BjÃ¶rn Rasch

List of Publications by Year
in descending order

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102 papers	9,909 citations	81900 39 h-index	42399 92 g-index
108 all docs	108 docs citations	108 times ranked	7479 citing authors

#	Article	IF	Citations
1	The role of cliffhangers in serial entertainment: An experiment on cliffhangersâ€™ effects on enjoyment, arousal, and intention to continue watching.. Psychology of Popular Media, 2023, 12, 186-196.	1.4	2
2	Stress dynamically reduces sleep depth: temporal proximity to the stressor is crucial. Cerebral Cortex, 2022, 33, 96-113.	2.9	8
3	How robust are sleep-mediated memory benefits?. Current Opinion in Neurobiology, 2021, 67, 1-7.	4.2	50
4	Systematic decrease of slowâ€wave sleep after a guided imagery designed to deepen sleep in low hypnotizable subjects. Journal of Sleep Research, 2021, 30, e13168.	3.2	6
5	No evidence for intra-individual correlations between sleep-mediated declarative memory consolidation and slow-wave sleep. Sleep, 2021, 44, .	1.1	14
6	Embodiment of sleepâ€related words: Evidence from eventâ€related potentials. Psychophysiology, 2021, 58, e13824.	2.4	1
7	Exposure to relaxing words during sleep promotes slow-wave sleep and subjective sleep quality. Sleep, 2021, 44, .	1.1	16
8	Aspects of tree shrew consolidated sleep structure resemble human sleep. Communications Biology, 2021, 4, 722.	4.4	10
9	Hypnotic Suggestions Increase Slow-Wave Parameters but Decrease Slow-Wave Spindle Coupling. Nature and Science of Sleep, 2021, Volume 13, 1383-1393.	2.7	4
10	Structural brain differences predict early traumatic memory processing. Psychophysiology, 2020, 57, e13354.	2.4	12
11	HYPNOTIC SUGGESTIONS GIVEN BEFORE NIGHTTIME SLEEP EXTEND SLOW-WAVE SLEEP AS COMPARED TO A CONTROL TEXT IN HIGHLY HYPNOTIZABLE SUBJECTS. International Journal of Clinical and Experimental Hypnosis, 2020, 68, 105-129.	1.8	24
12	Memory quality modulates the effect of aging on memory consolidation during sleep: Reduced maintenance but intact gain. NeuroImage, 2020, 209, 116490.	4.2	25
13	Healthy Sleepers Can Worsen Their Sleep by Wanting to Do so: The Effects of Intention on Objective and Subjective Sleep Parameters . Nature and Science of Sleep, 2020, Volume 12, 981-997.	2.7	5
14	Inducing lucid dreams by olfactory-cued reactivation of reality testing during early-morning sleep: A proof of concept. Consciousness and Cognition, 2020, 83, 102975.	1.5	6
15	No effect of targeted memory reactivation during sleep on retention of vocabulary in adolescents. Scientific Reports, 2020, 10, 4255.	3.3	10
16	Episodic memory consolidation during sleep in healthy aging. Sleep Medicine Reviews, 2020, 52, 101304.	8.5	28
17	Sleep and Plasticity: Do We Consolidate Memories Separately in Each Hemisphere?. Current Biology, 2020, 30, R349-R351.	3.9	0
18	The effect of dream report collection and dream incorporation on memory consolidation during sleep. Journal of Sleep Research, 2019, 28, e12754.	3.2	21

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19	Quantification of Phase-Amplitude Coupling in Neuronal Oscillations: Comparison of Phase-Locking Value, Mean Vector Length, Modulation Index, and Generalized-Linear-Modeling-Cross-Frequency-Coupling. Frontiers in Neuroscience, 2019, 13, 573.	2.8	102
20	Effects of Relaxing Music on Healthy Sleep. Scientific Reports, 2019, 9, 9079.	3.3	46
21	Effects of targeted memory reactivation during sleep at home depend on sleep disturbances and habituation. Npj Science of Learning, 2019, 4, 5.	2.8	26
22	Psychosocial Stress Before a Nap Increases Sleep Latency and Decreases Early Slow-Wave Activity. Frontiers in Psychology, 2019, 10, 20.	2.1	18
23	Precise Slow Oscillationâ€“Spindle Coupling Promotes Memory Consolidation in Younger and Older Adults. Scientific Reports, 2019, 9, 1940.	3.3	151
24	Increased neuronal signatures of targeted memory reactivation during slow-wave up states. Scientific Reports, 2019, 9, 2715.	3.3	57
25	Odor cueing during slow-wave sleep benefits memory independently of low cholinergic tone. Psychopharmacology, 2018, 235, 291-299.	3.1	29
26	To gain or not to gain â€“ The complex role of sleep for memory. Cortex, 2018, 101, 282-287.	2.4	15
27	Reactivation of interference during sleep does not impair ongoing memory consolidation. Memory, 2018, 26, 377-384.	1.7	16
28	Respiratory and cardiac monitoring at night using a wrist wearable optical system. , 2018, 2018, 2861-2864.		11
29	Theta Phase-Coordinated Memory Reactivation Reoccurs in a Slow-Oscillatory Rhythm during NREM Sleep. Cell Reports, 2018, 25, 296-301.	6.4	83
30	No effect of vocabulary reactivation in older adults. Neuropsychologia, 2018, 119, 253-261.	1.6	17
31	Letâ€™s replay. ELife, 2018, 7, .	6.0	2
32	The beneficial role of memory reactivation for language learning during sleep: A review. Brain and Language, 2017, 167, 94-105.	1.6	52
33	Prior knowledge is essential for the beneficial effect of targeted memory reactivation during sleep. Scientific Reports, 2017, 7, 39763.	3.3	42
34	Targeted Reactivation during Sleep Differentially Affects Negative Memories in Socially Anxious and Healthy Children and Adolescents. Journal of Neuroscience, 2017, 37, 2425-2434.	3.6	31
35	Reinforcing Language Learning During Sleep. Studies in Neuroscience, Psychology and Behavioral Economics, 2017, , 347-366.	0.3	0
36	Sleep and language learning. Brain and Language, 2017, 167, 1-2.	1.6	6

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37	Neural correlates of experimental trauma memory retrieval. Human Brain Mapping, 2017, 38, 3592-3602.	3.6	17
38	Work first then play: Prior task difficulty increases motivation-related brain responses in a risk game. Biological Psychology, 2017, 126, 82-88.	2.2	17
39	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.	1.9	35
40	Increasing Explicit Sequence Knowledge by Odor Cueing during Sleep in Men but not Women. Frontiers in Behavioral Neuroscience, 2016, 10, 74.	2.0	24
41	No Evidence for Memory Decontextualization across One Night of Sleep. Frontiers in Human Neuroscience, 2016, 10, 7.	2.0	15
42	Re-presentation of Olfactory Exposure Therapy Success Cues during Non-Rapid Eye Movement Sleep did not Increase Therapy Outcome but Increased Sleep Spindles. Frontiers in Human Neuroscience, 2016, 10, 340.	2.0	18
43	Gamma band directional interactions between basal forebrain and visual cortex during wake and sleep states. Journal of Physiology (Paris), 2016, 110, 19-28.	2.1	18
44	Emotional arousal modulates oscillatory correlates of targeted memory reactivation during NREM, but not REM sleep. Scientific Reports, 2016, 6, 39229.	3.3	79
45	Memory cueing during sleep modifies the interpretation of ambiguous scenes in adolescents and adults. Developmental Cognitive Neuroscience, 2016, 17, 10-18.	4.0	24
46	Motivational incentives lead to a strong increase in lateral prefrontal activity after self-control exertion. Social Cognitive and Affective Neuroscience, 2016, 11, 1618-1626.	3.0	27
47	Sleepâ€™s role in the reconsolidation of declarative memories. Neurobiology of Learning and Memory, 2016, 136, 166-173.	1.9	23
48	Effects of Sleep after Experimental Trauma on Intrusive Emotional Memories. Sleep, 2016, 39, 2125-2132.	1.1	87
49	Sleep benefits emotional and neutral associative memories equally. Somnologie, 2016, 20, 47-53.	1.5	18
50	No Associations between Interindividual Differences in Sleep Parameters and Episodic Memory Consolidation. Sleep, 2015, 38, 951-9.	1.1	69
51	Cueing vocabulary during sleep increases theta activity during later recognition testing. Psychophysiology, 2015, 52, 1538-1543.	2.4	33
52	In search of a role of REM sleep in memory formation. Neurobiology of Learning and Memory, 2015, 122, 1-3.	1.9	15
53	Improving sleep and cognition by hypnotic suggestion in the elderly. Neuropsychologia, 2015, 69, 176-182.	1.6	44
54	Replay of conditioned stimuli during late REM and stage N2 sleep influences affective tone rather than emotional memory strength. Neurobiology of Learning and Memory, 2015, 122, 142-151.	1.9	39

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55	Letter to the Editor: Simply avoiding reactivating fear memory after exposure therapy may help to consolidate fear extinction memory â€“ a reply. Psychological Medicine, 2015, 45, 887-888.	4.5	0
56	Auditory feedback blocks memory benefits of cueing during sleep. Nature Communications, 2015, 6, 8729.	12.8	128
57	The neural correlates of the fear-reducing effects of glucocorticoids in phobia. Psychoneuroendocrinology, 2015, 61, 46-47.	2.7	1
58	Boosting Vocabulary Learning by Verbal Cueing During Sleep. Cerebral Cortex, 2015, 25, 4169-4179.	2.9	149
59	Neural substrates of similarity and rule-based strategies in judgment. Frontiers in Human Neuroscience, 2014, 8, 809.	2.0	10
60	No effect of odor-induced memory reactivation during REM sleep on declarative memory stability. Frontiers in Systems Neuroscience, 2014, 8, 157.	2.5	31
61	Sleep enhances exposure therapy. Psychological Medicine, 2014, 44, 1511-1519.	4.5	114
62	Frontal theta activity reflects distinct aspects of mental fatigue. Biological Psychology, 2014, 96, 57-65.	2.2	289
63	Differential Effects of Non-REM and REM Sleep on Memory Consolidation?. Current Neurology and Neuroscience Reports, 2014, 14, 430.	4.2	169
64	Lunar cycle effects on sleep and the file drawer problem. Current Biology, 2014, 24, R549-R550.	3.9	35
65	Reactivating Memories during Sleep by Odors: Odor Specificity and Associated Changes in Sleep Oscillations. Journal of Cognitive Neuroscience, 2014, 26, 1806-1818.	2.3	89
66	Deepening Sleep by Hypnotic Suggestion. Sleep, 2014, 37, 1143-1152.	1.1	65
67	BAIAP2 Is Related to Emotional Modulation of Human Memory Strength. PLoS ONE, 2014, 9, e83707.	2.5	19
68	Associations between Basal Cortisol Levels and Memory Retrieval in Healthy Young Individuals. Journal of Cognitive Neuroscience, 2013, 25, 1896-1907.	2.3	24
69	Sleep deprivation increases dorsal nexus connectivity to the dorsolateral prefrontal cortex in humans. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19597-19602.	7.1	75
70	About Sleep's Role in Memory. Physiological Reviews, 2013, 93, 681-766.	28.8	2,026
71	The BclI polymorphism of the glucocorticoid receptor gene is associated with emotional memory performance in healthy individuals. Psychoneuroendocrinology, 2013, 38, 1203-1207.	2.7	19
72	The sleeping child outplays the adult's capacity to convert implicit into explicit knowledge. Nature Neuroscience, 2013, 16, 391-393.	14.8	136

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73	A genome-wide survey and functional brain imaging study identify CTNNBL1 as a memory-related gene. Molecular Psychiatry, 2013, 18, 255-263.	7.9	31
74	Suppressing Emotions Impairs Subsequent Stroop Performance and Reduces Prefrontal Brain Activation. PLoS ONE, 2013, 8, e60385.	2.5	58
75	PKCÎ± is genetically linked to memory capacity in healthy subjects and to risk for posttraumatic stress disorder in genocide survivors. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8746-8751.	7.1	61
76	Testosterone levels in healthy men are related to amygdala reactivity and memory performance. Psychoneuroendocrinology, 2012, 37, 1417-1424.	2.7	38
77	Offline consolidation of memory varies with time in slow wave sleep and can be accelerated by cuing memory reactivations. Neurobiology of Learning and Memory, 2012, 98, 103-111.	1.9	137
78	Emotion suppression reduces hippocampal activity during successful memory encoding. NeuroImage, 2012, 63, 525-532.	4.2	22
79	The Memory Function of Noradrenergic Activity in Non-REM Sleep. Journal of Cognitive Neuroscience, 2011, 23, 2582-2592.	2.3	90
80	Statistical Epistasis and Functional Brain Imaging Support a Role of Voltage-Gated Potassium Channels in Human Memory. PLoS ONE, 2011, 6, e29337.	2.5	6
81	Labile or stable: opposing consequences for memory when reactivated during waking and sleep. Nature Neuroscience, 2011, 14, 381-386.	14.8	297
82	No Elevated Plasma Catecholamine Levels during Sleep in Newly Diagnosed, Untreated Hypertensives. PLoS ONE, 2011, 6, e21292.	2.5	1
83	Euglycemic Infusion of Insulin Detemir Compared With Human Insulin Appears to Increase Direct Current Brain Potential Response and Reduces Food Intake While Inducing Similar Systemic Effects. Diabetes, 2010, 59, 1101-1107.	0.6	58
84	Aversive stimuli lead to differential amygdala activation and connectivity patterns depending on catechol-O-methyltransferase Val158Met genotype. NeuroImage, 2010, 52, 1712-1719.	4.2	52
85	Imaging genetics of cognitive functions: Focus on episodic memory. NeuroImage, 2010, 53, 870-877.	4.2	47
86	A genetic variation of the noradrenergic system is related to differential amygdala activation during encoding of emotional memories. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 19191-19196.	7.1	163
87	Impaired Off-Line Consolidation of Motor Memories After Combined Blockade of Cholinergic Receptors During REM Sleep-Rich Sleep. Neuropsychopharmacology, 2009, 34, 1843-1853.	5.4	48
88	Pharmacological REM sleep suppression paradoxically improves rather than impairs skill memory. Nature Neuroscience, 2009, 12, 396-397.	14.8	218
89	Domain-specific learning of grammatical structure in musical and phonological sequences. Memory and Cognition, 2009, 37, 10-20.	1.6	11
90	Reactivation and Consolidation of Memory During Sleep. Current Directions in Psychological Science, 2008, 17, 188-192.	5.3	31

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91	Visualâ€“Procedural Memory Consolidation during Sleep Blocked by Glutamatergic Receptor Antagonists. Journal of Neuroscience, 2008, 28, 5513-5518.	3.6	41
92	Odor Cues During Slow-Wave Sleep Prompt Declarative Memory Consolidation. Science, 2007, 315, 1426-1429.	12.6	1,814
93	Maintaining memories by reactivation. Current Opinion in Neurobiology, 2007, 17, 698-703.	4.2	195
94	Sleep-stage-specific regulation of plasma catecholamine concentration. Psychoneuroendocrinology, 2007, 32, 884-891.	2.7	56
95	PreproTRH(158â€“183) fails to affect pituitary-adrenal response to CRH/vasopressin in man: A pilot study. Neuropeptides, 2007, 41, 233-238.	2.2	2
96	Sleep to Remember. Neuroscientist, 2006, 12, 410-424.	3.5	469
97	Combined Blockade of Cholinergic Receptors Shifts the Brain from Stimulus Encoding to Memory Consolidation. Journal of Cognitive Neuroscience, 2006, 18, 793-802.	2.3	119
98	Brief Sleep After Learning Keeps Emotional Memories Alive for Years. Biological Psychiatry, 2006, 60, 788-790.	1.3	276
99	A 3-day estrogen treatment improves prefrontal cortex-dependent cognitive function in postmenopausal women. Psychoneuroendocrinology, 2006, 31, 965-975.	2.7	72
100	Perspective-taking vs. mental rotation transformations and how they predict spatial navigation performance. Applied Cognitive Psychology, 2006, 20, 397-417.	1.6	160
101	Context Effects in Memory for Routes. Lecture Notes in Computer Science, 2003, , 209-231.	1.3	0
102	Returning the tables: language affects spatial reasoning. Cognition, 2002, 84, 155-188.	2.2	403