

# 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	The neural computation of human prosocial choices in complex motivational states. <i>NeuroImage</i> , 2022, 247, 118827.	2.1	8
2	Visual Search in Naturalistic Scenes Reveals Impaired Cognitive Processing Speed in Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2022, 13, 838178.	1.1	0
3	Decoding Spatial Versus Non-spatial Processing in Auditory Working Memory. <i>Frontiers in Neuroscience</i> , 2021, 15, 637877.	1.4	5
4	Decoding Concurrent Representations of Pitch and Location in Auditory Working Memory. <i>Journal of Neuroscience</i> , 2021, 41, 4658-4666.	1.7	11
5	Predictive Coding Over the Lifespan: Increased Reliance on Perceptual Priors in Older Adultsâ€™ A Magnetoencephalography and Dynamic Causal Modeling Study. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 631599.	1.7	15
6	Serial dependence in visual working memory: cognitive and neuronal mechanisms. <i>Journal of Vision</i> , 2021, 21, 2557.	0.1	0
7	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
8	Visual objects interact differently during encoding and memory maintenance. <i>Attention, Perception, and Psychophysics</i> , 2020, 82, 1241-1257.	0.7	6
9	Improving audio-visual temporal perception through training enhances beta-band activity. <i>NeuroImage</i> , 2020, 206, 116312.	2.1	24
10	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
11	Context information supports serial dependence of multiple visual objects across memory episodes. <i>Nature Communications</i> , 2020, 11, 1932.	5.8	56
12	Context information supports serial dependence of multiple visual objects. <i>Journal of Vision</i> , 2020, 20, 705.	0.1	0
13	Cognitive effects of rhythmic auditory stimulation in Parkinsonâ€™s disease: A P300 study. <i>Brain Research</i> , 2019, 1716, 70-79.	1.1	14
14	Differential trajectories of memory quality and guessing across sequential reports from working memory. <i>Journal of Vision</i> , 2019, 19, 3.	0.1	8
15	Cognitive Performance and Psychological Distress in Breast Cancer Patients at Disease Onset. <i>Frontiers in Psychology</i> , 2019, 10, 2584.	1.1	20
16	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
17	Two types of serial dependence in visual working memory. <i>British Journal of Psychology</i> , 2019, 110, 256-267.	1.2	42
18	Auditory-motor coupling affects phonetic encoding. <i>Brain Research</i> , 2019, 1716, 39-49.	1.1	7

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19	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
20	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
21	Contextual information of a memory episode influences serial dependence. <i>Journal of Vision</i> , 2018, 18, 677.	0.1	0
22	Attention fluctuates rhythmically between objects in working memory. <i>Journal of Vision</i> , 2018, 18, 186.	0.1	1
23	Pre-encoding gamma-band activity during auditory working memory. <i>Scientific Reports</i> , 2017, 7, 42599.	1.6	3
24	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
25	The Influence of Endogenous and Exogenous Spatial Attention on Decision Confidence. <i>Scientific Reports</i> , 2017, 7, 6431.	1.6	16
26	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
27	Sequential whole-report reveals different states in visual working memory. <i>Journal of Vision</i> , 2017, 17, 101.	0.1	0
28	The Effects of Acute Physical Exercise on Memory, Peripheral BDNF, and Cortisol in Young Adults. <i>Neural Plasticity</i> , 2016, 2016, 1-12.	1.0	116
29	Neural correlates of auditory working memory. <i>Brain Research</i> , 2016, 1640, 181-182.	1.1	2
30	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
31	Actively but not passively synchronized motor activity amplifies predictive timing. <i>NeuroImage</i> , 2016, 139, 211-217.	2.1	12
32	Recurrence of task set-related MEG signal patterns during auditory working memory. <i>Brain Research</i> , 2016, 1640, 232-242.	1.1	8
33	Brain Mapping-Based Model of $\delta^9$ -Tetrahydrocannabinol Effects on Connectivity in the Pain Matrix. <i>Neuropsychopharmacology</i> , 2016, 41, 1659-1669.	2.8	29
34	Cancer, Chemotherapy and Cognitive Dysfunction. <i>US Neurology</i> , 2016, 12, 43.	0.2	3
35	Inter-item distortions in visual working memory. <i>Journal of Vision</i> , 2016, 16, 1052.	0.1	0
36	Expanded Temporal Binding Windows in People with Mild Cognitive Impairment. <i>Current Alzheimer Research</i> , 2015, 12, 61-68.	0.7	55

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37	Dynamics of auditory working memory. <i>Frontiers in Psychology</i> , 2015, 6, 613.	1.1	28
38	Enhanced visuo-haptic integration for the non-dominant hand. <i>Brain Research</i> , 2015, 1614, 75-85.	1.1	10
39	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
40	Chemotherapy, cognitive impairment and hippocampal toxicity. <i>Neuroscience</i> , 2015, 309, 224-232.	1.1	120
41	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
42	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
43	fMRI characterization of visual working memory recognition. <i>NeuroImage</i> , 2014, 90, 413-422.	2.1	23
44	Neural correlates of chemotherapy-related cognitive impairment. <i>Cortex</i> , 2014, 54, 33-50.	1.1	104
45	Factors modulating neural reactivity to drug cues in addiction: A survey of human neuroimaging studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2014, 38, 1-16.	2.9	438
46	Attentional Modulation of the Inner Ear: A Combined Otoacoustic Emission and EEG Study. <i>Journal of Neuroscience</i> , 2014, 34, 9995-10002.	1.7	72
47	Challenges in research on the neural basis of "chemobrain". <i>Translational Neuroscience</i> , 2014, 5, .	0.7	3
48	Treadmill walking during vocabulary encoding improves verbal long-term memory. <i>Behavioral and Brain Functions</i> , 2014, 10, 24.	1.4	48
49	Sensory modality of smoking cues modulates neural cue reactivity. <i>Psychopharmacology</i> , 2013, 225, 461-471.	1.5	28
50	Auditory-motor synchronization facilitates attention allocation. <i>NeuroImage</i> , 2013, 82, 101-106.	2.1	30
51	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
52	Emotional valence modulates object-related audiovisual processing in the human brain. <i>Multisensory Research</i> , 2013, 26, 218.	0.6	0
53	Physical Exercise during Encoding Improves Vocabulary Learning in Young Female Adults: A Neuroendocrinological Study. <i>PLoS ONE</i> , 2013, 8, e64172.	1.1	48
54	Brustkrebs als Auslöser von psychosozialen Belastungen, Angst und Depression sowie Angebote, Methoden und Effekte psychoonkologischer Interventionen. , 2013, , 389-398.		1

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55	Separable Neural Bases for Subprocesses of Recognition in Working Memory. <i>Cerebral Cortex</i> , 2012, 22, 1950-1958.	1.6	19
56	Kinetics of serum brain-derived neurotrophic factor following low-intensity versus high-intensity exercise in men and women. <i>NeuroReport</i> , 2012, 23, 889-893.	0.6	76
57	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
58	Smoking experience modulates the cortical integration of vision and haptics. <i>NeuroImage</i> , 2012, 59, 547-555.	2.1	12
59	Electrophysiological entropy in younger adults, older controls and older cognitively declined adults. <i>Brain Research</i> , 2012, 1445, 1-10.	1.1	24
60	Functional neuroimaging studies in addiction: Multisensory drug stimuli and neural cue reactivity. <i>Neuroscience and Biobehavioral Reviews</i> , 2012, 36, 825-835.	2.9	106
61	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
62	P3b Reflects Periodicity in Linguistic Sequences. <i>PLoS ONE</i> , 2012, 7, e51419.	1.1	13
63	Human gamma-band activity and behavior. <i>International Journal of Psychophysiology</i> , 2011, 79, 39-48.	0.5	64
64	EEG gamma-band responses reflect human behavior: An overview. <i>International Journal of Psychophysiology</i> , 2011, 79, 1-2.	0.5	7
65	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
66	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
67	Transfer entropy in magnetoencephalographic data: Quantifying information flow in cortical and cerebellar networks. <i>Progress in Biophysics and Molecular Biology</i> , 2011, 105, 80-97.	1.4	166
68	Auditory repetition enhancement at short interstimulus intervals for frequency-modulated tones. <i>Brain Research</i> , 2011, 1411, 65-75.	1.1	14
69	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
70	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
71	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
72	Processing of spectral and amplitude envelope of animal vocalizations in the human auditory cortex. <i>Neuropsychologia</i> , 2010, 48, 2824-2832.	0.7	15

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73	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
74	Visuohaptic convergence in a corticocerebellar network. <i>European Journal of Neuroscience</i> , 2010, 31, 1730-1736.	1.2	23
75	Repetition Enhancement for Frequency-Modulated but Not Unmodulated Sounds: A Human MEG Study. <i>PLoS ONE</i> , 2010, 5, e15548.	1.1	13
76	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
77	Sensory and motor aspects of addiction. <i>Behavioural Brain Research</i> , 2010, 207, 215-222.	1.2	87
78	Basic operations in working memory: Contributions from functional imaging studies. <i>Behavioural Brain Research</i> , 2010, 214, 172-179.	1.2	105
79	Multisensory Functional Magnetic Resonance Imaging. , 2010, , 83-92.		3
80	Cortical Oscillations and Multisensory Interactions in Humans. , 2010, , 71-82.		2
81	Processing of Auditory Location Changes after Horizontal Head Rotation. <i>Journal of Neuroscience</i> , 2009, 29, 13074-13078.	1.7	21
82	Cortical Plasticity of Audio-Visual Object Representations. <i>Cerebral Cortex</i> , 2009, 19, 1641-1653.	1.6	66
83	Brain Regions Related to Tool Use and Action Knowledge Reflect Nicotine Dependence. <i>Journal of Neuroscience</i> , 2009, 29, 4922-4929.	1.7	84
84	Pioneer in EEG/MEG research: A tribute to Werner Lutzenberger. <i>Journal of Neuroscience Methods</i> , 2009, 183, 5-8.	1.3	1
85	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
86	Temporal dynamics of stimulus-specific gamma-band activity components during auditory short-term memory. <i>NeuroImage</i> , 2009, 44, 257-264.	2.1	27
87	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
88	Orientation-specific adaptation to mentally generated lines in human visual cortex. <i>NeuroImage</i> , 2009, 47, 384-391.	2.1	20
89	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
90	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

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91	Probing category selectivity for environmental sounds in the human auditory brain. <i>Neuropsychologia</i> , 2008, 46, 2776-2786.	0.7	55
92	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
93	A brain-computer interface tool to assess cognitive functions in completely paralyzed patients with amyotrophic lateral sclerosis. <i>Clinical Neurophysiology</i> , 2008, 119, 2214-2223.	0.7	68
94	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
95	Effects of feature-selective attention on auditory pattern and location processing. <i>NeuroImage</i> , 2008, 41, 69-79.	2.1	52
96	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
97	Object Familiarity and Semantic Congruency Modulate Responses in Cortical Audiovisual Integration Areas. <i>Journal of Neuroscience</i> , 2007, 27, 7881-7887.	1.7	190
98	Dynamics of Oscillatory Activity during Auditory Decision Making. <i>Cerebral Cortex</i> , 2007, 17, 2258-2267.	1.6	34
99	Selectivity for Animal Vocalizations in the Human Auditory Cortex. <i>Cerebral Cortex</i> , 2007, 17, 2601-2608.	1.6	55
100	Alpha synchronization during auditory spatial short-term memory. <i>NeuroReport</i> , 2007, 18, 1129-1132.	0.6	26
101	Human gamma-frequency oscillations associated with attention and memory. <i>Trends in Neurosciences</i> , 2007, 30, 317-324.	4.2	992
102	Processing of location and pattern changes of natural sounds in the human auditory cortex. <i>NeuroImage</i> , 2007, 35, 1192-1200.	2.1	85
103	Prefrontal gamma-band activity distinguishes between sound durations. <i>Brain Research</i> , 2007, 1139, 153-162.	1.1	17
104	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
105	Gamma-band activity over early sensory areas predicts detection of changes in audiovisual speech stimuli. <i>NeuroImage</i> , 2006, 30, 1376-1382.	2.1	61
106	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
107	Effects of memory load on cortical oscillatory activity during auditory pattern working memory. <i>Brain Research</i> , 2006, 1120, 131-140.	1.1	103
108	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

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109	Human gamma-band activity: A window to cognitive processing. <i>NeuroReport</i> , 2005, 16, 207-211.	0.6	190
110	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
111	Cortical oscillatory activity during spatial echoic memory. <i>European Journal of Neuroscience</i> , 2005, 21, 587-590.	1.2	14
112	Cortical Oscillatory Activity and the Dynamics of Auditory Memory Processing. <i>Reviews in the Neurosciences</i> , 2005, 16, 239-54.	1.4	48
113	Hearing Lips: Gamma-band Activity During Audiovisual Speech Perception. <i>Cerebral Cortex</i> , 2005, 15, 646-653.	1.6	83
114	Kommentare zu C.S. Herrmann. <i>Zeitschrift für Neuropsychologie = Journal of Neuropsychology</i> , 2005, 16, 167-169.	0.2	0
115	Magnetoencephalographic gamma-band responses to illusory triangles in humans. <i>NeuroImage</i> , 2004, 23, 551-560.	2.1	73
116	Frontal gamma-band activity in magnetoencephalogram during auditory oddball processing. <i>NeuroReport</i> , 2004, 15, 2185-2188.	0.6	18
117	Neurofeedback treatment for attention-deficit/hyperactivity disorder in children: a comparison with methylphenidate. <i>Applied Psychophysiology Biofeedback</i> , 2003, 28, 1-12.	1.0	343
118	Electrocortical and behavioral effects of chronic immobility on word processing. <i>Cognitive Brain Research</i> , 2003, 17, 188-199.	3.3	14
119	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
120	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
121	Dynamics of gamma-band activity in human magnetoencephalogram during auditory pattern working memory. <i>NeuroImage</i> , 2003, 20, 816-827.	2.1	140
122	Memory-related EEG power and coherence reductions in mild Alzheimer's disease. <i>International Journal of Psychophysiology</i> , 2003, 49, 147-163.	0.5	146
123	Induced Gamma-Band Activity and Human Brain Function. <i>Neuroscientist</i> , 2003, 9, 475-484.	2.6	167
124	A Non-Invasive Communication Device for the Paralyzed. <i>Minimally Invasive Neurosurgery</i> , 2002, 45, 19-23.	0.9	28
125	Dynamics of Gamma-band Activity Induced by Auditory Pattern Changes in Humans. <i>Cerebral Cortex</i> , 2002, 12, 212-221.	1.6	68
126	Dynamics of Gamma-Band Activity during an Audiospatial Working Memory Task in Humans. <i>Journal of Neuroscience</i> , 2002, 22, 5630-5638.	1.7	186



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127	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
128	Event-related beta desynchronization indicates timing of response selection in a delayed-response paradigm in humans. <i>Neuroscience Letters</i> , 2001, 312, 149-152.	1.0	87
129	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
130	Parietal gamma-band activity during auditory spatial precueing of motor responses. <i>NeuroReport</i> , 2001, 12, 3479-3482.	0.6	16
131	Simultaneous bilateral mismatch response to right- but not leftward sound lateralization. <i>NeuroReport</i> , 2000, 11, 2889-2892.	0.6	29
132	Right-Hemisphere Dominance for the Processing of Sound-Source Lateralization. <i>Journal of Neuroscience</i> , 2000, 20, 6631-6639.	1.7	172
133	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
134	Cortical gamma-band activity during auditory processing: evidence from human magnetoencephalography studies. , 0 , 363-384.		0