

Manuel Schabus

List of Publications by Year in descending order

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Version: 2024-02-01

127
papers

11,907
citations

50170

46
h-index

29081

104
g-index

145
all docs

145
docs citations

145
times ranked

10297
citing authors

#	ARTICLE	IF	CITATIONS
1	The Brain Selectively Tunes to Unfamiliar Voices during Sleep. <i>Journal of Neuroscience</i> , 2022, 42, 1791-1803.	1.7	7
2	Slow oscillationâ€”spindle coupling strength predicts real-life gross-motor learning in adolescents and adults. <i>ELife</i> , 2022, 11, .	2.8	15
3	From dawn to duskâ€”mimicking natural daylight exposure improves circadian rhythm entrainment in patients with severe brain injury. <i>Sleep</i> , 2022, 45, .	0.6	4
4	Does the Heart Fall Asleep?â€”Diurnal Variations in Heart Rate Variability in Patients with Disorders of Consciousness. <i>Brain Sciences</i> , 2022, 12, 375.	1.1	1
5	Sleep-Specific Processing of Auditory Stimuli Is Reflected by Alpha and Sigma Oscillations. <i>Journal of Neuroscience</i> , 2022, 42, 4711-4724.	1.7	9
6	Differential Effects of REM Sleep on Emotional Processing: Initial Evidence for Increased Short-term Emotional Responses and Reduced Long-term Intrusive Memories. <i>Behavioral Sleep Medicine</i> , 2021, 19, 83-98.	1.1	11
7	Decoding Brain Responses to Names and Voices across Different Vigilance States. <i>Sensors</i> , 2021, 21, 3393.	2.1	1
8	Evaluation of a Low-Cost Commercial Actigraph and Its Potential Use in Detecting Cultural Variations in Physical Activity and Sleep. <i>Sensors</i> , 2021, 21, 3774.	2.1	23
9	Sleep during COVID-19 lockdown: A cross-cultural study investigating job system relevance. <i>Biochemical Pharmacology</i> , 2021, 191, 114463.	2.0	22
10	Procedural memory consolidation is associated with heart rate variability and sleep spindles. <i>Journal of Sleep Research</i> , 2020, 29, e12910.	1.7	9
11	â€”How does Austria sleep?â€”self-reported sleep habits and complaints in an online survey. <i>Sleep and Breathing</i> , 2020, 24, 735-741.	0.9	7
12	Memory Traces Formed in Uteroâ€”Newbornsâ€™™ Autonomic and Neuronal Responses to Prenatal Stimuli and the Maternal Voice. <i>Brain Sciences</i> , 2020, 10, 837.	1.1	4
13	Sleep, Little Baby: The Calming Effects of Prenatal Speech Exposure on Newbornsâ€™™ Sleep and Heartrate. <i>Brain Sciences</i> , 2020, 10, 511.	1.1	7
14	Actigraphy in brain-injured patientsâ€”â€”A valid measurement for assessing circadian rhythms?. <i>BMC Medicine</i> , 2020, 18, 106.	2.3	6
15	Consensus on the reporting and experimental design of clinical and cognitive-behavioural neurofeedback studies (CRED-nf checklist). <i>Brain</i> , 2020, 143, 1674-1685.	3.7	188
16	Perspective: Daylight Saving Timeâ€”An Advocacy for a Balanced View and against Fanning Fear. <i>Clocks & Sleep</i> , 2020, 2, 19-25.	0.9	4
17	Slow oscillation-spindle coupling predicts enhanced memory formation from childhood to adolescence. <i>ELife</i> , 2020, 9, .	2.8	86
18	Coupling and Decoupling between Brain and Body Oscillations. <i>Neuroscience Letters</i> , 2019, 711, 134401.	1.0	15

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19	On the development of sleep states in the first weeks of life. PLoS ONE, 2019, 14, e0224521.	1.1	13
20	About the Accuracy and Problems of Consumer Devices in the Assessment of Sleep. Sensors, 2019, 19, 4160.	2.1	44
21	Rehearsal initiates systems memory consolidation, sleep makes it last. Science Advances, 2019, 5, eaav1695.	4.7	42
22	Cortical reactivations during sleep spindles following declarative learning. NeuroImage, 2019, 195, 104-112.	2.1	43
23	Healthier rhythm, healthier brain? Integrity of circadian melatonin and temperature rhythms relates to the clinical state of brain-injured patients. European Journal of Neurology, 2019, 26, 1051-1059.	1.7	28
24	Developmental changes of sleep spindles and their impact on sleep-dependent memory consolidation and general cognitive abilities: A longitudinal approach. Developmental Science, 2019, 22, e12706.	1.3	72
25	The effect of daytime napping and full-night sleep on the consolidation of declarative and procedural information. Journal of Sleep Research, 2019, 28, e12649.	1.7	35
26	Sleep reduces the testing effect”But not after corrective feedback and prolonged retention interval.. Journal of Experimental Psychology: Learning Memory and Cognition, 2019, 45, 272-287.	0.7	19
27	On the development of sleep states in the first weeks of life. , 2019, 14, e0224521.		0
28	On the development of sleep states in the first weeks of life. , 2019, 14, e0224521.		0
29	On the development of sleep states in the first weeks of life. , 2019, 14, e0224521.		0
30	On the development of sleep states in the first weeks of life. , 2019, 14, e0224521.		0
31	On the development of sleep states in the first weeks of life. , 2019, 14, e0224521.		0
32	On the development of sleep states in the first weeks of life. , 2019, 14, e0224521.		0
33	Reply: Noisy but not placebo: defining metrics for effects of neurofeedback. Brain, 2018, 141, e41-e41.	3.7	8
34	What Can We Learn About Brain Functions from Sleep EEG? Insights from Sleep of DOC Patients. , 2018, , 155-168.		0
35	Approaches to sleep in severely brain damaged patients “ Further comments and replies to Kotchoubey & Pavlov. Clinical Neurophysiology, 2018, 129, 2680-2681.	0.7	6
36	Sleep and circadian rhythms in severely brain-injured patients “ A comment. Clinical Neurophysiology, 2018, 129, 1780-1784.	0.7	12

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37	Standing sentinel during human sleep: Continued evaluation of environmental stimuli in the absence of consciousness. <i>NeuroImage</i> , 2018, 178, 638-648.	2.1	42
38	Sleep in patients with disorders of consciousness characterized by means of machine learning. <i>PLoS ONE</i> , 2018, 13, e0190458.	1.1	34
39	Cardiac Vagal Control and Depressive Symptoms: The Moderating Role of Sleep Quality. <i>Behavioral Sleep Medicine</i> , 2017, 15, 451-465.	1.1	5
40	Preferential processing of emotionally and self-relevant stimuli persists in unconscious N2 sleep. <i>Brain and Language</i> , 2017, 167, 72-82.	0.8	42
41	Significance of circadian rhythms in severely brain-injured patients. <i>Neurology</i> , 2017, 88, 1933-1941.	1.5	58
42	Individual baseline memory performance and its significance for sleep-dependent memory consolidation. <i>Sleep Spindles & Cortical Up States</i> , 2017, 1, 2-13.	1.5	13
43	0270 ON THE INCONSISTENCY OF SLEEP EFFECTS ON DECLARATIVE AND PROCEDURAL MEMORY CONSOLIDATION - AN EEG STUDY ACROSS MULTIPLE SLEEP LABORATORY NIGHTS. <i>Sleep</i> , 2017, 40, A99-A99.	0.6	0
44	Reply: On assessing neurofeedback effects: should double-blind replace neurophysiological mechanisms?. <i>Brain</i> , 2017, 140, e64-e64.	3.7	20
45	Night and day variations of sleep in patients with disorders of consciousness. <i>Scientific Reports</i> , 2017, 7, 266.	1.6	46
46	Better than sham? A double-blind placebo-controlled neurofeedback study in primary insomnia. <i>Brain</i> , 2017, 140, 1041-1052.	3.7	101
47	Sleep: Implications for Theories of Dreaming and Consciousness \hat{a} t. , 2017, , .		0
48	The Voice of Anger: Oscillatory EEG Responses to Emotional Prosody. <i>PLoS ONE</i> , 2016, 11, e0159429.	1.1	6
49	Variations of EEG complexity across the 24 hr-cycle in patients with disorders of consciousness. <i>International Journal of Psychophysiology</i> , 2016, 108, 101-102.	0.5	0
50	Event-related EEG power modulations and phase connectivity indicate the focus of attention in an auditory own name paradigm. <i>Journal of Neurology</i> , 2016, 263, 1530-1543.	1.8	13
51	\hat{a} nparACT \hat{a} ™ package for R: A free software tool for the non-parametric analysis of actigraphy data. <i>MethodsX</i> , 2016, 3, 430-435.	0.7	114
52	Can self-relevant stimuli help assessing patients with disorders of consciousness?. <i>Consciousness and Cognition</i> , 2016, 44, 51-60.	0.8	14
53	EEG entropy measures indicate decrease of cortical information processing in Disorders of Consciousness. <i>Clinical Neurophysiology</i> , 2016, 127, 1419-1427.	0.7	95
54	Heartbeat \hat{a} related EEG amplitude and phase modulations from wakefulness to deep sleep: Interactions with sleep spindles and slow oscillations. <i>Psychophysiology</i> , 2015, 52, 1441-1450.	1.2	61

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55	Across the consciousness continuum—from unresponsive wakefulness to sleep. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 105.	1.0	37
56	High cardiac vagal control is related to better subjective and objective sleep quality. <i>Biological Psychology</i> , 2015, 106, 79-85.	1.1	63
57	Oscillatory Theta Activity during Memory Formation and Its Impact on Overnight Consolidation: A Missing Link?. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 1648-1658.	1.1	27
58	The impact of diurnal sleep on the consolidation of a complex gross motor adaptation task. <i>Journal of Sleep Research</i> , 2015, 24, 100-109.	1.7	39
59	SMR neurofeedback for improving sleep and memory — Two studies in primary insomnia. <i>Sleep Medicine</i> , 2015, 16, S12.	0.8	2
60	Involvement of sleep spindles in overnight declarative memory stabilization. <i>Somnologie</i> , 2015, 19, 30-37.	0.9	4
61	Pre- to postsleep change in psychophysiological reactivity to emotional films: Late-night REM sleep is associated with attenuated emotional processing. <i>Psychophysiology</i> , 2015, 52, 813-825.	1.2	50
62	EEG oscillations reflect the complexity of social interactions in a non-verbal social cognition task using animated triangles. <i>Neuropsychologia</i> , 2015, 75, 330-340.	0.7	9
63	Oscillatory brain responses to own names uttered by unfamiliar and familiar voices. <i>Brain Research</i> , 2014, 1591, 63-73.	1.1	35
64	Enhancing sleep quality and memory in insomnia using instrumental sensorimotor rhythm conditioning. <i>Biological Psychology</i> , 2014, 95, 126-134.	1.1	87
65	Assessment of SOMNOwatch plus EEG for sleep monitoring in healthy individuals. <i>Physiology and Behavior</i> , 2014, 132, 73-78.	1.0	13
66	Alpha phase, temporal attention, and the generation of early event related potentials. <i>NeuroImage</i> , 2014, 103, 119-129.	2.1	32
67	Slow Sleep Spindle Activity, Declarative Memory, and General Cognitive Abilities in Children. <i>Sleep</i> , 2014, 37, 1501-1512.	0.6	102
68	Assessment of a wireless headband for automatic sleep scoring. <i>Sleep and Breathing</i> , 2013, 17, 747-752.	0.9	72
69	Mechanisms underlying declarative memory consolidation are changing with age — Insight from healthy and disturbed sleep. <i>Sleep Medicine</i> , 2013, 14, e305.	0.8	0
70	Non-pharmacological treatment of primary insomnia using sensorimotor-rhythm neurofeedback. <i>Sleep Medicine</i> , 2013, 14, e260-e261.	0.8	1
71	CRS-R score in disorders of consciousness is strongly related to spectral EEG at rest. <i>Journal of Neurology</i> , 2013, 260, 2348-2356.	1.8	102
72	Mirroring of a simple motor behavior in Disorders of Consciousness. <i>Clinical Neurophysiology</i> , 2013, 124, 27-34.	0.7	15

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73	Susceptibility to Declarative Memory Interference is Pronounced in Primary Insomnia. PLoS ONE, 2013, 8, e57394.	1.1	21
74	Slow Oscillation Amplitudes and Up-State Lengths Relate to Memory Improvement. PLoS ONE, 2013, 8, e82049.	1.1	32
75	Hierarchical clustering of brain activity during human nonrapid eye movement sleep. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5856-5861.	3.3	165
76	Consolidation of temporal order in episodic memories. Biological Psychology, 2012, 91, 150-155.	1.1	40
77	Circadian Preference Modulates the Neural Substrate of Conflict Processing across the Day. PLoS ONE, 2012, 7, e29658.	1.1	64
78	The Fate of Incoming Stimuli during NREM Sleep is Determined by Spindles and the Phase of the Slow Oscillation. Frontiers in Neurology, 2012, 3, 40.	1.1	139
79	Sleep in Disorders of Consciousness. , 2012, , 85-95.		0
80	Two Distinct Neuronal Networks Mediate the Awareness of Environment and of Self. Journal of Cognitive Neuroscience, 2011, 23, 570-578.	1.1	367
81	Spontaneous neural activity during human non-rapid eye movement sleep. Progress in Brain Research, 2011, 193, 111-118.	0.9	12
82	Does Sleep Promote False Memories?. Journal of Cognitive Neuroscience, 2011, 23, 26-40.	1.1	45
83	FC07-04 - Electrophysiological neuroimaging reveals re-set, re-activation and re-processing of procedural and declarative memory traces during post-training sleep. European Psychiatry, 2011, 26, 1849-1849.	0.1	0
84	Cognitive processes in disorders of consciousness as revealed by EEG time-frequency analyses. Clinical Neurophysiology, 2011, 122, 2177-2184.	0.7	67
85	Event-related activity and phase locking during a psychomotor vigilance task over the course of sleep deprivation. Journal of Sleep Research, 2011, 20, 377-385.	1.7	38
86	Neural Precursors of Delayed Insight. Journal of Cognitive Neuroscience, 2011, 23, 1900-1910.	1.1	44
87	Interplay between spontaneous and induced brain activity during human non-rapid eye movement sleep. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15438-15443.	3.3	171
88	Oscillatory brain activity in vegetative and minimally conscious state during a sentence comprehension task. Functional Neurology, 2011, 26, 31-6.	1.3	10
89	Functional Neuroimaging Insights into the Physiology of Human Sleep. Sleep, 2010, 33, 1589-1603.	0.6	214
90	Self-reported sleep patterns, sleep problems, and behavioral problems among school children aged 8-11 years. Somnologie, 2010, 14, 23-31.	0.9	34

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91	Spectral quality of light modulates emotional brain responses in humans. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19549-19554.	3.3	179
92	Sleep in disorders of consciousness. Sleep Medicine Reviews, 2010, 14, 97-105.	3.8	87
93	Still Missing Some Significant Ingredients. Sleep, 2009, 32, 291-293.	0.6	13
94	Abnormal Neural Filtering of Irrelevant Visual Information in Depression. Journal of Neuroscience, 2009, 29, 1395-1403.	1.7	126
95	Sleep: Implications for Theories of Dreaming and Consciousness. , 2009, , 357-373.		1
96	Homeostatic Sleep Pressure and Responses to Sustained Attention in the Suprachiasmatic Area. Science, 2009, 324, 516-519.	6.0	170
97	Detecting consciousness in a total locked-in syndrome: An active event-related paradigm. Neurocase, 2009, 15, 271-277.	0.2	117
98	Rejection of pulse related artefact (PRA) from continuous electroencephalographic (EEG) time series recorded during functional magnetic resonance imaging (fMRI) using constraint independent component analysis (cICA). NeuroImage, 2009, 44, 679-691.	2.1	32
99	Recurrent boosting effects of short inactivity delays on performance: an ERPs study. BMC Research Notes, 2009, 2, 170.	0.6	9
100	Stroop-related cerebral activity is modulated by time of day and chronotype. NeuroImage, 2009, 47, S187.	2.1	1
101	<i>Intrinsic Brain Activity in Altered States of Consciousness</i> . Annals of the New York Academy of Sciences, 2008, 1129, 119-129.	1.8	340
102	Interindividual sleep spindle differences and their relation to learning-related enhancements. Brain Research, 2008, 1191, 127-135.	1.1	154
103	Spontaneous neural activity during human slow wave sleep. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15160-15165.	3.3	383
104	Voluntary brain processing in disorders of consciousness. Neurology, 2008, 71, 1614-1620.	1.5	818
105	Neuroimaging Insights into the Pathophysiology of Sleep Disorders. Sleep, 2008, 31, 777-794.	0.6	157
106	Instrumental Conditioning of Human Sensorimotor Rhythm (12-15 Hz) and Its Impact on Sleep as Well as Declarative Learning. Sleep, 2008, , .	0.6	47
107	Is there a link between sleep changes and memory in Alzheimer's disease?. NeuroReport, 2008, 19, 1159-1162.	0.6	151
108	Instrumental conditioning of human sensorimotor rhythm (12-15 Hz) and its impact on sleep as well as declarative learning. Sleep, 2008, 31, 1401-8.	0.6	108

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109	Sleep-Related Hippocampo-Cortical Interplay during Emotional Memory Recollection. <i>PLoS Biology</i> , 2007, 5, e282.	2.6	225
110	Wavelength-Dependent Modulation of Brain Responses to a Working Memory Task by Daytime Light Exposure. <i>Cerebral Cortex</i> , 2007, 17, 2788-2795.	1.6	218
111	Sleep transforms the cerebral trace of declarative memories. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 18778-18783.	3.3	338
112	Hemodynamic cerebral correlates of sleep spindles during human non-rapid eye movement sleep. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 13164-13169.	3.3	443
113	How should functional imaging of patients with disorders of consciousness contribute to their clinical rehabilitation needs?. <i>Current Opinion in Neurology</i> , 2006, 19, 520-527.	1.8	70
114	Sleep spindle-related activity in the human EEG and its relation to general cognitive and learning abilities. <i>European Journal of Neuroscience</i> , 2006, 23, 1738-1746.	1.2	229
115	The Significance of Sigma Neurofeedback Training on Sleep Spindles and Aspects of Declarative Memory. <i>Applied Psychophysiology Biofeedback</i> , 2006, 31, 97-114.	1.0	36
116	Brain Response to One's Own Name in Vegetative State, Minimally Conscious State, and Locked-in Syndrome. <i>Archives of Neurology</i> , 2006, 63, 562.	4.9	948
117	Fronto-parietal EEG coherence in theta and upper alpha reflect central executive functions of working memory. <i>International Journal of Psychophysiology</i> , 2005, 57, 97-103.	0.5	661
118	A shift of visual spatial attention is selectively associated with human EEG alpha activity. <i>European Journal of Neuroscience</i> , 2005, 22, 2917-2926.	1.2	708
119	Influence of Midday Naps on Declarative Memory Performance and Motivation. <i>Der Einfluss von Mittagsschlafchen auf deklarative Gedachtnisleistung und Motivation. Somnologie</i> , 2005, 9, 148-153.	0.9	39
120	Increasing Individual Upper Alpha Power by Neurofeedback Improves Cognitive Performance in Human Subjects. <i>Applied Psychophysiology Biofeedback</i> , 2005, 30, 1-10.	1.0	364
121	Dreaming: a neuroimaging view. <i>Swiss Archives of Neurology, Psychiatry and Psychotherapy</i> , 2005, 156, 415-425.	0.2	19
122	EVOKED OSCILLATIONS AND EARLY COMPONENTS OF EVENT-RELATED POTENTIALS: AN ANALYSIS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004, 14, 705-718.	0.7	21
123	Phase-locked alpha and theta oscillations generate the P1-N1 complex and are related to memory performance. <i>Cognitive Brain Research</i> , 2004, 19, 302-316.	3.3	281
124	Theta coupling in the human electroencephalogram during a working memory task. <i>Neuroscience Letters</i> , 2004, 354, 123-126.	1.0	190
125	Sleep Spindles and Their Significance for Declarative Memory Consolidation. <i>Sleep</i> , 2004, 27, 1479-1485.	0.6	509
126	The interplay between theta and alpha oscillations in the human electroencephalogram reflects the transfer of information between memory systems. <i>Neuroscience Letters</i> , 2002, 324, 121-124.	1.0	140

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127	The impact of sleep on three-ball cascade juggling. <i>Frontiers in Human Neuroscience</i> , 0, 9, .	1.0	0