

# Jan Born

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

540  
papers

42,622  
citations

102  
h-index

190  
g-index

584  
ext. papers

49,161  
ext. citations

6.1  
avg, IF

7.84  
L-index

#	Paper	IF	Citations
540	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> , <b>2021</b> , 41, 4212-4222	6.6	5
539	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> , <b>2020</b> , 117, 10983-10988	11.5	1
538	Consolidation of Reward Memory during Sleep Does Not Require Dopaminergic Activation. <i>Journal of Cognitive Neuroscience</i> , <b>2020</b> , 32, 1688-1703	3.1	5
537	Susceptibility to auditory closed-loop stimulation of sleep slow oscillations changes with age. <i>Sleep</i> , <b>2020</b> , 43,	1.1	10
536	Sleep-dependent memory consolidation in infants protects new episodic memories from existing semantic memories. <i>Nature Communications</i> , <b>2020</b> , 11, 1298	17.4	15
535	A Backup of Hippocampal Spatial Code outside the Hippocampus? New Light on Systems Memory Consolidation. <i>Neuron</i> , <b>2020</b> , 106, 204-206	13.9	1
534	Deepened sleep makes hippocampal spatial memory more persistent. <i>Neurobiology of Learning and Memory</i> , <b>2020</b> , 173, 107245	3.1	0
533	Temporal associations between sleep slow oscillations, spindles and ripples. <i>European Journal of Neuroscience</i> , <b>2020</b> , 52, 4762-4778	3.5	8
532	Reactivation during sleep with incomplete reminder cues rather than complete ones stabilizes long-term memory in humans. <i>Communications Biology</i> , <b>2020</b> , 3, 733	6.7	4
531	Neurochemical mechanisms for memory processing during sleep: basic findings in humans and neuropsychiatric implications. <i>Neuropsychopharmacology</i> , <b>2020</b> , 45, 31-44	8.7	15
530	Mechanisms of systems memory consolidation during sleep. <i>Nature Neuroscience</i> , <b>2019</b> , 22, 1598-1610	25.5	208
529	Sleep and the Balance between Memory and Forgetting. <i>Cell</i> , <b>2019</b> , 179, 289-291	56.2	11
528	The expression of allocentric object-place recognition memory during development. <i>Behavioural Brain Research</i> , <b>2019</b> , 372, 112013	3.4	4
527	Signs of enhanced formation of gist memory in children with autism spectrum disorder - a study of memory functions of sleep. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , <b>2019</b> , 60, 907-916	7.9	9
526	G-coupled receptor signaling and sleep regulate integrin activation of human antigen-specific T cells. <i>Journal of Experimental Medicine</i> , <b>2019</b> , 216, 517-526	16.6	28
525	Sleep-dependent consolidation patterns reveal insights into episodic memory structure. <i>Neurobiology of Learning and Memory</i> , <b>2019</b> , 160, 67-72	3.1	0
524	Sleep's benefits to emotional processing emerge in the long term. <i>Cortex</i> , <b>2019</b> , 120, 457-470	3.8	9

523	Sleep Matters: CD4 T Cell Memory Formation and the Central Nervous System. <i>Trends in Immunology</i> , <b>2019</b> , 40, 674-686	14.4	7
522	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> , <b>2019</b> , 22, e12743	4.5	16
521	Insights on auditory closed-loop stimulation targeting sleep spindles in slow oscillation up-states. <i>Journal of Neuroscience Methods</i> , <b>2019</b> , 316, 117-124	3	28
520	Hippocampal Dentate Gyrus Atrophy Predicts Pattern Separation Impairment in Patients with LGI1 Encephalitis. <i>Neuroscience</i> , <b>2019</b> , 400, 120-131	3.9	14
519	Back to baseline: sleep recalibrates synapses. <i>Nature Neuroscience</i> , <b>2019</b> , 22, 149-151	25.5	10
518	Effects of sleep on the realization of complex plans. <i>Journal of Sleep Research</i> , <b>2019</b> , 28, e12655	5.8	7
517	Sleep stage dynamics in neocortex and hippocampus. <i>Sleep</i> , <b>2018</b> , 41,	1.1	18
516	Insulin and Estrogen Independently and Differentially Reduce Macronutrient Intake in Healthy Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2018</b> , 103, 1393-1401	5.6	4
515	Odor cueing during slow-wave sleep benefits memory independently of low cholinergic tone. <i>Psychopharmacology</i> , <b>2018</b> , 235, 291-299	4.7	20
514	Phase-Amplitude Coupling: A General Mechanism for Memory Processing and Synaptic Plasticity?. <i>Neuron</i> , <b>2018</b> , 97, 10-13	13.9	35
513	More Effective Consolidation of Episodic Long-Term Memory in Children Than Adults-Unrelated to Sleep. <i>Child Development</i> , <b>2018</b> , 89, 1720-1734	4.9	6
512	Reactivation of interference during sleep does not impair ongoing memory consolidation. <i>Memory</i> , <b>2018</b> , 26, 377-384	1.8	9
511	Wakefulness rather than sleep benefits extinction of an inhibitory operant conditioning memory in Aplysia. <i>Neurobiology of Learning and Memory</i> , <b>2018</b> , 155, 306-312	3.1	1
510	Dissociating Long and Short-term Memory in Three-Month-Old Infants Using the Mismatch Response to Voice Stimuli. <i>Frontiers in Psychology</i> , <b>2018</b> , 9, 31	3.4	4
509	Overnight memory consolidation facilitates rather than interferes with new learning of similar materials-a study probing NMDA receptors. <i>Neuropsychopharmacology</i> , <b>2018</b> , 43, 2292-2298	8.7	5
508	Sleep augments training-induced improvement in working memory in children and adults. <i>Neurobiology of Learning and Memory</i> , <b>2018</b> , 147, 46-53	3.1	17
507	The hippocampus is crucial for forming non-hippocampal long-term memory during sleep. <i>Nature</i> , <b>2018</b> , 564, 109-113	50.4	68
506	Variable training but not sleep improves consolidation of motor adaptation. <i>Scientific Reports</i> , <b>2018</b> , 8, 15977	4.9	8

505	Cortical circuit activity underlying sleep slow oscillations and spindles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E9220-E9229	11.5	95
504	Sleep Strengthens Predictive Sequence Coding. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 8989-9000	6.6	13
503	Sleep divergently affects cognitive and automatic emotional response in children. <i>Neuropsychologia</i> , <b>2018</b> , 117, 84-91	3.2	24
502	Activated integrins identify functional antigen-specific CD8 T cells within minutes after antigen stimulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E5536-E5545	11.5	15
501	Effects of tDCS on motor learning and memory formation: A consensus and critical position paper. <i>Clinical Neurophysiology</i> , <b>2017</b> , 128, 589-603	4.3	166
500	A Role of Sleep in Forming Predictive Codes. <i>Studies in Neuroscience, Psychology and Behavioral Economics</i> , <b>2017</b> , 117-132	1.8	6
499	Sleep Supports the Slow Abstraction of Gist from Visual Perceptual Memories. <i>Scientific Reports</i> , <b>2017</b> , 7, 42950	4.9	32
498	Coordinated infraslow neural and cardiac oscillations mark fragility and offline periods in mammalian sleep. <i>Science Advances</i> , <b>2017</b> , 3, e1602026	14.3	74
497	Sculpting memory during sleep: concurrent consolidation and forgetting. <i>Current Opinion in Neurobiology</i> , <b>2017</b> , 44, 20-27	7.6	86
496	Sleep enhances knowledge of routes and regions in spatial environments. <i>Learning and Memory</i> , <b>2017</b> , 24, 140-144	2.8	8
495	Night sleep in patients with vegetative state. <i>Journal of Sleep Research</i> , <b>2017</b> , 26, 629-640	5.8	28
494	Sleep supports inhibitory operant conditioning memory in. <i>Learning and Memory</i> , <b>2017</b> , 24, 252-256	2.8	3
493	Intranasal insulin decreases circulating cortisol concentrations during early sleep in elderly humans. <i>Neurobiology of Aging</i> , <b>2017</b> , 54, 170-174	5.6	13
492	The Sleeping Infant Brain Anticipates Development. <i>Current Biology</i> , <b>2017</b> , 27, 2374-2380.e3	6.3	35
491	Blindfolding during wakefulness causes decrease in sleep slow wave activity. <i>Physiological Reports</i> , <b>2017</b> , 5, e13239	2.6	7
490	Sleep increases explicit solutions and reduces intuitive judgments of semantic coherence. <i>Learning and Memory</i> , <b>2017</b> , 24, 641-645	2.8	1
489	Sleep in Humans Stabilizes Pattern Separation Performance. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 12238-12246	12.4	26
488	Thalamic Spindles Promote Memory Formation during Sleep through Triple Phase-Locking of Cortical, Thalamic, and Hippocampal Rhythms. <i>Neuron</i> , <b>2017</b> , 95, 424-435.e6	13.9	223

487	Children's initial sleep-associated changes in motor skill are unrelated to long-term skill levels. <i>Developmental Science</i> , <b>2017</b> , 20, e12463	4.5	8
486	Motor skill learning and offline-changes in TGA patients with acute hippocampal CA1 lesions. <i>Cortex</i> , <b>2017</b> , 89, 156-168	3.8	11
485	Signs of enhanced sleep and sleep-associated memory processing following the anti-inflammatory antibiotic minocycline in men. <i>Journal of Psychopharmacology</i> , <b>2017</b> , 31, 204-210	4.6	4
484	Auditory closed-loop stimulation of EEG slow oscillations strengthens sleep and signs of its immune-supportive function. <i>Nature Communications</i> , <b>2017</b> , 8, 1984	17.4	60
483	Effects of Sleep on Word Pair Memory in Children - Separating Item and Source Memory Aspects. <i>Frontiers in Psychology</i> , <b>2017</b> , 8, 1533	3.4	6
482	Sleep Enhances Recognition Memory for Conspecifics as Bound into Spatial Context. <i>Frontiers in Behavioral Neuroscience</i> , <b>2017</b> , 11, 28	3.5	5
481	Post-Learning Sleep Transiently Boosts Context Specific Operant Extinction Memory. <i>Frontiers in Behavioral Neuroscience</i> , <b>2017</b> , 11, 74	3.5	2
480	Plasticity during Sleep Is Linked to Specific Regulation of Cortical Circuit Activity. <i>Frontiers in Neural Circuits</i> , <b>2017</b> , 11, 65	3.5	37
479	Central Nervous Insulin Signaling in Sleep-Associated Memory Formation and Neuroendocrine Regulation. <i>Neuropsychopharmacology</i> , <b>2016</b> , 41, 1540-50	8.7	21
478	Oxytocin's inhibitory effect on food intake is stronger in obese than normal-weight men. <i>International Journal of Obesity</i> , <b>2016</b> , 40, 1707-1714	5.5	87
477	Consolidation of Prospective Memory: Effects of Sleep on Completed and Reinstated Intentions. <i>Frontiers in Psychology</i> , <b>2016</b> , 7, 2025	3.4	15
476	A Thalamocortical Neural Mass Model of the EEG during NREM Sleep and Its Response to Auditory Stimulation. <i>PLoS Computational Biology</i> , <b>2016</b> , 12, e1005022	5	17
475	Increasing Explicit Sequence Knowledge by Odor Cueing during Sleep in Men but not Women. <i>Frontiers in Behavioral Neuroscience</i> , <b>2016</b> , 10, 74	3.5	22
474	tACS Phase Locking of Frontal Midline Theta Oscillations Disrupts Working Memory Performance. <i>Frontiers in Cellular Neuroscience</i> , <b>2016</b> , 10, 120	6.1	35
473	The Limited Capacity of Sleep-Dependent Memory Consolidation. <i>Frontiers in Psychology</i> , <b>2016</b> , 7, 1368	3.4	20
472	Modeling the effect of sleep regulation on a neural mass model. <i>Journal of Computational Neuroscience</i> , <b>2016</b> , 41, 15-28	1.4	13
471	Spindle activity phase-locked to sleep slow oscillations. <i>NeuroImage</i> , <b>2016</b> , 134, 607-616	7.9	55
470	Sleep-Stage-Specific Regulation of Cortical Excitation and Inhibition. <i>Current Biology</i> , <b>2016</b> , 26, 2739-2749	3	59

469	Nocturnal sleep uniformly reduces numbers of different T-cell subsets in the blood of healthy men. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2016</b> , 311, R637-R642	3.2	9
468	Sleep's role in the reconsolidation of declarative memories. <i>Neurobiology of Learning and Memory</i> , <b>2016</b> , 136, 166-173	3.1	16
467	Sleep and memory in mammals, birds and invertebrates. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2015</b> , 50, 103-19	9	93
466	Peripheral and central blockade of interleukin-6 trans-signaling differentially affects sleep architecture. <i>Brain, Behavior, and Immunity</i> , <b>2015</b> , 50, 178-185	16.6	21
465	Generalization of word meanings during infant sleep. <i>Nature Communications</i> , <b>2015</b> , 6, 6004	17.4	118
464	Deprivation and Recovery of Sleep in Succession Enhances Reflexive Motor Behavior. <i>Cerebral Cortex</i> , <b>2015</b> , 25, 4610-8	5.1	4
463	Role of sleep for encoding of emotional memory. <i>Neurobiology of Learning and Memory</i> , <b>2015</b> , 121, 72-9	3.1	27
462	Driving sleep slow oscillations by auditory closed-loop stimulation-a self-limiting process. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 6630-8	6.6	111
461	System consolidation during sleep - a common principle underlying psychological and immunological memory formation. <i>Trends in Neurosciences</i> , <b>2015</b> , 38, 585-597	13.3	39
460	The Consolidation and Transformation of Memory. <i>Neuron</i> , <b>2015</b> , 88, 20-32	13.9	315
459	The role of sleep in motor sequence consolidation: stabilization rather than enhancement. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 6696-702	6.6	68
458	Nasal heterotopia versus pilocytic astrocytoma: A narrow border. <i>Neurochirurgie</i> , <b>2015</b> , 61, 279-82	1.4	3
457	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> , <b>2015</b> , 122, 122-30	3.1	48
456	Central nervous insulin administration does not potentiate the acute gluoregulatory impact of concurrent mild hyperinsulinemia. <i>Diabetes</i> , <b>2015</b> , 64, 760-5	0.9	28
455	Sleep, Don't Sneeze: Longer Sleep Reduces the Risk of Catching a Cold. <i>Sleep</i> , <b>2015</b> , 38, 1341-2	1.1	2
454	State-dependencies of learning across brain scales. <i>Frontiers in Computational Neuroscience</i> , <b>2015</b> , 9, 1	3.5	57
453	Effects of an interleukin-1 receptor antagonist on human sleep, sleep-associated memory consolidation, and blood monocytes. <i>Brain, Behavior, and Immunity</i> , <b>2015</b> , 47, 178-85	16.6	22
452	Neuroscience. Exploiting sleep to modify bad attitudes. <i>Science</i> , <b>2015</b> , 348, 971-2	33.3	3

451	Differential acute effects of sleep on spontaneous and stimulated production of tumor necrosis factor in men. <i>Brain, Behavior, and Immunity</i> , <b>2015</b> , 47, 201-10	16.6	25
450	Emotional memory can be persistently weakened by suppressing cortisol during retrieval. <i>Neurobiology of Learning and Memory</i> , <b>2015</b> , 119, 102-7	3.1	21
449	Sleep, synaptic connectivity, and hippocampal memory during early development. <i>Trends in Cognitive Sciences</i> , <b>2014</b> , 18, 141-52	14	67
448	Cortisol increases CXCR4 expression but does not affect CD62L and CCR7 levels on specific T cell subsets in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2014</b> , 306, E1322-9	6	17
447	Reactivating memories during sleep by odors: odor specificity and associated changes in sleep oscillations. <i>Journal of Cognitive Neuroscience</i> , <b>2014</b> , 26, 1806-18	3.1	68
446	Transcranial slow oscillation stimulation during sleep enhances memory consolidation in rats. <i>Brain Stimulation</i> , <b>2014</b> , 7, 508-15	5.1	42
445	Oxytocin impact on social face processing is stronger in homosexual than heterosexual men. <i>Psychoneuroendocrinology</i> , <b>2014</b> , 39, 194-203	5	37
444	No effect of odor-induced memory reactivation during REM sleep on declarative memory stability. <i>Frontiers in Systems Neuroscience</i> , <b>2014</b> , 8, 157	3.5	22
443	Intranasal angiotensin II in humans reduces blood pressure when angiotensin II type 1 receptors are blocked. <i>Hypertension</i> , <b>2014</b> , 63, 762-7	8.5	3
442	Role of $\beta$ -aminobutyric acid signalling in the attenuation of counter-regulatory hormonal responses after antecedent hypoglycaemia in healthy men. <i>Diabetes, Obesity and Metabolism</i> , <b>2014</b> , 16, 1274-8	6.7	3
441	Dopamine D2-like receptor activation wipes out preferential consolidation of high over low reward memories during human sleep. <i>Journal of Cognitive Neuroscience</i> , <b>2014</b> , 26, 2310-20	3.1	66
440	Role of slow oscillatory activity and slow wave sleep in consolidation of episodic-like memory in rats. <i>Behavioural Brain Research</i> , <b>2014</b> , 275, 126-30	3.4	27
439	Sleep benefits in parallel implicit and explicit measures of episodic memory. <i>Learning and Memory</i> , <b>2014</b> , 21, 190-8	2.8	28
438	Hippocampal corticosterone impairs memory consolidation during sleep but improves consolidation in the wake state. <i>Hippocampus</i> , <b>2014</b> , 24, 510-5	3.5	25
437	Mineralocorticoid receptor signaling reduces numbers of circulating human naïve T cells and increases their CD62L, CCR7, and CXCR4 expression. <i>European Journal of Immunology</i> , <b>2014</b> , 44, 1759-69	6.1	18
436	Endogenous glucocorticoid receptor signaling drives rhythmic changes in human T-cell subset numbers and the expression of the chemokine receptor CXCR4. <i>FASEB Journal</i> , <b>2014</b> , 28, 67-75	0.9	50
435	Sleep enhances inhibitory behavioral control in discrimination learning in rats. <i>Experimental Brain Research</i> , <b>2014</b> , 232, 1469-77	2.3	7
434	Oxytocin reduces reward-driven food intake in humans. <i>Diabetes</i> , <b>2013</b> , 62, 3418-25	0.9	160



433	Sleep-dependent declarative memory consolidation--unaffected after blocking NMDA or AMPA receptors but enhanced by NMDA coagonist D-cycloserine. <i>Neuropsychopharmacology</i> , <b>2013</b> , 38, 2688-97	8.7	56
432	About sleep's role in memory. <i>Physiological Reviews</i> , <b>2013</b> , 93, 681-766	47.9	1400
431	Induction of slow oscillations by rhythmic acoustic stimulation. <i>Journal of Sleep Research</i> , <b>2013</b> , 22, 22-31	5.8	84
430	The role of REM sleep in the processing of emotional memories: evidence from behavior and event-related potentials. <i>Neurobiology of Learning and Memory</i> , <b>2013</b> , 99, 1-9	3.1	136
429	Differential contribution of mineralocorticoid and glucocorticoid receptors to memory formation during sleep. <i>Psychoneuroendocrinology</i> , <b>2013</b> , 38, 2962-72	5	32
428	The role of sleep and sleep deprivation in consolidating fear memories. <i>NeuroImage</i> , <b>2013</b> , 75, 87-96	7.9	100
427	The sleeping child outplays the adult's capacity to convert implicit into explicit knowledge. <i>Nature Neuroscience</i> , <b>2013</b> , 16, 391-3	25.5	99
426	Fragmentation of slow wave sleep after onset of complete locked-in state. <i>Journal of Clinical Sleep Medicine</i> , <b>2013</b> , 9, 951-3	3.1	18
425	Transcranial slow oscillation stimulation during NREM sleep enhances acquisition of the radial maze task and modulates cortical network activity in rats. <i>Frontiers in Behavioral Neuroscience</i> , <b>2013</b> , 7, 220	3.5	28
424	Napping to renew learning capacity: enhanced encoding after stimulation of sleep slow oscillations. <i>European Journal of Neuroscience</i> , <b>2013</b> , 37, 1142-51	3.5	104
423	Auditory closed-loop stimulation of the sleep slow oscillation enhances memory. <i>Neuron</i> , <b>2013</b> , 78, 545-53	53.9	451
422	Sleep for preserving and transforming episodic memory. <i>Annual Review of Neuroscience</i> , <b>2013</b> , 36, 79-102	27	153
421	Sleep-dependency of episodic-like memory consolidation in rats. <i>Behavioural Brain Research</i> , <b>2013</b> , 237, 15-22	3.4	107
420	Protein v. carbohydrate intake differentially affects liking- and wanting-related brain signalling. <i>British Journal of Nutrition</i> , <b>2013</b> , 109, 376-81	3.6	13
419	NMDA receptor blockade by memantine does not prevent adaptation to recurrent hypoglycaemia in healthy men. <i>Diabetes, Obesity and Metabolism</i> , <b>2013</b> , 15, 310-5	6.7	4
418	Blocking mineralocorticoid receptors impairs, blocking glucocorticoid receptors enhances memory retrieval in humans. <i>Neuropsychopharmacology</i> , <b>2013</b> , 38, 884-94	8.7	67
417	Slow wave sleep induced by GABA agonist tiagabine fails to benefit memory consolidation. <i>Sleep</i> , <b>2013</b> , 36, 1317-26	1.1	52
416	Differential effects on fast and slow spindle activity, and the sleep slow oscillation in humans with carbamazepine and flunarizine to antagonize voltage-dependent Na <sup>+</sup> and Ca <sup>2+</sup> channel activity. <i>Sleep</i> , <b>2013</b> , 36, 905-11	1.1	62



415	Sleep to implement an intention. <i>Sleep</i> , <b>2013</b> , 36, 149-53	1.1	90
414	Sleep improves prospective remembering by facilitating spontaneous-associative retrieval processes. <i>PLoS ONE</i> , <b>2013</b> , 8, e77621	3.7	35
413	The partitioning of Africa: statistically defined biogeographical regions in sub-Saharan Africa. <i>Journal of Biogeography</i> , <b>2012</b> , 39, 1189-1205	4.1	222
412	Meal anticipation potentiates postprandial ghrelin suppression in humans. <i>Psychoneuroendocrinology</i> , <b>2012</b> , 37, 1096-100	5	16
411	High HPA-axis activation disrupts the link between liking and wanting with liking and wanting related brain signaling. <i>Physiology and Behavior</i> , <b>2012</b> , 105, 321-4	3.5	11
410	Sleep-dependent consolidation of procedural motor memories in children and adults: the pre-sleep level of performance matters. <i>Developmental Science</i> , <b>2012</b> , 15, 506-15	4.5	100
409	Intranasal administration of insulin to the brain impacts cognitive function and peripheral metabolism. <i>Diabetes, Obesity and Metabolism</i> , <b>2012</b> , 14, 214-21	6.7	91
408	Sleep and immune function. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2012</b> , 463, 121-37	4.6	482
407	System consolidation of memory during sleep. <i>Psychological Research</i> , <b>2012</b> , 76, 192-203	2.5	335
406	Sleep-dependent memory consolidation--what can be learnt from children?. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2012</b> , 36, 1718-28	9	104
405	Sleep enhances memory consolidation in the hippocampus-dependent object-place recognition task in rats. <i>Neurobiology of Learning and Memory</i> , <b>2012</b> , 97, 213-9	3.1	57
404	Offline consolidation of memory varies with time in slow wave sleep and can be accelerated by cuing memory reactivations. <i>Neurobiology of Learning and Memory</i> , <b>2012</b> , 98, 103-11	3.1	117
403	Trends in 393 necrotizing acute soft tissue infection patients 2000-2008. <i>Burns</i> , <b>2012</b> , 38, 252-60	2.3	54
402	Blockade of mineralocorticoid receptors enhances naïve T-helper cell counts during early sleep in humans. <i>Brain, Behavior, and Immunity</i> , <b>2012</b> , 26, 1116-21	16.6	13
401	Grouping of MEG gamma oscillations by EEG sleep spindles. <i>NeuroImage</i> , <b>2012</b> , 59, 1491-500	7.9	29
400	Sleep spindle-related reactivation of category-specific cortical regions after learning face-scene associations. <i>NeuroImage</i> , <b>2012</b> , 59, 2733-42	7.9	157
399	EEG-guided transcranial magnetic stimulation reveals rapid shifts in motor cortical excitability during the human sleep slow oscillation. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 243-53	6.6	123
398	Sleep EEG Rhythms and System Consolidation of Memory <b>2012</b> , 187-226		3

397	Sleep to upscale, sleep to downscale: balancing homeostasis and plasticity. <i>Neuron</i> , <b>2012</b> , 75, 933-5	13.9	47
396	Increased alpha (8-12 Hz) activity during slow wave sleep as a marker for the transition from implicit knowledge to explicit insight. <i>Journal of Cognitive Neuroscience</i> , <b>2012</b> , 24, 119-32	3.1	47
395	Satiating capacity and post-prandial relationships between appetite parameters and gut-peptide concentrations with solid and liquefied carbohydrate. <i>PLoS ONE</i> , <b>2012</b> , 7, e42110	3.7	11
394	Skill memory escaping from distraction by sleep--evidence from dual-task performance. <i>PLoS ONE</i> , <b>2012</b> , 7, e50983	3.7	11
393	From cancer genomes to oncogenic drivers, tumour dependencies and therapeutic targets. <i>Nature Reviews Cancer</i> , <b>2012</b> , 12, 572-8	31.3	66
392	Diurnal rhythm of circulating nicotinamide phosphoribosyltransferase (Nampt/visfatin/PBEF): impact of sleep loss and relation to glucose metabolism. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2012</b> , 97, E218-22	5.6	37
391	Food anticipation and subsequent food withdrawal increase serum cortisol in healthy men. <i>Physiology and Behavior</i> , <b>2011</b> , 103, 594-9	3.5	16
390	Sleep selectively enhances memory expected to be of future relevance. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 1563-9	6.6	305
389	Brain Stimulation During Sleep. <i>Sleep Medicine Clinics</i> , <b>2011</b> , 6, 85-95	3.6	8
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81	Norepinephrine amplifies effects of vasopressin on the isolated rat heart. <i>Regulatory Peptides</i> , <b>1992</b> , 39, 35-41		
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79	Attention, cognition, and motor perseveration in adolescents at genetic risk for schizophrenia and control subjects. <i>Psychiatry Research</i> , <b>1992</b> , 44, 125-40	9.9	25
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77	Vasopressin regulates human sleep by reducing rapid-eye-movement sleep. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>1992</b> , 262, E295-300	6	11
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70	Vasopressin and oxytocin do not influence early sensory processing but affect mood and activation in man. <i>Peptides</i> , <b>1991</b> , 12, 1385-91	3.8	24
69	Behavioral effects of neurohypophyseal peptides in healthy volunteers: 10 years of research. <i>Peptides</i> , <b>1991</b> , 12, 1399-406	3.8	41
68	Sleep disruption alters nocturnal ACTH and cortisol secretory patterns. <i>Biological Psychiatry</i> , <b>1991</b> , 29, 575-84	7.9	202
67	Endogenous event-related brain potentials and psychometric performance in children at risk for schizophrenia. <i>Biological Psychiatry</i> , <b>1991</b> , 30, 177-89	7.9	29
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65	Evidence for entrainment of nocturnal cortisol secretion to sleep processes in human beings. <i>Neuroendocrinology</i> , <b>1991</b> , 53, 171-6	5.6	10
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60	Time course of ACTH 4-10 effects on human attention. <i>Neuroendocrinology</i> , <b>1990</b> , 52, 169-74	5.6	17
59	Influences of the cholecystokinin analog ceruletide on human sleep and evoked potentials. <i>Neuropsychobiology</i> , <b>1990</b> , 23, 41-7	4	9
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50	A mesoderm-inducing factor from a <i>Xenopus laevis</i> cell line : Chemical properties and relation to the vegetalizing factor from chicken embryos. <i>Roux's Archives of Developmental Biology</i> , <b>1989</b> , 198, 8-13		14
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45	Formation of dibenzodioxins and chlorobenzenes in fly ash catalyzed reactions of monochlorophenols. <i>Chemosphere</i> , <b>1989</b> , 19, 1629-1633	8.4	22
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40	Vasopressin but not oxytocin enhances cortical arousal: an integrative hypothesis on behavioral effects of neurohypophyseal hormones. <i>Psychopharmacology</i> , <b>1988</b> , 94, 496-500	4.7	60
39	VEP, physiological and psychological circadian variations in humans. <i>Journal of Neurology</i> , <b>1988</b> , 235, 308-13	5.5	26
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36	The significance of sleep onset and slow wave sleep for nocturnal release of growth hormone (GH) and cortisol. <i>Psychoneuroendocrinology</i> , <b>1988</b> , 13, 233-43	5	152
35	Influences of partial REM sleep deprivation and awakenings on nocturnal cortisol release. <i>Biological Psychiatry</i> , <b>1988</b> , 24, 801-11	7.9	22
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33	Effects of DGAVP on verbal memory. <i>Peptides</i> , <b>1988</b> , 9, 1361-6	3.8	13
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28	Mesoderm-inducing factors. Their possible relationship to heparin-binding growth factors and transforming growth factor-beta. <i>Die Naturwissenschaften</i> , <b>1987</b> , 74, 604-6	2	37
27	Dose-dependent influences on electrophysiological signs of attention in humans after neuropeptide ACTH 4-10. <i>Experimental Brain Research</i> , <b>1987</b> , 67, 85-92	2.3	60
26	Affinity chromatography of embryonic inducing factors on heparin-Sepharose. <i>Cell Differentiation</i> , <b>1987</b> , 21, 131-6		13
25	Cortisol effects on attentional processes in man as indicated by event-related potentials. <i>Psychophysiology</i> , <b>1987</b> , 24, 286-92	4.1	81
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21	Relationships between sleep stages and plasma cortisol: a single case study. <i>European Journal of Endocrinology</i> , <b>1986</b> , 111, 264-70	6.5	14
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19	Vasopressin and electrophysiological signs of attention in man. <i>Peptides</i> , <b>1986</b> , 7, 189-93	3.8	70
18	ACTH and attention in humans: a review. <i>Neuropsychobiology</i> , <b>1986</b> , 15, 165-86	4	37
17	Influences of corticosteroids, dexamethasone and hydrocortisone on sleep in humans. <i>Neuropsychobiology</i> , <b>1986</b> , 16, 198-204	4	66
16	Effects of an ACTH 4-9 analog on auditory evoked brainstem responses and middle latency responses. <i>Pharmacology Biochemistry and Behavior</i> , <b>1985</b> , 23, 367-72	3.9	1
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8	Human memory and neurohypophyseal hormones: opposite effects of vasopressin and oxytocin. <i>Psychoneuroendocrinology</i> , <b>1984</b> , 9, 285-92	5	84
7	Neural induction in amphibians : Transmission of a neuralizing factor. <i>Wilhelm Roux's Archives of Developmental Biology</i> , <b>1983</b> , 192, 45-47		19
6	Radioiodination with <sup>125</sup> I and reductive methylation with tritium of a vegetalizing inducer protein. Specific radio-activities and effect on biological activity. <i>Hoppe-Seyler's Zeitschrift für Physiologische Chemie</i> , <b>1982</b> , 363, 563-71		4
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4	Protective Effect of Insulin against Hypoglycemia-Associated Counterregulatory Failure		9
3	Glucose Metabolism Rather Than Insulin Is a Main Determinant of Leptin Secretion in Humans		29
2	Susceptibility to auditory closed-loop stimulation of sleep slow oscillations changes with age		1

- 1 Vast amounts of encoded items nullify but do not reverse the effect of sleep on declarative memory 3