

Jan Born

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3280186/jan-born-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	The memory function of sleep. <i>Nature Reviews Neuroscience</i> , 2010 , 11, 114-26	13.5	2249
539	About sleep's role in memory. <i>Physiological Reviews</i> , 2013 , 93, 681-766	47.9	1400
538	Boosting slow oscillations during sleep potentiates memory. <i>Nature</i> , 2006 , 444, 610-3	50.4	1312
537	Odor cues during slow-wave sleep prompt declarative memory consolidation. <i>Science</i> , 2007 , 315, 1426-9	33.3	1291
536	Effects of early and late nocturnal sleep on declarative and procedural memory. <i>Journal of Cognitive Neuroscience</i> , 1997 , 9, 534-47	3.1	835
535	Sleep inspires insight. <i>Nature</i> , 2004 , 427, 352-5	50.4	728
534	Learning-dependent increases in sleep spindle density. <i>Journal of Neuroscience</i> , 2002 , 22, 6830-4	6.6	620
533	Intranasal insulin improves memory in humans. <i>Psychoneuroendocrinology</i> , 2004 , 29, 1326-34	5	529
532	Sleep and immune function. <i>Pflügers Archiv European Journal of Physiology</i> , 2012 , 463, 121-37	4.6	482
531	Sleep forms memory for finger skills. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 11987-91	11.5	475
530	The contribution of sleep to hippocampus-dependent memory consolidation. <i>Trends in Cognitive Sciences</i> , 2007 , 11, 442-50	14	463
529	The parallel genetic algorithm as function optimizer. <i>Parallel Computing</i> , 1991 , 17, 619-632	1	458
528	Auditory closed-loop stimulation of the sleep slow oscillation enhances memory. <i>Neuron</i> , 2013 , 78, 545-53	53.9	451
527	Sniffing neuropeptides: a transnasal approach to the human brain. <i>Nature Neuroscience</i> , 2002 , 5, 514-6	25.5	450
526	Grouping of spindle activity during slow oscillations in human non-rapid eye movement sleep. <i>Journal of Neuroscience</i> , 2002 , 22, 10941-7	6.6	444
525	Early sleep triggers memory for early visual discrimination skills. <i>Nature Neuroscience</i> , 2000 , 3, 1335-9	25.5	436
524	Transcranial direct current stimulation during sleep improves declarative memory. <i>Journal of Neuroscience</i> , 2004 , 24, 9985-92	6.6	411

523	Emotional memory formation is enhanced across sleep intervals with high amounts of rapid eye movement sleep. <i>Learning and Memory</i> , 2001 , 8, 112-9	2.8	406
522	The whats and whens of sleep-dependent memory consolidation. <i>Sleep Medicine Reviews</i> , 2009 , 13, 309-20.2	2.2	390
521	Sleep to remember. <i>Neuroscientist</i> , 2006 , 12, 410-24	7.6	379
520	Is the cortisol awakening rise a response to awakening?. <i>Psychoneuroendocrinology</i> , 2007 , 32, 358-66	5	338
519	The selfish brain: competition for energy resources. <i>Neuroscience and Biobehavioral Reviews</i> , 2004 , 28, 143-80	9	337
518	System consolidation of memory during sleep. <i>Psychological Research</i> , 2012 , 76, 192-203	2.5	335
517	Low acetylcholine during slow-wave sleep is critical for declarative memory consolidation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 2140-4	11.5	335
516	Effects of sleep and circadian rhythm on the human immune system. <i>Annals of the New York Academy of Sciences</i> , 2010 , 1193, 48-59	6.5	334
515	Declarative memory consolidation: mechanisms acting during human sleep. <i>Learning and Memory</i> , 2004 , 11, 679-85	2.8	334
514	The Consolidation and Transformation of Memory. <i>Neuron</i> , 2015 , 88, 20-32	13.9	315
513	Sleep selectively enhances memory expected to be of future relevance. <i>Journal of Neuroscience</i> , 2011 , 31, 1563-9	6.6	305
512	Fast and slow spindles during the sleep slow oscillation: disparate coalescence and engagement in memory processing. <i>Sleep</i> , 2011 , 34, 1411-21	1.1	303
511	Temporal coupling of parahippocampal ripples, sleep spindles and slow oscillations in humans. <i>Brain</i> , 2007 , 130, 2868-78	11.2	282
510	Effects of early and late nocturnal sleep on priming and spatial memory. <i>Psychophysiology</i> , 1999 , 36, 571-582	4.1	280
509	Sleep after learning aids memory recall. <i>Learning and Memory</i> , 2006 , 13, 259-62	2.8	269
508	Short-term sleep loss decreases physical activity under free-living conditions but does not increase food intake under time-deprived laboratory conditions in healthy men. <i>American Journal of Clinical Nutrition</i> , 2009 , 90, 1476-82	7	268
507	Improving influence of insulin on cognitive functions in humans. <i>Neuroendocrinology</i> , 2001 , 74, 270-80	5.6	256
506	Labile or stable: opposing consequences for memory when reactivated during waking and sleep. <i>Nature Neuroscience</i> , 2011 , 14, 381-6	25.5	249

505	Timing the end of nocturnal sleep. <i>Nature</i> , 1999 , 397, 29-30	50.4	247
504	Hippocampal sharp wave-ripples linked to slow oscillations in rat slow-wave sleep. <i>Journal of Neurophysiology</i> , 2006 , 96, 62-70	3.2	243
503	A single night of sleep deprivation increases ghrelin levels and feelings of hunger in normal-weight healthy men. <i>Journal of Sleep Research</i> , 2008 , 17, 331-4	5.8	234
502	Acute Effects of Recombinant Human Interleukin-6 on Endocrine and Central Nervous Sleep Functions in Healthy Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1998 , 83, 1573-1579	5.6	233
501	Brief sleep after learning keeps emotional memories alive for years. <i>Biological Psychiatry</i> , 2006 , 60, 788-90	9.0	232
500	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	13.9	223
499	Differential sensitivity of men and women to anorexigenic and memory-improving effects of intranasal insulin. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 1339-44	5.6	223
498	The partitioning of Africa: statistically defined biogeographical regions in sub-Saharan Africa. <i>Journal of Biogeography</i> , 2012 , 39, 1189-1205	4.1	222
497	Intranasal insulin improves memory in humans: superiority of insulin aspart. <i>Neuropsychopharmacology</i> , 2007 , 32, 239-43	8.7	219
496	Sleep enhances the human antibody response to hepatitis A vaccination. <i>Psychosomatic Medicine</i> , 2003 , 65, 831-5	3.7	217
495	Cortisol and epinephrine control opposing circadian rhythms in T cell subsets. <i>Blood</i> , 2009 , 113, 5134-43	2.2	215
494	Intranasal insulin reduces body fat in men but not in women. <i>Diabetes</i> , 2004 , 53, 3024-9	0.9	214
493	Mechanisms of systems memory consolidation during sleep. <i>Nature Neuroscience</i> , 2019 , 22, 1598-1610	25.5	208
492	The influence of learning on sleep slow oscillations and associated spindles and ripples in humans and rats. <i>European Journal of Neuroscience</i> , 2009 , 29, 1071-81	3.5	203
491	Sleep disruption alters nocturnal ACTH and cortisol secretory patterns. <i>Biological Psychiatry</i> , 1991 , 29, 575-84	7.9	202
490	Consensus: "Can tDCS and TMS enhance motor learning and memory formation?". <i>Brain Stimulation</i> , 2008 , 1, 363-369	5.1	191
489	Sustained increase in hippocampal sharp-wave ripple activity during slow-wave sleep after learning. <i>Learning and Memory</i> , 2008 , 15, 222-8	2.8	187
488	Pharmacological REM sleep suppression paradoxically improves rather than impairs skill memory. <i>Nature Neuroscience</i> , 2009 , 12, 396-7	25.5	186

487	Impaired declarative memory consolidation during sleep in patients with primary insomnia: Influence of sleep architecture and nocturnal cortisol release. <i>Biological Psychiatry</i> , 2006 , 60, 1324-30	7.9	184
486	Elevated sleep spindle density after learning or after retrieval in rats. <i>Journal of Neuroscience</i> , 2006 , 26, 12914-20	6.6	183
485	Motor memory consolidation in sleep shapes more effective neuronal representations. <i>Journal of Neuroscience</i> , 2005 , 25, 11248-55	6.6	183
484	Learning increases human electroencephalographic coherence during subsequent slow sleep oscillations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 13963-8	11.5	180
483	Slow oscillation electrical brain stimulation during waking promotes EEG theta activity and memory encoding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 15460-5	11.5	176
482	Acute sleep deprivation reduces energy expenditure in healthy men. <i>American Journal of Clinical Nutrition</i> , 2011 , 93, 1229-36	7	170
481	Hypoxia causes glucose intolerance in humans. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004 , 169, 1231-7	10.2	170
480	Sleep in children improves memory performance on declarative but not procedural tasks. <i>Learning and Memory</i> , 2008 , 15, 373-7	2.8	167
479	Effects of tDCS on motor learning and memory formation: A consensus and critical position paper. <i>Clinical Neurophysiology</i> , 2017 , 128, 589-603	4.3	166
478	Slow oscillations orchestrating fast oscillations and memory consolidation. <i>Progress in Brain Research</i> , 2011 , 193, 93-110	2.9	164
477	Plasma epinephrine and norepinephrine concentrations of healthy humans associated with nighttime sleep and morning arousal. <i>Hypertension</i> , 1997 , 30, 71-6	8.5	161
476	Oxytocin reduces reward-driven food intake in humans. <i>Diabetes</i> , 2013 , 62, 3418-25	0.9	160
475	Maintaining memories by reactivation. <i>Current Opinion in Neurobiology</i> , 2007 , 17, 698-703	7.6	160
474	Central nervous system effects of intranasally administered insulin during euglycemia in men. <i>Diabetes</i> , 1999 , 48, 557-63	0.9	158
473	Sleep spindle-related reactivation of category-specific cortical regions after learning face-scene associations. <i>NeuroImage</i> , 2012 , 59, 2733-42	7.9	157
472	Anticipated reward enhances offline learning during sleep. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2009 , 35, 1586-93	2.2	156
471	Sleep for preserving and transforming episodic memory. <i>Annual Review of Neuroscience</i> , 2013 , 36, 79-102	7	153
470	The significance of sleep onset and slow wave sleep for nocturnal release of growth hormone (GH) and cortisol. <i>Psychoneuroendocrinology</i> , 1988 , 13, 233-43	5	152

469	Dexamethasone blocks sleep induced improvement of declarative memory. <i>Psychoneuroendocrinology</i> , 1999 , 24, 313-31	5	149
468	Selective mobilization of cytotoxic leukocytes by epinephrine. <i>Journal of Immunology</i> , 2010 , 184, 503-11	5.3	148
467	Fine-tuned coupling between human parahippocampal ripples and sleep spindles. <i>European Journal of Neuroscience</i> , 2011 , 33, 511-20	3.5	147
466	Influences of corticotropin-releasing hormone, adrenocorticotropin, and cortisol on sleep in normal man. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1989 , 68, 904-11	5.6	147
465	Slow-wave sleep takes the leading role in memory reorganization. <i>Nature Reviews Neuroscience</i> , 2010 , 11, 218-218	13.5	144
464	Implicit Learning/Explicit Knowing: A Role for Sleep in Memory System Interaction. <i>Journal of Cognitive Neuroscience</i> , 2006 , 18, 311-319	3.1	144
463	Memory consolidation in human sleep depends on inhibition of glucocorticoid release. <i>NeuroReport</i> , 1999 , 10, 2741-7	1.7	142
462	Bifrontal transcranial direct current stimulation slows reaction time in a working memory task. <i>BMC Neuroscience</i> , 2005 , 6, 23	3.2	140
461	ORIGINAL ARTICLE: The Greater Cape Floristic Region. <i>Journal of Biogeography</i> , 2006 , 34, 147-162	4.1	139
460	Cytokine production and lymphocyte subpopulations in aged humans. An assessment during nocturnal sleep. <i>Mechanisms of Ageing and Development</i> , 1995 , 84, 113-26	5.6	139
459	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> , 2013 , 99, 1-9	3.1	136
458	Sleep associated regulation of T helper 1/T helper 2 cytokine balance in humans. <i>Brain, Behavior, and Immunity</i> , 2004 , 18, 341-8	16.6	134
457	Sleep enhances false memories depending on general memory performance. <i>Behavioural Brain Research</i> , 2010 , 208, 425-9	3.4	132
456	Sleep's function in the spontaneous recovery and consolidation of memories. <i>Journal of Experimental Psychology: General</i> , 2007 , 136, 169-83	4.7	130
455	Transcranial electrical currents to probe EEG brain rhythms and memory consolidation during sleep in humans. <i>PLoS ONE</i> , 2011 , 6, e16905	3.7	129
454	Intranasal insulin to improve memory function in humans. <i>Neuroendocrinology</i> , 2007 , 86, 136-42	5.6	129
453	Immediate as well as delayed post learning sleep but not wakefulness enhances declarative memory consolidation in children. <i>Neurobiology of Learning and Memory</i> , 2008 , 89, 76-80	3.1	126
452	EEG-guided transcranial magnetic stimulation reveals rapid shifts in motor cortical excitability during the human sleep slow oscillation. <i>Journal of Neuroscience</i> , 2012 , 32, 243-53	6.6	123

451	Hypothalamus-pituitary-adrenal activity during human sleep: a coordinating role for the limbic hippocampal system. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 1998 , 106, 153-63	2.3	120
450	Midlife decline in declarative memory consolidation is correlated with a decline in slow wave sleep. <i>Learning and Memory</i> , 2007 , 14, 336-41	2.8	119
449	Effects of age and gender on pituitary-adrenocortical responsiveness in humans. <i>European Journal of Endocrinology</i> , 1995 , 132, 705-11	6.5	119
448	Generalization of word meanings during infant sleep. <i>Nature Communications</i> , 2015 , 6, 6004	17.4	118
447	Cytochrome C is released from mitochondria into the cytosol after cerebral anoxia or ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1999 , 19, 39-43	7.3	118
446	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> , 2012 , 98, 103-11	3.1	117
445	Intranasal insulin as a therapeutic option in the treatment of cognitive impairments. <i>Experimental Gerontology</i> , 2011 , 46, 112-5	4.5	117
444	Driving sleep slow oscillations by auditory closed-loop stimulation-a self-limiting process. <i>Journal of Neuroscience</i> , 2015 , 35, 6630-8	6.6	111
443	Developmental differences in sleep's role for implicit off-line learning: comparing children with adults. <i>Journal of Cognitive Neuroscience</i> , 2007 , 19, 214-27	3.1	111
442	Obese men respond to cognitive but not to catabolic brain insulin signaling. <i>International Journal of Obesity</i> , 2008 , 32, 275-82	5.5	109
441	Sleep-dependency of episodic-like memory consolidation in rats. <i>Behavioural Brain Research</i> , 2013 , 237, 15-22	3.4	107
440	Sleep-dependent memory consolidation--what can be learnt from children?. <i>Neuroscience and Biobehavioral Reviews</i> , 2012 , 36, 1718-28	9	104
439	Napping to renew learning capacity: enhanced encoding after stimulation of sleep slow oscillations. <i>European Journal of Neuroscience</i> , 2013 , 37, 1142-51	3.5	104
438	Brain potential changes after intranasal vs. intravenous administration of vasopressin: evidence for a direct nose-brain pathway for peptide effects in humans. <i>Biological Psychiatry</i> , 1996 , 39, 332-40	7.9	102
437	Changes in emotional responses to aversive pictures across periods rich in slow-wave sleep versus rapid eye movement sleep. <i>Psychosomatic Medicine</i> , 2002 , 64, 627-34	3.7	102
436	Combined blockade of cholinergic receptors shifts the brain from stimulus encoding to memory consolidation. <i>Journal of Cognitive Neuroscience</i> , 2006 , 18, 793-802	3.1	101
435	Sleep-dependent consolidation of procedural motor memories in children and adults: the pre-sleep level of performance matters. <i>Developmental Science</i> , 2012 , 15, 506-15	4.5	100
434	The role of sleep and sleep deprivation in consolidating fear memories. <i>NeuroImage</i> , 2013 , 75, 87-96	7.9	100

433	Shift of monocyte function toward cellular immunity during sleep. <i>Archives of Internal Medicine</i> , 2006 , 166, 1695-700		100
432	The sleeping child outplays the adult's capacity to convert implicit into explicit knowledge. <i>Nature Neuroscience</i> , 2013 , 16, 391-3	25.5	99
431	Sleep after vaccination boosts immunological memory. <i>Journal of Immunology</i> , 2011 , 187, 283-90	5.3	99
430	Number and function of circulating human antigen presenting cells regulated by sleep. <i>Sleep</i> , 2007 , 30, 401-11	1.1	99
429	Intranasal insulin enhances postprandial thermogenesis and lowers postprandial serum insulin levels in healthy men. <i>Diabetes</i> , 2011 , 60, 114-8	0.9	98
428	Cortical circuit activity underlying sleep slow oscillations and spindles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E9220-E9229	11.5	95
427	Low cerebrospinal fluid insulin levels in obese humans. <i>Diabetologia</i> , 2006 , 49, 2790-2	10.3	94
426	Effects of cortisol suppression on sleep-associated consolidation of neutral and emotional memory. <i>Biological Psychiatry</i> , 2005 , 58, 885-93	7.9	94
425	Sleep and memory in mammals, birds and invertebrates. <i>Neuroscience and Biobehavioral Reviews</i> , 2015 , 50, 103-19	9	93
424	Night-time plasma cortisol secretion is associated with specific sleep stages. <i>Biological Psychiatry</i> , 1986 , 21, 1415-24	7.9	93
423	EEG complexity and performance measures of creative thinking. <i>Psychophysiology</i> , 1999 , 36, 95-104	4.1	92
422	Intranasal administration of insulin to the brain impacts cognitive function and peripheral metabolism. <i>Diabetes, Obesity and Metabolism</i> , 2012 , 14, 214-21	6.7	91
421	Sleep to implement an intention. <i>Sleep</i> , 2013 , 36, 149-53	1.1	90
420	Disturbed glucoregulatory response to food intake after moderate sleep restriction. <i>Sleep</i> , 2011 , 34, 371-7	1.1	90
419	Sleep loss alters basal metabolic hormone secretion and modulates the dynamic counterregulatory response to hypoglycemia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007 , 92, 3044-51	5.6	90
418	Sleep enhances explicit recollection in recognition memory. <i>Learning and Memory</i> , 2005 , 12, 44-51	2.8	90
417	Oxytocin's inhibitory effect on food intake is stronger in obese than normal-weight men. <i>International Journal of Obesity</i> , 2016 , 40, 1707-1714	5.5	87
416	Enhanced dynamic complexity in the human EEG during creative thinking. <i>Neuroscience Letters</i> , 1996 , 208, 61-4	3.3	87

415	Sculpting memory during sleep: concurrent consolidation and forgetting. <i>Current Opinion in Neurobiology</i> , 2017 , 44, 20-27	7.6	86
414	Contribution of norepinephrine to emotional memory consolidation during sleep. <i>Psychoneuroendocrinology</i> , 2011 , 36, 1342-50	5	86
413	EEG theta synchronization conjoined with alpha desynchronization indicate intentional encoding. <i>European Journal of Neuroscience</i> , 2002 , 15, 923-8	3.5	86
412	Different regulation of adrenocorticotropin and cortisol secretion in young, mentally healthy elderly and patients with senile dementia of Alzheimer type. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1991 , 72, 272-6	5.6	86
411	Induction of slow oscillations by rhythmic acoustic stimulation. <i>Journal of Sleep Research</i> , 2013 , 22, 22-31	5.8	84
410	Human memory and neurohypophyseal hormones: opposite effects of vasopressin and oxytocin. <i>Psychoneuroendocrinology</i> , 1984 , 9, 285-92	5	84
409	Effects of sleep on the production of cytokines in humans. <i>Psychosomatic Medicine</i> , 1995 , 57, 97-104	3.7	83
408	Formation of dibenzodioxins and dibenzofurans in homogenous gas-phase reactions of phenols. <i>Chemosphere</i> , 1989 , 19, 401-406	8.4	83
407	Corticosteroid receptor mediated effects on mood in humans. <i>Psychoneuroendocrinology</i> , 1996 , 21, 515-23	3	82
406	Cortisol effects on attentional processes in man as indicated by event-related potentials. <i>Psychophysiology</i> , 1987 , 24, 286-92	4.1	81
405	The memory function of noradrenergic activity in non-REM sleep. <i>Journal of Cognitive Neuroscience</i> , 2011 , 23, 2582-92	3.1	80
404	Slow wave sleep drives inhibition of pituitary-adrenal secretion in humans. <i>Journal of Neuroendocrinology</i> , 1997 , 9, 479-84	3.8	80
403	Memory consolidation during sleep: interactive effects of sleep stages and HPA regulation. <i>Stress</i> , 2008 , 11, 28-41	3	79
402	Sleep enhances IL-6 trans-signaling in humans. <i>FASEB Journal</i> , 2006 , 20, 2174-6	0.9	79
401	Interleukin-6 stimulates the hypothalamus-pituitary-adrenocortical axis in man. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1994 , 79, 1212-1214	5.6	79
400	The impact of post-learning sleep vs. wakefulness on recognition memory for faces with different facial expressions. <i>Neurobiology of Learning and Memory</i> , 2007 , 87, 679-87	3.1	77
399	Event-related potential correlates of impaired selective attention in children at high risk for schizophrenia. <i>Biological Psychiatry</i> , 1992 , 32, 634-51	7.9	77
398	Sleep and the immune system. <i>International Journal of Immunopharmacology</i> , 1995 , 17, 649-54		76

397	Coordinated infraslow neural and cardiac oscillations mark fragility and offline periods in mammalian sleep. <i>Science Advances</i> , 2017 , 3, e1602026	14.3	74
396	Sexual conflict in <i>Sepsis cynipsea</i> : female reluctance, fertility and mate choice. <i>Journal of Evolutionary Biology</i> , 2003 , 16, 485-90	2.3	73
395	A regulatory role of prolactin, growth hormone, and corticosteroids for human T-cell production of cytokines. <i>Brain, Behavior, and Immunity</i> , 2004 , 18, 368-74	16.6	73
394	A nose-brain pathway for psychotropic peptides: evidence from a brain evoked potential study with cholecystokinin. <i>Psychoneuroendocrinology</i> , 1996 , 21, 559-72	5	73
393	Causes of obesity: looking beyond the hypothalamus. <i>Progress in Neurobiology</i> , 2007 , 81, 61-88	10.9	72
392	Effects of menstrual cycle on creativity. <i>Psychoneuroendocrinology</i> , 1994 , 19, 21-31	5	72
391	Cortisol correlates with metabolic disturbances in a population study of type 2 diabetic patients. <i>European Journal of Endocrinology</i> , 2006 , 154, 325-31	6.5	71
390	Slow-wave sleep and the consolidation of long-term memory. <i>World Journal of Biological Psychiatry</i> , 2010 , 11 Suppl 1, 16-21	3.8	70
389	Hormonal secretion during nighttime sleep indicating stress of daytime exercise. <i>Journal of Applied Physiology</i> , 1995 , 79, 1461-8	3.7	70
388	Vasopressin and electrophysiological signs of attention in man. <i>Peptides</i> , 1986 , 7, 189-93	3.8	70
387	The role of sleep in motor sequence consolidation: stabilization rather than enhancement. <i>Journal of Neuroscience</i> , 2015 , 35, 6696-702	6.6	68
386	Reactivating memories during sleep by odors: odor specificity and associated changes in sleep oscillations. <i>Journal of Cognitive Neuroscience</i> , 2014 , 26, 1806-18	3.1	68
385	Enhancing influence of intranasal interleukin-6 on slow-wave activity and memory consolidation during sleep. <i>FASEB Journal</i> , 2009 , 23, 3629-36	0.9	68
384	Sleep loss produces false memories. <i>PLoS ONE</i> , 2008 , 3, e3512	3.7	68
383	The hippocampus is crucial for forming non-hippocampal long-term memory during sleep. <i>Nature</i> , 2018 , 564, 109-113	50.4	68
382	Sleep, synaptic connectivity, and hippocampal memory during early development. <i>Trends in Cognitive Sciences</i> , 2014 , 18, 141-52	14	67
381	Blocking mineralocorticoid receptors impairs, blocking glucocorticoid receptors enhances memory retrieval in humans. <i>Neuropsychopharmacology</i> , 2013 , 38, 884-94	8.7	67
380	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, 2310-20	3.1	66

379	From cancer genomes to oncogenic drivers, tumour dependencies and therapeutic targets. <i>Nature Reviews Cancer</i> , 2012 , 12, 572-8	31.3	66
378	Brain-immune interactions in sleep. <i>International Review of Neurobiology</i> , 2002 , 52, 93-131	4.4	66
377	Influences of corticosteroids, dexamethasone and hydrocortisone on sleep in humans. <i>Neuropsychobiology</i> , 1986 , 16, 198-204	4	66
376	A 3-day estrogen treatment improves prefrontal cortex-dependent cognitive function in postmenopausal women. <i>Psychoneuroendocrinology</i> , 2006 , 31, 965-75	5	65
375	Sleep and endocrine changes after intranasal administration of growth hormone-releasing hormone in young and aged humans. <i>Psychoneuroendocrinology</i> , 1999 , 24, 743-57	5	65
374	The Melanocortin Melanocyte-Stimulating Hormone/Adrenocorticotropin4-10 Decreases Body Fat in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001 , 86, 1144-1148	5.6	65
373	Shifting from implicit to explicit knowledge: different roles of early- and late-night sleep. <i>Learning and Memory</i> , 2008 , 15, 508-15	2.8	64
372	Basal secretory activity of the hypothalamo-pituitary-adrenocortical axis is enhanced in healthy elderly. An assessment during undisturbed night-time sleep. <i>European Journal of Endocrinology</i> , 1994 , 131, 443-50	6.5	64
371	Differential effects on fast and slow spindle activity, and the sleep slow oscillation in humans with carbamazepine and flunarizine to antagonize voltage-dependent Na ⁺ and Ca ²⁺ channel activity. <i>Sleep</i> , 2013 , 36, 905-11	1.1	62
370	Induction of mesodermal tissues by acidic and basic heparin binding growth factors. <i>Cell Differentiation</i> , 1988 , 22, 183-9		62
369	Auditory closed-loop stimulation of EEG slow oscillations strengthens sleep and signs of its immune-supportive function. <i>Nature Communications</i> , 2017 , 8, 1984	17.4	60
368	Dose-dependent influences on electrophysiological signs of attention in humans after neuropeptide ACTH 4-10. <i>Experimental Brain Research</i> , 1987 , 67, 85-92	2.3	60
367	Vasopressin but not oxytocin enhances cortical arousal: an integrative hypothesis on behavioral effects of neurohypophyseal hormones. <i>Psychopharmacology</i> , 1988 , 94, 496-500	4.7	60
366	Sleep-Stage-Specific Regulation of Cortical Excitation and Inhibition. <i>Current Biology</i> , 2016 , 26, 2739-2740.3	0.3	59
365	Nocturnal adrenocorticotropin and cortisol secretion depends on sleep duration and decreases in association with spontaneous awakening in the morning. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1992 , 75, 1431-1435	5.6	58
364	State-dependencies of learning across brain scales. <i>Frontiers in Computational Neuroscience</i> , 2015 , 9, 1	3.5	57
363	Sleep enhances memory consolidation in the hippocampus-dependent object-place recognition task in rats. <i>Neurobiology of Learning and Memory</i> , 2012 , 97, 213-9	3.1	57
362	A single administration of dehydroepiandrosterone does not enhance memory performance in young healthy adults, but immediately reduces cortisol levels. <i>Biological Psychiatry</i> , 1997 , 42, 845-8	7.9	57

361	Sleep-dependent declarative memory consolidation--unaffected after blocking NMDA or AMPA receptors but enhanced by NMDA coagonist D-cycloserine. <i>Neuropsychopharmacology</i> , 2013 , 38, 2688-97	8.7	56
360	Sleep consolidates the effector-independent representation of a motor skill. <i>Neuroscience</i> , 2010 , 171, 227-34	3.9	56
359	Short-term treatment with metformin decreases serum leptin concentration without affecting body weight and body fat content in normal-weight healthy men. <i>Metabolism: Clinical and Experimental</i> , 2002 , 51, 531-6	12.7	56
358	Greater efficacy of episodic than continuous growth hormone-releasing hormone (GHRH) administration in promoting slow-wave sleep (SWS). <i>Journal of Clinical Endocrinology and Metabolism</i> , 1996 , 81, 1009-1013	5.6	56
357	Postmenopausal Estrogen Administration Suppresses Muscle Sympathetic Nerve Activity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001 , 86, 344-348	5.6	56
356	Comparable sensitivity of postmenopausal and young women to the effects of intranasal insulin on food intake and working memory. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, E468-72	5.6	55
355	Changes in cortisol and growth hormone secretion during nocturnal sleep in the course of aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 1996 , 51, M3-9	6.4	55
354	Spindle activity phase-locked to sleep slow oscillations. <i>NeuroImage</i> , 2016 , 134, 607-616	7.9	55
353	Trends in 393 necrotizing acute soft tissue infection patients 2000-2008. <i>Burns</i> , 2012 , 38, 252-60	2.3	54
352	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. <i>Diabetes</i> , 2010 , 59, 1101-7	0.9	54
351	Altered neuroendocrine sleep architecture in patients with type 1 diabetes. <i>Diabetes Care</i> , 2008 , 31, 1183-8	14.6	54
350	Manipulating neuropeptidergic pathways in humans: a novel approach to neuropharmacology?. <i>European Journal of Pharmacology</i> , 2000 , 405, 43-54	5.3	54
349	Antimineralocorticoid canrenoate enhances secretory activity of the hypothalamus-pituitary-adrenocortical (HPA) axis in humans. <i>Neuroendocrinology</i> , 1993 , 58, 570-4	5.6	54
348	A local signature of LTP- and LTD-like plasticity in human NREM sleep. <i>European Journal of Neuroscience</i> , 2008 , 27, 2241-9	3.5	53
347	Slow wave sleep induced by GABA agonist tiagabine fails to benefit memory consolidation. <i>Sleep</i> , 2013 , 36, 1317-26	1.1	52
346	Differential effects of sleep deprivation on saccadic eye movements. <i>Sleep</i> , 2005 , 28, 1109-15	1.1	52
345	Spontaneous cortical slow-potential shifts and choice reaction time performance. <i>Electroencephalography and Clinical Neurophysiology</i> , 1982 , 54, 668-76		51
344	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> , 2014 , 28, 67-75	0.9	50

343	Sleep and circadian rhythm regulate circulating complement factors and immunoregulatory properties of C5a. <i>Brain, Behavior, and Immunity</i> , 2011 , 25, 1416-26	16.6	50
342	Modulation of hunger by plasma glucose and metformin. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 1133-41	5.6	50
341	Suppressing the morning rise in cortisol impairs free recall. <i>Learning and Memory</i> , 2010 , 17, 186-90	2.8	49
340	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, 122-30	3.1	48
339	Sleep to upscale, sleep to downscale: balancing homeostasis and plasticity. <i>Neuron</i> , 2012 , 75, 933-5	13.9	47
338	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> , 2012 , 24, 119-32	3.1	47
337	Interferon-alpha acutely impairs sleep in healthy humans. <i>Cytokine</i> , 2000 , 12, 518-21	4	47
336	Differential effects of hydrocortisone, fluocortolone, and aldosterone on nocturnal sleep in humans. <i>European Journal of Endocrinology</i> , 1987 , 116, 129-37	6.5	47
335	Investigations into the polymorphism of lipid A from lipopolysaccharides of Escherichia coli and Salmonella minnesota by Fourier-transform infrared spectroscopy. <i>FEBS Journal</i> , 1987 , 164, 159-69		47
334	Ability of corticotropin releasing hormone to stimulate cortisol secretion independent from pituitary adrenocorticotropin. <i>Life Sciences</i> , 1988 , 42, 679-86	6.8	47
333	Sleep-stage-specific regulation of plasma catecholamine concentration. <i>Psychoneuroendocrinology</i> , 2007 , 32, 884-91	5	46
332	Corticotropin-releasing hormone-induced adrenocorticotropin and cortisol secretion depends on sleep and wakefulness. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1993 , 77, 1170-1173	5.6	45
331	Changes in blood pressure and plasma catecholamine levels during prolonged hyperinsulinemia. <i>Metabolism: Clinical and Experimental</i> , 2005 , 54, 391-6	12.7	44
330	Influences of cortisol on auditory evoked potentials (AEPs) and mood in humans. <i>Neuropsychobiology</i> , 1989 , 20, 145-51	4	44
329	Adaptation of cognitive function to hypoglycemia in healthy men. <i>Diabetes Care</i> , 2000 , 23, 1059-66	14.6	43
328	Transcranial slow oscillation stimulation during sleep enhances memory consolidation in rats. <i>Brain Stimulation</i> , 2014 , 7, 508-15	5.1	42
327	Impaired off-line consolidation of motor memories after combined blockade of cholinergic receptors during REM sleep-rich sleep. <i>Neuropsychopharmacology</i> , 2009 , 34, 1843-53	8.7	42
326	Hippocampus whispering in deep sleep to prefrontal cortex--for good memories?. <i>Neuron</i> , 2009 , 61, 496-509	8.9	42

325	Transcortical direct current potential shift reflects immediate signaling of systemic insulin to the human brain. <i>Diabetes</i> , 2004 , 53, 2202-8	0.9	42
324	Brain morphology in adolescents at genetic risk for schizophrenia assessed by qualitative and quantitative magnetic resonance imaging. <i>Schizophrenia Research</i> , 1999 , 40, 81-4	3.6	42
323	Elevated resting and exercise-induced cortisol levels after mineralocorticoid receptor blockade with canrenoate in healthy humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 5048-52	5.6	41
322	Behavioral effects of neurohypophyseal peptides in healthy volunteers: 10 years of research. <i>Peptides</i> , 1991 , 12, 1399-406	3.8	41
321	Towards the therapeutic use of intranasal neuropeptide administration in metabolic and cognitive disorders. <i>Regulatory Peptides</i> , 2008 , 149, 79-83		40
320	The neuroendocrine control of glucose allocation. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2002 , 110, 199-211	2.3	40
319	System consolidation during sleep - a common principle underlying psychological and immunological memory formation. <i>Trends in Neurosciences</i> , 2015 , 38, 585-597	13.3	39
318	Opposite effects of cortisol on consolidation of temporal sequence memory during waking and sleep. <i>Journal of Cognitive Neuroscience</i> , 2011 , 23, 3703-12	3.1	39
317	Signs of REM sleep dependent enhancement of implicit face memory: a repetition priming study. <i>Biological Psychology</i> , 2003 , 62, 197-210	3.2	39
316	Selective influence of menstrual cycle on perception of stimuli with reproductive significance. <i>Psychosomatic Medicine</i> , 1994 , 56, 410-7	3.7	39
315	Oxytocin® impact on social face processing is stronger in homosexual than heterosexual men. <i>Psychoneuroendocrinology</i> , 2014 , 39, 194-203	5	37
314	Plasticity during Sleep Is Linked to Specific Regulation of Cortical Circuit Activity. <i>Frontiers in Neural Circuits</i> , 2017 , 11, 65	3.5	37
313	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> , 2012 , 97, E218-22	5.6	37
312	Visual-procedural memory consolidation during sleep blocked by glutamatergic receptor antagonists. <i>Journal of Neuroscience</i> , 2008 , 28, 5513-8	6.6	37
311	Signs of impaired selective attention in patients with amyotrophic lateral sclerosis. <i>Journal of Neurology</i> , 2008 , 255, 532-8	5.5	37
310	The vegetalizing factor from chicken embryos: its EDF (activin A)-like activity. <i>Mechanisms of Development</i> , 1991 , 34, 135-41	1.7	37
309	Mesoderm-inducing factors. Their possible relationship to heparin-binding growth factors and transforming growth factor-beta. <i>Die Naturwissenschaften</i> , 1987 , 74, 604-6	2	37
308	ACTH and attention in humans: a review. <i>Neuropsychobiology</i> , 1986 , 15, 165-86	4	37

307	Scalp recorded direct current brain potentials during human sleep. <i>European Journal of Neuroscience</i> , 1998 , 10, 1167-78	3.5	36
306	Phase-Amplitude Coupling: A General Mechanism for Memory Processing and Synaptic Plasticity?. <i>Neuron</i> , 2018 , 97, 10-13	13.9	35
305	The Sleeping Infant Brain Anticipates Development. <i>Current Biology</i> , 2017 , 27, 2374-2380.e3	6.3	35
304	Sleep's role in the processing of unwanted memories. <i>Journal of Sleep Research</i> , 2011 , 20, 267-74	5.8	35
303	Elevated plasma cortisol levels during interferon-gamma treatment. <i>Immunopharmacology</i> , 1989 , 17, 141-5		35
302	Effects of diurnal sleep on secretion of cortisol, luteinizing hormone, and growth hormone in man. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1994 , 78, 683-687	5.6	35
301	Sleep improves prospective remembering by facilitating spontaneous-associative retrieval processes. <i>PLoS ONE</i> , 2013 , 8, e77621	3.7	35
300	tACS Phase Locking of Frontal Midline Theta Oscillations Disrupts Working Memory Performance. <i>Frontiers in Cellular Neuroscience</i> , 2016 , 10, 120	6.1	35
299	Acute influences of estrogen and testosterone on divergent and convergent thinking in postmenopausal women. <i>Neuropsychopharmacology</i> , 2003 , 28, 1538-45	8.7	34
298	Sleep loss and the development of diabetes: a review of current evidence. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2005 , 113, 563-7	2.3	34
297	Hypoglycemia counterregulation during sleep. <i>Sleep</i> , 2003 , 26, 55-9	1.1	33
296	Memory consolidation during sleep: role of cortisol feedback. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1032, 198-201	6.5	33
295	Serum adiponectin concentrations during a 72-hour fast in over- and normal-weight humans. <i>International Journal of Obesity</i> , 2005 , 29, 998-1001	5.5	33
294	Hyperinsulinemia causes activation of the hypothalamus-pituitary-adrenal axis in humans. <i>International Journal of Obesity</i> , 2001 , 25 Suppl 1, S38-40	5.5	33
293	Sleep Supports the Slow Abstraction of Gist from Visual Perceptual Memories. <i>Scientific Reports</i> , 2017 , 7, 42950	4.9	32
292	Differential contribution of mineralocorticoid and glucocorticoid receptors to memory formation during sleep. <i>Psychoneuroendocrinology</i> , 2013 , 38, 2962-72	5	32
291	Intranasal angiotensin II directly influences central nervous regulation of blood pressure. <i>American Journal of Hypertension</i> , 1998 , 11, 971-7	2.3	32
290	Translocation (16;17)(q22;p13) is a recurrent anomaly of aneurysmal bone cysts. <i>Cancer Genetics and Cytogenetics</i> , 2001 , 127, 83-4		32

289	Overweight humans are resistant to the weight-reducing effects of melanocortin4-10. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 522-5	5.6	31
288	Neuropsychological effects of vasopressin in healthy humans. <i>Progress in Brain Research</i> , 1998 , 119, 619-43		31
287	Manipulating central nervous mechanisms of food intake and body weight regulation by intranasal administration of neuropeptides in man. <i>Physiology and Behavior</i> , 2004 , 83, 55-64	3.5	31
286	Beneficial treatment of age-related sleep disturbances with prolonged intranasal vasopressin. <i>Journal of Clinical Psychopharmacology</i> , 1999 , 19, 28-36	1.7	31
285	Early morning rise in hypothalamic-pituitary-adrenal activity: a role for maintaining the brain energy balance. <i>Psychoneuroendocrinology</i> , 2009 , 34, 455-62	5	30
284	Sleep enhances serum interleukin-7 concentrations in humans. <i>Brain, Behavior, and Immunity</i> , 2007 , 21, 1058-62	16.6	30
283	Taste thresholds in man are differentially influenced by hydrocortisone and dexamethasone. <i>Psychoneuroendocrinology</i> , 1989 , 14, 433-40	5	30
282	Sleep enforces the temporal order in memory. <i>PLoS ONE</i> , 2007 , 2, e376	3.7	30
281	Grouping of MEG gamma oscillations by EEG sleep spindles. <i>NeuroImage</i> , 2012 , 59, 1491-500	7.9	29
280	Smoking behavior and attitude toward smoking regulations and passive smoking in the workplace. A study among 974 employees in the German metal industry. <i>Preventive Medicine</i> , 1997 , 26, 138-43	4.3	29
279	Idiopathic hypertrophic cranial pachymeningitis mimicking multiple meningiomas: case report and review of the literature. <i>Acta Neuropathologica</i> , 1997 , 94, 385-9	14.3	29
278	Differential energetic response of brain vs. skeletal muscle upon glycemic variations in healthy humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 294, R12-6	3.2	29
277	Acute hypoxia decreases plasma VEGF concentration in healthy humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006 , 290, E434-9	6	29
276	Spindle and slow wave rhythms at slow wave sleep transitions are linked to strong shifts in the cortical direct current potential. <i>Neuroscience</i> , 2003 , 121, 1047-53	3.9	29
275	REM sleep deprivation: The wrong paradigm leading to wrong conclusions. <i>Behavioral and Brain Sciences</i> , 2000 , 23, 912-913	0.9	29
274	Endogenous event-related brain potentials and psychometric performance in children at risk for schizophrenia. <i>Biological Psychiatry</i> , 1991 , 30, 177-89	7.9	29
273	Glucose Metabolism Rather Than Insulin Is a Main Determinant of Leptin Secretion in Humans		29
272	Night sleep in patients with vegetative state. <i>Journal of Sleep Research</i> , 2017 , 26, 629-640	5.8	28

271	G-coupled receptor signaling and sleep regulate integrin activation of human antigen-specific T cells. <i>Journal of Experimental Medicine</i> , 2019 , 216, 517-526	16.6	28
270	Central nervous insulin administration does not potentiate the acute gluoregulatory impact of concurrent mild hyperinsulinemia. <i>Diabetes</i> , 2015 , 64, 760-5	0.9	28
269	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> , 2013 , 7, 220	3.5	28
268	Sleep benefits in parallel implicit and explicit measures of episodic memory. <i>Learning and Memory</i> , 2014 , 21, 190-8	2.8	28
267	Hypoglycemia during sleep impairs consolidation of declarative memory in type 1 diabetic and healthy humans. <i>Diabetes Care</i> , 2007 , 30, 2040-5	14.6	28
266	Immediate but not long-term intranasal administration of insulin raises blood pressure in human beings. <i>Metabolism: Clinical and Experimental</i> , 2005 , 54, 1356-61	12.7	28
265	A determinant factor in the efficacy of GHRH administration in promoting sleep: high peak concentration versus recurrent increasing slopes. <i>Psychoneuroendocrinology</i> , 1999 , 24, 363-70	5	28
264	Insights on auditory closed-loop stimulation targeting sleep spindles in slow oscillation up-states. <i>Journal of Neuroscience Methods</i> , 2019 , 316, 117-124	3	28
263	Role of sleep for encoding of emotional memory. <i>Neurobiology of Learning and Memory</i> , 2015 , 121, 72-9	3.1	27
262	Role of slow oscillatory activity and slow wave sleep in consolidation of episodic-like memory in rats. <i>Behavioural Brain Research</i> , 2014 , 275, 126-30	3.4	27
261	Differential adaptation of neurocognitive brain functions to recurrent hypoglycemia in healthy men. <i>Psychoneuroendocrinology</i> , 2005 , 30, 149-61	5	27
260	Brain potentials and attention after acute and subchronic intranasal administration of ACTH 4-10 and desacetyl-alpha-MSH in humans. <i>Neuroendocrinology</i> , 1999 , 70, 63-72	5.6	27
259	Sleep in Humans Stabilizes Pattern Separation Performance. <i>Journal of Neuroscience</i> , 2017 , 37, 12238-12246	14	26
258	Awareness in memory: being explicit about the role of sleep. <i>Trends in Cognitive Sciences</i> , 2004 , 8, 242-4	14	26
257	Gut protein uptake and mechanisms of meal-induced cortisol release. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005 , 90, 1692-6	5.6	26
256	VEP, physiological and psychological circadian variations in humans. <i>Journal of Neurology</i> , 1988 , 235, 308-13	5.5	26
255	Enhanced selective attention after low-dose administration of the benzodiazepine antagonist flumazenil. <i>Journal of Clinical Psychopharmacology</i> , 1998 , 18, 241-7	1.7	26
254	Differential acute effects of sleep on spontaneous and stimulated production of tumor necrosis factor in men. <i>Brain, Behavior, and Immunity</i> , 2015 , 47, 201-10	16.6	25

253	Hippocampal corticosterone impairs memory consolidation during sleep but improves consolidation in the wake state. <i>Hippocampus</i> , 2014 , 24, 510-5	3.5	25
252	Evidence for central nervous effects of corticotropin-releasing hormone on gastric acid secretion in humans. <i>Neuroendocrinology</i> , 1997 , 65, 291-8	5.6	25
251	Attention, cognition, and motor perseveration in adolescents at genetic risk for schizophrenia and control subjects. <i>Psychiatry Research</i> , 1992 , 44, 125-40	9.9	25
250	Reactivation and Consolidation of Memory During Sleep. <i>Current Directions in Psychological Science</i> , 2008 , 17, 188-192	6.5	24
249	Melatonin acutely improves the neuroendocrine architecture of sleep in blind individuals. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 5315-20	5.6	24
248	Vasopressin and oxytocin do not influence early sensory processing but affect mood and activation in man. <i>Peptides</i> , 1991 , 12, 1385-91	3.8	24
247	Sleep divergently affects cognitive and automatic emotional response in children. <i>Neuropsychologia</i> , 2018 , 117, 84-91	3.2	24
246	Awakening and counterregulatory response to hypoglycemia during early and late sleep. <i>Diabetes</i> , 2007 , 56, 1938-42	0.9	23
245	Post-dural puncture headache in young adults: comparison of two small-gauge spinal catheters with different needle design. <i>British Journal of Anaesthesia</i> , 2005 , 94, 657-61	5.4	23
244	EEG synchronization upon reward in man. <i>Clinical Neurophysiology</i> , 2002 , 113, 1059-65	4.3	23
243	Inducing activity of subcellular fractions from amphibian embryos. <i>Wilhelm Roux's Archives of Developmental Biology</i> , 1984 , 193, 1-12		23
242	Entrainment of ultradian oscillations in the secretion of insulin and glucagon to the nonrapid eye movement/rapid eye movement sleep rhythm in humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1996 , 81, 1541-1547	5.6	23
241	Effects of an interleukin-1 receptor antagonist on human sleep, sleep-associated memory consolidation, and blood monocytes. <i>Brain, Behavior, and Immunity</i> , 2015 , 47, 178-85	16.6	22
240	No effect of odor-induced memory reactivation during REM sleep on declarative memory stability. <i>Frontiers in Systems Neuroscience</i> , 2014 , 8, 157	3.5	22
239	High-calorie glucose-rich food attenuates neuroglycopenic symptoms in patients with Addison® disease. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 522-8	5.6	22
238	A study of imidazole-based nuclear magnetic resonance probes of cellular pH. <i>Analytical Biochemistry</i> , 1998 , 261, 64-72	3.1	22
237	Processing of food stimuli is selectively enhanced during insulin-induced hypoglycemia in healthy men. <i>Psychoneuroendocrinology</i> , 2005 , 30, 496-504	5	22
236	Formation of dibenzodioxins and chlorobenzenes in fly ash catalyzed reactions of monochlorophenols. <i>Chemosphere</i> , 1989 , 19, 1629-1633	8.4	22

235	Influences of partial REM sleep deprivation and awakenings on nocturnal cortisol release. <i>Biological Psychiatry</i> , 1988 , 24, 801-11	7.9	22
234	Vasopressin does not enhance memory processes: a study in human twins. <i>Peptides</i> , 1985 , 6, 297-300	3.8	22
233	Systemic growth hormone does not affect human sleep. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1993 , 76, 1428-1432	5.6	22
232	Increasing Explicit Sequence Knowledge by Odor Cueing during Sleep in Men but not Women. <i>Frontiers in Behavioral Neuroscience</i> , 2016 , 10, 74	3.5	22
231	Central Nervous Insulin Signaling in Sleep-Associated Memory Formation and Neuroendocrine Regulation. <i>Neuropsychopharmacology</i> , 2016 , 41, 1540-50	8.7	21
230	Peripheral and central blockade of interleukin-6 trans-signaling differentially affects sleep architecture. <i>Brain, Behavior, and Immunity</i> , 2015 , 50, 178-185	16.6	21
229	Emotional memory can be persistently weakened by suppressing cortisol during retrieval. <i>Neurobiology of Learning and Memory</i> , 2015 , 119, 102-7	3.1	21
228	Sleep and awareness about presence of regularity speed the transition from implicit to explicit knowledge. <i>Biological Psychology</i> , 2011 , 86, 168-73	3.2	21
227	Systemic immune parameters and sleep after ultra-low dose administration of IL-2 in healthy men. <i>Brain, Behavior, and Immunity</i> , 2002 , 16, 663-74	16.6	21
226	Sleep and wakefulness affect the responsiveness of the pituitary-adrenocortical axis to arginine vasopressin in humans. <i>Neuroendocrinology</i> , 1994 , 60, 544-8	5.6	21
225	Comparative assessment of saccadic eye movements, psychomotor and cognitive performance in schizophrenics, their first-degree relatives and control subjects. <i>Acta Psychiatrica Scandinavica</i> , 1995 , 91, 195-201	6.5	21
224	Prolonged latencies of the N2 and P3 of the auditory event-related potential in children at risk for schizophrenia. A preliminary report. <i>European Archives of Psychiatry and Neurological Sciences</i> , 1989 , 238, 185-8		21
223	Nocturnal wakefulness inhibits growth hormone (GH)-releasing hormone- induced GH secretion. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1995 , 80, 214-219	5.6	21
222	Odor cueing during slow-wave sleep benefits memory independently of low cholinergic tone. <i>Psychopharmacology</i> , 2018 , 235, 291-299	4.7	20
221	The immune recovery function of sleep - tracked by neutrophil counts. <i>Brain, Behavior, and Immunity</i> , 2011 , 25, 14-5	16.6	20
220	Endocrine effects of recombinant interleukin 6 in man. <i>Neuroendocrinology</i> , 1996 , 63, 237-43	5.6	20
219	Dishabituating effects of an ACTH 4-9 analog in a vigilance task. <i>Pharmacology Biochemistry and Behavior</i> , 1984 , 21, 513-9	3.9	20
218	The Limited Capacity of Sleep-Dependent Memory Consolidation. <i>Frontiers in Psychology</i> , 2016 , 7, 1368	3.4	20

217	Lack of effect of high-protein vs. high-carbohydrate meal intake on stress-related mood and eating behavior. <i>Nutrition Journal</i> , 2011 , 10, 136	4.3	19
216	Sleep, hormones, and memory. <i>Obstetrics and Gynecology Clinics of North America</i> , 2009 , 36, 809-29, x	3.3	19
215	Systemic immune changes following meal intake in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1997 , 273, R548-53	3.2	19
214	The effect of experimentally induced insulin resistance on the leptin response to hyperinsulinaemia. <i>International Journal of Obesity</i> , 2002 , 26, 510-6	5.5	19
213	Improved event-related potential signs of selective attention after the administration of the cholecystokinin analog ceruletide in healthy persons. <i>Biological Psychiatry</i> , 1995 , 37, 702-12	7.9	19
212	Entrainment of nocturnal pituitary-adrenocortical activity to sleep processes in man--a hypothesis. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 1993 , 101, 267-76	2.3	19
211	Behavioral effects of vasopressin. <i>Neuropsychobiology</i> , 1984 , 11, 49-53	4	19
210	An ACTH 4-9 analog impairs selective attention in man. <i>Life Sciences</i> , 1985 , 36, 2117-25	6.8	19
209	Neural induction in amphibians : Transmission of a neuralizing factor. <i>Wilhelm Roux's Archives of Developmental Biology</i> , 1983 , 192, 45-47		19
208	Event-related brain potentials and working memory function in healthy humans after single-dose and prolonged intranasal administration of adrenocorticotropin 4-10 and desacetyl-alpha-melanocyte stimulating hormone. <i>Journal of Clinical Psychopharmacology</i> , 2000 , 20, 445-54	1.7	19
207	Sleep stage dynamics in neocortex and hippocampus. <i>Sleep</i> , 2018 , 41,	1.1	18
206	Fragmentation of slow wave sleep after onset of complete locked-in state. <i>Journal of Clinical Sleep Medicine</i> , 2013 , 9, 951-3	3.1	18
205	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> , 2014 , 44, 1759-69	6.1	18
204	Mood and cognitive functions during acute euglycaemia and mild hyperglycaemia in type 2 diabetic patients. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2007 , 115, 42-6	2.3	18
203	Activation of a neuralizing factor in amphibian ectoderm. <i>Wilhelm Roux's Archives of Developmental Biology</i> , 1984 , 193, 13-18		18
202	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> , 2014 , 306, E1322-9	6	17
201	Eating habits, health status, and concern about health: a study among 1641 employees in the German metal industry. <i>Preventive Medicine</i> , 2000 , 30, 295-301	4.3	17
200	Fragments of ACTH affect electrophysiological signs of controlled stimulus processing in humans. <i>Psychopharmacology</i> , 1989 , 99, 439-44	4.7	17

199	Time course of ACTH 4-10 effects on human attention. <i>Neuroendocrinology</i> , 1990 , 52, 169-74	5.6	17
198	Blocking of Central Nervous Mineralocorticoid Receptors Counteracts Inhibition of Pituitary-Adrenal Activity in Human Sleep. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1997 , 82, 1106-1110	5.6	17
197	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	5	17
196	Sleep augments training-induced improvement in working memory in children and adults. <i>Neurobiology of Learning and Memory</i> , 2018 , 147, 46-53	3.1	17
195	Meal anticipation potentiates postprandial ghrelin suppression in humans. <i>Psychoneuroendocrinology</i> , 2012 , 37, 1096-100	5	16
194	Food anticipation and subsequent food withdrawal increase serum cortisol in healthy men. <i>Physiology and Behavior</i> , 2011 , 103, 594-9	3.5	16
193	Deficient recognition of emotional prosody in primary focal dystonia. <i>European Journal of Neurology</i> , 2011 , 18, 329-336	6	16
192	Effects of glucose infusion on neuroendocrine and cognitive parameters in Addison disease. <i>Metabolism: Clinical and Experimental</i> , 2009 , 58, 1825-31	12.7	16
191	Adrenocorticotropin widens the focus of attention in humans. A nonlinear electroencephalographic analysis. <i>Psychosomatic Medicine</i> , 1997 , 59, 497-502	3.7	16
190	Visually-guided saccadic eye movements in adolescents at genetic risk for schizophrenia. <i>Schizophrenia Research</i> , 1997 , 25, 97-109	3.6	16
189	Intranasal atrial natriuretic peptide acts as central nervous inhibitor of the hypothalamo-pituitary-adrenal stress system in humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 4642-8	5.6	16
188	Preserved circadian rhythm of serum insulin concentration at low plasma glucose during fasting in lean and overweight humans. <i>Metabolism: Clinical and Experimental</i> , 2004 , 53, 1449-53	12.7	16
187	Event-related brain potentials during identification of tachistoscopically presented pictures. <i>Brain and Cognition</i> , 1996 , 32, 416-28	2.7	16
186	The Effect of Food Deprivation on ERP During Identification of Tachistoscopically Presented Food-Related Words. <i>Journal of Psychophysiology</i> , 2001 , 15, 163-172	1	16
185	Sleep's role in the reconsolidation of declarative memories. <i>Neurobiology of Learning and Memory</i> , 2016 , 136, 166-173	3.1	16
184	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	4.5	16
183	Sleep-dependent memory consolidation in infants protects new episodic memories from existing semantic memories. <i>Nature Communications</i> , 2020 , 11, 1298	17.4	15
182	Consolidation of Prospective Memory: Effects of Sleep on Completed and Reinstated Intentions. <i>Frontiers in Psychology</i> , 2016 , 7, 2025	3.4	15

181	Verbal memory after three months of intranasal vasopressin in healthy old humans. <i>Psychoneuroendocrinology</i> , 1997 , 22, 387-96	5	15
180	Effects of vasopressin on event-related potential indicators of cognitive stimulus processing in young and old humans. <i>Journal of Gerontology</i> , 1994 , 49, M183-8		15
179	Comparison of satiating effects of ceruletide and food intake using behavioral and electrophysiological indicators of memory. <i>International Journal of Psychophysiology</i> , 1994 , 17, 79-89	2.9	15
178	Effects of cholecystokinin and calcitonin on evoked brain potentials and satiety in man. <i>Physiology and Behavior</i> , 1989 , 46, 513-9	3.5	15
177	Neurochemical mechanisms for memory processing during sleep: basic findings in humans and neuropsychiatric implications. <i>Neuropsychopharmacology</i> , 2020 , 45, 31-44	8.7	15
176	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> , 2018 , 115, E5536-E5545	11.5	15
175	Sleep-dependent surges in growth hormone do not contribute to sleep-dependent memory consolidation. <i>Psychoneuroendocrinology</i> , 2006 , 31, 786-91	5	14
174	Glucocorticoids and melanocortins in the regulation of body weight in humans. <i>Hormone and Metabolic Research</i> , 2004 , 36, 360-4	3.1	14
173	Modulation of food intake by glucose in patients with type 2 diabetes. <i>Diabetes Care</i> , 2005 , 28, 2884-9	14.6	14
172	Ethnicity influences morphine pharmacokinetics and pharmacodynamics. <i>Clinical Pharmacology and Therapeutics</i> , 2001 , 70, 362-369	6.1	14
171	Familial colloid cyst of the third ventricle: neuroendocrinological follow-up and review of the literature. <i>Clinical Neurology and Neurosurgery</i> , 2002 , 104, 367-70	2	14
170	Rhythms of pituitary-adrenal activity during sleep in patients with Cushing's disease. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2000 , 108, 470-9	2.3	14
169	Activation of masked neural determinants in amphibian eggs and embryos and their release from the inducing tissue. <i>Cell Differentiation and Development</i> , 1989 , 27, 1-7		14
168	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> , 1989 , 198, 8-13		14
167	Relationships between sleep stages and plasma cortisol: a single case study. <i>European Journal of Endocrinology</i> , 1986 , 111, 264-70	6.5	14
166	Effects of spontaneous cortical slow potentials on semantic information processing. <i>International Journal of Psychophysiology</i> , 1987 , 5, 11-8	2.9	14
165	The behaviorally active peptide ACTH 4-10: measurement in plasma and pharmacokinetics in man. <i>European Journal of Clinical Pharmacology</i> , 1988 , 35, 371-7	2.8	14
164	Hippocampal Dentate Gyrus Atrophy Predicts Pattern Separation Impairment in Patients with LGI1 Encephalitis. <i>Neuroscience</i> , 2019 , 400, 120-131	3.9	14

163	Intranasal insulin decreases circulating cortisol concentrations during early sleep in elderly humans. <i>Neurobiology of Aging</i> , 2017 , 54, 170-174	5.6	13
162	Blockade of mineralocorticoid receptors enhances naïve T-helper cell counts during early sleep in humans. <i>Brain, Behavior, and Immunity</i> , 2012 , 26, 1116-21	16.6	13
161	Protein v. carbohydrate intake differentially affects liking- and wanting-related brain signalling. <i>British Journal of Nutrition</i> , 2013 , 109, 376-81	3.6	13
160	Elevated cortisol at retrieval suppresses false memories in parallel with correct memories. <i>Journal of Cognitive Neuroscience</i> , 2011 , 23, 772-81	3.1	13
159	Plasma glucagon decreases during night-time sleep in Type 1 diabetic patients and healthy control subjects. <i>Diabetic Medicine</i> , 2007 , 24, 684-7	3.5	13
158	Food deprivation fails to affect preoccupation with thoughts of food in anorectic patients. <i>British Journal of Clinical Psychology</i> , 2002 , 41, 321-6	3.6	13
157	Influence of captopril on symptomatic and hormonal responses to hypoglycaemia in humans. <i>British Journal of Clinical Pharmacology</i> , 2003 , 55, 347-53	3.8	13
156	Comparison of the inhibitory effect of insulin and hypoglycemia on insulin secretion in humans. <i>Metabolism: Clinical and Experimental</i> , 2000 , 49, 950-3	12.7	13
155	Drinking related direct current positive potential shift in the human EEG depends on thirst. <i>Neuroscience Letters</i> , 2001 , 311, 173-6	3.3	13
154	Sensory processing during early and late nocturnal sleep. <i>Electroencephalography and Clinical Neurophysiology</i> , 1996 , 99, 247-56		13
153	Metabolism and radiosensitization of 4,5-dimethylmisonidazole, a ring-substituted analog of misonidazole. <i>Biochemical Pharmacology</i> , 1992 , 43, 1337-44	6	13
152	Affinity chromatography of embryonic inducing factors on heparin-Sepharose. <i>Cell Differentiation</i> , 1987 , 21, 131-6		13
151	Effects of DGAVP on verbal memory. <i>Peptides</i> , 1988 , 9, 1361-6	3.8	13
150	Modeling the effect of sleep regulation on a neural mass model. <i>Journal of Computational Neuroscience</i> , 2016 , 41, 15-28	1.4	13
149	Sleep Strengthens Predictive Sequence Coding. <i>Journal of Neuroscience</i> , 2018 , 38, 8989-9000	6.6	13
148	Regulation of human thought by neuropeptide ACTH 4-10: an analysis of the EEG's dimensional complexity. <i>NeuroReport</i> , 1997 , 8, 2715-20	1.7	12
147	Persistent suppression of resting energy expenditure after acute hypoxia. <i>Metabolism: Clinical and Experimental</i> , 2006 , 55, 669-75	12.7	12
146	NPY attenuates positive cortical DC-potential shift upon food intake in man. <i>Psychoneuroendocrinology</i> , 2003 , 28, 529-39	5	12

145	Differences between nighttime and daytime hypoglycemia counterregulation in healthy humans. <i>Metabolism: Clinical and Experimental</i> , 2004 , 53, 894-8	12.7	12
144	Time course of intranasally administered cholecystokinin-8 on central nervous effects. <i>Neuropsychobiology</i> , 2001 , 43, 254-9	4	12
143	Acute and prolonged effects of insulin-induced hypoglycemia on the pituitary-thyroid axis in humans. <i>Metabolism: Clinical and Experimental</i> , 2002 , 51, 1370-4	12.7	12
142	Changes in direct current (DC) potentials and infra-slow EEG oscillations at the onset of the luteinizing hormone (LH) pulse. <i>European Journal of Neuroscience</i> , 2000 , 12, 3935-43	3.5	12
141	Scalp recorded direct current potential shifts associated with quenching thirst in humans. <i>Psychophysiology</i> , 2000 , 37, 766-776	4.1	12
140	Dimensional complexity and power spectral measures of the EEG during functional versus predicative problem solving. <i>Brain and Cognition</i> , 2000 , 44, 547-63	2.7	12
139	Combined corticotropin-releasing hormone-vasopressin test: a new test for the evaluation of the pituitary adrenal system. <i>Hormone and Metabolic Research</i> , 1987 , 19, 665-6	3.1	12
138	Sleep and the Balance between Memory and Forgetting. <i>Cell</i> , 2019 , 179, 289-291	56.2	11
137	High HPA-axis activation disrupts the link between liking and wanting with liking and wanting related brain signaling. <i>Physiology and Behavior</i> , 2012 , 105, 321-4	3.5	11
136	Motor skill learning and offline-changes in TGA patients with acute hippocampal CA1 lesions. <i>Cortex</i> , 2017 , 89, 156-168	3.8	11
135	Satiating capacity and post-prandial relationships between appetite parameters and gut-peptide concentrations with solid and liquefied carbohydrate. <i>PLoS ONE</i> , 2012 , 7, e42110	3.7	11
134	Skill memory escaping from distraction by sleep--evidence from dual-task performance. <i>PLoS ONE</i> , 2012 , 7, e50983	3.7	11
133	Brain potential signs of slowed stimulus processing following cholecystokinin in Parkinson disease. <i>Psychopharmacology</i> , 2002 , 161, 70-6	4.7	11
132	Post-trial administration of vasopressin in humans does not enhance memory formation (vasopressin and memory consolidation). <i>Peptides</i> , 2002 , 23, 581-3	3.8	11
131	Sleep and signs of attention during 3 months of intranasal vasopressin: a pilot study in two elderly subjects. <i>Peptides</i> , 1996 , 17, 1253-5	3.8	11
130	Effects of corticotropin-releasing factor on isolated rat heart activity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1993 , 264, H1124-9	5.2	11
129	Brain evoked responses, a bioassay for central actions of adrenocorticotropin (ACTH 1-39) and corticotropin releasing hormone (CRH) in humans. <i>Hormone and Metabolic Research</i> , 1991 , 23, 126-30	3.1	11
128	Vasopressin regulates human sleep by reducing rapid-eye-movement sleep. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1992 , 262, E295-300	6	11

127	Glucocorticoid influences on the auditory brain-stem responses in man. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1989 , 74, 209-16		11
126	Isolation of a vegetalizing inducing factor after extraction with acid ethanol. Concentration-dependent inducing capacity of the factor. <i>Cell Differentiation and Development</i> , 1990 , 32, 27-38		11
125	Influences of peripheral adrenocorticotropin 1-39 (ACTH) and human corticotropin releasing hormone (h-CRH) on human auditory evoked potentials (AEP). <i>Psychopharmacology</i> , 1990 , 101, 34-8	4.7	11
124	Susceptibility to auditory closed-loop stimulation of sleep slow oscillations changes with age. <i>Sleep</i> , 2020 , 43,	1.1	10
123	Improvement of sleep and pituitary-adrenal inhibition after subchronic intranasal vasopressin treatment in elderly humans. <i>Journal of Clinical Psychopharmacology</i> , 2003 , 23, 35-44	1.7	10
122	Signs of sexual behaviour are not increased after subchronic treatment with LHRH in young men. <i>Psychoneuroendocrinology</i> , 2001 , 26, 1-15	5	10
121	Changes in immune cell counts and interleukin (IL)-1beta production in humans after a somnogenically active growth hormone-releasing hormone (GHRH) administration. <i>Brain, Behavior, and Immunity</i> , 2001 , 15, 227-34	16.6	10
120	Scalp recorded direct current (DC) potential shifts associated with food intake in hungry humans. <i>Behavioural Brain Research</i> , 2001 , 119, 85-92	3.4	10
119	Vascular effects of oxytocin on human middle cerebral artery determined by transcranial Doppler sonography. <i>Regulatory Peptides</i> , 1996 , 62, 37-9		10
118	Scalp recorded direct current potential shifts associated with the transition to sleep in man. <i>Electroencephalography and Clinical Neurophysiology</i> , 1994 , 91, 346-52		10
117	Evidence for entrainment of nocturnal cortisol secretion to sleep processes in human beings. <i>Neuroendocrinology</i> , 1991 , 53, 171-6	5.6	10
116	Differential effects of human and pork insulin-induced hypoglycemia on neuronal functions in humans. <i>Diabetes</i> , 1990 , 39, 1091-1098	0.9	10
115	Back to baseline: sleep recalibrates synapses. <i>Nature Neuroscience</i> , 2019 , 22, 149-151	25.5	10
114	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> , 2019 , 60, 907-916	7.9	9
113	Reactivation of interference during sleep does not impair ongoing memory consolidation. <i>Memory</i> , 2018 , 26, 377-384	1.8	9
112	Sleep@ benefits to emotional processing emerge in the long term. <i>Cortex</i> , 2019 , 120, 457-470	3.8	9
111	Short-term nocturnal hypoglycaemia increases morning food intake in healthy humans. <i>Diabetic Medicine</i> , 2008 , 25, 232-5	3.5	9
110	Differential regulation of human blood glucose level by interleukin-2 and -6. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2005 , 113, 43-8	2.3	9

109	Increase in systolic blood pressure and catecholamine level during hyperinsulinemia in a placebo-controlled euglycemic clamp in healthy subjects. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2000 , 108, 498-505	2.3	9
108	Partial characterization of neural-inducing factors from <i>Xenopus gastrulae</i> Evidence for a larger protein complex containing the factor. <i>Roux's Archives of Developmental Biology</i> , 1992 , 201, 30-35		9
107	Influences of the cholecystokinin analog ceruletide on human sleep and evoked potentials. <i>Neuropsychobiology</i> , 1990 , 23, 41-7	4	9
106	The activation of a neuralizing factor in the neural plate is correlated with its homoiogenetic-inducing activity. <i>Roux's Archives of Developmental Biology</i> , 1986 , 195, 464-466		9
105	Influences of ACTH 4-10 on event-related potentials reflecting attention in man. <i>Physiology and Behavior</i> , 1987 , 39, 83-7	3.5	9
104	Revealing the potential of intranasally administered orexin A (hypocretin-1). <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2008 , 8, 133-7		9
103	Protective Effect of Insulin against Hypoglycemia-Associated Counterregulatory Failure		9
102	A role for central nervous growth hormone-releasing hormone signaling in the consolidation of declarative memories. <i>PLoS ONE</i> , 2011 , 6, e23435	3.7	9
101	Gedächtnisbildung im Schlaf: Die Bedeutung von Schlafstadien und Stresshormonfreisetzung. <i>Psychologische Rundschau</i> , 2000 , 51, 198-208	0.6	9
100	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> , 2016 , 311, R637-R642	3.2	9
99	Sleep enhances knowledge of routes and regions in spatial environments. <i>Learning and Memory</i> , 2017 , 24, 140-144	2.8	8
98	Children's initial sleep-associated changes in motor skill are unrelated to long-term skill levels. <i>Developmental Science</i> , 2017 , 20, e12463	4.5	8
97	Brain Stimulation During Sleep. <i>Sleep Medicine Clinics</i> , 2011 , 6, 85-95	3.6	8
96	High plasma VEGF relates to low carbohydrate intake in patients with type 2 diabetes. <i>International Journal of Obesity</i> , 2006 , 30, 1356-61	5.5	8
95	Role of insulin in Alzheimer's disease: approaches emerging from basic animal research and neurocognitive studies in humans. <i>Drug Development Research</i> , 2002 , 56, 511-525	5.1	8
94	Jealousy, general creativity, and coping with social frustration during the menstrual cycle. <i>Archives of Sexual Behavior</i> , 1996 , 25, 181-99	3.5	8
93	Effect of integration parameters on high-performance liquid chromatographic method development and validation. <i>Journal of Chromatography A</i> , 1994 , 686, 1-10	4.5	8
92	Temporal associations between sleep slow oscillations, spindles and ripples. <i>European Journal of Neuroscience</i> , 2020 , 52, 4762-4778	3.5	8

91	Variable training but not sleep improves consolidation of motor adaptation. <i>Scientific Reports</i> , 2018 , 8, 15977	4.9	8
90	Sleep Matters: CD4 T Cell Memory Formation and the Central Nervous System. <i>Trends in Immunology</i> , 2019 , 40, 674-686	14.4	7
89	Blindfolding during wakefulness causes decrease in sleep slow wave activity. <i>Physiological Reports</i> , 2017 , 5, e13239	2.6	7
88	Sleep enhances inhibitory behavioral control in discrimination learning in rats. <i>Experimental Brain Research</i> , 2014 , 232, 1469-77	2.3	7
87	Blocking NMDA receptor signaling does not decrease hormonal counterregulation to hypoglycemia in humans. <i>Psychoneuroendocrinology</i> , 2008 , 33, 1069-76	5	7
86	Lactate overrides central nervous but not beta-cell glucose sensing in humans. <i>Metabolism: Clinical and Experimental</i> , 2008 , 57, 1733-9	12.7	7
85	Hormonal, subjective, and neurocognitive responses to brief hypoglycemia in postmenopausal women and age-matched men with type 2 diabetes mellitus. <i>Metabolism: Clinical and Experimental</i> , 2006 , 55, 331-8	12.7	7
84	Antecedent hypoglycaemia attenuates vascular endothelial growth factor response to subsequent hypoglycaemia in healthy men. <i>Diabetic Medicine</i> , 2005 , 22, 1278-81	3.5	7
83	Preserved inhibitory effect of recurrent hypoglycaemia on the male gonadotrophic axis. <i>Clinical Endocrinology</i> , 2005 , 62, 217-22	3.4	7
82	Slow cortical DC-potential responses to sweet and bitter tastes in humans. <i>Physiology and Behavior</i> , 2000 , 71, 581-7	3.5	7
81	Slow potential shifts at sleep-wake transitions and shifts between NREM and REM sleep. <i>Sleep</i> , 1996 , 19, 145-51	1.1	7
80	The influence of a vasopressin-analogue (DGAVP) on event-related potentials in a stimulus-mismatch paradigm. <i>Biological Psychology</i> , 1989 , 28, 239-50	3.2	7
79	Sustained oscillatory insulin secretion after pancreas transplantation. <i>Hormone and Metabolic Research</i> , 1990 , 22, 644-6	3.1	7
78	Variations Across the Menstrual Cycle in EEG Activity During Thinking and Mental Relaxation. <i>Journal of Psychophysiology</i> , 1999 , 13, 163-172	1	7
77	Effects of sleep on the realization of complex plans. <i>Journal of Sleep Research</i> , 2019 , 28, e12655	5.8	7
76	A Role of Sleep in Forming Predictive Codes. <i>Studies in Neuroscience, Psychology and Behavioral Economics</i> , 2017 , 117-132	1.8	6
75	More Effective Consolidation of Episodic Long-Term Memory in Children Than Adults-Unrelated to Sleep. <i>Child Development</i> , 2018 , 89, 1720-1734	4.9	6
74	Effects of Sleep on Word Pair Memory in Children - Separating Item and Source Memory Aspects. <i>Frontiers in Psychology</i> , 2017 , 8, 1533	3.4	6

73	Preserved hypothermic response to hypoglycemia after antecedent hypoglycemia. <i>Metabolism: Clinical and Experimental</i> , 2000 , 49, 794-8	12.7	6
72	Enhanced psychophysiological signs of attention after angiotensin-converting enzyme inhibition by captopril. <i>Psychophysiology</i> , 1996 , 33, 295-301	4.1	6
71	Selective influence of the menstrual cycle on perception of stimuli with reproductive significance: An event-related potential study 2000 , 37, 111		6
70	Consolidation of Reward Memory during Sleep Does Not Require Dopaminergic Activation. <i>Journal of Cognitive Neuroscience</i> , 2020 , 32, 1688-1703	3.1	5
69	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	8.7	5
68	Sleep Enhances Recognition Memory for Conspecifics as Bound into Spatial Context. <i>Frontiers in Behavioral Neuroscience</i> , 2017 , 11, 28	3.5	5
67	Cholecystokinin-induced effects on selective attention depend on level of activation. <i>Neuropsychobiology</i> , 1997 , 36, 87-95	4	5
66	Melatonin does not inhibit hypothalamic-pituitary-adrenal activity in waking young men. <i>Journal of Neuroendocrinology</i> , 2005 , 17, 811-6	3.8	5
65	Cholinergic potentiation of the meal-related rise in ACTH and cortisol concentrations in men. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 1994 , 102, 460-6	2.3	5
64	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	6.6	5
63	The expression of allocentric object-place recognition memory during development. <i>Behavioural Brain Research</i> , 2019 , 372, 112013	3.4	4
62	Deprivation and Recovery of Sleep in Succession Enhances Reflexive Motor Behavior. <i>Cerebral Cortex</i> , 2015 , 25, 4610-8	5.1	4
61	Insulin and Estrogen Independently and Differentially Reduce Macronutrient Intake in Healthy Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018 , 103, 1393-1401	5.6	4
60	Dissociating Long and Short-term Memory in Three-Month-Old Infants Using the Mismatch Response to Voice Stimuli. <i>Frontiers in Psychology</i> , 2018 , 9, 31	3.4	4
59	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	4.6	4
58	NMDA receptor blockade by memantine does not prevent adaptation to recurrent hypoglycaemia in healthy men. <i>Diabetes, Obesity and Metabolism</i> , 2013 , 15, 310-5	6.7	4
57	Blocking AMPA receptor signalling by caroverine infusion does not affect counter-regulation of hypoglycaemia in healthy men. <i>Diabetologia</i> , 2009 , 52, 1192-6	10.3	4
56	Sleep loss does not aggravate the deteriorating effect of hypoglycemia on neurocognitive function in healthy men. <i>Psychoneuroendocrinology</i> , 2010 , 35, 624-8	5	4

55	Event-related brain potential correlates of self-reported hunger and satiety. <i>Psychophysiology</i> , 1993 , 30, 23-9	4.1	4
54	Delta-sleep-inducing peptide does not affect CRH and meal-induced ACTH and cortisol secretion. <i>Psychoneuroendocrinology</i> , 1995 , 20, 231-7	5	4
53	Isolation of plasma membranes from <i>Xenopus</i> embryos. <i>Wilhelm Roux's Archives of Developmental Biology</i> , 1986 , 195, 117-122		4
52	Potential-related events. Reaction time tasks contingent upon frontal lobe slow potential shifts. <i>Annals of the New York Academy of Sciences</i> , 1984 , 425, 667-70	6.5	4
51	Radioiodination with ¹²⁵ 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> , 1982 , 363, 563-71		4
50	Evidence for effects of insulin on sensory processing in humans. <i>Diabetes</i> , 1994 , 43, 351-356	0.9	4
49	Reactivation during sleep with incomplete reminder cues rather than complete ones stabilizes long-term memory in humans. <i>Communications Biology</i> , 2020 , 3, 733	6.7	4
48	Closed-End Funds, Exchange-Traded Funds, and Hedge Funds 2010 ,		4
47	Sleep supports inhibitory operant conditioning memory in. <i>Learning and Memory</i> , 2017 , 24, 252-256	2.8	3
46	Nasal heterotopia versus pilocytic astrocytoma: A narrow border. <i>Neurochirurgie</i> , 2015 , 61, 279-82	1.4	3
45	Neuroscience. Exploiting sleep to modify bad attitudes. <i>Science</i> , 2015 , 348, 971-2	33.3	3
44	Intranasal angiotensin II in humans reduces blood pressure when angiotensin II type 1 receptors are blocked. <i>Hypertension</i> , 2014 , 63, 762-7	8.5	3
43	Role of γ -aminobutyric acid signalling in the attenuation of counter-regulatory hormonal responses after antecedent hypoglycaemia in healthy men. <i>Diabetes, Obesity and Metabolism</i> , 2014 , 16, 1274-8	6.7	3
42	Sleep EEG Rhythms and System Consolidation of Memory 2012 , 187-226		3
41	Angiotensin converting enzyme inhibition by captopril influences cardiac work in healthy hearts. <i>American Journal of Hypertension</i> , 1998 , 11, 1290-6	2.3	3
40	Sleep associated endocrine and immune changes in the elderly. <i>Advances in Cell Aging and Gerontology</i> , 2005 , 113-154		3
39	The angiotensin converting enzyme inhibitors fosinopril and enalapril differ in their central nervous effects in humans. <i>Journal of Hypertension</i> , 1996 , 14, 1309-15	1.9	3
38	Proteoglycans with affinity for the neuralizing factor and the vegetalizing factor (activin A homologue). <i>Roux's Archives of Developmental Biology</i> , 1993 , 202, 316-320		3

37	Biologische Psychologie - Fach in der Psychologie?. <i>Psychologische Rundschau</i> , 2000 , 51, 218-220	0.6	3
36	Biologische Psychologie 2010 - Visionen zur Zukunft des Faches in der Psychologie. <i>Psychologische Rundschau</i> , 2003 , 54, 120-120	0.6	3
35	Ceruletide improves event-related potential indicators of cognitive processing in young but not in elderly humans. <i>Journal of Clinical Psychopharmacology</i> , 1996 , 16, 440-5	1.7	3
34	Vast amounts of encoded items nullify but do not reverse the effect of sleep on declarative memory		3
33	Jücke, L. & Petermann, F. (Hrsg.). (2010). Wie viel Biologie braucht die Psychologie [Themenheft]. <i>Psychologische Rundschau</i> , 61 (4). <i>Psychologische Rundschau</i> , 2011 , 62, 116-119	0.6	3
32	Post-Learning Sleep Transiently Boosts Context Specific Operant Extinction Memory. <i>Frontiers in Behavioral Neuroscience</i> , 2017 , 11, 74	3.5	2
31	Sleep, Don't Sneeze: Longer Sleep Reduces the Risk of Catching a Cold. <i>Sleep</i> , 2015 , 38, 1341-2	1.1	2
30	Sequential Successful Surgical Management of Extracranial Internal Carotid Stenosis and Ipsilateral Intracranial Aneurysm: Case Reports. <i>Vascular Surgery</i> , 1997 , 31, 179-185		2
29	Dependence of Human Cytokine Production and Mononuclear Cell Subset Counts on Circadian Rhythm and Sleep 1997 , 18, 18-31		2
28	PreproTRH(158-183) fails to affect pituitary-adrenal response to CRH/vasopressin in man: a pilot study. <i>Neuropeptides</i> , 2007 , 41, 233-8	3.3	2
27	Refinements and confinements in a two-stage model of memory consolidation. <i>Behavioral and Brain Sciences</i> , 2005 , 28, 857-858	0.9	2
26	Growth hormone-releasing hormone facilitates hypoglycemia-induced release of cortisol. <i>Regulatory Peptides</i> , 2002 , 110, 85-91		2
25	Effects of calcitonin on human auditory and visual evoked brain potentials. <i>Psychopharmacology</i> , 1992 , 107, 50-4	4.7	2
24	Effects of cytokines on human EEG and sleep. <i>Key Topics in Brain Research</i> , 1997 , 103-118		2
23	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	11.5	1
22	A Backup of Hippocampal Spatial Code outside the Hippocampus? New Light on Systems Memory Consolidation. <i>Neuron</i> , 2020 , 106, 204-206	13.9	1
21	Wakefulness rather than sleep benefits extinction of an inhibitory operant conditioning memory in Aplysia. <i>Neurobiology of Learning and Memory</i> , 2018 , 155, 306-312	3.1	1
20	Sleep increases explicit solutions and reduces intuitive judgments of semantic coherence. <i>Learning and Memory</i> , 2017 , 24, 641-645	2.8	1

19	Memory formation in sleep: giving a wave to dreams. Commentary on memory failures, dream illusions and mental malfunction by J. Lee Kavanau. <i>Neuropsychobiology</i> , 2001 , 44, 212-4	4	1
18	Accelerated ST-segment reduction after thrombolytic therapy with recombinant tissue plasminogen activator (rtPA) compared to urokinase. <i>International Heart Journal</i> , 1996 , 37, 33-41		1
17	Determination, induction and pattern formation in early amphibian embryos. <i>Development Growth and Differentiation</i> , 1996 , 38, 575-575	3	1
16	Transforming growth factor beta and a mesoderm inducing factor from human blood platelets are different proteins. <i>FEBS Letters</i> , 1990 , 273, 68-70	3.8	1
15	Effects of an ACTH 4-9 analog on auditory evoked brainstem responses and middle latency responses. <i>Pharmacology Biochemistry and Behavior</i> , 1985 , 23, 367-72	3.9	1
14	No elevated plasma catecholamine levels during sleep in newly diagnosed, untreated hypertensives. <i>PLoS ONE</i> , 2011 , 6, e21292	3.7	1
13	Functional evidence for a transmission of peptides along the olfactory systems into the brain in healthy humans 1996 , 291-296		1
12	The role of interferon-alpha in the regulation of sleep. <i>Key Topics in Brain Research</i> , 1999 , 131-144		1
11	Susceptibility to auditory closed-loop stimulation of sleep slow oscillations changes with age		1
10	Sleep-dependent consolidation patterns reveal insights into episodic memory structure. <i>Neurobiology of Learning and Memory</i> , 2019 , 160, 67-72	3.1	0
9	Deepened sleep makes hippocampal spatial memory more persistent. <i>Neurobiology of Learning and Memory</i> , 2020 , 173, 107245	3.1	0
8	Picosecond pulse generation for visible semiconductor laser operating at 650-nm wavelength with the use of the gain-switching technique. <i>Microwave and Optical Technology Letters</i> , 2002 , 35, 65-67	1.2	
7	Norepinephrine amplifies effects of vasopressin on the isolated rat heart. <i>Regulatory Peptides</i> , 1992 , 39, 35-41		
6	Acute and long-term effects of adrenocorticotropin and dexamethasone on the auditory brainstem response in multiple sclerosis patients. <i>Journal of Neurology</i> , 1993 , 241, 75-80	5.5	
5	Counter-regulatory hormone responses to human and porcine insulin induced hypoglycaemia. <i>Lancet, The</i> , 1990 , 335, 485	4.0	
4	Adrenergic influences on cardiac function during ventricular fibrillation in isolated rat hearts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1991 , 261, H1452-6	5.2	
3	Effects of Blood-Borne Endorphin and Other POMC-Derived Peptides on Brain Functions in Man 1990 , 127-134		
2	A Structured Distributed Genetic Algorithm for Function Optimization. <i>Lecture Notes in Economics and Mathematical Systems</i> , 1991 , 199-208	0.4	

- 1 Intracranial germ cell tumor. *Journal of the Belgian Society of Radiology*, **2010**, 93, 196-7