

Jochen Kaiser

List of Publications by Year in descending order

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134
papers

6,684
citations

76294

40
h-index

69214

77
g-index

149
all docs

149
docs citations

149
times ranked

7595
citing authors

#	ARTICLE	IF	CITATIONS
1	Human gamma-frequency oscillations associated with attention and memory. Trends in Neurosciences, 2007, 30, 317-324.	4.2	992
2	Factors modulating neural reactivity to drug cues in addiction: A survey of human neuroimaging studies. Neuroscience and Biobehavioral Reviews, 2014, 38, 1-16.	2.9	438
3	Neurofeedback treatment for attention-deficit/hyperactivity disorder in children: a comparison with methylphenidate. Applied Psychophysiology Biofeedback, 2003, 28, 1-12.	1.0	343
4	Human gamma-band activity: A window to cognitive processing. NeuroReport, 2005, 16, 207-211.	0.6	190
5	Object Familiarity and Semantic Congruency Modulate Responses in Cortical Audiovisual Integration Areas. Journal of Neuroscience, 2007, 27, 7881-7887.	1.7	190
6	Dynamics of Gamma-Band Activity during an Audiospatial Working Memory Task in Humans. Journal of Neuroscience, 2002, 22, 5630-5638.	1.7	186
7	Right-Hemisphere Dominance for the Processing of Sound-Source Lateralization. Journal of Neuroscience, 2000, 20, 6631-6639.	1.7	172
8	Induced Gamma-Band Activity and Human Brain Function. Neuroscientist, 2003, 9, 475-484.	2.6	167
9	Transfer entropy in magnetoencephalographic data: Quantifying information flow in cortical and cerebellar networks. Progress in Biophysics and Molecular Biology, 2011, 105, 80-97.	1.4	166
10	Memory-related EEG power and coherence reductions in mild Alzheimer's disease. International Journal of Psychophysiology, 2003, 49, 147-163.	0.5	146
11	Dynamics of gamma-band activity in human magnetoencephalogram during auditory pattern working memory. NeuroImage, 2003, 20, 816-827.	2.1	140
12	Chemotherapy, cognitive impairment and hippocampal toxicity. Neuroscience, 2015, 309, 224-232.	1.1	120
13	The Effects of Acute Physical Exercise on Memory, Peripheral BDNF, and Cortisol in Young Adults. Neural Plasticity, 2016, 2016, 1-12.	1.0	116
14	Functional neuroimaging studies in addiction: Multisensory drug stimuli and neural cue reactivity. Neuroscience and Biobehavioral Reviews, 2012, 36, 825-835.	2.9	106
15	Basic operations in working memory: Contributions from functional imaging studies. Behavioural Brain Research, 2010, 214, 172-179.	1.2	105
16	Neural correlates of chemotherapy-related cognitive impairment. Cortex, 2014, 54, 33-50.	1.1	104
17	Effects of memory load on cortical oscillatory activity during auditory pattern working memory. Brain Research, 2006, 1120, 131-140.	1.1	103
18	Event-related beta desynchronization indicates timing of response selection in a delayed-response paradigm in humans. Neuroscience Letters, 2001, 312, 149-152.	1.0	87

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19	Sensory and motor aspects of addiction. Behavioural Brain Research, 2010, 207, 215-222.	1.2	87
20	Processing of location and pattern changes of natural sounds in the human auditory cortex. NeuroImage, 2007, 35, 1192-1200.	2.1	85
21	Brain Regions Related to Tool Use and Action Knowledge Reflect Nicotine Dependence. Journal of Neuroscience, 2009, 29, 4922-4929.	1.7	84
22	Hearing Lips: Gamma-band Activity During Audiovisual Speech Perception. Cerebral Cortex, 2005, 15, 646-653.	1.6	83
23	Kinetics of serum brain-derived neurotrophic factor following low-intensity versus high-intensity exercise in men and women. NeuroReport, 2012, 23, 889-893.	0.6	76
24	Magnetoencephalographic gamma-band responses to illusory triangles in humans. NeuroImage, 2004, 23, 551-560.	2.1	73
25	Attentional Modulation of the Inner Ear: A Combined Otoacoustic Emission and EEG Study. Journal of Neuroscience, 2014, 34, 9995-10002.	1.7	72
26	Dynamics of Gamma-band Activity Induced by Auditory Pattern Changes in Humans. Cerebral Cortex, 2002, 12, 212-221.	1.6	68
27	A brain-computer interface tool to assess cognitive functions in completely paralyzed patients with amyotrophic lateral sclerosis. Clinical Neurophysiology, 2008, 119, 2214-2223.	0.7	68
28	Cortical Plasticity of Audio-Visual Object Representations. Cerebral Cortex, 2009, 19, 1641-1653.	1.6	66
29	Human gamma-band activity and behavior. International Journal of Psychophysiology, 2011, 79, 39-48.	0.5	64
30	Gamma-band activity over early sensory areas predicts detection of changes in audiovisual speech stimuli. NeuroImage, 2006, 30, 1376-1382.	2.1	61
31	Context information supports serial dependence of multiple visual objects across memory episodes. Nature Communications, 2020, 11, 1932.	5.8	56
32	Selectivity for Animal Vocalizations in the Human Auditory Cortex. Cerebral Cortex, 2007, 17, 2601-2608.	1.6	55
33	Probing category selectivity for environmental sounds in the human auditory brain. Neuropsychologia, 2008, 46, 2776-2786.	0.7	55
34	Expanded Temporal Binding Windows in People with Mild Cognitive Impairment. Current Alzheimer Research, 2015, 12, 61-68.	0.7	55
35	Effects of feature-selective attention on auditory pattern and location processing. NeuroImage, 2008, 41, 69-79.	2.1	52
36	Cortical Oscillatory Activity and the Dynamics of Auditory Memory Processing. Reviews in the Neurosciences, 2005, 16, 239-54.	1.4	48

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37	Physical Exercise during Encoding Improves Vocabulary Learning in Young Female Adults: A Neuroendocrinological Study. <i>PLoS ONE</i> , 2013, 8, e64172.	1.1	48
38	Treadmill walking during vocabulary encoding improves verbal long-term memory. <i>Behavioral and Brain Functions</i> , 2014, 10, 24.	1.4	48
39	Distinct Gamma-Band Components Reflect the Short-Term Memory Maintenance of Different Sound Lateralization Angles. <i>Cerebral Cortex</i> , 2008, 18, 2286-2295.	1.6	43
40	Two types of serial dependence in visual working memory. <i>British Journal of Psychology</i> , 2019, 110, 256-267.	1.2	42
41	Audiovisual Functional Magnetic Resonance Imaging Adaptation Reveals Multisensory Integration Effects in Object-Related Sensory Cortices. <i>Journal of Neuroscience</i> , 2010, 30, 3370-3379.	1.7	41
42	Location changes enhance hemispheric asymmetry of magnetic fields evoked by lateralized sounds in humans. <i>Neuroscience Letters</i> , 2001, 314, 17-20.	1.0	40
43	Stability of BDNF in Human Samples Stored Up to 6 Months and Correlations of Serum and EDTA-Plasma Concentrations. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1189.	1.8	40
44	Magnetic oscillatory responses to lateralization changes of natural and artificial sounds in humans. <i>European Journal of Neuroscience</i> , 2002, 15, 345-354.	1.2	39
45	Activity in Human Visual and Parietal Cortex Reveals Object-Based Attention in Working Memory. <i>Journal of Neuroscience</i> , 2015, 35, 3360-3369.	1.7	38
46	Recognition of affective prosody in brain-damaged patients and healthy controls: A neurophysiological study using EEG and whole-head MEG. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2009, 9, 153-167.	1.0	36
47	The Association between Gray Matter Volume and Reading Proficiency: A Longitudinal Study of Beginning Readers. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 308-318.	1.1	35
48	Dynamics of Oscillatory Activity during Auditory Decision Making. <i>Cerebral Cortex</i> , 2007, 17, 2258-2267.	1.6	34
49	Task- and performance-related modulation of domain-specific auditory short-term memory representations in the gamma-band. <i>NeuroImage</i> , 2009, 46, 1127-1136.	2.1	34
50	Statistical probability mapping reveals high-frequency magnetoencephalographic activity in supplementary motor area during self-paced finger movements. <i>Neuroscience Letters</i> , 2000, 283, 81-84.	1.0	31
51	Auditory "motor synchronization facilitates attention allocation. <i>NeuroImage</i> , 2013, 82, 101-106.	2.1	30
52	Simultaneous bilateral mismatch response to right- but not leftward sound lateralization. <i>NeuroReport</i> , 2000, 11, 2889-2892.	0.6	29
53	Brain Mapping-Based Model of δ^9 -Tetrahydrocannabinol Effects on Connectivity in the Pain Matrix. <i>Neuropsychopharmacology</i> , 2016, 41, 1659-1669.	2.8	29
54	A Non-Invasive Communication Device for the Paralyzed. <i>Minimally Invasive Neurosurgery</i> , 2002, 45, 19-23.	0.9	28

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55	Electrophysiological and information processing variability predicts memory decrements associated with normal age-related cognitive decline and Alzheimer's disease (AD). <i>Brain Research</i> , 2006, 1119, 215-226.	1.1	28
56	Sensory modality of smoking cues modulates neural cue reactivity. <i>Psychopharmacology</i> , 2013, 225, 461-471.	1.5	28
57	Dynamics of auditory working memory. <i>Frontiers in Psychology</i> , 2015, 6, 613.	1.1	28
58	Temporal dynamics of stimulus-specific gamma-band activity components during auditory short-term memory. <i>NeuroImage</i> , 2009, 44, 257-264.	2.1	27
59	Alpha synchronization during auditory spatial short-term memory. <i>NeuroReport</i> , 2007, 18, 1129-1132.	0.6	26
60	Behavioral relevance of gamma-band activity for short-term memory-based auditory decision-making. <i>European Journal of Neuroscience</i> , 2008, 27, 3322-3328.	1.2	26
61	Gamma-band activity dissociates between matching and nonmatching stimulus pairs in an auditory delayed matching-to-sample task. <i>NeuroImage</i> , 2006, 30, 1357-1364.	2.1	24
62	Electrophysiological entropy in younger adults, older controls and older cognitively declined adults. <i>Brain Research</i> , 2012, 1445, 1-10.	1.1	24
63	Improving audio-visual temporal perception through training enhances beta-band activity. <i>NeuroImage</i> , 2020, 206, 116312.	2.1	24
64	Psychosocial distress in acute cancer patients assessed with an expert rating scale. <i>Supportive Care in Cancer</i> , 2010, 18, 957-965.	1.0	23
65	Visuohaptic convergence in a corticocerebellar network. <i>European Journal of Neuroscience</i> , 2010, 31, 1730-1736.	1.2	23
66	fMRI characterization of visual working memory recognition. <i>NeuroImage</i> , 2014, 90, 413-422.	2.1	23
67	Temporal integration of multisensory stimuli in autism spectrum disorder: a predictive coding perspective. <i>Journal of Neural Transmission</i> , 2016, 123, 917-923.	1.4	23
68	Object-based attention prioritizes working memory contents at a theta rhythm.. <i>Journal of Experimental Psychology: General</i> , 2021, 150, 1250-1256.	1.5	23
69	At your own peril: An ERP study of voluntary task set selection processes in the medial frontal cortex. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2007, 7, 286-296.	1.0	22
70	Processing of Auditory Location Changes after Horizontal Head Rotation. <i>Journal of Neuroscience</i> , 2009, 29, 13074-13078.	1.7	21
71	Dynamics of sensorimotor cortex activation to spatial sounds precueing ipsi- versus contralateral manual responses. <i>Cognitive Brain Research</i> , 2003, 17, 573-583.	3.3	20
72	Orientation-specific adaptation to mentally generated lines in human visual cortex. <i>NeuroImage</i> , 2009, 47, 384-391.	2.1	20

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73	Predictable information in neural signals during resting state is reduced in autism spectrum disorder. <i>Human Brain Mapping</i> , 2018, 39, 3227-3240.	1.9	20
74	Cognitive Performance and Psychological Distress in Breast Cancer Patients at Disease Onset. <i>Frontiers in Psychology</i> , 2019, 10, 2584.	1.1	20
75	Decomposition of working memory-related scalp ERPs: Crossvalidation of fMRI-constrained source analysis and ICA. <i>International Journal of Psychophysiology</i> , 2008, 67, 200-211.	0.5	19
76	Separable Neural Bases for Subprocesses of Recognition in Working Memory. <i>Cerebral Cortex</i> , 2012, 22, 1950-1958.	1.6	19
77	Frontal gamma-band activity in magnetoencephalogram during auditory oddball processing. <i>NeuroReport</i> , 2004, 15, 2185-2188.	0.6	18
78	Prefrontal gamma-band activity distinguishes between sound durations. <i>Brain Research</i> , 2007, 1139, 153-162.	1.1	17
79	Parietal gamma-band activity during auditory spatial precueing of motor responses. <i>NeuroReport</i> , 2001, 12, 3479-3482.	0.6	16
80	Conditional associative learning examined in a paralyzed patient with amyotrophic lateral sclerosis using brain-computer interface technology. <i>Behavioral and Brain Functions</i> , 2008, 4, 53.	1.4	16
81	The Influence of Endogenous and Exogenous Spatial Attention on Decision Confidence. <i>Scientific Reports</i> , 2017, 7, 6431.	1.6	16
82	Processing of spectral and amplitude envelope of animal vocalizations in the human auditory cortex. <i>Neuropsychologia</i> , 2010, 48, 2824-2832.	0.7	15
83	Repetition suppression and effects of familiarity on blood oxygenation level dependent signal and gamma-band activity. <i>NeuroReport</i> , 2012, 23, 757-761.	0.6	15
84	Predictive Coding Over the Lifespan: Increased Reliance on Perceptual Priors in Older Adults – A Magnetoencephalography and Dynamic Causal Modeling Study. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 631599.	1.7	15
85	Electrocortical and behavioral effects of chronic immobility on word processing. <i>Cognitive Brain Research</i> , 2003, 17, 188-199.	3.3	14
86	Cortical oscillatory activity during spatial echoic memory. <i>European Journal of Neuroscience</i> , 2005, 21, 587-590.	1.2	14
87	Auditory repetition enhancement at short interstimulus intervals for frequency-modulated tones. <i>Brain Research</i> , 2011, 1411, 65-75.	1.1	14
88	Cognitive effects of rhythmic auditory stimulation in Parkinson’s disease: A P300 study. <i>Brain Research</i> , 2019, 1716, 70-79.	1.1	14
89	Repetition Enhancement for Frequency-Modulated but Not Unmodulated Sounds: A Human MEG Study. <i>PLoS ONE</i> , 2010, 5, e15548.	1.1	13
90	P3b Reflects Periodicity in Linguistic Sequences. <i>PLoS ONE</i> , 2012, 7, e51419.	1.1	13

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91	High pain sensitivity is distinct from high susceptibility to non-painful sensory input at threshold level. <i>International Journal of Psychophysiology</i> , 2011, 80, 69-74.	0.5	12
92	Smoking experience modulates the cortical integration of vision and haptics. <i>NeuroImage</i> , 2012, 59, 547-555.	2.1	12
93	Actively but not passively synchronized motor activity amplifies predictive timing. <i>NeuroImage</i> , 2016, 139, 211-217.	2.1	12
94	Decoding Concurrent Representations of Pitch and Location in Auditory Working Memory. <i>Journal of Neuroscience</i> , 2021, 41, 4658-4666.	1.7	11
95	Enhanced visuo-haptic integration for the non-dominant hand. <i>Brain Research</i> , 2015, 1614, 75-85.	1.1	10
96	Dynamics of working memory for moving sounds: An event-related potential and scalp current density study. <i>NeuroImage</i> , 2003, 19, 1427-1438.	2.1	9
97	Investigating human audio-visual object perception with a combination of hypothesis-generating and hypothesis-testing fMRI analysis tools. <i>Experimental Brain Research</i> , 2011, 213, 309-320.	0.7	9
98	Sequential whole report accesses different states in visual working memory.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2018, 44, 588-603.	0.7	9
99	Electroencephalographic coherence, aging, and memory: distinct responses to background context and stimulus repetition in younger, older, and older declined groups. <i>Experimental Brain Research</i> , 2011, 212, 241-255.	0.7	8
100	Recurrence of task set-related MEG signal patterns during auditory working memory. <i>Brain Research</i> , 2016, 1640, 232-242.	1.1	8
101	Differential trajectories of memory quality and guessing across sequential reports from working memory. <i>Journal of Vision</i> , 2019, 19, 3.	0.1	8
102	The neural computation of human prosocial choices in complex motivational states. <i>NeuroImage</i> , 2022, 247, 118827.	2.1	8
103	Direct contrasts between experimental conditions may yield more focal oscillatory activations than comparing pre- versus post-stimulus responses. <i>Brain Research</i> , 2008, 1235, 63-73.	1.1	7
104	EEG gamma-band responses reflect human behavior: An overview. <i>International Journal of Psychophysiology</i> , 2011, 79, 1-2.	0.5	7
105	Repetition of complex frequency-modulated sweeps enhances neuromagnetic responses in the human auditory cortex. <i>Hearing Research</i> , 2011, 282, 216-224.	0.9	7
106	Synaesthesia or Vivid Imagery? A Single Case fMRI Study of Visually Induced Olfactory Perception. <i>Multisensory Research</i> , 2014, 27, 225-246.	0.6	7
107	Auditory-motor coupling affects phonetic encoding. <i>Brain Research</i> , 2019, 1716, 39-49.	1.1	7
108	Visual objects interact differently during encoding and memory maintenance. <i>Attention, Perception, and Psychophysics</i> , 2020, 82, 1241-1257.	0.7	6

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109	Let's Talk Together: Memory Traces Revealed by Cooperative Activation in the Cerebral Cortex. <i>International Review of Neurobiology</i> , 2005, 68, 51-78.	0.9	5
110	Decoding Spatial Versus Non-spatial Processing in Auditory Working Memory. <i>Frontiers in Neuroscience</i> , 2021, 15, 637877.	1.4	5
111	Behavioural and electrophysiological effects of visual paired associate context manipulations during encoding and recognition in younger adults, older adults and older cognitively declined adults. <i>Experimental Brain Research</i> , 2012, 216, 621-633.	0.7	4
112	Cognitive Impairment in Multiple Sclerosis Is Reflected by Increased Susceptibility to the Sound-Induced Flash Illusion. <i>Frontiers in Neurology</i> , 2019, 10, 373.	1.1	4
113	Significance of Beta-Band Oscillations in Autism Spectrum Disorders During Motor Response Inhibition Tasks: A MEG Study. <i>Brain Topography</i> , 2020, 33, 355-374.	0.8	4
114	Challenges in research on the neural basis of "chemobrain". <i>Translational Neuroscience</i> , 2014, 5, .	0.7	3
115	Pre-encoding gamma-band activity during auditory working memory. <i>Scientific Reports</i> , 2017, 7, 42599.	1.6	3
116	Automatized smoking-related action schemata are reflected by reduced fMRI activity in sensorimotor brain regions of smokers. <i>NeuroImage: Clinical</i> , 2017, 15, 753-760.	1.4	3
117	Multisensory Functional Magnetic Resonance Imaging. , 2010, , 83-92.		3
118	Cancer, Chemotherapy and Cognitive Dysfunction. <i>US Neurology</i> , 2016, 12, 43.	0.2	3
119	Electroencephalographic Coherence and Learning: Distinct Patterns of Change During Word Learning and Figure Learning Tasks. <i>Mind, Brain, and Education</i> , 2010, 4, 208-218.	0.9	2
120	Neural correlates of auditory working memory. <i>Brain Research</i> , 2016, 1640, 181-182.	1.1	2
121	Cortical Oscillations and Multisensory Interactions in Humans. , 2010, , 71-82.		2
122	Pioneer in EEG/MEG research: A tribute to Werner Lutzenberger. <i>Journal of Neuroscience Methods</i> , 2009, 183, 5-8.	1.3	1
123	The influence of gender incongruence on the McGurk-percept: A combined behavioural and fMRI study. <i>Multisensory Research</i> , 2013, 26, 184-185.	0.6	1
124	Brustkrebs als Auslöser von psychosozialen Belastungen, Angst und Depression sowie Angebote, Methoden und Effekte psychoonkologischer Interventionen. , 2013, , 389-398.		1
125	Attention fluctuates rhythmically between objects in working memory. <i>Journal of Vision</i> , 2018, 18, 186.	0.1	1
126	Cortical gamma-band activity during auditory processing: evidence from human magnetoencephalography studies. , 0, , 363-384.		0

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127	Emotional valence modulates object-related audiovisual processing in the human brain. Multisensory Research, 2013, 26, 218.	0.6	0
128	Serial dependence in visual working memory: cognitive and neuronal mechanisms. Journal of Vision, 2021, 21, 2557.	0.1	0
129	Kommentare zu C.S. Herrmann. Zeitschrift für Neuropsychologie = Journal of Neuropsychology, 2005, 16, 167-169.	0.2	0
130	Inter-item distortions in visual working memory. Journal of Vision, 2016, 16, 1052.	0.1	0
131	Sequential whole-report reveals different states in visual working memory. Journal of Vision, 2017, 17, 101.	0.1	0
132	Contextual information of a memory episode influences serial dependence. Journal of Vision, 2018, 18, 677.	0.1	0
133	Context information supports serial dependence of multiple visual objects. Journal of Vision, 2020, 20, 705.	0.1	0
134	Visual Search in Naturalistic Scenes Reveals Impaired Cognitive Processing Speed in Multiple Sclerosis. Frontiers in Neurology, 2022, 13, 838178.	1.1	0