

# Wolfgang Klimesch

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/4417255/wolfgang-klimesch-publications-by-year.pdf>

**Version:** 2024-04-24

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.

78  
papers

15,931  
citations

43  
h-index

81  
g-index

81  
ext. papers

18,647  
ext. citations

4.6  
avg, IF

7.32  
L-index

#	Paper	IF	Citations
78	Processing of fMRI-related anxiety and bi-directional information flow between prefrontal cortex and brain stem. <i>Scientific Reports</i> , <b>2021</b> , 11, 22348	4.9	3
77	Verification of a Central Pacemaker in Brain Stem by Phase-Coupling Analysis Between HR Interval- and BOLD-Oscillations in the 0.10-0.15 Hz Frequency Band. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 922	5.1	8
76	International Federation of Clinical Neurophysiology (IFCN) - EEG research workgroup: Recommendations on frequency and topographic analysis of resting state EEG rhythms. Part 1: Applications in clinical research studies. <i>Clinical Neurophysiology</i> , <b>2020</b> , 131, 285-307	4.3	64
75	"Switch-Off" of Respiratory Sinus Arrhythmia May Be Associated With the Activation of an Oscillatory Source (Pacemaker) in the Brain Stem. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 939	4.6	8
74	Coupling and Decoupling between Brain and Body Oscillations. <i>Neuroscience Letters</i> , <b>2019</b> , 711, 134401	3.3	3
73	The frequency architecture of brain and brain body oscillations: an analysis. <i>European Journal of Neuroscience</i> , <b>2018</b> , 48, 2431-2453	3.5	55
72	State-dependent alpha peak frequency shifts: Experimental evidence, potential mechanisms and functional implications. <i>Neuroscience</i> , <b>2017</b> , 360, 146-154	3.9	85
71	Social Pavlovian conditioning: Short- and long-term effects and the role of anxiety and depressive symptoms. <i>Social Cognitive and Affective Neuroscience</i> , <b>2017</b> , 12, 329-339	4	13
70	Heartbeat-related EEG amplitude and phase modulations from wakefulness to deep sleep: Interactions with sleep spindles and slow oscillations. <i>Psychophysiology</i> , <b>2015</b> , 52, 1441-50	4.1	42
69	Prestimulus amplitudes modulate P1 latencies and evoked traveling alpha waves. <i>Frontiers in Human Neuroscience</i> , <b>2015</b> , 9, 302	3.3	6
68	Progesterone-associated increase in ERP amplitude correlates with an improvement in performance in a spatial attention paradigm. <i>Brain Research</i> , <b>2015</b> , 1595, 74-83	3.7	12
67	Long-Term Effects of Gestures on Memory for Foreign Language Words Trained in the Classroom. <i>Mind, Brain, and Education</i> , <b>2014</b> , 8, 74-88	1.8	74
66	Alpha phase, temporal attention, and the generation of early event related potentials. <i>NeuroImage</i> , <b>2014</b> , 103, 119-129	7.9	25
65	Resting state alpha frequency is associated with menstrual cycle phase, estradiol and use of oral contraceptives. <i>Brain Research</i> , <b>2014</b> , 1577, 36-44	3.7	46
64	Lexical access and evoked traveling alpha waves. <i>NeuroImage</i> , <b>2014</b> , 91, 252-61	7.9	8
63	CRS-R score in disorders of consciousness is strongly related to spectral EEG at rest. <i>Journal of Neurology</i> , <b>2013</b> , 260, 2348-56	5.5	66
62	An algorithm for the EEG frequency architecture of consciousness and brain body coupling. <i>Frontiers in Human Neuroscience</i> , <b>2013</b> , 7, 766	3.3	31

61	Alpha entrainment is responsible for the attentional blink phenomenon. <i>NeuroImage</i> , <b>2012</b> , 63, 674-86	7.9	30
60	Inter-individual performance differences in younger and older adults differentially relate to amplitude modulations and phase stability of oscillations controlling working memory contents. <i>NeuroImage</i> , <b>2012</b> , 60, 71-82	7.9	25
59	Band oscillations, attention, and controlled access to stored information. <i>Trends in Cognitive Sciences</i> , <b>2012</b> , 16, 606-17	14	1484
58	The EEG frequency architecture, coupled oscillations and consciousness: Comment on 'Consciousness, biology and quantum hypotheses' by Baars and Edelman. <i>Physics of Life Reviews</i> , <b>2012</b> , 9, 295-6; discussion 306-7	2.1	2
57	Evoked traveling alpha waves predict visual-semantic categorization-speed. <i>NeuroImage</i> , <b>2012</b> , 59, 3379-88	7.8	36
56	The role of oscillations in temporal attention. <i>Brain Research Reviews</i> , <b>2011</b> , 67, 331-43		219
55	Alpha oscillations and early stages of visual encoding. <i>Frontiers in Psychology</i> , <b>2011</b> , 2, 118	3.4	88
54	Event-related activity and phase locking during a psychomotor vigilance task over the course of sleep deprivation. <i>Journal of Sleep Research</i> , <b>2011</b> , 20, 377-85	5.8	27
53	Brain oscillatory correlates of working memory constraints. <i>Brain Research</i> , <b>2011</b> , 1375, 93-102	3.7	73
52	Evoked alpha and early access to the knowledge system: the P1 inhibition timing hypothesis. <i>Brain Research</i> , <b>2011</b> , 1408, 52-71	3.7	120
51	Oscillatory brain activity in vegetative and minimally conscious state during a sentence comprehension task. <i>Functional Neurology</i> , <b>2011</b> , 26, 31-6	2.2	10
50	Human frontal midline theta and its synchronization to gamma during a verbal delayed match to sample task. <i>Neurobiology of Learning and Memory</i> , <b>2010</b> , 93, 208-15	3.1	55
49	Oscillatory mechanisms of process binding in memory. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2010</b> , 34, 1002-14	9	117
48	When frequencies never synchronize: the golden mean and the resting EEG. <i>Brain Research</i> , <b>2010</b> , 1335, 91-102	3.7	38
47	Brain oscillatory substrates of visual short-term memory capacity. <i>Current Biology</i> , <b>2009</b> , 19, 1846-52	6.3	473
46	Dissociation between phase-locked and nonphase-locked alpha oscillations in a working memory task. <i>Human Brain Mapping</i> , <b>2009</b> , 30, 3417-25	5.9	77
45	Lifespan differences in cortical dynamics of auditory perception. <i>Developmental Science</i> , <b>2009</b> , 12, 839-53	5.5	54
44	Is there "neural efficiency" during the processing of visuo-spatial information in male humans? An EEG study. <i>Behavioural Brain Research</i> , <b>2009</b> , 205, 468-74	3.4	16

43	The functional relevance of phase reset: a comment to Risner et al. (2009): The visual evoked potential of surface alpha rhythm phase. <i>NeuroImage</i> , <b>2009</b> , 47, 5-7	7.9	24
42	Functional similarities between the P1 component and alpha oscillations. <i>European Journal of Neuroscience</i> , <b>2008</b> , 27, 2330-40	3.5	53
41	A short review of slow phase synchronization and memory: evidence for control processes in different memory systems?. <i>Brain Research</i> , <b>2008</b> , 1235, 31-44	3.7	194
40	Cross-frequency phase synchronization: a brain mechanism of memory matching and attention. <i>NeuroImage</i> , <b>2008</b> , 40, 308-17	7.9	154
39	Oscillatory correlates of intentional updating in episodic memory. <i>NeuroImage</i> , <b>2008</b> , 41, 596-604	7.9	60
38	Alpha phase coupling reflects object recognition. <i>NeuroImage</i> , <b>2008</b> , 42, 928-35	7.9	73
37	What does phase information of oscillatory brain activity tell us about cognitive processes?. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2008</b> , 32, 1001-13	9	369
36	The electrophysiological dynamics of interference during the Stroop task. <i>Journal of Cognitive Neuroscience</i> , <b>2008</b> , 20, 215-25	3.1	330
35	Instrumental conditioning of human sensorimotor rhythm (12-15 Hz) and its impact on sleep as well as declarative learning. <i>Sleep</i> , <b>2008</b> , 31, 1401-8	1.1	106
34	P1 and traveling alpha waves: evidence for evoked oscillations. <i>Journal of Neurophysiology</i> , <b>2007</b> , 97, 1311-8	3.2	71
33	Event-related phase reorganization may explain evoked neural dynamics. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2007</b> , 31, 1003-16	9	219
32	EEG alpha oscillations: the inhibition-timing hypothesis. <i>Brain Research Reviews</i> , <b>2007</b> , 53, 63-88		2392
31	Alpha phase reset contributes to the generation of ERPs. <i>Cerebral Cortex</i> , <b>2007</b> , 17, 1-8	5.1	137
30	Gamma oscillatory activity in a visual discrimination task. <i>Brain Research Bulletin</i> , <b>2007</b> , 71, 593-600	3.9	17
29	Prestimulus oscillations predict visual perception performance between and within subjects. <i>NeuroImage</i> , <b>2007</b> , 37, 1465-73	7.9	497
28	Distinguishing the evoked response from phase reset: a comment to Mäkinen et al. <i>NeuroImage</i> , <b>2006</b> , 29, 808-11	7.9	39
27	Upper alpha ERD and absolute power: their meaning for memory performance. <i>Progress in Brain Research</i> , <b>2006</b> , 159, 151-65	2.9	140
26	How is dysfluent reading reflected in the ERP?. <i>Journal of Neurolinguistics</i> , <b>2005</b> , 18, 153-165	1.9	7

25	Visual discrimination performance is related to decreased alpha amplitude but increased phase locking. <i>Neuroscience Letters</i> , <b>2005</b> , 375, 64-8	3.3	183
24	Fronto-parietal EEG coherence in theta and upper alpha reflect central executive functions of working memory. <i>International Journal of Psychophysiology</i> , <b>2005</b> , 57, 97-103	2.9	520
23	EEG alpha synchronization and functional coupling during top-down processing in a working memory task. <i>Human Brain Mapping</i> , <b>2005</b> , 26, 148-55	5.9	318
22	Increasing individual upper alpha power by neurofeedback improves cognitive performance in human subjects. <i>Applied Psychophysiology Biofeedback</i> , <b>2005</b> , 30, 1-10	3.4	297
21	Alpha phase synchronization predicts P1 and N1 latency and amplitude size. <i>Cerebral Cortex</i> , <b>2005</b> , 15, 371-7	5.1	173
20	The functional significance of theta and upper alpha oscillations. <i>Experimental Psychology</i> , <b>2005</b> , 52, 99-108		233
19	EVOKED OSCILLATIONS AND EARLY COMPONENTS OF EVENT-RELATED POTENTIALS: AN ANALYSIS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2004</b> , 14, 705-718	2	18
18	Phase-locked alpha and theta oscillations generate the P1-N1 complex and are related to memory performance. <i>Cognitive Brain Research</i> , <b>2004</b> , 19, 302-16		242
17	Alpha power dependent light stimulation: dynamics of event-related (de)synchronization in human electroencephalogram. <i>Cognitive Brain Research</i> , <b>2004</b> , 20, 256-60		32
16	Alpha power dependent light stimulation: dynamics of event-related (de)synchronization in human electroencephalogram. <i>Cognitive Brain Research</i> , <b>2004</b> , 20, 256-256		
15	Theta coupling in the human electroencephalogram during a working memory task. <i>Neuroscience Letters</i> , <b>2004</b> , 354, 123-6	3.3	152
14	Activation of long-term memory by alpha oscillations in a working-memory task?. <i>Behavioral and Brain Sciences</i> , <b>2003</b> , 26, 743-743	0.9	6
13	Enhancing cognitive performance with repetitive transcranial magnetic stimulation at human individual alpha frequency. <i>European Journal of Neuroscience</i> , <b>2003</b> , 17, 1129-33	3.5	257
12	EEG Theta, Memory, and Sleep <b>2003</b> , 149-165		1
11	Sleep and memory consolidation: The role of electrophysiological neuroimaging. <i>Somnologie</i> , <b>2002</b> , 6, 54-62	2	4
10	Von der kognitiven zur biologischen Psychologie. <i>Zeitschrift Fuer Psychologie Mit Zeitschrift Fuer Angewandte Psychologie</i> , <b>2001</b> , 209, 17-33		
9	Auditorily elicited EEG desynchronization and synchronization: A review of Christina M. Krause's doctoral thesis. <i>Scandinavian Journal of Psychology</i> , <b>1999</b> , 40, 329-331	2.2	2
8	: Brain Function and Oscillations, Vol. II: Integrative Brain Function. Neurophysiology and Cognitive Processes, edited by Erol Basar. <i>Trends in Cognitive Sciences</i> , <b>1999</b> , 3, 244	14	4

7	EEG alpha and theta oscillations reflect cognitive and memory performance: a review and analysis. <i>Brain Research Reviews</i> , <b>1999</b> , 29, 169-95		4258
6	The functional significance of absolute power with respect to event-related desynchronization. <i>Brain Topography</i> , <b>1998</b> , 11, 133-40	4.3	68
5	High-frequency components in the alpha band and memory performance. <i>Journal of Clinical Neurophysiology</i> , <b>1998</b> , 15, 167-72	2.2	68
4	Memory processes, brain oscillations and EEG synchronization. <i>International Journal of Psychophysiology</i> , <b>1996</b> , 24, 61-100	2.9	685
3	The functional meaning of reverberations for sensoric and contextual encoding. <i>Behavioral and Brain Sciences</i> , <b>1995</b> , 18, 636-636	0.9	
2	Semantic memory: complexity or connectivity?. <i>Memory and Cognition</i> , <b>1992</b> , 20, 192-210	2.2	20
1	A connectivity model for semantic processing. <i>Psychological Research</i> , <b>1987</b> , 49, 53-61	2.5	14