.8	30
940	Specific Increase of Hippocampal Delta Oscillations Across Consecutive Treadmill Runs. <i>Frontiers in Behavioral Neuroscience</i> , 2020, 14, 101.	1.0	16
941	Patterned activation of action potential patterns during offline states in the neocortex: replay and non-replay. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190233.	1.8	7
942	Changes in cross-frequency coupling following closed-loop auditory stimulation in non-rapid eye movement sleep. <i>Scientific Reports</i> , 2020, 10, 10628.	1.6	18
943	Epistemic value in the subpersonal vale. <i>SynthÃ^se</i> , 2021, 198, 9243-9272.	0.6	3
944	Sleep slow oscillations favour local cortical plasticity underlying the consolidation of reinforced procedural learning in human sleep. <i>Journal of Sleep Research</i> , 2020, 29, e13117.	1.7	12
945	Acoustic closed-loop stimulation during sleep improves consolidation of reward-related memory information in healthy children but not in children with attention-deficit hyperactivity disorder. <i>Sleep</i> , 2020, 43, .	0.6	19
946	On the feasibility of measuring physiologic and self-reported sleep disturbance by aircraft noise on a national scale: A pilot study around Atlanta airport. <i>Science of the Total Environment</i> , 2020, 718, 137368.	3.9	9
947	<p>Comparing the Effects of Sleep and Rest on Memory Consolidation</p>. <i>Nature and Science of Sleep</i> , 2020, Volume 12, 79-91.	1.4	15
948	Targeted memory reactivation during sleep boosts intentional forgetting of spatial locations. <i>Scientific Reports</i> , 2020, 10, 2327.	1.6	8
949	Sleep's impact on emotional recognition memory: A meta-analysis of whole-night, nap, and REM sleep effects. <i>Sleep Medicine Reviews</i> , 2020, 51, 101280.	3.8	46
950	Suprachiasmatic lesions restore object recognition in down syndrome model mice. <i>Neurobiology of Sleep and Circadian Rhythms</i> , 2020, 8, 100049.	1.4	12
951	Is Sleep Disruption a Cause or Consequence of Alzheimerâ€™s Disease? Reviewing Its Possible Role as a Biomarker. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1168.	1.8	39
952	Insights into the aetiology of snoring from observational and genetic investigations in the UK Biobank. <i>Nature Communications</i> , 2020, 11, 817.	5.8	74
953	Does sleep protect memories against interference? A failure to replicate. <i>PLoS ONE</i> , 2020, 15, e0220419.	1.1	22

#	ARTICLE	IF	CITATIONS
954	Understanding the interplay of sleep and aging: Methodological challenges. <i>Psychophysiology</i> , 2020, 57, e13523.	1.2	64
955	Learning During Sleep: A Dream Comes True?. <i>Trends in Cognitive Sciences</i> , 2020, 24, 170-172.	4.0	11
956	Reward does not facilitate visual perceptual learning until sleep occurs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 959-968.	3.3	21
957	Divergent neuronal activity patterns in the avian hippocampus and nidopallium. <i>European Journal of Neuroscience</i> , 2020, 52, 3124-3139.	1.2	9
958	Obstructive Sleep Apnea in Neurodegenerative Disorders: Current Evidence in Support of Benefit from Sleep Apnea Treatment. <i>Journal of Clinical Medicine</i> , 2020, 9, 297.	1.0	43
959	Weakly encoded memories due to acute sleep restriction can be rescued after one night of recovery sleep. <i>Scientific Reports</i> , 2020, 10, 1449.	1.6	12
960	How odor cues help to optimize learning during sleep in a real life-setting. <i>Scientific Reports</i> , 2020, 10, 1227.	1.6	14
961	Sleep Spindles Promote the Restructuring of Memory Representations in Ventromedial Prefrontal Cortex through Enhanced Hippocampal-Cortical Functional Connectivity. <i>Journal of Neuroscience</i> , 2020, 40, 1909-1919.	1.7	62
962	One-Shot Tagging During Wake and Cueing During Sleep With Spatiotemporal Patterns of Transcranial Electrical Stimulation Can Boost Long-Term Metamemory of Individual Episodes in Humans. <i>Frontiers in Neuroscience</i> , 2019, 13, 1416.	1.4	6
963	Neuromodulation of sleep rhythms in schizophrenia: Towards the rational design of non-invasive brain stimulation. <i>Schizophrenia Research</i> , 2020, 221, 71-80.	1.1	16
964	Hippocampal Interictal Spikes during Sleep Impact Long-Term Memory Consolidation. <i>Annals of Neurology</i> , 2020, 87, 976-987.	2.8	34
965	Sleep as a window to treat affective disorders. <i>Current Opinion in Behavioral Sciences</i> , 2020, 33, 99-108.	2.0	10
966	Entrainment and synchronization of brain oscillations to auditory stimulations. <i>Neuroscience Research</i> , 2020, 156, 271-278.	1.0	16
967	Episodic memory consolidation during sleep in healthy aging. <i>Sleep Medicine Reviews</i> , 2020, 52, 101304.	3.8	28
968	A daytime nap restores hippocampal function and improves declarative learning. <i>Sleep</i> , 2020, 43, .	0.6	22
969	Exercising before a nap benefits memory better than napping or exercising alone. <i>Sleep</i> , 2020, 43, .	0.6	16
970	A mechanism for learning with sleep spindles. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190230.	1.8	55
971	A sleep spindle framework for motor memory consolidation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190232.	1.8	38

#	ARTICLE	IF	CITATIONS
972	Experience and sleep-dependent synaptic plasticity: from structure to activity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190234.	1.8	19
973	Sleep enhances strategic thinking at the expense of basic procedural skills consolidation. <i>Journal of Sleep Research</i> , 2020, 29, e13034.	1.7	7
974	Influence of Sleeping Patterns in Health and Academic Performance Among University Students. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2760.	1.2	19
975	Phase-based coordination of hippocampal and neocortical oscillations during human sleep. <i>Communications Biology</i> , 2020, 3, 176.	2.0	17
976	The role of slow-wave sleep rhythms in the cortical-hippocampal loop for memory consolidation. <i>Current Opinion in Behavioral Sciences</i> , 2020, 32, 102-110.	2.0	14
977	Electrophysiological signatures of memory reactivation in humans. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190293.	1.8	43
978	Ill-Defined Problem Solving Does Not Benefit From Daytime Napping. <i>Frontiers in Psychology</i> , 2020, 11, 559.	1.1	5
979	Sleep and Plasticity: Do We Consolidate Memories Separately in Each Hemisphere?. <i>Current Biology</i> , 2020, 30, R349-R351.	1.8	0
980	Interplay between midbrain and dorsal anterior cingulate regions arbitrates lingering reward effects on memory encoding. <i>Nature Communications</i> , 2020, 11, 1829.	5.8	17
981	Evolution: Is Recombination Rate Variation Adaptive?. <i>Current Biology</i> , 2020, 30, R351-R353.	1.8	3
982	In Vivo Characterization of Neurophysiological Diversity in the Lateral Supramammillary Nucleus during Hippocampal Sharp-wave Ripples of Adult Rats. <i>Neuroscience</i> , 2020, 435, 95-111.	1.1	5
983	Transcranial Direct Current Stimulation of Supplementary Motor Region Impacts the Effectiveness of Interleaved and Repetitive Practice Schedules for Retention of Motor Skills. <i>Neuroscience</i> , 2020, 435, 58-72.	1.1	16
984	Association of sleep spindle characteristics with executive functioning in healthy sedentary middle-aged and older adults. <i>Journal of Sleep Research</i> , 2021, 30, e13037.	1.7	20
985	No cognitive processing in the unconscious, <scp>anestheticâ€like</scp>, state of sleep. <i>Journal of Comparative Neurology</i> , 2021, 529, 524-538.	0.9	7
986	Does sleep contribute to the consolidation of motor memory?. <i>Manuelle Medizin</i> , 2021, 59, 26-32.	0.1	1
987	Does sleep-dependent consolidation favour weak memories?. <i>Cortex</i> , 2021, 134, 65-75.	1.1	21
988	Sleep following intense physical exercise stabilizes motor learning in typically developing boys. <i>Mental Health and Physical Activity</i> , 2021, 20, 100365.	0.9	3
989	How robust are sleep-mediated memory benefits?. <i>Current Opinion in Neurobiology</i> , 2021, 67, 1-7.	2.0	50

#	ARTICLE	IF	CITATIONS
990	Something old, something new: A review of the literature on sleep-related lexicalization of novel words in adults. <i>Psychonomic Bulletin and Review</i> , 2021, 28, 96-121.	1.4	13
991	Sleep after learning aids the consolidation of factual knowledge, but not relearning. <i>Sleep</i> , 2021, 44, .	0.6	1
992	Use of actigraphy and sleep diaries to assess sleep and academic performance in pharmacy students. <i>Currents in Pharmacy Teaching and Learning</i> , 2021, 13, 57-62.	0.4	4
993	Partial and Total Sleep Deprivation Interferes With Neural Correlates of Consolidation of Fear Extinction Memory. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 299-309.	1.1	11
994	Coupling of gamma band activity to sleep spindle oscillations – a combined EEG/MEG study. <i>NeuroImage</i> , 2021, 224, 117452.	2.1	17
995	Hippocampal modulation of auditory processing in epilepsy. <i>Neurology and Clinical Neuroscience</i> , 2021, 9, 17-23.	0.2	1
996	Timing matters: Transcranial direct current stimulation after extinction learning impairs subsequent fear extinction retention. <i>Neurobiology of Learning and Memory</i> , 2021, 177, 107356.	1.0	17
997	Availability of food determines the need for sleep in memory consolidation. <i>Nature</i> , 2021, 589, 582-585.	13.7	51
998	Redistribution of Monocyte Subsets in Obstructive Sleep Apnea Syndrome Patients Leads to an Imbalanced PD-1/PD-L1 Cross-Talk with CD4/CD8 T Cells. <i>Journal of Immunology</i> , 2021, 206, 51-58.	0.4	24
999	Sleep facilitates anticipation training of a handball goalkeeping task in novices. <i>Psychology of Sport and Exercise</i> , 2021, 53, 101841.	1.1	0
1000	Memory as Triage: Facing Up to the Hard Question of Memory. <i>Review of Philosophy and Psychology</i> , 2021, 12, 227-256.	1.0	7
1001	The Treatment of Sleep Dysfunction in Neurodegenerative Disorders. <i>Neurotherapeutics</i> , 2021, 18, 202-216.	2.1	26
1002	Presynaptic and postsynaptic long-term plasticity in sleep homeostasis. <i>Current Opinion in Neurobiology</i> , 2021, 69, 1-10.	2.0	9
1003	Ketamine anesthesia enhances fear memory consolidation via noradrenergic activation in the basolateral amygdala. <i>Neurobiology of Learning and Memory</i> , 2021, 178, 107362.	1.0	7
1004	Autonomic dysregulation and sleep homeostasis in insomnia. <i>Sleep</i> , 2021, 44, .	0.6	24
1005	Pregnant women do not display impaired memory formation across one night of sleep. <i>Journal of Sleep Research</i> , 2021, 30, e13204.	1.7	2
1006	Neuromodulation of the mind-wandering brain state: the interaction between neuromodulatory tone, sharp wave-ripples and spontaneous thought. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20190699.	1.8	21
1007	Microglia dynamics in sleep/wake states and in response to sleep loss. <i>Neurochemistry International</i> , 2021, 143, 104944.	1.9	35

#	ARTICLE	IF	CITATIONS
1008	Systematic decrease of slow-wave sleep after a guided imagery designed to deepen sleep in low hypnotizable subjects. <i>Journal of Sleep Research</i> , 2021, 30, e13168.	1.7	6
1009	Short sleep duration and high exposure to quick returns are associated with impaired everyday memory in shift workers. <i>Nursing Outlook</i> , 2021, 69, 293-301.	1.5	10
1010	Sleep differentially impacts involuntary intrusions and voluntary recognitions of lab-analogue traumatic memories. <i>Journal of Sleep Research</i> , 2021, 30, e13208.	1.7	12
1011	Sleep and its regulation: An emerging pathogenic and treatment frontier in Alzheimer's disease. <i>Progress in Neurobiology</i> , 2021, 197, 101902.	2.8	33
1012	Sleep-wake regulation in preterm and term infants. <i>Sleep</i> , 2021, 44, .	0.6	20
1013	Memory and Sleep: How Sleep Cognition Can Change the Waking Mind for the Better. <i>Annual Review of Psychology</i> , 2021, 72, 123-150.	9.9	63
1014	Slow wave sleep in naps supports episodic memories in early childhood. <i>Developmental Science</i> , 2021, 24, e13035.	1.3	20
1015	Sleep duration trajectories from adolescence to emerging adulthood: Findings from a population-based birth cohort. <i>Journal of Sleep Research</i> , 2021, 30, e13155.	1.7	6
1016	A case for the role of memory consolidation in speech-motor learning. <i>Psychonomic Bulletin and Review</i> , 2021, 28, 81-95.	1.4	3
1017	Brain plasticity. , 2021, , 77-98.		0
1018	Augmented Memory Replay in Reinforcement Learning With Continuous Control. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2021, , 1-1.	2.6	1
1019	The relation between sleep and neurocognitive development in infancy and early childhood: A neuroscience perspective. <i>Advances in Child Development and Behavior</i> , 2021, 60, 9-27.	0.7	4
1020	Visit-to-visit blood pressure variability and sleep architecture. <i>Journal of Clinical Hypertension</i> , 2021, 23, 323-330.	1.0	4
1021	Motor Learning Promotes the Coupling between Fast Spindles and Slow Oscillations Locally over the Contralateral Motor Network. <i>Cerebral Cortex</i> , 2022, 32, 2493-2507.	1.6	11
1022	Sleep, Alertness, and Light. , 2021, , 1-5.		0
1023	Sleep disorders and dementia. , 2021, , 207-232.		0
1024	MFS: A Brain-Inspired Memory Formation System for GAN. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2022, 41, 2598-2610.	1.9	0
1025	Acquisition of concrete and abstract words is modulated by tDCS of Wernicke's area. <i>Scientific Reports</i> , 2021, 11, 1508.	1.6	12

#	ARTICLE	IF	CITATIONS
1026	Vast Amounts of Encoded Items Nullify but Do Not Reverse the Effect of Sleep on Declarative Memory. <i>Frontiers in Psychology</i> , 2020, 11, 607070.	1.1	6
1028	Sleep-Related Declarative Memory Consolidation in Children and Adolescents with Developmental Dyslexia. <i>Brain Sciences</i> , 2021, 11, 73.	1.1	6
1029	On the theory of mental representation block. a novel perspective on learning and behavior. <i>Communicative and Integrative Biology</i> , 2021, 14, 41-50.	0.6	0
1030	Memory-relevant nap sleep physiology in healthy and pathological aging. <i>Sleep</i> , 2021, 44, .	0.6	14
1032	Sleep is more than rest for plasticity in the human cortex. <i>Sleep</i> , 2021, 44, .	0.6	16
1033	Reversible Verbal Memory Integration Deficits in Obstructive Sleep Apnoea. <i>Psychologica Belgica</i> , 2021, 61, 131-144.	1.0	1
1034	Target Engagement with Transcranial Current Stimulation. , 2021, , 211-242.		0
1035	Neurowissenschaftliche Grundlagen von Lernen und Gedächtnis. , 2021, , 1-15.		0
1036	Multiple memories can be simultaneously reactivated during sleep as effectively as a single memory. <i>Communications Biology</i> , 2021, 4, 25.	2.0	29
1037	Working and Reference Memory Tasks Trigger Opposed Long-Term Synaptic Changes in the Rat Dentate Gyrus. <i>Cerebral Cortex</i> , 2021, 31, 2980-2992.	1.6	2
1038	Sleep's Role in Schema Learning and Creative Insights. <i>Current Sleep Medicine Reports</i> , 2021, 7, 19-29.	0.7	2
1039	A real-time sleep scoring framework for closed-loop sleep manipulation in mice. <i>Journal of Sleep Research</i> , 2021, 30, e13262.	1.7	2
1040	Optimistic amnesia: how online and offline processing shape belief updating and memory biases in immediate and long-term optimism biases. <i>Social Cognitive and Affective Neuroscience</i> , 2021, 16, 453-462.	1.5	6
1041	Modulating overnight memory consolidation by acoustic stimulation during slow-wave sleep: a systematic review and meta-analysis. <i>Sleep</i> , 2021, 44, .	0.6	35
1042	Ontogeny of sleep. , 2021, , .		0
1043	A Drowsiness Reduction Strategy Utilizing Visual Stimulation With Different Colors of Light: An fNIRS Study. <i>IEEE Access</i> , 2021, 9, 105817-105830.	2.6	1
1044	Sleep quality in the chronic stage of concussion is associated with poorer recovery: A systematic review. <i>Journal of Concussion</i> , 2021, 5, 205970022110208.	0.2	3
1046	Youths' Habitual Use of Smartphones Alters Sleep Quality and Memory: Insights from a National Sample of Chinese Students. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2254.	1.2	8

#	ARTICLE	IF	CITATIONS
1047	Diurnal changes in perineuronal nets and parvalbumin neurons in the rat medial prefrontal cortex. <i>Brain Structure and Function</i> , 2021, 226, 1135-1153.	1.2	24
1048	Large-scale assessment of consistency in sleep stage scoring rules among multiple sleep centers using an interpretable machine learning algorithm. <i>Journal of Clinical Sleep Medicine</i> , 2021, 17, 159-166.	1.4	6
1049	An Extracellular Perspective on CNS Maturation: Perineuronal Nets and the Control of Plasticity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2434.	1.8	62
1051	Does Napping Enhance the Consolidation of Clinically Relevant Information? A Comparison of Individuals with Low and Elevated Depressive Symptoms. <i>Nature and Science of Sleep</i> , 2021, Volume 13, 141-152.	1.4	0
1052	Sleep Spindle Characteristics in Obstructive Sleep Apnea Syndrome (OSAS). <i>Frontiers in Neurology</i> , 2021, 12, 598632.	1.1	17
1053	Investigating the effect of a nap following experimental trauma on analogue PTSD symptoms. <i>Scientific Reports</i> , 2021, 11, 4710.	1.6	13
1055	No evidence for intra-individual correlations between sleep-mediated declarative memory consolidation and slow-wave sleep. <i>Sleep</i> , 2021, 44, .	0.6	14
1056	Consolidation and generalisation across sleep depend on individual EEG factors and sleep spindle density. <i>Neurobiology of Learning and Memory</i> , 2021, 179, 107384.	1.0	11
1057	EFFECT OF DIFFERENT TYPES OF SLEEP DEPRIVATION AND SLEEP RECOVERY ON SALIVARY PH. <i>Journal of Vocational Health Studies</i> , 2021, 4, 95.	0.1	0
1058	The effect of altering routine husbandry factors on sleep duration and memory consolidation in the horse. <i>Applied Animal Behaviour Science</i> , 2021, 236, 105229.	0.8	9
1061	Sleep Facilitates Problem Solving With No Additional Gain Through Targeted Memory Reactivation. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 645110.	1.0	2
1063	Memory consolidation and improvement by synaptic tagging and capture in recurrent neural networks. <i>Communications Biology</i> , 2021, 4, 275.	2.0	16
1064	Targeted memory reactivation in REM but not SWS selectively reduces arousal responses. <i>Communications Biology</i> , 2021, 4, 404.	2.0	16
1065	Socioeconomic Status Moderates the Impact of Emotional but not Physical Childhood Abuse on Women's Sleep. <i>Adversity and Resilience Science</i> , 2021, 2, 169-179.	1.2	7
1066	Slow oscillation-spindle coupling is negatively associated with emotional memory formation following stress. <i>European Journal of Neuroscience</i> , 2022, 55, 2632-2650.	1.2	9
1067	Sleep deprivation impairs molecular clearance from the human brain. <i>Brain</i> , 2021, 144, 863-874.	3.7	146
1068	Splitting sleep between the night and a daytime nap reduces homeostatic sleep pressure and enhances long-term memory. <i>Scientific Reports</i> , 2021, 11, 5275.	1.6	18
1069	Occipital sleep spindles predict sequence learning in a visuo-motor task. <i>Sleep</i> , 2021, 44, .	0.6	7

#	ARTICLE	IF	CITATIONS
1070	The why and how of sleep-dependent synaptic down-selection. <i>Seminars in Cell and Developmental Biology</i> , 2022, 125, 91-100.	2.3	28
1071	Bi-Temporal Anodal Transcranial Direct Current Stimulation during Slow-Wave Sleep Boosts Slow-Wave Density but Not Memory Consolidation. <i>Brain Sciences</i> , 2021, 11, 410.	1.1	5
1072	Effects of Spatial Memory Processing on Hippocampal Ripples. <i>Frontiers in Neurology</i> , 2021, 12, 620670.	1.1	9
1073	A Randomized, Double-Blind, Placebo-Controlled Trial of a Polyphenol Botanical Blend on Sleep and Daytime Functioning. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3044.	1.2	11
1074	Sleep Spindles Preferentially Consolidate Weakly Encoded Memories. <i>Journal of Neuroscience</i> , 2021, 41, 4088-4099.	1.7	56
1075	Sleep and incubation: using problem reactivation during sleep to study forgetting fixation and unconscious processing during sleep incubation. <i>Journal of Cognitive Psychology</i> , 2021, 33, 738-756.	0.4	4
1076	Sleep parameters improvement in PTSD soldiers after symptoms remission. <i>Scientific Reports</i> , 2021, 11, 8873.	1.6	5
1078	Relationship Between Major Depression Symptom Severity and Sleep Collected Using a Wristband Wearable Device: Multicenter Longitudinal Observational Study. <i>JMIR MHealth and UHealth</i> , 2021, 9, e24604.	1.8	35
1079	Post-Training Sleep Modulates Topographical Relearning-Dependent Resting State Activity. <i>Brain Sciences</i> , 2021, 11, 476.	1.1	6
1080	Gender-specified mediation of depression between sleep quality and short-term memory in older adults: Study in a semi-enclosed Island of Xiamen, China. <i>International Journal of Geriatric Psychiatry</i> , 2021, 36, 1514-1523.	1.3	2
1081	Cortical monitoring of cardiac activity during rapid eye movement sleep: the heartbeat evoked potential in phasic and tonic rapid-eye-movement microstates. <i>Sleep</i> , 2021, 44, .	0.6	9
1082	The different roles of sleep on false memory formation between young and older adults. <i>Psychological Research</i> , 2022, 86, 443-451.	1.0	4
1084	Role of corpus callosum in sleep spindle synchronization and coupling with slow waves. <i>Brain Communications</i> , 2021, 3, fcab108.	1.5	6
1085	Rapid eye movement sleep deprivation impairs neuronal plasticity and reduces hippocampal neuronal arborization in male albino rats: Noradrenaline is involved in the process. <i>Journal of Neuroscience Research</i> , 2021, 99, 1815-1834.	1.3	14
1086	Specific changes in sleep oscillations after blocking human metabotropic glutamate receptor 5 in the absence of altered memory function. <i>Journal of Psychopharmacology</i> , 2021, 35, 652-667.	2.0	4
1087	Cell-Type-Specific Dynamics of Calcium Activity in Cortical Circuits over the Course of Slow-Wave Sleep and Rapid Eye Movement Sleep. <i>Journal of Neuroscience</i> , 2021, 41, 4212-4222.	1.7	29
1088	Medial Prefrontal Cortex Has a Causal Role in Selectively Enhanced Consolidation of Emotional Memories after a 24-Hour Delay: A TBS Study. <i>Journal of Neuroscience</i> , 2021, 41, 6273-6280.	1.7	2
1090	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

#	ARTICLE	IF	CITATIONS
1091	Abnormally abrupt transitions from sleep-to-wake in Huntingtonâ€™s disease sheep (<i>Ovis aries</i>) are revealed by automated analysis of sleep/wake transition dynamics. <i>PLoS ONE</i> , 2021, 16, e0251767.	1.1	11
1093	Net decrease in spine-surface GluA1-containing AMPA receptors after post-learning sleep in the adult mouse cortex. <i>Nature Communications</i> , 2021, 12, 2881.	5.8	29
1095	Sleep as a window on the sensorimotor foundations of the developing hippocampus. <i>Hippocampus</i> , 2022, 32, 89-97.	0.9	10
1096	Sleep and Memory Consolidation Dysfunction in Psychiatric Disorders: Evidence for the Involvement of Extracellular Matrix Molecules. <i>Frontiers in Neuroscience</i> , 2021, 15, 646678.	1.4	11
1097	Endogenous memory reactivation during sleep in humans is clocked by slow oscillation-spindle complexes. <i>Nature Communications</i> , 2021, 12, 3112.	5.8	71
1098	Effects of obstructive sleep apnea on human spatial navigational memory processing in cognitively normal older individuals. <i>Journal of Clinical Sleep Medicine</i> , 2021, 17, 939-948.	1.4	8
1099	Intranasal insulin and orexins to treat age-related cognitive decline. <i>Physiology and Behavior</i> , 2021, 234, 113370.	1.0	15
1100	Oral Administration of <i>Armillaria mellea</i> Mycelia Promotes Non-Rapid Eye Movement and Rapid Eye Movement Sleep in Rats. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 371.	1.5	4
1101	Electrophysiological indicators of sleep-associated memory consolidation in 5â€•to 6â€•year-old children. <i>Psychophysiology</i> , 2021, 58, e13829.	1.2	9
1102	Gibbon sleep quantified: the influence of lunar phase and meteorological variables on activity in <i>Hylobates moloch</i> and <i>Hylobates pileatus</i> . <i>Primates</i> , 2021, 62, 749-759.	0.7	5
1103	The Journal of Neuroscience's 40th Anniversary: Looking Back, Looking Forward. <i>Journal of Neuroscience</i> , 2021, 41, 4949-4953.	1.7	0
1104	Sleep quality and outcome of exposure therapy in adults with social anxiety disorder. <i>Depression and Anxiety</i> , 2021, 38, 1182-1190.	2.0	6
1105	Automated scoring of pre-REM sleep in mice with deep learning. <i>Scientific Reports</i> , 2021, 11, 12245.	1.6	9
1106	Differential effect of sleep deprivation on place cell representations, sleep architecture, and memory in young and old mice. <i>Cell Reports</i> , 2021, 35, 109234.	2.9	17
1107	Brain connectivity alterations during sleep by closed-loop transcranial neurostimulation predict metamemory sensitivity. <i>Network Neuroscience</i> , 2021, 5, 1-23.	1.4	1
1108	The Importance of Diagnosing and the Clinical Potential of Treating Obstructive Sleep Apnea to Delay Mild Cognitive Impairment and Alzheimerâ€™s Disease: A Special Focus on Cognitive Performance. <i>Journal of Alzheimer's Disease Reports</i> , 2021, 5, 515-533.	1.2	15
1109	Le sommeil dans les cancers non cÃ©rÃ©braux: revue de la littÃ©rature, mÃ©canismes potentiels et perspectives pour mieux comprendre les troubles cognitifs associÃ©s. <i>MÃ©decine Du Sommeil</i> , 2021, 18, 90-103.	0.3	4
1110	Altered Sleep-Related Consolidation and Neurocognitive Comorbidity in CECTS. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 563807.	1.0	2

#	ARTICLE	IF	CITATIONS
1111	Local field potentials identify features of cortico-hippocampal communication impacted by stroke and environmental enrichment therapy. <i>Journal of Neural Engineering</i> , 2021, 18, 0460a1.	1.8	7
1112	Sleep's short-term memory preservation and long-term affect depotentiation effect in emotional memory consolidation: behavioral and EEG evidence. <i>Sleep</i> , 2021, 44, .	0.6	7
1113	The Prospective Sleeping Brain: Age-Related Differences in Episodic Future Thinking and Frontal Sleep Spindles. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 1287-1294.	1.1	5
1114	From incidental learning to explicit memory: The role of sleep after exposure to a serial reaction time task. <i>Acta Psychologica</i> , 2021, 217, 103325.	0.7	3
1115	Cortical Responses to Vagus Nerve Stimulation Are Modulated by Brain State in Nonhuman Primates. <i>Cerebral Cortex</i> , 2021, 31, 5289-5307.	1.6	7
1116	Nighttime sleep benefits the prospective component of prospective memory. <i>Memory and Cognition</i> , 2021, 49, 1690-1704.	0.9	1
1117	Benzodiazepines and Sleep Architecture: A Systematic Review. <i>CNS and Neurological Disorders - Drug Targets</i> , 2023, 22, 172-179.	0.8	33
1118	Bedtime Music, Involuntary Musical Imagery, and Sleep. <i>Psychological Science</i> , 2021, 32, 985-997.	1.8	10
1119	Aspects of tree shrew consolidated sleep structure resemble human sleep. <i>Communications Biology</i> , 2021, 4, 722.	2.0	10
1120	A Daytime Nap Does Not Enhance the Retention of a First-Order or Second-Order Motor Sequence. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 659281.	1.0	1
1121	Side- and similarity-biases during confidence conformity. <i>PLoS ONE</i> , 2021, 16, e0253577.	1.1	1
1122	Does Sleep Selectively Strengthen Certain Memories Over Others Based on Emotion and Perceived Future Relevance?. <i>Nature and Science of Sleep</i> , 2021, Volume 13, 1257-1306.	1.4	28
1124	Theta-gamma coupling during REM sleep depends on breathing rate. <i>Sleep</i> , 2021, 44, .	0.6	19
1125	REM Sleep Deprivation Impairs Learning and Memory by Decreasing Brain O-GlcNAc Cycling in Mouse. <i>Neurotherapeutics</i> , 2021, 18, 2504-2517.	2.1	19
1126	Memory consolidation as an adaptive process. <i>Psychonomic Bulletin and Review</i> , 2021, 28, 1796-1810.	1.4	48
1127	Sounding It Out: Auditory Stimulation and Overnight Memory Processing. <i>Current Sleep Medicine Reports</i> , 2021, 7, 112-119.	0.7	12
1128	Reward biases spontaneous neural reactivation during sleep. <i>Nature Communications</i> , 2021, 12, 4162.	5.8	36
1129	Violation of rhythmic expectancies can elicit late frontal gamma activity nested in theta oscillations. <i>Psychophysiology</i> , 2021, 58, e13909.	1.2	4

#	ARTICLE	IF	CITATIONS
1130	Real-Time Excitation of Slow Oscillations during Deep Sleep Using Acoustic Stimulation. <i>Sensors</i> , 2021, 21, 5169.	2.1	5
1131	Cross-Lagged Relationships Between Insomnia and Posttraumatic Stress Disorder in Treatment-Receiving Veterans. <i>Behavior Therapy</i> , 2021, 52, 982-994.	1.3	17
1132	Mutual Interactions between Brain States and Alzheimer's Disease Pathology: A Focus on Gamma and Slow Oscillations. <i>Biology</i> , 2021, 10, 707.	1.3	16
1133	A Fish Memory Tale. , 2021, , 140-173.		0
1134	Alzheimer's Disease and Oral-Systemic Health: Bidirectional Care Integration Improving Outcomes. <i>Frontiers in Oral Health</i> , 2021, 2, 674329.	1.2	2
1135	The effects of white noise on sleep and duration in individuals living in a high noise environment in New York City. <i>Sleep Medicine</i> , 2021, 83, 256-259.	0.8	12
1136	Twitches emerge postnatally during quiet sleep in human infants and are synchronized with sleep spindles. <i>Current Biology</i> , 2021, 31, 3426-3432.e4.	1.8	25
1137	Well-Being of Adolescents in De-Escalation Situation: Physical, Emotional, Social, and Academic Impact. <i>Frontiers in Psychology</i> , 2021, 12, 646027.	1.1	7
1138	Are Sleep Complaints Related to Cognitive Functioning in Non-Central Nervous System Cancer? A Systematic Review. <i>Neuropsychology Review</i> , 2022, 32, 483-505.	2.5	7
1139	Neuromodulation by means of phase-locked auditory stimulation affects key marker of excitability and connectivity during sleep. <i>Sleep</i> , 2021, , .	0.6	4
1140	Examining the effects of time of day and sleep on generalization. <i>PLoS ONE</i> , 2021, 16, e0255423.	1.1	7
1141	Dysfunctional Overnight Memory Consolidation in Patients with Schizophrenia in Comparison to Healthy Controls: Disturbed Slow-Wave Sleep as Contributing Factor?. <i>Neuropsychobiology</i> , 2022, 81, 104-115.	0.9	5
1142	Prevalence of child maltreatment in India and its association with gender, urbanisation and policy: a rapid review and meta-analysis protocol. <i>BMJ Open</i> , 2021, 11, e044983.	0.8	3
1143	The Overnight Retention of Novel Metaphors Associates With Slow Oscillation's Spindle Coupling but Not With Respiratory Phase at Encoding. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 712774.	1.0	4
1144	Replay in Deep Learning: Current Approaches and Missing Biological Elements. <i>Neural Computation</i> , 2021, 33, 1-44.	1.3	32
1145	Hypnotic Suggestions Increase Slow-Wave Parameters but Decrease Slow-Wave Spindle Coupling. <i>Nature and Science of Sleep</i> , 2021, Volume 13, 1383-1393.	1.4	4
1146	Sleep and conditioning of the siphon withdrawal reflex in <i>Aplysia</i> . <i>Journal of Experimental Biology</i> , 2021, 224, .	0.8	1
1147	A systematic review and meta-analysis of individual differences in naturalistic sleep quality and episodic memory performance in young and older adults. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 127, 675-688.	2.9	28

#	ARTICLE	IF	CITATIONS
1148	Aperiodic sleep networks promote memory consolidation. <i>Trends in Cognitive Sciences</i> , 2021, 25, 648-659.	4.0	33
1149	Time-dependent transformations of memory representations differ along the long axis of the hippocampus. <i>Learning and Memory</i> , 2021, 28, 329-340.	0.5	9
1150	Aging of the Suprachiasmatic Nucleus, CIRCLONSA Syndrome, Implications for Regenerative Medicine and Restoration of the Master Body Clock. <i>Rejuvenation Research</i> , 2021, 24, 274-282.	0.9	2
1151	Sleep Enhances Consolidation of Memory Traces for Complex Problem-Solving Skills. <i>Cerebral Cortex</i> , 2022, 32, 653-667.	1.6	10
1152	Sleep: Twitch in tempo. <i>Current Biology</i> , 2021, 31, R953-R954.	1.8	0
1153	Effects of age differences in memory formation on neural mechanisms of consolidation and retrieval. <i>Seminars in Cell and Developmental Biology</i> , 2021, 116, 135-145.	2.3	9
1155	An intracerebroventricular injection of amyloid-beta peptide (1 α -42) aggregates modifies daily temporal organization of clock factors expression, protein carbonyls and antioxidant enzymes in the rat hippocampus. <i>Brain Research</i> , 2021, 1767, 147449.	1.1	5
1156	Nocturnal Brain Activity Differs with Age and Sex: Comparisons of Sleep EEG Power Spectra Between Young and Elderly Men, and Between 60 α -80-Year-Old Men and Women. <i>Nature and Science of Sleep</i> , 2021, Volume 13, 1611-1630.	1.4	2
1157	Ageing α -related changes in nap neurooscillatory activity are mediated and moderated by grey matter volume. <i>European Journal of Neuroscience</i> , 2021, 54, 7332-7354.	1.2	7
1160	Optimal input for language development: Tailor nurture to nature. <i>Infant and Child Development</i> , 0, , e2269.	0.9	1
1161	No benefit of auditory closed-loop stimulation on memory for semantically-incongruent associations. <i>Neurobiology of Learning and Memory</i> , 2021, 183, 107482.	1.0	9
1162	Abnormal hippocampal substructure volume in insomnia disorder. <i>Brain Imaging and Behavior</i> , 2022, 16, 672-679.	1.1	5
1163	The circadian rest-activity pattern predicts cognitive decline among mild-moderate Alzheimer α 's disease patients. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 161.	3.0	15
1165	Impacts of Prolonged Online Learning Practice during COVID-19 Epidemic on Body Functions and Wellbeing: A Review Article. <i>Journal of Medical Science</i> , 0, , e522.	0.2	5
1166	Cognitive Impairment and Obstructive Sleep Apnea. , 0, , .		2
1167	The Engram α 's Dark Horse: How Interneurons Regulate State-Dependent Memory Processing and Plasticity. <i>Frontiers in Neural Circuits</i> , 2021, 15, 750541.	1.4	8
1168	Metabolic Disturbances Induced by Sleep Restriction as Potential Triggers for Alzheimer α 's Disease. <i>Frontiers in Integrative Neuroscience</i> , 2021, 15, 722523.	1.0	5
1169	Memory Deficit in Patients With Temporal Lobe Epilepsy: Evidence From Eye Tracking Technology. <i>Frontiers in Neuroscience</i> , 2021, 15, 716476.	1.4	7

#	ARTICLE	IF	CITATIONS
1170	Coupling between motor cortex and striatum increases during sleep over long-term skill learning. <i>ELife</i> , 2021, 10, .	2.8	22
1173	Pre-sleep social media use does not strongly disturb sleep: a sleep laboratory study in healthy young participants. <i>Sleep Medicine</i> , 2021, 87, 191-202.	0.8	14
1174	Timing storytime to maximize children's ability to retain new vocabulary. <i>Journal of Experimental Child Psychology</i> , 2021, 210, 105207.	0.7	8
1175	Brain glycogen metabolism: A possible link between sleep disturbances, headache and depression. <i>Sleep Medicine Reviews</i> , 2021, 59, 101449.	3.8	20
1176	Sleep and fear conditioning, extinction learning and extinction recall: A systematic review and meta-analysis of polysomnographic findings. <i>Sleep Medicine Reviews</i> , 2021, 59, 101501.	3.8	22
1177	Positive and neutral updating reconsolidate aversive episodic memories via different routes. <i>Neurobiology of Learning and Memory</i> , 2021, 184, 107500.	1.0	3
1178	Sleep spindle activity correlates with implicit statistical learning consolidation in untreated obstructive sleep apnea patients. <i>Sleep Medicine</i> , 2021, 86, 126-134.	0.8	9
1179	Sleep disturbance induces depressive behaviors and neuroinflammation by altering the circadian oscillations of clock genes in rats. <i>Neuroscience Research</i> , 2021, 171, 124-132.	1.0	14
1180	Memory decay distinguishes subtypes of gist. <i>Neurobiology of Learning and Memory</i> , 2021, 185, 107519.	1.0	5
1181	<i>Withania somnifera</i> (L.) Dunal (Ashwagandha): A comprehensive review on ethnopharmacology, pharmacotherapeutics, biomedical and toxicological aspects. <i>Biomedicine and Pharmacotherapy</i> , 2021, 143, 112175.	2.5	77
1182	Stability of neural encoding moderates the contribution of sleep and repeated testing to memory consolidation. <i>Neurobiology of Learning and Memory</i> , 2021, 185, 107529.	1.0	3
1183	Chaos in memory function of sleep: A nonlinear dynamical analysis in thalamocortical study. <i>Journal of Theoretical Biology</i> , 2021, 528, 110837.	0.8	7
1184	The role of sleep disturbance and inflammation for spatial memory. <i>Brain, Behavior, & Immunity - Health</i> , 2021, 17, 100333.	1.3	6
1185	Long term effects of cueing procedural memory reactivation during NREM sleep. <i>NeuroImage</i> , 2021, 244, 118573.	2.1	21
1186	<i>Behavioral Studies in Drosophila Models of Human Diseases.</i> , 2022, , 13-23.		2
1187	<i>Aging and Cognition.</i> , 2022, , 17-25.		0
1188	Good Sleep as an Important Pillar for a Healthy Life. <i>University of Tehran Science and Humanities Series</i> , 2021, , 167-195.	0.1	1
1189	Modifiable Comorbidities Associated with Cognitive Decline in Parkinson's Disease. <i>Movement Disorders Clinical Practice</i> , 2021, 8, 254-263.	0.8	5

#	ARTICLE	IF	CITATIONS
1190	How Change Adaptability Helps in Times of Pandemic and can be Enhanced in Remote Environment. International Journal of Management, Knowledge and Learning, 0, , 97-107.	0.5	0
1191	Discovering the Neuroanatomical Correlates of Music with Machine Learning. , 2021, , 117-161.		1
1192	A deep sleep stage in <i>Drosophila</i> with a functional role in waste clearance. Science Advances, 2021, 7, .	4.7	51
1193	Sedation; Is it Sleep, Is it Amnesia, What's the Difference?. , 2021, , 223-245.		0
1194	Sleep and Metabolism: Implication of Lateral Hypothalamic Neurons. Frontiers of Neurology and Neuroscience, 2021, 45, 75-90.	3.0	11
1195	Effects of Sleep Deprivation and Experience on Sleep Characteristics and Memory Formation Based on EEG Analysis. , 2021, , 1-13.		0
1196	The effect of napping and nighttime sleep on memory in infants. Advances in Child Development and Behavior, 2021, 60, 31-56.	0.7	1
1197	The association between sleep-wake ratio and overnight picture recognition is moderated by BDNF genotype. Neurobiology of Learning and Memory, 2021, 177, 107353.	1.0	4
1198	Assessing health literacy in rhinologic patients. International Forum of Allergy and Rhinology, 2021, 11, 818-821.	1.5	7
1199	Cellular Mechanisms of Thalamocortical Oscillations in the Sleeping Brain. , 2020, , 119-170.		3
1200	A Role for Neuronal Oscillations of Sleep in Memory and Cognition. , 2020, , 199-222.		1
1201	How Sleep Shapes Emotion Regulation. , 2019, , 83-97.		3
1203	Electric Stimulation to Improve Memory Consolidation During Sleep. Studies in Neuroscience, Psychology and Behavioral Economics, 2017, , 301-312.	0.1	7
1204	Scents and Reminiscence: Olfactory Influences on Memory Consolidation in the Sleeping Human Brain. Studies in Neuroscience, Psychology and Behavioral Economics, 2017, , 335-346.	0.1	4
1205	Emotional Memory Consolidation During Sleep. Studies in Neuroscience, Psychology and Behavioral Economics, 2017, , 133-159.	0.1	10
1207	A Duty to Remember, a Right to Forget? Memory Manipulations and the Law. , 2015, , 1279-1307.		4
1208	What Is the Importance of Abnormal <i>â€œBackgroundâ€</i> Activity in Seizure Generation?. Advances in Experimental Medicine and Biology, 2014, 813, 43-54.	0.8	14
1209	Sleep Effects on Cognition with Aging. , 2016, , 1-9.		1

#	ARTICLE	IF	CITATIONS
1210	The sleep and circadian problems of Huntington's disease: when, why and their importance. <i>Journal of Neurology</i> , 2021, 268, 2275-2283.	1.8	20
1211	Training Enhances Fidelity of Color Representations in Visual Long-Term Memory. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , 2019, 3, 315-327.	0.8	7
1212	Evolution of sleep in relation to memory – a bird's brain view. <i>Current Opinion in Behavioral Sciences</i> , 2020, 33, 78-85.	2.0	5
1213	Sleep's role in memory reconsolidation. <i>Current Opinion in Behavioral Sciences</i> , 2020, 33, 132-137.	2.0	5
1214	No evidence for an effect of explicit relevance instruction on consolidation of associative memories. <i>Neuropsychologia</i> , 2020, 143, 107491.	0.7	10
1215	Deepened sleep makes hippocampal spatial memory more persistent. <i>Neurobiology of Learning and Memory</i> , 2020, 173, 107245.	1.0	8
1216	Taking an engineer's view: Implications of network analysis for computational psychiatry. <i>Behavioral and Brain Sciences</i> , 2019, 42, e24.	0.4	7
1218	Sleep Early After Trauma. <i>European Psychologist</i> , 2020, 25, 239-251.	1.8	11
1219	Ventromedial prefrontal theta activity during rapid eye movement sleep is associated with improved decision-making on the Iowa Gambling Task.. <i>Behavioral Neuroscience</i> , 2016, 130, 271-280.	0.6	26
1220	Short-term total sleep deprivation alters delay-conditioned memory in the rat.. <i>Behavioral Neuroscience</i> , 2016, 130, 325-335.	0.6	26
1221	Promoting memory consolidation during sleep: A meta-analysis of targeted memory reactivation.. <i>Psychological Bulletin</i> , 2020, 146, 218-244.	5.5	134
1222	Sleep reduces the testing effect" But not after corrective feedback and prolonged retention interval.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2019, 45, 272-287.	0.7	19
1223	Investigating the formation and consolidation of incidentally learned trust.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2020, 46, 684-698.	0.7	10
1224	Suppression-induced forgetting diminishes following a delay of either sleep or wake. <i>Journal of Cognitive Psychology</i> , 2020, 32, 4-26.	0.4	11
1225	Memory performance following napping in habitual and non-habitual nappers. <i>Sleep</i> , 2021, 44, .	0.6	14
1226	A split sleep schedule rescues short-term topographical memory after multiple nights of sleep restriction. <i>Sleep</i> , 2019, 42, .	0.6	21
1227	The evolving view of replay and its functions in wake and sleep. <i>SLEEP Advances</i> , 2020, 1, zpab002.	0.1	28
1228	Sleep in disorders of consciousness: diagnostic, prognostic, and therapeutic considerations. <i>Current Opinion in Neurology</i> , 2020, 33, 684-690.	1.8	10

#	ARTICLE	IF	CITATIONS
1258	Physiological effects of railway vibration and noise on sleep. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 3262-3269.	0.5	29
1259	Recent advances in understanding the roles of hypocretin/orexin in arousal, affect, and motivation. <i>F1000Research</i> , 2018, 7, 1421.	0.8	39
1260	NREM2 and Sleep Spindles Are Instrumental to the Consolidation of Motor Sequence Memories. <i>PLoS Biology</i> , 2016, 14, e1002429.	2.6	89
1261	A Thalamocortical Neural Mass Model of the EEG during NREM Sleep and Its Response to Auditory Stimulation. <i>PLoS Computational Biology</i> , 2016, 12, e1005022.	1.5	29
1262	Selection for long and short sleep duration in <i>Drosophila melanogaster</i> reveals the complex genetic network underlying natural variation in sleep. <i>PLoS Genetics</i> , 2017, 13, e1007098.	1.5	43
1263	Sleep Improves Prospective Remembering by Facilitating Spontaneous-Associative Retrieval Processes. <i>PLoS ONE</i> , 2013, 8, e77621.	1.1	41
1264	Comparing the Effects of Nocturnal Sleep and Daytime Napping on Declarative Memory Consolidation. <i>PLoS ONE</i> , 2014, 9, e108100.	1.1	38
1265	The Relationship between Brain Morphology and Polysomnography in Healthy Good Sleepers. <i>PLoS ONE</i> , 2014, 9, e109336.	1.1	10
1266	Sleep Supports Memory of Odors in Adults but Not in Children. <i>PLoS ONE</i> , 2015, 10, e0139069.	1.1	7
1267	Coupling of Thalamocortical Sleep Oscillations Are Important for Memory Consolidation in Humans. <i>PLoS ONE</i> , 2015, 10, e0144720.	1.1	113
1268	Does Sleep Improve Your Grammar? Preferential Consolidation of Arbitrary Components of New Linguistic Knowledge. <i>PLoS ONE</i> , 2016, 11, e0152489.	1.1	32
1269	Sleep-Driven Computations in Speech Processing. <i>PLoS ONE</i> , 2017, 12, e0169538.	1.1	11
1270	Long-term effects of interference on short-term memory performance in the rat. <i>PLoS ONE</i> , 2017, 12, e0173834.	1.1	3
1271	Circadian Rhythms of Perineuronal Net Composition. <i>ENeuro</i> , 2020, 7, ENEURO.0034-19.2020.	0.9	38
1272	Sleep Deprivation Disrupts Acquisition of Contextual Fear Extinction by Affecting Circadian Oscillation of Hippocampal-Infralimbic proBDNF. <i>ENeuro</i> , 2019, 6, ENEURO.0165-19.2019.	0.9	20
1273	Up-Down-Like Background Spiking Can Enhance Neural Information Transmission. <i>ENeuro</i> , 2017, 4, ENEURO.0282-17.2017.	0.9	8
1274	Closed-Loop Acoustic Stimulation Enhances Sleep Oscillations But Not Memory Performance. <i>ENeuro</i> , 2019, 6, ENEURO.0306-19.2019.	0.9	55
1275	Arousal State-Dependent Alterations in VTA-GABAergic Neuronal Activity. <i>ENeuro</i> , 2020, 7, ENEURO.0356-19.2020.	0.9	22

#	ARTICLE	IF	CITATIONS
1276	Circadian and Brain State Modulation of Network Hyperexcitability in Alzheimer's Disease. <i>ENeuro</i> , 2018, 5, ENEURO.0426-17.2018.	0.9	33
1277	Improvement of Slow Wave Sleep Continuity by Mattress with Better Body Pressure Dispersal. <i>Sleep Medicine Research</i> , 2019, 10, 75-82.	0.2	3
1279	Potential use of actigraphy to measure sleep in monkeys: comparison with behavioral analysis from videography. <i>Zoological Research</i> , 2020, 41, 437-443.	0.9	10
1280	Effects of Cholinergic Neuromodulation on Thalamocortical Rhythms During NREM Sleep: A Model Study. <i>Frontiers in Computational Neuroscience</i> , 2019, 13, 100.	1.2	4
1281	Sleep for cognitive enhancement. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 46.	1.2	115
1282	Enhancement of sleep slow waves: underlying mechanisms and practical consequences. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 208.	1.2	179
1283	Nootropic efficacy of Satvavajaya Chikitsa and Ayurvedic drug therapy: A comparative clinical exposition. <i>International Journal of Yoga</i> , 2015, 8, 109.	0.4	17
1284	Disciplined sleep for healthy living: Role of noradrenaline. <i>World Journal of Neurology</i> , 2017, 7, 6.	0.6	2
1285	The Relationship between Sleep Habits and Mental Health in Iranian Elementary School Children. <i>Sleep Science</i> , 2019, 12, 94-99.	0.4	6
1286	Sleep deprivation enhances false memory on the Deese-Roediger-McDermott (DRM) task. <i>Psychological Thought</i> , 2019, 12, 120-130.	0.1	2
1287	A single pair of neurons links sleep to memory consolidation in <i>Drosophila melanogaster</i> . <i>ELife</i> , 2015, 4, .	2.8	133
1288	Frontal beta-theta network during REM sleep. <i>ELife</i> , 2017, 6, .	2.8	48
1289	Network-wide reorganization of procedural memory during NREM sleep revealed by fMRI. <i>ELife</i> , 2017, 6, .	2.8	57
1290	Shifting memories. <i>ELife</i> , 2017, 6, .	2.8	1
1291	Acute control of the sleep switch in <i>Drosophila</i> reveals a role for gap junctions in regulating behavioral responsiveness. <i>ELife</i> , 2018, 7, .	2.8	32
1292	Thalamic reticular control of local sleep in mouse sensory cortex. <i>ELife</i> , 2018, 7, .	2.8	79
1293	Odor-evoked category reactivation in human ventromedial prefrontal cortex during sleep promotes memory consolidation. <i>ELife</i> , 2018, 7, .	2.8	44
1294	Promoting subjective preferences in simple economic choices during nap. <i>ELife</i> , 2018, 7, .	2.8	14

#	ARTICLE	IF	CITATIONS
1295	Sub-second dynamics of theta-gamma coupling in hippocampal CA1. <i>ELife</i> , 2019, 8, .	2.8	29
1296	GABA neurons in the ventral tegmental area regulate non-rapid eye movement sleep in mice. <i>ELife</i> , 2019, 8, .	2.8	53
1297	Can sleep protect memories from catastrophic forgetting?. <i>ELife</i> , 2020, 9, .	2.8	31
1298	State-dependent brainstem ensemble dynamics and their interactions with hippocampus across sleep states. <i>ELife</i> , 2020, 9, .	2.8	33
1299	Slow oscillation-spindle coupling predicts enhanced memory formation from childhood to adolescence. <i>ELife</i> , 2020, 9, .	2.8	86
1300	Dreaming with hippocampal damage. <i>ELife</i> , 2020, 9, .	2.8	21
1301	The Insomnia Plague in Fictional Macondo. , 2020, 24, .		1
1302	The Role of Sleep in Retention of New Words in Habitually and Non-Habitually Napping Children. <i>Brain Sciences</i> , 2021, 11, 1320.	1.1	5
1303	Prior Exposure and Toddlers's™ Sleep-Related Memory for Novel Words. <i>Brain Sciences</i> , 2021, 11, 1366.	1.1	2
1304	The influence of oxytocin-based interventions on sleep-wake and sleep-related behaviour and neurobiology: A systematic review of preclinical and clinical studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 131, 1005-1026.	2.9	9
1305	Acute and Chronic Exercise Effects on Human Memory: What We Know and Where to Go from Here. <i>Journal of Clinical Medicine</i> , 2021, 10, 4812.	1.0	18
1306	Wake after Sleep Onset Time Moderated Age-related Emotional Memory Bias. <i>Experimental Aging Research</i> , 2021, , 1-11.	0.6	1
1307	Enhancing sleep after training improves memory in down syndrome model mice. <i>Sleep</i> , 2021, , .	0.6	1
1308	Assessment of the cognitive functions in adult Egyptian patients with obstructive sleep apnea using the Montreal Cognitive Assessment: a retrospective large scale study. <i>Journal of Clinical Sleep Medicine</i> , 2021, , .	1.4	0
1309	Identification Performance During Quarantine by COVID-19 Pandemic: Influence of Emotional Variables and Sleep Quality. <i>Frontiers in Psychology</i> , 2021, 12, 691583.	1.1	0
1310	Ergonomic Comparison of Four Dental Workplace Concepts Using Inertial Motion Capture for Dentists and Dental Assistants. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10453.	1.2	7
1311	Closed-loop auditory stimulation method to modulate sleep slow waves and motor learning performance in rats. <i>ELife</i> , 2021, 10, .	2.8	14
1312	Prior sleep timing and visual recognition of emotional faces in 6-month-old infants. , 2021, 65, 101655.		2

#	ARTICLE	IF	CITATIONS
1313	Gedächtnisstörungen bei Schlafstörungen. , 2013, , 313-321.		0
1314	Viewpoint: What Brain Research Can Tell Us About Accent Modification. Perspectives on Communication Disorders and Sciences in Culturally and Linguistically Diverse Populations, 2013, 20, 101-108.	0.2	2
1316	Sleep Disordered Breathing in Parkinson's Disease. , 2015, , 93-106.		0
1318	Cognition and the Sleep-Wake Cycle in Parkinson's Disease. , 2015, , 183-194.		3
1320	The Memory Consolidation Function of Sleep. Advances in Psychology, 2015, 05, 199-206.	0.0	0
1321	Comment les intervalles temporels entre les répétitions d'une information en influencent-ils la mémorisation? Revue théorique des effets de pratique distribuée. Année Psychologique, 2015, 115, 435-462.	0.2	0
1322	Maternal Sleep Deprivation Alters Reproductive Capability of Male Offspring in Wistar Rats. Journal of Applied Life Sciences International, 2016, 9, 1-11.	0.2	0
1323	Seven Cognitive Secrets that Make You Smarter. , 2016, , 315-332.		0
1328	Formative Childhood from a Neurobiological Perspective. , 2017, , 215-224.		0
1329	Sleep Effects on Cognition with Aging. , 2017, , 2154-2162.		0
1330	Role of Sleep in Memory. Indian Journal of Sleep Medicine, 2017, 12, 12-14.	0.2	0
1331	Relationship between Night Sleep and Day Time Sleepiness, Activities of Daily Living, and Cognitive Status of Community Dwelling Elders. Egyptian Journal of Health Care, 2017, 8, 224-243.	0.0	0
1341	The Research Progress on Motivated Memory Inhibition: Think/No-Think Task. Advances in Psychology, 2018, 08, 147-154.	0.0	0
1342	Critically Discuss the Effects of Sleep on Long-Term Memory. Psychology, 2018, 09, 561-569.	0.3	0
1343	Learning-Induced Sequence Reactivation During Sharp-Wave Ripples: A Computational Study. Association for Women in Mathematics Series, 2018, , 173-204.	0.1	2
1344	One Neglected Yawning Function like Slow Wave Sleep: The Hypothetic Neurovascular Regulation from Mouth to Eye Driven by Expiration. Open Access Library Journal (oalib), 2018, 05, 1-10.	0.1	0
1345	The Impact of Targeted Memory Reactivation on Memory Consolidation: A Review. Advances in Psychology, 2018, 08, 203-211.	0.0	0
1353	Sleep problems and road accidents. Journal of Psychology & Clinical Psychiatry, 2018, 9, .	0.0	0

#	ARTICLE	IF	CITATIONS
1358	Letâ€™s replay. <i>ELife</i> , 2018, 7, .	2.8	2
1360	MÃ©moire et sommeil. , 2019, , 59-67.		0
1361	Zirkadiane Rhythmik und Schlaf. Springer-Lehrbuch, 2019, , 804-816.	0.1	0
1362	Activation of PPARÎ± Stimulates Hippocampal Neurogenesis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1364	The Distinctive Role of NREM and REM Sleep in the Consolidation of Fear Memory. , 2019, , 199-226.		2
1365	Setting Goals and Organising Your Studies Is Your Key to Your Success. , 2019, , 159-180.		0
1366	GedÃ©chniskonsolidierung im Schlaf. , 2019, , 135-145.		0
1370	Non-drug therapies for cognitive impairment. <i>Nevrologiya, Neiropsikhiatriya, Psikhosomatika</i> , 2019, 11, 68-77.	0.2	5
1387	Die normale Schlafphysiologie. , 2020, , 5-19.		0
1388	Contemporary Theories of Learning and Pedagogical Approaches for All Students to Achieve Success. <i>Advances in Higher Education and Professional Development Book Series</i> , 2020, , 20-37.	0.1	2
1389	Manipulating neural activity and sleep-dependent memory consolidation. <i>Neuroforum</i> , 2020, 26, 93-99.	0.2	1
1397	Overview of ageâ€related changes in psychomotor and cognitive functions in a prosimian primate, the gray mouse lemur (<i>Microcebus murinus</i>): Recent advances in risk factors and antiaging interventions. <i>American Journal of Primatology</i> , 2021, 83, e23337.	0.8	5
1398	The translational neuroscience of sleep: A contextual framework. <i>Science</i> , 2021, 374, 568-573.	6.0	59
1399	Associations of sleep measures with neural activations accompanying fear conditioning and extinction learning and memory in trauma-exposed individuals. <i>Sleep</i> , 2022, 45, .	0.6	10
1401	Differential Effects of a Nap on Motor Sequence Learning-Related Functional Connectivity Between Young and Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 747358.	1.7	18
1402	Sleep disorders in elementary school children with childhood apraxia of speech. <i>Somnologie</i> , 2022, 26, 12-21.	0.9	0
1404	Neuroimaging of Brain Oscillations During Human Sleep. , 2020, , 171-197.		0
1405	How do children with autism spectrum disorder form gist memory during sleep? A study of slow oscillationâ€spindle coupling. <i>Sleep</i> , 2021, 44, .	0.6	11

#	ARTICLE	IF	CITATIONS
1406	Weak closed-loop vibrational stimulation improves the depth of slow-wave sleep and declarative memory consolidation. <i>Sleep</i> , 2021, 44, .	0.6	6
1407	Effects of noise on sleep. , 2023, , 258-268.		1
1408	Memory for emotional images across sleep versus wake in school-aged children. <i>Journal of Experimental Child Psychology</i> , 2022, 214, 105308.	0.7	0
1409	Sleep and Development. <i>Health</i> , 2020, 12, 653-670.	0.1	0
1410	Sleep Oscillations and Aging. , 2020, , 223-247.		1
1411	Neuromodulation for Cognitive Disorders: In Search of Lazarus?. <i>Neurology India</i> , 2020, 68, 288.	0.2	0
1412	The role of sleep in the formation and updating of abstract mental representations. <i>Behavioral and Brain Sciences</i> , 2020, 43, e151.	0.4	0
1413	Why Do People Have Painful Feelings? An Evolutionary Tale of Misery and Woe. , 2020, , 301-317.		0
1414	On Learning the Geodesic Path for Incremental Learning. , 2021, , .		40
1417	Oleamide, a Sleep-Inducing Supplement, Upregulates Doublecortin in Hippocampal Progenitor Cells via PPAR α . <i>Journal of Alzheimer's Disease</i> , 2021, 84, 1747-1762.	1.2	3
1418	Future-relevant memories are not selectively strengthened during sleep. <i>PLoS ONE</i> , 2021, 16, e0258110.	1.1	9
1419	Effects of Sleep on Language and Motor Consolidation: Evidence of Domain General and Specific Mechanisms. <i>Neurobiology of Language (Cambridge, Mass)</i> , 2022, 3, 180-213.	1.7	2
1421	The Sleep-Wake System and Alzheimer's Disease. <i>Advances in Psychology, Mental Health, and Behavioral Studies</i> , 0, , 339-365.	0.1	0
1428	Slow wave activity moderates the association between new learning and traumatic brain injury severity. <i>Sleep</i> , 2021, 44, .	0.6	3
1430	Persoonlijkheidsstoornissen. , 2021, , 363-376.		1
1433	Can Slow-Wave Sleep Enhancement Improve Memory? A Review of Current Approaches and Cognitive Outcomes. <i>Yale Journal of Biology and Medicine</i> , 2019, 92, 63-80.	0.2	26
1434	REHABILITATING LANGUAGE DISORDERS BY IMPROVING SEQUENTIAL PROCESSING: A REVIEW. <i>The Journal of Macrotrends in Health and Medicine</i> , 2013, 1, 41-57.	0.0	0
1435	Components of normal human sleep. , 2022, , 1-12.		1

#	ARTICLE	IF	CITATIONS
1436	Disturbed Sleep in PTSD: Thinking Beyond Nightmares. <i>Frontiers in Psychiatry</i> , 2021, 12, 767760.	1.3	24
1437	Altered sleep spindles and slow waves during space shuttle missions. <i>Npj Microgravity</i> , 2021, 7, 48.	1.9	5
1438	Independent and combined associations between multiple lifestyle behaviours and academic grades of inner urban and peri-urban high school students: a cross-sectional study in Chongqing, China. <i>BMJ Open</i> , 2021, 11, e049508.	0.8	1
1439	G-protein coupled receptors and synaptic plasticity in sleep deprivation. <i>World Journal of Psychiatry</i> , 2021, 11, 954-980.	1.3	3
1441	Zolpidem Maintains Memories for Negative Emotions Across a Night of Sleep. <i>Affective Science</i> , 2022, 3, 389-399.	1.5	3
1443	Hippocampal neurons' cytosolic and membrane-bound ribosomal transcript profiles are differentially regulated by learning and subsequent sleep. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2108534118.	3.3	20
1445	Respiratory Effort Signal Based Sleep Apnea Detection System Using Improved Random Forest Classifier. <i>IETE Journal of Research</i> , 2023, 69, 6326-6339.	1.8	5
1446	Iterative Metaplasticity Across Timescales: How Circadian, Ultradian, and Infradian Rhythms Modulate Memory Mechanisms. <i>Journal of Biological Rhythms</i> , 2022, 37, 29-42.	1.4	2
1447	Stronger Associations Between Sleep and Mental Health in Adults with Autism: A UK Biobank Study. <i>Journal of Autism and Developmental Disorders</i> , 2023, 53, 1543-1559.	1.7	6
1449	The effects of Valerian on sleep spindles in a model of neuropathic pain. <i>Sleep Science</i> , 2021, 14, 133-139.	0.4	1
1450	Sleep problems and subjective cognitive complaints among middle-aged and older adults in 45 low- and middle-income countries. <i>Aging Clinical and Experimental Research</i> , 2022, , 1.	1.4	0
1451	A novel mechanism linking ferroptosis and endoplasmic reticulum stress via the circPtpn14/miR-351-5p/5-LOX signaling in melatonin-mediated treatment of traumatic brain injury. <i>Free Radical Biology and Medicine</i> , 2022, 178, 271-294.	1.3	44
1452	Age-related changes in sleep-dependent novel word consolidation. <i>Acta Psychologica</i> , 2022, 222, 103478.	0.7	1
1453	Comment les intervalles temporels entre les répétitions d'une information en influencent-ils la mémorisation? <i>Revue théorique des effets de pratique distribuée. Année Psychologique</i> , 2015, Vol. 115, 435-462.	0.2	0
1456	Brain reactivity to emotion persists in NREM sleep and is associated with individual dream recall. <i>Cerebral Cortex Communications</i> , 2022, 3, tgac003.	0.7	3
1457	Links between the brain and body during sleep: implications for memory processing. <i>Trends in Neurosciences</i> , 2022, 45, 212-223.	4.2	7
1458	Pretreatment with combined low-level laser therapy and methylene blue improves learning and memory in sleep-deprived mice. <i>Lasers in Medical Science</i> , 2022, 37, 2403-2412.	1.0	1
1460	Sleep-Dependent Facilitation of Visual Perceptual Learning Is Consistent with a Learning-Dependent Model. <i>Journal of Neuroscience</i> , 2022, 42, 1777-1790.	1.7	4

#	ARTICLE	IF	CITATIONS
1461	Genome-Wide Association Study and Genetic Correlation Scan Provide Insights into Its Genetic Architecture of Sleep Health Score in the UK Biobank Cohort. <i>Nature and Science of Sleep</i> , 2022, Volume 14, 1-12.	1.4	6
1463	Sign-free Biosemantics and Transcendental Phenomenology: a Better Non-Metaphysical Approach to Close the Mind-body Gap. <i>Biosemiotics</i> , 0, , 1.	0.8	0
1465	Simple statistical regularities presented during sleep are detected but not retained. <i>Neuropsychologia</i> , 2022, 164, 108106.	0.7	11
1466	The use of rodent models to better characterize the relationship among epilepsy, sleep, and memory. <i>Epilepsia</i> , 2022, 63, 525-536.	2.6	2
1467	Speak, memory: the postphenomenological analysis of memory-making in the age of algorithmically powered social networks. <i>Humanities and Social Sciences Communications</i> , 2022, 9, .	1.3	1
1468	Individual slow wave events give rise to macroscopic fMRI signatures and drive the strength of the BOLD signal in human resting-state EEG-fMRI recordings. <i>Cerebral Cortex</i> , 2022, 32, 4782-4796.	1.6	4
1469	REM Sleep Deprivation Alters Learning-Induced Cell Proliferation and Generation of Newborn Young Neurons in the Dentate Gyrus of the Dorsal Hippocampus. <i>ACS Chemical Neuroscience</i> , 2022, 13, 194-206.	1.7	4
1470	Roles for Sleep in Neural and Behavioral Plasticity: Reviewing Variation in the Consequences of Sleep Loss. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 777799.	1.0	14
1471	Order matters: sleep spindles contribute to memory consolidation only when followed by rapid-eye-movement sleep. <i>Sleep</i> , 2022, 45, .	0.6	11
1472	Stress dynamically reduces sleep depth: temporal proximity to the stressor is crucial. <i>Cerebral Cortex</i> , 2022, 33, 96-113.	1.6	8
1474	Boosting Recovery During Sleep by Means of Auditory Stimulation. <i>Frontiers in Neuroscience</i> , 2022, 16, 755958.	1.4	9
1475	Attitudinal Effects of Stimulus Co-occurrence and Stimulus Relations: Sleep Supports Propositional Learning Via Memory Consolidation. <i>Social Psychological and Personality Science</i> , 2023, 14, 51-59.	2.4	1
1476	Spacing learning units affects both learning and forgetting. <i>Trends in Neuroscience and Education</i> , 2022, 26, 100173.	1.5	4
1477	Sleep alterations are related to cognitive symptoms in Parkinson's disease: A 24-hour ambulatory polygraphic EEG study. <i>International Journal of Psychophysiology</i> , 2022, 173, 93-103.	0.5	6
1478	Evolution of cross-frequency coupling between endogenous oscillations over the temporal cortex in very premature neonates. <i>Cerebral Cortex</i> , 2022, 33, 278-289.	1.6	1
1480	Persistent, new-onset symptoms and mental health complaints in Long COVID in a Brazilian cohort of non-hospitalized patients. <i>BMC Infectious Diseases</i> , 2022, 22, 133.	1.3	41
1482	Associations between cortical activation and network interaction during sleep. <i>Behavioural Brain Research</i> , 2022, 422, 113751.	1.2	1
1483	Sleep in children with anxiety disorders. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
1484	Potential Uses of Mushrooms as Dietary Supplement to Enhance Memory. , 2022, , 387-402.		1
1485	Smartphone applications for sleep tracking: rating and perceptions about behavioral change among users. <i>Sleep Science</i> , 2022, 15, 65-73.	0.4	6
1486	Quality of sleep among clinical medical students of Bayero university, Kano, Nigeria. <i>Medical Journal of Dr D Y Patil Vidyapeeth</i> , 2022, .	0.0	1
1487	Psilocin acutely alters sleep-wake architecture and cortical brain activity in laboratory mice. <i>Translational Psychiatry</i> , 2022, 12, 77.	2.4	11
1488	No difference between slow oscillation upâ€•and downâ€•state cueing for memory consolidation during sleep. <i>Journal of Sleep Research</i> , 2022, 31, e13562.	1.7	6
1489	Transient Destabilization of Declarative Memoryâ€•Opposing Impact of Physical Exercise or Rest after Encoding in Typically Developing Children and Children with Attention Deficit Hyperactivity Disorder but No Difference after Subsequent Sleep. <i>Brain Sciences</i> , 2022, 12, 322.	1.1	2
1490	Sleep Homeostasis and Night Work: A Polysomnographic Study of Daytime Sleep Following Three Consecutive Simulated Night Shifts. <i>Nature and Science of Sleep</i> , 2022, Volume 14, 243-254.	1.4	0
1491	U-shaped association between sleep duration and subjective cognitive complaints in Chinese elderly: a cross-sectional study. <i>BMC Psychiatry</i> , 2022, 22, 147.	1.1	5
1492	Infant Sleep as a Cornerstone for Cognitive Development. <i>Policy Insights From the Behavioral and Brain Sciences</i> , 2022, 9, 104-110.	1.4	2
1493	Polysomnography-estimated sleep and the negative feedback loop of the hypothalamic-pituitary-adrenal (HPA) axis. <i>Psychoneuroendocrinology</i> , 2022, 141, 105749.	1.3	4
1494	Visuomotor Adaptation Modulates the Clustering of Sleep Spindles Into Trains. <i>Frontiers in Neuroscience</i> , 2022, 16, 803387.	1.4	3
1498	Automatized online prediction of slowâ€•wave peaks during nonâ€•rapid eye movement sleep in young and old individuals: Why we should not always rely on amplitude thresholds. <i>Journal of Sleep Research</i> , 2022, 31, e13584.	1.7	7
1499	COVID19 Pandemic and Physical Activity: An Observational Study on Sleep Quality and Anxiety. <i>Sports</i> , 2022, 10, 44.	0.7	3
1500	Association of physical activity and positive thinking with global sleep quality. <i>Scientific Reports</i> , 2022, 12, 3624.	1.6	0
1501	Classification of Sleep Stage with Biosignal Images Using Convolutional Neural Networks. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3028.	1.3	2
1503	Sleep Facilitates Extraction of Temporal Regularities With Varying Timescales. <i>Frontiers in Behavioral Neuroscience</i> , 2022, 16, 847083.	1.0	2
1504	Cross-Scale Dynamicity of Entropy and Connectivity in the Sleeping Brain. <i>Brain Connectivity</i> , 2022, 12, 835-845.	0.8	3
1505	Learning New Vocabulary Implicitly During Sleep Transfers With Cross-Modal Generalization Into Wakefulness. <i>Frontiers in Neuroscience</i> , 2022, 16, 801666.	1.4	7

#	ARTICLE	IF	CITATIONS
1506	Predicting non-response to multimodal day clinic treatment in severely impaired depressed patients: a machine learning approach. <i>Scientific Reports</i> , 2022, 12, 5455.	1.6	5
1507	Moe Kura: a longitudinal study of mother and child sleep and well-being in Aotearoa New Zealand. <i>Journal of the Royal Society of New Zealand</i> , 0, , 1-18.	1.0	4
1508	Biological underpinnings for lifelong learning machines. <i>Nature Machine Intelligence</i> , 2022, 4, 196-210.	8.3	62
1509	Consolidation of sleep-dependent appetitive memory is mediated by a sweet-sensing circuit. <i>Journal of Neuroscience</i> , 2022, , JN-RM-0106-22.	1.7	3
1510	A systematic scoping review of the effects of central nervous system active drugs on sleep spindles and sleep-dependent memory consolidation. <i>Sleep Medicine Reviews</i> , 2022, 62, 101605.	3.8	12
1511	The Role of Sleep in Cognitive Function: The Value of a Good Night's Rest. <i>Clinical EEG and Neuroscience</i> , 2023, 54, 12-20.	0.9	6
1512	The effect of slow-wave sleep and rapid eye-movement sleep interventions on glycaemic control: a systematic review and meta-analysis of randomised controlled trials. <i>Sleep Medicine</i> , 2022, 92, 50-58.	0.8	4
1513	Handling, task complexity, time-of-day, and sleep deprivation as dynamic modulators of recognition memory in mice. <i>Physiology and Behavior</i> , 2022, 251, 113803.	1.0	6
1514	Indirect Associations Between Self-Rated Alertness and Recall via Strategic and Nonstrategic Factors. <i>American Journal of Psychology</i> , 2022, 135, 45-57.	0.5	0
1515	Auditory deep sleep stimulation in older adults at home: a randomized crossover trial. <i>Communications Medicine</i> , 2022, 2, .	1.9	22
1516	Improvement of episodic memory retention by a memory reactivation intervention across the lifespan: from younger adults to amnesic patients. <i>Translational Psychiatry</i> , 2022, 12, 144.	2.4	2
1517	Two-stage Multi-task Learning for Automatic Sleep Staging Method. , 2021, , .		0
1518	The Effect of Overnight Consolidation on English Vowel Perception by Chinese Learners After High Speaker Variability Phonetic Training. , 2021, , .		0
1520	Competitive dynamics underlie cognitive improvements during sleep. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	8
1522	Mechanisms of the Rapid Effects of Ketamine on Depression and Sleep Disturbances: A Narrative Review. <i>Frontiers in Pharmacology</i> , 2021, 12, 782457.	1.6	12
1524	Sleep: Feeling awake while asleep. <i>Current Biology</i> , 2021, 31, R1578-R1580.	1.8	1
1526	Effets de l'espacement et de la répétition en contexte scolaire. <i>Neuroeducation</i> , 2021, 7, 13-19.	0.3	0
1527	Measures of differentiation and integration: One step closer to consciousness. <i>Behavioral and Brain Sciences</i> , 2022, 45, e54.	0.4	0

#	ARTICLE	IF	CITATIONS
1528	Sleep loss disrupts the neural signature of successful learning. <i>Cerebral Cortex</i> , 2023, 33, 1610-1625.	1.6	6
1529	Recent advances in memory consolidation and information processing during sleep. <i>Journal of Sleep Research</i> , 2022, 31, .	1.7	4
1530	Sleep: The Tip of the Iceberg in the Bidirectional Link Between Alzheimer's Disease and Epilepsy. <i>Frontiers in Neurology</i> , 2022, 13, 836292.	1.1	9
1531	SLEEP DURATION IN STUDENTS OF THE UNIVERSITY OFÂDEFENSE. <i>Military Medical Science Letters (Vojenske) Tj</i> ETQq1 1 0.784314 0.210	0.21	0
1533	The role of sleep for episodic memory consolidation: Stabilizing or rescuing?. <i>Neurobiology of Learning and Memory</i> , 2022, 191, 107621.	1.0	5
1556	Sleep deprivation prevents counterregulatory adaptation to recurrent hypoglycaemia. <i>Diabetologia</i> , 2022, 65, 1212-1221.	2.9	4
1557	Sleep loss impairs cognitive performance and alters song output in Australian magpies. <i>Scientific Reports</i> , 2022, 12, 6645.	1.6	15
1558	A Novel Theanine Complex, Mg-L-Theanine Improves Sleep Quality via Regulating Brain Electrochemical Activity. <i>Frontiers in Nutrition</i> , 2022, 9, 874254.	1.6	1
1560	Human Spindle Variability. <i>Journal of Neuroscience</i> , 2022, 42, 4517-4537.	1.7	6
1561	Downâ€phase auditory stimulation is not able to counteract pharmacologically or physiologically increased sleep depth in traumatic brain injury rats. <i>Journal of Sleep Research</i> , 2022, 31, .	1.7	4
1563	Constrained Life in a Multifarious Environment - A Closer Look at the Lives of Autistic College Students. , 2022, , .		0
1564	Detecting sleep outside the clinic using wearable heart rate devices. <i>Scientific Reports</i> , 2022, 12, 7956.	1.6	11
1565	Sleepâ€™Wake Disorders in Alzheimerâ€™s Disease: A Review. <i>ACS Chemical Neuroscience</i> , 2022, 13, 1467-1478. 1.7	1.7	15
1566	Paradoxical somatodendritic decoupling supports cortical plasticity during REM sleep. <i>Science</i> , 2022, 376, 724-730.	6.0	42
1567	Translational approaches to influence sleep and arousal. <i>Brain Research Bulletin</i> , 2022, 185, 140-161.	1.4	8
1568	Sleep spindles track cortical learning patterns for memory consolidation. <i>Current Biology</i> , 2022, 32, 2349-2356.e4.	1.8	23
1569	Cross-Frequency Slow Oscillationâ€™Spindle Coupling in a Biophysically Realistic Thalamocortical Neural Mass Model. <i>Frontiers in Computational Neuroscience</i> , 2022, 16, .	1.2	4
1570	Sleep enhances reconsolidation-based strengthening of visuospatial memories. <i>Scientific Reports</i> , 2022, 12, 7307.	1.6	1

#	ARTICLE	IF	CITATIONS
1571	Advanced sleep spindle identification with neural networks. <i>Scientific Reports</i> , 2022, 12, 7686.	1.6	13
1572	Sleep pattern in the dromedary camel: a behavioral and polysomnography study. <i>Sleep</i> , 2022, 45, .	0.6	8
1573	Age-related differences in problem-solving skills: Reduced benefit of sleep for memory trace consolidation. <i>Neurobiology of Aging</i> , 2022, 116, 55-66.	1.5	2
1574	Theta and gamma hippocampal-neocortical oscillations during the episodic-like memory test: Impairment in epileptogenic rats. <i>Experimental Neurology</i> , 2022, 354, 114110.	2.0	4
1575	The facilitation of learning and memory by sleep. , 2021, , .		0
1576	Brain states in freely behaving marmosets. <i>Sleep</i> , 2022, 45, .	0.6	4
1577	Relationship between insomnia and rest time between shifts among shift workers: A multicenter cross-sectional study. <i>Journal of Occupational Health</i> , 2022, 64, .	1.0	3
1579	Non-invasive brain stimulation and neuroenhancement. <i>Clinical Neurophysiology Practice</i> , 2022, 7, 146-165.	0.6	51
1580	Sleep Disturbances in Children with Attentional Deficit Hyperactivity Disorder and Specific Learning Disorders. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 6411.	1.2	1
1581	Sleep Knowledge, Beliefs and Practices in Youth Sports Coaches and Science Support Staff. <i>Journal of Kinesiology and Exercise Sciences</i> , 2022, 32, 21-28.	0.1	0
1582	Greater sleep variance related to decrements in memory performance and event-specific neural similarity: a racially/ethnically diverse lifespan sample. <i>Neurobiology of Aging</i> , 2022, 117, 33-43.	1.5	5
1583	Investigating Early Adolescent Sex Differences in Hippocampal and Amygdala Volumes, Sleep Quality and Psychological Distress. <i>Journal of Early Adolescence</i> , 2023, 43, 360-378.	1.1	1
1585	Sleep is Required for Odor Exposure to Consolidate Memory and Remodel Olfactory Synapses. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1586	Traumatic brain injury: Inter-relationship with sleep. , 2022, , 341-349.		0
1587	Sleep affects higher-level categorization of speech sounds, but not frequency encoding. <i>Cortex</i> , 2022, 154, 27-45.	1.1	2
1588	Sleep from acute to chronic traumatic brain injury and cognitive outcomes. <i>Sleep</i> , 2022, 45, .	0.6	6
1590	The Common Effects of Sleep Deprivation on Human Long-Term Memory and Cognitive Control Processes. <i>Frontiers in Neuroscience</i> , 2022, 16, .	1.4	11
1591	Paradoxical relationship between subjective and objective cognition: the role of sleep. <i>Journal of Clinical Sleep Medicine</i> , 2022, 18, 2009-2022.	1.4	5

#	ARTICLE	IF	CITATIONS
1592	Finding and Maintaining Motivation in Medical School. <i>Journal of the Nepal Medical Association</i> , 2022, 60, 584-587.	0.1	0
1593	Dynamical Mechanism Underlying Scale-Free Network Reorganization in Low Acetylcholine States Corresponding to Slow Wave Sleep. <i>Frontiers in Network Physiology</i> , 0, 1, .	0.8	0
1595	Acute sleep interventions as an avenue for treatment of trauma-associated disorders. <i>Journal of Clinical Sleep Medicine</i> , 2022, 18, 2291-2312.	1.4	7
1596	Study protocol: assessing Sleep IN infants with early-onset atopic Dermatitis by Longitudinal Evaluation (The SPINDLE study). <i>BMC Pediatrics</i> , 2022, 22, .	0.7	0
1597	Effects of Alcohol Withdrawal on Sleep Macroarchitecture and Microarchitecture in Female and Male Rats. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	0
1598	Odor cueing during sleep improves consolidation of a history lesson in a school setting. <i>Scientific Reports</i> , 2022, 12, .	1.6	5
1599	Targeted Memory Reactivation During REM Sleep in Patients With Social Anxiety Disorder. <i>Frontiers in Psychiatry</i> , 0, 13, .	1.3	5
1600	Acetylcholine bidirectionally regulates learning and memory. <i>Journal of Neurorestoratology</i> , 2022, 10, 100002.	1.1	19
1601	Auditory stimulation inâ€phase with slow oscillations to enhance overnight memory consolidation in patients with schizophrenia?. <i>Journal of Sleep Research</i> , 2022, 31, .	1.7	3
1602	Cortico-Hippocampal Oscillations Are Associated With the Developmental Onset of Hippocampal-Dependent Memory. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	5
1603	The space-time profiles of sleep spindles and their coordination with slow oscillations on the electrode manifold. <i>Sleep</i> , 2022, 45, .	0.6	6
1604	Slow oscillations promote long-range effective communication: The key for memory consolidation in a broken-down network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	14
1605	Perturbation of Cortical Excitability in a Conditional Model of PCDH19 Disorder. <i>Cells</i> , 2022, 11, 1939.	1.8	7
1606	Sleep-dependent upscaled excitability, saturated neuroplasticity, and modulated cognition in the human brain. <i>eLife</i> , 0, 11, .	2.8	20
1607	The GABAA receptor modulator zolpidem augments hippocampal-prefrontal coupling during non-REM sleep. <i>Neuropsychopharmacology</i> , 2023, 48, 594-604.	2.8	3
1608	Sleep bolsters schematically incongruent memories. <i>PLoS ONE</i> , 2022, 17, e0269439.	1.1	5
1609	Slow Wave Sleep Deficits in the Flinders Sensitive Line Rodent Model of Depression: Effects of Medial Forebrain Bundle Deep-Brain Stimulation. <i>Neuroscience</i> , 2022, 498, 31-49.	1.1	3
1610	Schematic information influences memory and generalisation behaviour for schema-relevant and -irrelevant information. <i>Cognition</i> , 2022, 227, 105203.	1.1	4

#	ARTICLE	IF	CITATIONS
1611	Waveform detection by deep learning reveals multi-area spindles that are selectively modulated by memory load. <i>ELife</i> , 0, 11, .	2.8	1
1614	Association between Sleep Disturbances at Subacute Stage of Mild Traumatic Brain Injury and Long-Term Outcomes. <i>Neurotrauma Reports</i> , 2022, 3, 276-285.	0.5	5
1616	Alterations of sleep oscillations in Alzheimer's disease: A potential role for GABAergic neurons in the cortex, hippocampus, and thalamus. <i>Brain Research Bulletin</i> , 2022, 187, 181-198.	1.4	13
1617	Effects of Dietary Carbohydrate Profile on Nocturnal Metabolism, Sleep, and Wellbeing: A Review. <i>Frontiers in Public Health</i> , 0, 10, .	1.3	1
1619	The Arousal-motor Hypothesis of Dopamine Function: Evidence that Dopamine Facilitates Reward Seeking in Part by Maintaining Arousal. <i>Neuroscience</i> , 2022, 499, 64-103.	1.1	3
1620	Sex Hormones, Sleep, and Memory: Interrelationships Across the Adult Female Lifespan. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	10
1621	Running speed and REM sleep control two distinct modes of rapid interhemispheric communication. <i>Cell Reports</i> , 2022, 40, 111028.	2.9	6
1622	Relations between sleep patterns early in life and brain development: A review. <i>Developmental Cognitive Neuroscience</i> , 2022, 56, 101130.	1.9	24
1623	Sleep as a window to target traumatic memories. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 140, 104765.	2.9	5
1624	How Much Time to Spend in Physical Activity, Sleep and be Sedentary in 24h to Achieve Good Health?. <i>Sleep and Vigilance</i> , 2022, 6, 371-376.	0.4	1
1625	Atrophy of the hippocampal CA1 subfield relates to long-term forgetting in focal epilepsy. <i>Epilepsia</i> , 2022, 63, 2623-2636.	2.6	2
1626	The role of sleep and wakefulness in the recognition of emotional pictures. <i>Journal of Sleep Research</i> , 0, , .	1.7	3
1627	Hypnotic enhancement of slow-wave sleep increases sleep-associated hormone secretion and reduces sympathetic predominance in healthy humans. <i>Communications Biology</i> , 2022, 5, .	2.0	6
1628	Is the role of sleep in memory consolidation overrated?. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 140, 104799.	2.9	6
1629	Does epileptic activity impair sleep-related memory consolidation in epilepsy? A critical and systematic review. <i>Journal of Clinical Sleep Medicine</i> , 2022, 18, 2481-2495.	1.4	3
1631	Effects of a brief afternoon nap on declarative and procedural memory. <i>Neurobiology of Learning and Memory</i> , 2022, 194, 107662.	1.0	2
1632	Guided internet-based cognitive behavioral therapy for insomnia in patients with borderline personality disorder: Study protocol for a randomized controlled trial. <i>Internet Interventions</i> , 2022, 29, 100563.	1.4	5
1633	Updating Memories of Unwanted Emotions During Human Sleep. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
1634	Sleep and circadian disturbance in disorders of consciousness: current methods and the way towards clinical implementation. <i>Seminars in Neurology</i> , 0, , .	0.5	1
1635	Modern understanding of the consequences of lack of sleep. <i>Medsitsinskii Akademicheskii Zhurnal</i> , 2022, 22, 61-72.	0.2	0
1636	The effect of photobiomodulation on the brain during wakefulness and sleep. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	21
1638	Sleep Problems in Children With Neurocutaneous Syndromes: A Cross-Sectional Study. <i>Journal of Child Neurology</i> , 2022, 37, 864-870.	0.7	1
1639	Field-Created Coordinate Cation Bridges Enable Conductance Modulation and Artificial Synapse within Metal Nanoparticles. <i>Nano Letters</i> , 2022, 22, 6794-6801.	4.5	10
1641	Hair cortisol as a viable tool for the assessment of an association between environmental noise exposure and chronic stress. <i>Journal of the Acoustical Society of America</i> , 2022, 152, 866-876.	0.5	2
1642	Understanding the Need for Sleep to Improve Cognition. <i>Annual Review of Psychology</i> , 2023, 74, 27-57.	9.9	12
1643	Research advances in the study of sleep disorders, circadian rhythm disturbances and Alzheimer's disease. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	5
1644	Mutual interaction between visual homeostatic plasticity and sleep in adult humans. <i>ELife</i> , 0, 11, .	2.8	3
1645	The Portiloop: A deep learning-based open science tool for closed-loop brain stimulation. <i>PLoS ONE</i> , 2022, 17, e0270696.	1.1	8
1646	The Success of Oral Appliance Therapy Based on Symptom-Driven Titration. <i>Military Medicine</i> , 2024, 189, 620-626.	0.4	1
1647	A Review of Equine Sleep: Implications for Equine Welfare. <i>Frontiers in Veterinary Science</i> , 0, 9, .	0.9	10
1649	Effects of alcohol on sleep and nocturnal heart rate: Relationships to intoxication and morning-after effects. <i>Alcoholism: Clinical and Experimental Research</i> , 0, , .	1.4	2
1650	Adolescent sleep quality and quantity and educational attainment: a test of multiple mechanisms using sibling difference models. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2022, 63, 1644-1657.	3.1	5
1651	Somatosensory targeted memory reactivation enhances motor performance via hippocampal-mediated plasticity. <i>Cerebral Cortex</i> , 2023, 33, 3734-3749.	1.6	2
1652	Two distinct ways to form long-term object recognition memory during sleep and wakefulness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	8
1653	Systematic review and meta-analyses on the effects of afternoon napping on cognition. <i>Sleep Medicine Reviews</i> , 2022, 65, 101666.	3.8	8
1654	Lights at night: does photobiomodulation improve sleep?. <i>Neural Regeneration Research</i> , 2023, 18, 474.	1.6	6

#	ARTICLE	IF	CITATIONS
1655	Entrainment to sleep spindles reflects dissociable patterns of connectivity between cortex and basal ganglia. <i>Cell Reports</i> , 2022, 40, 111367.	2.9	4
1656	Cortico-cortical and thalamo-cortical connectivity during non-REM and REM sleep: Insights from intracranial recordings in humans. <i>Clinical Neurophysiology</i> , 2022, 143, 84-94.	0.7	3
1657	Compound short- and long-term memory for memory augmented neural networks. <i>Engineering Applications of Artificial Intelligence</i> , 2022, 116, 105450.	4.3	0
1658	The unique contributions of day and night sleep to infant motor problem solving. <i>Journal of Experimental Child Psychology</i> , 2023, 226, 105536.	0.7	4
1659	Emerging sleep enhancement technologies. , 2022, , .		1
1660	Comparative Tasks for Comparative Neurophysiology. <i>NeuroMethods</i> , 2022, , 193-220.	0.2	0
1661	Human Inspired Memory Module for Memory Augmented Neural Networks. , 2022, , .		0
1662	Potential Benefits of Daytime Naps on Consecutive Days for Motor Adaptation Learning. <i>Clocks & Sleep</i> , 2022, 4, 387-401.	0.9	0
1663	The Role of Working Memory in Age-Related Emotional Memory Bias. <i>Affective Science</i> , 2022, 3, 686-695.	1.5	0
1664	Controllable and Uncontrollable Stress Differentially Impact Fear Conditioned Alterations in Sleep and Neuroimmune Signaling in Mice. <i>Life</i> , 2022, 12, 1320.	1.1	3
1665	Sleep Quality in the Admitted Elderly: A Prospective Observational Study in Eastern India. <i>Bengal Physician Journal</i> , 2022, 9, 30-34.	0.1	0
1666	Adaptive Solutions to the Problem of Vulnerability During Sleep. <i>Evolutionary Psychological Science</i> , 0, , .	0.8	2
1667	Lateralized tactile stimulation during <scp>NREM</scp> sleep globally increases both slow and fast frequency activities. <i>Psychophysiology</i> , 0, , .	1.2	1
1668	Sleep, plasticity, and sensory neurodevelopment. <i>Neuron</i> , 2022, 110, 3230-3242.	3.8	14
1669	A neuro-inspired computational model of life-long learning and catastrophic interference, mimicking hippocampus novelty-based dopamine modulation and lateral inhibitory plasticity. <i>Frontiers in Computational Neuroscience</i> , 0, 16, .	1.2	0
1670	A serotonergic axon-cilium synapse drives nuclear signaling to alter chromatin accessibility. <i>Cell</i> , 2022, 185, 3390-3407.e18.	13.5	54
1671	Amygdala and hippocampus dialogue with neocortex during human sleep and wakefulness. <i>Sleep</i> , 2023, 46, .	0.6	2
1672	Brain Stimulation for Improving Sleep and Memory. <i>Sleep Medicine Clinics</i> , 2022, 17, 505-521.	1.2	2

#	ARTICLE	IF	CITATIONS
1673	Sleep Fosters Odor Recognition in Children with Attention Deficit Hyperactivity Disorder but Not in Typically Developing Children. <i>Brain Sciences</i> , 2022, 12, 1182.	1.1	1
1674	Sleep and Memory in Infancy and Childhood. <i>Annual Review of Developmental Psychology</i> , 2022, 4, 89-108.	1.4	3
1675	Sleep-related Memory Consolidation in Schizophrenia. <i>Journal of Turkish Sleep Medicine</i> , 2022, 9, 186-189.	0.2	0
1676	Development and validation of mathematical nomogram for predicting the risk of poor sleep quality among medical students. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	1
1677	Real-time stimulation during sleep: prior findings, novel developments, and future perspectives. <i>Journal of Sleep Research</i> , 0, , .	1.7	0
1679	Demand Coupling Drives Neurodegeneration: A Model of Age-Related Cognitive Decline and Dementia. <i>Cells</i> , 2022, 11, 2789.	1.8	2
1680	Wake-up time and academic performance of university students in Indonesia: A cross-sectional study. <i>Frontiers in Education</i> , 0, 7, .	1.2	1
1681	Changes in the cortical network during sleep stage transitions. <i>Journal of Neuroscience Research</i> , 2023, 101, 20-33.	1.3	4
1682	Are there roles for heterogeneous ribosomes during sleep in the rodent brain?. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	1
1683	Neurophysiological mechanisms of implicit and explicit memory in the process of consciousness. <i>Journal of Neurophysiology</i> , 2022, 128, 872-891.	0.9	3
1684	Long-term memory predictors of adult language learning at the interface between syntactic form and meaning. <i>PLoS ONE</i> , 2022, 17, e0275061.	1.1	1
1686	Microglial homeostasis disruption modulates non-rapid eye movement sleep duration and neuronal activity in adult female mice. <i>Brain, Behavior, and Immunity</i> , 2023, 107, 153-164.	2.0	7
1687	Contributions of memory and brain development to the bioregulation of naps and nap transitions in early childhood. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	8
1688	A model of autonomous interactions between hippocampus and neocortex driving sleep-dependent memory consolidation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	16
1689	Sleep decreases neuronal activity control of microglial dynamics in mice. <i>Nature Communications</i> , 2022, 13, .	5.8	12
1690	Early onset of sleep/wake disturbances in a progressive macaque model of Parkinson's disease. <i>Scientific Reports</i> , 2022, 12, .	1.6	11
1691	Sleep medicine: Practice, challenges and new frontiers. <i>Frontiers in Neurology</i> , 0, 13, .	1.1	10
1692	Coupling between the prelimbic cortex, nucleus reuniens, and hippocampus during NREM sleep remains stable under cognitive and homeostatic demands. <i>European Journal of Neuroscience</i> , 2023, 57, 106-128.	1.2	2

#	ARTICLE	IF	CITATIONS
1693	Sleep preferentially consolidates negative aspects of human memory: Well-powered evidence from two large online experiments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	13
1694	A model of bi-directional interactions between complementary learning systems for memory consolidation of sequential experiences. <i>Frontiers in Systems Neuroscience</i> , 0, 16, .	1.2	2
1695	Sleep facilitates spatial memory but not navigation using the Minecraft Memory and Navigation task. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	6
1696	Sleep slow waves™ negative-to-positive-phase transition: a marker of cognitive and apneic status in aging. <i>Sleep</i> , 2023, 46, .	0.6	4
1697	Multiple traces and altered signal-to-noise in systems consolidation: Evidence from the 7T fMRI Natural Scenes Dataset. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	3
1698	The Intention to React to Sounds Induces Sleep Disturbances and Alters Brain Responses to Sounds during Sleep: A Pilot Study. <i>Clocks & Sleep</i> , 2022, 4, 561-576.	0.9	0
1699	Focal epilepsy impacts rapid eye movement sleep microstructure. <i>Sleep</i> , 2023, 46, .	0.6	6
1700	Predictive coding, multisensory integration, and attentional control: A multicomponent framework for lucid dreaming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	4
1701	Understanding the roles of central and autonomic activity during sleep in the improvement of working memory and episodic memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	6
1702	Shaping overnight consolidation via slow-oscillation closed-loop targeted memory reactivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	26
1703	Global and non-Global slow oscillations differentiate in their depth profiles. <i>Frontiers in Network Physiology</i> , 0, 2, .	0.8	4
1704	Memory Loss at Sleep Onset. <i>Cerebral Cortex Communications</i> , 0, , .	0.7	0
1705	The functions of sleep: A cognitive neuroscience perspective. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	9
1706	REM sleep-active hypothalamic neurons may contribute to hippocampal social-memory consolidation. <i>Neuron</i> , 2022, 110, 4000-4014.e6.	3.8	15
1707	Hippocampal cellular functional organization for fear memory: Effects of sleep. <i>Hippocampus</i> , 0, , .	0.9	0
1708	A short-term memory trace persists for days in the mouse hippocampus. <i>Communications Biology</i> , 2022, 5, .	2.0	5
1709	Sleep and wake cycles dynamically modulate hippocampal inhibitory synaptic plasticity. <i>PLoS Biology</i> , 2022, 20, e3001812.	2.6	5
1710	Sex differences in the effect of subjective sleep on fear conditioning, extinction learning, and extinction recall in individuals with a range of PTSD symptom severity. <i>Behaviour Research and Therapy</i> , 2022, 159, 104222.	1.6	3

#	ARTICLE	IF	CITATIONS
1711	Closed-loop modulation of local slow oscillations in human NREM sleep. <i>NeuroImage</i> , 2022, 264, 119682.	2.1	11
1713	Do naps benefit novel word learning? Developmental differences and white matter correlates. <i>Cortex</i> , 2022, , .	1.1	0
1715	The influence of sleep on fear extinction in trauma-related disorders. <i>Neurobiology of Stress</i> , 2023, 22, 100500.	1.9	9
1717	The effect of interictal epileptic discharges and following spindles on motor sequence learning in epilepsy patients. <i>Frontiers in Neurology</i> , 0, 13, .	1.1	3
1718	Influences of sleep and lifestyle factors on the risk for covid-19 infections, from internet survey of 10,000 Japanese business workers. <i>Scientific Reports</i> , 2022, 12, .	1.6	0
1719	Analysis of slow and fast sleep spindle properties in Parkinson's disease – A comparative EEG study. <i>International Journal of Psychophysiology</i> , 2022, 182, 220-230.	0.5	0
1720	Cortical regulation of two-stage rapid eye movement sleep. <i>Nature Neuroscience</i> , 2022, 25, 1675-1682.	7.1	15
1721	Sleep prevents catastrophic forgetting in spiking neural networks by forming a joint synaptic weight representation. <i>PLoS Computational Biology</i> , 2022, 18, e1010628.	1.5	4
1722	Perspectives on learning from neuroscience. , 2023, , 57-66.		0
1723	Sleep habits and their relation to self-reported attention and class climate in preteens. <i>Sleep Medicine</i> , 2023, 101, 421-428.	0.8	0
1724	The relationship between sleep and appetitive conditioning: A systematic review and meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2023, 144, 105001.	2.9	0
1725	The two-process model for sleep–wake regulation: A nonsmooth dynamics perspective. <i>Physica D: Nonlinear Phenomena</i> , 2023, 444, 133595.	1.3	2
1726	Targeting targeted memory reactivation: Characteristics of cued reactivation in sleep. <i>NeuroImage</i> , 2023, 266, 119820.	2.1	11
1727	The effect of sleep on intrusive memories in daily life: a systematic review and meta-analysis of trauma film experiments. <i>Sleep</i> , 2023, 46, .	0.6	4
1729	Inverse forgetting in unconscious episodic memory. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
1730	Interactive Associations between Physical Activity and Sleep Duration in Relation to Adolescent Academic Achievement. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 15604.	1.2	2
1732	Age-related changes in fast spindle clustering during non-rapid eye movement sleep and their relevance for memory consolidation. <i>Sleep</i> , 2023, 46, .	0.6	7
1733	Circadian dysregulation and Alzheimer’s disease: A comprehensive review. <i>Brain Science Advances</i> , 2022, 8, 221-257.	0.3	0

#	ARTICLE	IF	CITATIONS
1734	Dual Memory Structure for Memory Augmented Neural Networks for Question-Answering Tasks. , 2022, , .		0
1735	Sleep-like unsupervised replay reduces catastrophic forgetting in artificial neural networks. Nature Communications, 2022, 13, .	5.8	6
1736	Chemogenetic enhancement of cAMP signaling renders hippocampal synaptic plasticity resilient to the impact of acute sleep deprivation. ENeuro, 0, , ENEURO.0380-22.2022.	0.9	0
1738	Editorial: Mechanisms contributing to sleep-dependent memory generalization. Frontiers in Neuroscience, 0, 16, .	1.4	1
1739	Sleep duration and cognitive function among older adults with chronic kidney disease: results from the National Health and Nutrition Examination Survey (2011â€“2014). Nephrology Dialysis Transplantation, 2023, 38, 1636-1644.	0.4	2
1740	Targeted memory reactivation during sleep influences social bias as a function of slowâ€“oscillation phase and delta power. Psychophysiology, 2023, 60, .	1.2	6
1741	Atypical hypnotic compound ML297 restores sleep architecture immediately following emotionally valenced learning, to promote memory consolidation and hippocampal network activation during recall. Sleep, 2023, 46, .	0.6	5
1742	Emotional Memory Processing during REM Sleep with Implications for Post-Traumatic Stress Disorder. Journal of Neuroscience, 0, , JN-RM-1020-22.	1.7	0
1743	A failure of sleep-dependent consolidation of visuoperceptual procedural learning in young adults with ADHD. Translational Psychiatry, 2022, 12, .	2.4	1
1744	Sleep spindles and slow waves are physiological markers for age-related changes in gray matter in brain regions supporting problem-solving skills. Learning and Memory, 2023, 30, 12-24.	0.5	1
1745	Neural circuit plasticity for complex non-declarative sensorimotor memory consolidation during sleep. Neuroscience Research, 2023, 189, 37-43.	1.0	2
1746	Sleep deprivation induces delayed regeneration of olfactory sensory neurons following injury. Frontiers in Neuroscience, 0, 16, .	1.4	2
1747	NLRP3 upregulation related to sleep deprivation-induced memory and emotional behavior changes in TRPV1-/- mice. Behavioural Brain Research, 2023, 440, 114255.	1.2	0
1748	Cognitive Enhancement through Differential Rope Skipping after Math Lesson. International Journal of Environmental Research and Public Health, 2023, 20, 205.	1.2	1
1749	No evidence for a preferential role of sleep in episodic memory abstraction. Frontiers in Neuroscience, 0, 16, .	1.4	2
1750	Sleep deficiency promotes Alzheimer's disease development and progression. Frontiers in Neurology, 0, 13, .	1.1	8
1752	The promise of portable remote auditory stimulation tools to enhance slowâ€“wave sleep and prevent cognitive decline. Journal of Sleep Research, 2023, 32, .	1.7	8
1753	How sleep shapes what we rememberâ€“and forget. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	1

#	ARTICLE	IF	CITATIONS
1754	The potential beneficial effect of sleep deprivation following traumatic events to preventing PTSD: Review of current insight regarding sleep, memory, and trauma resonating with ancient rituals” ÅÄ–sÅ¹n Oku (African) and Tsuya (Japanese). <i>Neuropsychopharmacology Reports</i> , 2023, 43, 2-11.	1.1	3
1755	Factors Affecting Nonnative Consonant Cluster Learning. <i>Journal of Speech, Language, and Hearing Research</i> , 0, , 1-14.	0.7	0
1756	A cross-sectional investigation of cognition and epileptiform discharges in juvenile absence epilepsy. <i>Epilepsia</i> , 2023, 64, 742-753.	2.6	2
1757	Sleep Spindle Characteristics and Relationship with Memory Ability in Patients with Obstructive Sleep Apnea-Hypopnea Syndrome. <i>Journal of Clinical Medicine</i> , 2023, 12, 634.	1.0	2
1758	Sleep disorders affect cognitive function in adults: an overview of systematic reviews and meta-analyses. <i>Sleep and Biological Rhythms</i> , 2023, 21, 133-142.	0.5	4
1759	The top 100 most cited papers in insomnia: A bibliometric analysis. <i>Frontiers in Psychiatry</i> , 0, 13, .	1.3	2
1760	Pre-sleep arousal induced by suspenseful series and cliffhangers have only minor effects on sleep: A sleep laboratory study. <i>Sleep Medicine</i> , 2023, , .	0.8	1
1762	Rationale for a Multi-Factorial Approach for the Reversal of Cognitive Decline in Alzheimer’s Disease and MCI: A Review. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1659.	1.8	16
1763	Insomnia Symptoms and Biomarkers of Alzheimer’s Disease in the Community. <i>Journal of Alzheimer's Disease</i> , 2023, 91, 1423-1434.	1.2	1
1764	Synapse-Specific Modulation of Synaptic Responses by Brain States in Hippocampal Pathways. <i>Journal of Neuroscience</i> , 2023, 43, 1191-1210.	1.7	2
1765	Metabotropic glutamate receptor function and regulation of sleep-wake cycles. <i>International Review of Neurobiology</i> , 2023, , .	0.9	1
1766	Associations between objectively measured sleep parameters and cognition in healthy older adults: A meta-analysis. <i>Sleep Medicine Reviews</i> , 2023, 67, 101734.	3.8	6
1767	Updating memories of unwanted emotions during human sleep. <i>Current Biology</i> , 2023, 33, 309-320.e5.	1.8	12
1768	Selective Serotonin 5-HT2A Receptor Antagonists and Inverse Agonists Specifically Promote Slow Wave Sleep (Stage N3) in Man. <i>Sleep and Vigilance</i> , 2018, 2, 23-31.	0.4	0
1769	Functional differences in cerebral activation between slow wave-coupled and uncoupled sleep spindles. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	1
1770	Sleep does not influence schema-facilitated motor memory consolidation. <i>PLoS ONE</i> , 2023, 18, e0280591.	1.1	2
1771	Aging impairs the temporal clustering of sleep spindles. <i>Sleep</i> , 0, , .	0.6	0
1773	Small-molecule screening in aged <i>Drosophila</i> identifies mGluR as a regulator of age-related sleep impairment. <i>Sleep</i> , 2023, 46, .	0.6	2

#	ARTICLE	IF	CITATIONS
1774	Owner-rated hyperactivity/impulsivity is associated with sleep efficiency in family dogs: a non-invasive EEG study. <i>Scientific Reports</i> , 2023, 13, .	1.6	1
1776	Sleep-Directed Hypnosis Improves Subjective Sleep Quality but not Extinction Memory After Exposure to Analog Trauma. <i>Cognitive Therapy and Research</i> , 2023, 47, 255-268.	1.2	2
1777	Alcohol-Induced Retrograde Facilitation?. <i>Experimental Psychology</i> , 2022, 69, 335-350.	0.3	0
1778	Sleep staging in the ICU with heart rate variability and breathing signals. An exploratory cross-sectional study using deep neural networks. <i>Frontiers in Network Physiology</i> , 0, 3, .	0.8	3
1779	Sleep-dependent structural neuroplasticity after a spatial navigation task: A diffusion imaging study. <i>Journal of Neuroscience Research</i> , 2023, 101, 1031-1043.	1.3	3
1780	Pontine control of rapid eye movement sleep and fear memory. <i>CNS Neuroscience and Therapeutics</i> , 2023, 29, 1602-1614.	1.9	3
1781	An accessible and versatile deep learning-based sleep stage classifier. <i>Frontiers in Neuroinformatics</i> , 0, 17, .	1.3	2
1782	Do better nights lead to better days? Guided internet-based cognitive behavioral therapy for insomnia in people suffering from a range of mental health problems: Protocol of a pragmatic randomized clinical trial. <i>Contemporary Clinical Trials</i> , 2023, 127, 107122.	0.8	1
1783	An infant sleep electroencephalographic marker of thalamocortical connectivity predicts behavioral outcome in late infancy. <i>NeuroImage</i> , 2023, 269, 119924.	2.1	5
1784	Topographic-dynamic reorganisation model of dreams (TRoD) – A spatiotemporal approach. <i>Neuroscience and Biobehavioral Reviews</i> , 2023, 148, 105117.	2.9	2
1785	The amygdala mediates the facilitating influence of emotions on memory through multiple interacting mechanisms. <i>Neurobiology of Stress</i> , 2023, 24, 100529.	1.9	6
1786	BDNF Val66Met polymorphism is associated with consolidation of episodic memory during sleep. <i>Biological Psychology</i> , 2023, 179, 108568.	1.1	2
1787	Sleep and academic performance among students in Hong Kong: Curvilinear relationship suggesting an optimal amount of sleep. <i>Sleep Medicine</i> , 2023, 106, 97-105.	0.8	4
1788	Modeling integrated stress, sleep, fear and neuroimmune responses: Relevance for understanding trauma and stress-related disorders. <i>Neurobiology of Stress</i> , 2023, 23, 100517.	1.9	2
1789	A predictive model for consciousness recovery of comatose patients after acute brain injury. <i>Frontiers in Neuroscience</i> , 0, 17, .	1.4	0
1790	How our understanding of memory replay evolves. <i>Journal of Neurophysiology</i> , 2023, 129, 552-580.	0.9	8
1791	Presenting rose odor during learning, sleep and retrieval helps to improve memory consolidation: a real-life study. <i>Scientific Reports</i> , 2023, 13, .	1.6	2
1792	Neuropeptide diuretic hormone 31 mediates memory and sleep via distinct neural pathways in <i>Drosophila</i> . <i>Neuroscience Research</i> , 2023, 192, 11-25.	1.0	3

#	ARTICLE	IF	CITATIONS
1793	Interregional phase-amplitude coupling between theta rhythm in the nucleus tractus solitarius and high-frequency oscillations in the hippocampus during REM sleep in rats. <i>Sleep</i> , 2023, 46, .	0.6	1
1795	Sleep and dreaming in the light of reactive and predictive homeostasis. <i>Neuroscience and Biobehavioral Reviews</i> , 2023, 147, 105104.	2.9	4
1796	Does Motor Memory Reactivation through Practice and Post-Learning Sleep Modulate Consolidation?. <i>Clocks & Sleep</i> , 2023, 5, 72-84.	0.9	2
1797	Consolidation without intention: Sleep strengthens veridical and gist representations of information after incidental encoding. <i>Psychonomic Bulletin and Review</i> , 2023, 30, 1475-1483.	1.4	2
1798	Effects of outdoor artificial light at night on human health and behavior: A literature review. <i>Environmental Pollution</i> , 2023, 323, 121321.	3.7	10
1799	The Virtual Sleep Lab—A Novel Method for Accurate Four-Class Sleep Staging Using Heart-Rate Variability from Low-Cost Wearables. <i>Sensors</i> , 2023, 23, 2390.	2.1	4
1800	The Putative Role of Neuroinflammation in the Interaction between Traumatic Brain Injuries, Sleep, Pain and Other Neuropsychiatric Outcomes: A State-of-the-Art Review. <i>Journal of Clinical Medicine</i> , 2023, 12, 1793.	1.0	9
1801	Neuroplasticity, brain entrainment, cognition and intellectual functions amelioration through the complex integrative approach of biological regenerative medicine. <i>Journal of Stem Cell Research & Therapeutics</i> , 2020, 6, 41-51.	0.1	0
1802	A systematic review and thematic synthesis exploring the role of pharmacists in supporting better sleep health and managing sleep disorders. <i>International Journal of Pharmacy Practice</i> , 2023, 31, 153-164.	0.3	1
1803	The Effect of One Night of Sleep on Mnemonic Discrimination of Emotional Information. <i>Brain Sciences</i> , 2023, 13, 434.	1.1	1
1804	Role of Sleep in Imprinting Healthy Aging. <i>Healthy Ageing and Longevity</i> , 2023, , 165-174.	0.2	0
1805	Sleep-dependent memory consolidation in schizophrenia: A systematic review and meta-analysis. <i>Schizophrenia Research</i> , 2023, 254, 146-154.	1.1	3
1807	Closed-Loop tACS Delivered during Slow-Wave Sleep Reduces Retroactive Interference on a Paired-Associates Learning Task. <i>Brain Sciences</i> , 2023, 13, 468.	1.1	3
1809	Behavioral screening of sleep-promoting effects of human intestinal and food-associated bacteria on <i>Drosophila melanogaster</i> . <i>Genes To Cells</i> , 2023, 28, 433-446.	0.5	2
1810	Dexmedetomidine prevents spatial learning and memory impairment induced by chronic REM sleep deprivation in rats. <i>Sleep and Biological Rhythms</i> , 0, , .	0.5	0
1813	Association of sleep complaints with all-cause and heart disease mortality among US adults. <i>Frontiers in Public Health</i> , 0, 11, .	1.3	3
1814	Rule Abstraction Is Facilitated by Auditory Cuing in REM Sleep. <i>Journal of Neuroscience</i> , 2023, 43, 3838-3848.	1.7	3
1815	Introducing Variability Into the Word Learning of Adults. <i>Communication Disorders Quarterly</i> , 0, , 152574012311579.	0.5	0

#	ARTICLE	IF	CITATIONS
1818	Process of Learning: Insights from Neuropsychology Studies and Asia-Pacific Perspectives. , 2023, , 1-25.		0
1819	Temporary amnesia from sleep loss: A framework for understanding consequences of sleep deprivation. <i>Frontiers in Neuroscience</i> , 0, 17, .	1.4	0
1820	Neural correlates of sleep-induced benefits on traumatic memory processing. <i>Human Brain Mapping</i> , 2023, 44, 3506-3518.	1.9	3
1821	Slow oscillation-spindle cross-frequency coupling predicts overnight declarative memory consolidation in older adults. <i>European Journal of Neuroscience</i> , 2024, 59, 662-685.	1.2	3
1822	Regulation of dendritic spines in the amygdala following sleep deprivation. , 0, 2, .		1
1823	Sleep—A brain-state serving systems memory consolidation. <i>Neuron</i> , 2023, 111, 1050-1075.	3.8	43
1824	False memories formation after a retention period spent asleep or awake in individuals with insomnia and good sleepers: a polysomnographic study. <i>Journal of Sleep Research</i> , 0, , .	1.7	1
1825	Physical Activity Patterns, Circadian Rhythms, and Aggressive and Suicidal Behavior among a Larger Sample of the General Population Aged 15 to 34 Years. <i>Journal of Clinical Medicine</i> , 2023, 12, 2821.	1.0	1
1826	Sleep and Core Body Temperature Alterations Induced by Space Radiation in Rats. <i>Life</i> , 2023, 13, 1002.	1.1	0
1827	Advantage Conferred by Overnight Sleep on Schema-related Memory May Last Only a Day. <i>SLEEP Advances</i> , 0, , .	0.1	0
1828	Developmental changes in obstructive sleep apnea and sleep architecture in Down syndrome. <i>Pediatric Pulmonology</i> , 0, , .	1.0	0
1829	Assessment of Cognitive Function with Sleep Spindle Characteristics in Adults with Epilepsy. <i>Neural Plasticity</i> , 2023, 2023, 1-26.	1.0	1
1830	Investigating the influence of an adjustable zoned air mattress on sleep: a multnight polysomnography study. <i>Frontiers in Neuroscience</i> , 0, 17, .	1.4	0
1831	Chronotype in college science students is associated with behavioral choices and can fluctuate across a semester. <i>Chronobiology International</i> , 2023, 40, 710-724.	0.9	3
1832	Acute Evening High-Intensity Interval Training may Attenuate the Detrimental Effects of Sleep Restriction on Long-Term Declarative Memory. <i>Sleep</i> , 0, , .	0.6	0
1867	Positive Psychologie und Vitalität. , 2023, , 77-112.		0
1888	Effects of Sleep Deprivation and Experience on Sleep Characteristics and Memory Formation Based on EEG Analysis. , 2023, , 427-439.		0
1892	The Impact of Sleep on Fear Extinction. <i>Current Topics in Behavioral Neurosciences</i> , 2023, , 133-156.	0.8	3

#	ARTICLE	IF	CITATIONS
1919	Neurowissenschaftliche Befunde zu hypnotischen Suggestionen. Psychotherapie: Praxis, 2023, , 761-780.	0.0	0
1926	Sleep, Alertness, and Light. , 2023, , 1432-1436.		0
1935	Sleep-Dependent Memory Replay Enables Brain-Like Robustness in Neural Networks. Lecture Notes in Computer Science, 2023, , 212-221.	1.0	0
1949	Process of Learning: Insights from Neuropsychology Studies and the Asia-Pacific Perspectives. , 2023, , 1417-1441.		0
1952	Evaluating sleep-stage classification: how age and early-late sleep affects classification performance. Medical and Biological Engineering and Computing, 0, , .	1.6	0
1977	Optimizing the methodology of human sleep and memory research. , 2024, 3, 123-137.		0
1980	Understanding zebrafish sleep and wakefulness physiology as an experimental model for biomedical research. Fish Physiology and Biochemistry, 0, , .	0.9	0
1987	Brain-Computer Interface: Bridging the Gap Between Human Brain and Computing Systems. , 2023, , .		1
1990	A Re-Examination of Micro Learning Concepts, Theories, and Its Application to Language Acquisition. Advances in Educational Technologies and Instructional Design Book Series, 2024, , 20-44.	0.2	0
1994	Metabolomics in sleep disorders. Comprehensive Analytical Chemistry, 2024, , 43-69.	0.7	0
1995	Sleep is Essential for Mental Health: Potential Role of Slow Oscillations. Current Sleep Medicine Reports, 2024, 10, 13-22.	0.7	0
1996	A Review of Racial and Ethnic Differences in Sleep-memory Associations and the Potential Contributions of Social Determinants of Sleep. Current Sleep Medicine Reports, 2024, 10, 62-69.	0.7	0
2020	Einfluss von Schlaf auf die Emotionsregulation. , 2024, , 93-108.		0