

Mika Koivisto

List of Publications by Year in descending order

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114
papers

4,612
citations

87888

38
h-index

118850

62
g-index

115
all docs

115
docs citations

115
times ranked

2898
citing authors

#	ARTICLE	IF	CITATIONS
1	Event-related brain potential correlates of visual awareness. <i>Neuroscience and Biobehavioral Reviews</i> , 2010, 34, 922-934.	6.1	237
2	The effects of memory load on event-related EEG desynchronization and synchronization. <i>Clinical Neurophysiology</i> , 2000, 111, 2071-2078.	1.5	217
3	Effects of 902 MHz electromagnetic field emitted by cellular telephones on response times in humans. <i>NeuroReport</i> , 2000, 11, 413-415.	1.2	172
4	The effects of electromagnetic field emitted by GSM phones on working memory. <i>NeuroReport</i> , 2000, 11, 1641-1643.	1.2	165
5	Effects of electromagnetic field emitted by cellular phones on the EEG during a memory task. <i>NeuroReport</i> , 2000, 11, 761-764.	1.2	165
6	An ERP study of change detection, change blindness, and visual awareness. <i>Psychophysiology</i> , 2003, 40, 423-429.	2.4	165
7	Tracking the processes behind conscious perception: A review of event-related potential correlates of visual consciousness. <i>Consciousness and Cognition</i> , 2011, 20, 972-983.	1.5	148
8	Time course of semantic activation in the cerebral hemispheres. <i>Neuropsychologia</i> , 1997, 35, 497-504.	1.6	112
9	Effect of a 902 MHz electromagnetic field emitted by mobile phones on human cognitive function: A replication study. <i>Bioelectromagnetics</i> , 2003, 24, 283-288.	1.6	107
10	Independence of Visual Awareness from the Scope of Attention: an Electrophysiological Study. <i>Cerebral Cortex</i> , 2006, 16, 415-424.	2.9	105
11	Effects of electromagnetic field emitted by cellular phones on the EEG during an auditory memory task: A double blind replication study. <i>Bioelectromagnetics</i> , 2004, 25, 33-40.	1.6	97
12	How Meaning Shapes Seeing. <i>Psychological Science</i> , 2007, 18, 845-849.	3.3	96
13	Recurrent Processing in V1/V2 Contributes to Categorization of Natural Scenes. <i>Journal of Neuroscience</i> , 2011, 31, 2488-2492.	3.6	92
14	The role of attention in subitizing. <i>Cognition</i> , 2008, 107, 82-104.	2.2	90
15	The relationship between awareness and attention: Evidence from ERP responses. <i>Neuropsychologia</i> , 2009, 47, 2891-2899.	1.6	90
16	ERP and MEG correlates of visual consciousness: The second decade. <i>Consciousness and Cognition</i> , 2020, 80, 102917.	1.5	88
17	The role of early visual cortex (V1/V2) in conscious and unconscious visual perception. <i>NeuroImage</i> , 2010, 51, 828-834.	4.2	83
18	GSM phone signal does not produce subjective symptoms. <i>Bioelectromagnetics</i> , 2001, 22, 212-215.	1.6	77

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19	The chronometry of visual perception: Review of occipital TMS masking studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2014, 45, 295-304.	6.1	76
20	Processing of natural scenery is associated with lower attentional and cognitive load compared with urban ones. <i>Journal of Environmental Psychology</i> , 2019, 62, 1-11.	5.1	76
21	The earliest electrophysiological correlate of visual awareness?. <i>Brain and Cognition</i> , 2008, 66, 91-103.	1.8	74
22	Independence of visual awareness from attention at early processing stages. <i>NeuroReport</i> , 2005, 16, 817-821.	1.2	69
23	Neural processing around 200 ms after stimulus-onset correlates with subjective visual awareness. <i>Neuropsychologia</i> , 2016, 84, 235-243.	1.6	68
24	Categorical priming in the cerebral hemispheres: automatic in the left hemisphere, postlexical in the right hemisphere?. <i>Neuropsychologia</i> , 1998, 36, 661-668.	1.6	67
25	Affective processing requires awareness.. <i>Journal of Experimental Psychology: General</i> , 2015, 144, 339-365.	2.1	64
26	The effects of eye movements, spatial attention, and stimulus features on inattention blindness. <i>Vision Research</i> , 2004, 44, 3211-3221.	1.4	62
27	Perceptual priming in Alzheimer's and Parkinson's diseases. <i>Neuropsychologia</i> , 1996, 34, 449-457.	1.6	53
28	Subjective visual awareness emerges prior to P3. <i>European Journal of Neuroscience</i> , 2016, 43, 1601-1611.	2.6	53
29	Electrophysiological correlates of visual consciousness and selective attention. <i>NeuroReport</i> , 2007, 18, 753-756.	1.2	51
30	The role of selective attention in visual awareness of stimulus features: Electrophysiological studies. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2008, 8, 195-210.	2.0	50
31	The Effect of Age on Attentional Modulation in Dichotic Listening. <i>Developmental Neuropsychology</i> , 2009, 34, 225-239.	1.4	49
32	The role of unattended distractors in sustained inattention blindness. <i>Psychological Research</i> , 2007, 72, 39-48.	1.7	44
33	Is selective primary visual cortex stimulation achievable with TMS?. <i>Human Brain Mapping</i> , 2012, 33, 652-665.	3.6	44
34	Early processing in primary visual cortex is necessary for conscious and unconscious vision while late processing is necessary only for conscious vision in neurologically healthy humans. <i>NeuroImage</i> , 2017, 150, 230-238.	4.2	44
35	Different Electrophysiological Correlates of Visual Awareness for Detection and Identification. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 1621-1631.	2.3	44
36	Automatic Influences of Memory in Alzheimer's Disease. <i>Cortex</i> , 1998, 34, 209-219.	2.4	42

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37	Comparison of event-related potentials in attentional blink and repetition blindness. <i>Brain Research</i> , 2008, 1189, 115-126.	2.2	40
38	Hemispheric Asymmetries in Activation and Integration of Categorical Information. <i>Laterality</i> , 2000, 5, 1-21.	1.0	38
39	Cognitive representations underlying the N400 priming effect. <i>Cognitive Brain Research</i> , 2001, 12, 487-490.	3.0	38
40	Mobile phone effects on children's event-related oscillatory EEG during an auditory memory task. <i>International Journal of Radiation Biology</i> , 2006, 82, 443-450.	1.8	38
41	Visual feature binding: The critical time windows of V1/V2 and parietal activity. <i>NeuroImage</i> , 2012, 59, 1608-1614.	4.2	38
42	Transcranial magnetic stimulation of early visual cortex interferes with subjective visual awareness and objective forced-choice performance. <i>Consciousness and Cognition</i> , 2011, 20, 288-298.	1.5	35
43	Two means of suppressing visual awareness: A direct comparison of visual masking and transcranial magnetic stimulation. <i>Cortex</i> , 2012, 48, 333-343.	2.4	33
44	Who is afraid of the invisible snake? Subjective visual awareness modulates posterior brain activity for evolutionarily threatening stimuli. <i>Biological Psychology</i> , 2016, 121, 53-61.	2.2	33
45	Reversal negativity and bistable stimuli: Attention, awareness, or something else?. <i>Brain and Cognition</i> , 2010, 74, 24-34.	1.8	31
46	Lexical access to inflected words as measured by lateralized visual lexical decision. <i>Psychological Research</i> , 1998, 61, 220-229.	1.7	30
47	Relationship between visual binding, reentry and awareness. <i>Consciousness and Cognition</i> , 2011, 20, 1293-1303.	1.5	30
48	V1 activity during feedforward and early feedback processing is necessary for both conscious and unconscious motion perception. <i>NeuroImage</i> , 2019, 185, 313-321.	4.2	30
49	Neuronavigated transcranial magnetic stimulation suggests that area V2 is necessary for visual awareness. <i>Neuropsychologia</i> , 2012, 50, 1621-1627.	1.6	27
50	Behavioral and electrophysiological evidence for fast emergence of visual consciousness. <i>Neuroscience of Consciousness</i> , 2015, 2015, niv004.	2.6	27
51	The linear impact of concurrent working memory load on dynamics of Necker cube perceptual reversals. <i>Journal of Vision</i> , 2014, 14, 13-13.	0.3	26
52	Interhemispheric interaction in semantic categorization of pictures. <i>Cognitive Brain Research</i> , 2000, 9, 45-51.	3.0	25
53	Assessment of sexual interest using a choice reaction time task and priming: A feasibility study. <i>Legal and Criminological Psychology</i> , 2009, 14, 65-82.	2.0	25
54	Unconscious response priming by shape depends on geniculostriate visual projection. <i>European Journal of Neuroscience</i> , 2012, 35, 623-633.	2.6	25

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55	Strategies of Semantic Categorization in the Cerebral Hemispheres. <i>Brain and Language</i> , 1999, 66, 341-357.	1.6	24
56	Unconscious and Conscious Processing of Color Rely on Activity in Early Visual Cortex: A TMS Study. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 819-829.	2.3	24
57	Conscious and unconscious uses of memory in multiple sclerosis. <i>Journal of the Neurological Sciences</i> , 2002, 198, 79-85.	0.6	23
58	The electrophysiological correlates of stimulus visibility and metacontrast masking. <i>Consciousness and Cognition</i> , 2009, 18, 794-803.	1.5	23
59	Recurrent Processing Enhances Visual Awareness but Is Not Necessary for Fast Categorization of Natural Scenes. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 223-231.	2.3	22
60	Visual features and perceptual context modulate attention towards evolutionarily relevant threatening stimuli: Electrophysiological evidence.. <i>Emotion</i> , 2019, 19, 348-364.	1.8	22
61	Interhemispheric categorization of pictures and words. <i>Brain and Cognition</i> , 2003, 52, 181-191.	1.8	20
62	The effects of perceptual load on semantic processing under inattention. <i>Psychonomic Bulletin and Review</i> , 2009, 16, 864-868.	2.8	20
63	Perceptual reversals of <scp>N</scp>ecker stimuli during intermittent presentation with limited attentional resources. <i>Psychophysiology</i> , 2013, 50, 82-96.	2.4	20
64	The influence of executive functions on spatial biases varies during the lifespan. <i>Developmental Cognitive Neuroscience</i> , 2014, 10, 170-180.	4.0	20
65	Backward Priming and Postlexical Processing in the Right Hemisphere. <i>Laterality</i> , 1998, 3, 21-40.	1.0	19
66	Hemispheric dissociations in controlled lexicalâ€“semantic processing.. <i>Neuropsychology</i> , 1999, 13, 488-497.	1.3	19
67	Neural correlates of visual awareness at stimulus low vs. high-levels of processing. <i>Neuropsychologia</i> , 2018, 121, 144-152.	1.6	19
68	Prechange event-related potentials predict change blindness in various attention conditions. <i>NeuroReport</i> , 2005, 16, 869-873.	1.2	18
69	Visual rightward spatial bias varies as a function of age. <i>Laterality</i> , 2013, 18, 44-67.	1.0	17
70	Event-related potential responses to perceptual reversals are modulated by working memory load. <i>Neuropsychologia</i> , 2014, 56, 428-438.	1.6	17
71	Hemispheric Asymmetries in Activation and Integration of Categorical Information. <i>Laterality</i> , 2000, 5, 1-21.	1.0	16
72	Semantic priming by pictures and words in the cerebral hemispheres. <i>Cognitive Brain Research</i> , 2000, 10, 91-98.	3.0	15

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73	Auditory Rightward Spatial Bias Varies as a Function of Age. <i>Developmental Neuropsychology</i> , 2011, 36, 367-387.	1.4	15
74	The electrophysiology of introspection. <i>Consciousness and Cognition</i> , 2006, 15, 662-672.	1.5	14
75	Unlike in Clinical Blindsight Patients, Unconscious Processing of Chromatic Information Depends on Early Visual Cortex in Healthy Humans. <i>Brain Stimulation</i> , 2014, 7, 415-420.	1.6	14
76	Hemispheric semantic priming in the single word presentation task. <i>Neuropsychologia</i> , 2002, 40, 978-985.	1.6	13
77	A Preconscious Neural Mechanism of Hypnotically Altered Colors: A Double Case Study. <i>PLoS ONE</i> , 2013, 8, e70900.	2.5	13
78	Rapid and accurate processing of multiple objects in briefly presented scenes. <i>Journal of Vision</i> , 2016, 16, 8.	0.3	13
79	Unconscious vision spots the animal but not the dog: Masked priming of natural scenes. <i>Consciousness and Cognition</i> , 2016, 41, 10-23.	1.5	13
80	Lateralized free-association priming: Implications for the hemispheric organization of semantic memory. <i>Neuropsychologia</i> , 1995, 33, 115-124.	1.6	12
81	Form-Specific Priming and Functional Brain Asymmetries in Perceptual Identification. <i>Cortex</i> , 1996, 32, 527-536.	2.4	12
82	Overlapping activity periods in early visual cortex and posterior intraparietal area in conscious visual shape perception: A TMS study. <i>NeuroImage</i> , 2014, 84, 765-774.	4.2	12
83	The Level of Processing Modulates Visual Awareness: Evidence from Behavioral and Electrophysiological Measures. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 1295-1310.	2.3	12
84	Watching Nature Videos Promotes Physiological Restoration: Evidence From the Modulation of Alpha Waves in Electroencephalography. <i>Frontiers in Psychology</i> , 0, 13, .	2.1	12
85	Is reentry critical for visual awareness of object presence?. <i>Vision Research</i> , 2012, 63, 43-49.	1.4	11
86	Seeing Blue As Red: A Hypnotic Suggestion Can Alter Visual Awareness of Colors. <i>International Journal of Clinical and Experimental Hypnosis</i> , 2016, 64, 261-284.	1.8	11
87	Transcranial magnetic stimulation of early visual cortex suppresses conscious representations in a dichotomous manner without gradually decreasing their precision. <i>NeuroImage</i> , 2017, 158, 308-318.	4.2	11
88	The effects of working memory load on visual awareness and its electrophysiological correlates. <i>Neuropsychologia</i> , 2018, 120, 86-96.	1.6	11
89	Posthypnotic Suggestion Alters Conscious Color Perception in an Automatic Manner. <i>International Journal of Clinical and Experimental Hypnosis</i> , 2013, 61, 371-387.	1.8	10
90	Neuronavigated TMS of early visual cortex eliminates unconscious processing of chromatic stimuli. <i>Neuropsychologia</i> , 2020, 136, 107266.	1.6	10

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91	The rightâ€side perceptual bias in aging determined in a laboratory setting and during a virtual driving task. <i>Scandinavian Journal of Psychology</i> , 2018, 59, 32-40.	1.5	9
92	Pattern matters: Snakes exhibiting triangular and diamond-shaped skin patterns modulate electrophysiological activity in human visual cortex. <i>Neuropsychologia</i> , 2019, 131, 62-72.	1.6	9
93	Masked blindsight in normal observers: Measuring subjective and objective responses to two features of each stimulus. <i>Consciousness and Cognition</i> , 2020, 81, 102929.	1.5	9
94	Unconscious response priming during continuous flash suppression. <i>PLoS ONE</i> , 2018, 13, e0192201.	2.5	9
95	Hemispheric dissociations in controlled lexical-semantic processing.. <i>Neuropsychology</i> , 1999, 13, 488-497.	1.3	9
96	Top-Down Processing and Nature Connectedness Predict Psychological and Physiological Effects of Nature. <i>Environment and Behavior</i> , 2022, 54, 917-945.	4.7	9
97	TMS-EEG reveals hemispheric asymmetries in top-down influences of posterior intraparietal cortex on behavior and visual event-related potentials. <i>Neuropsychologia</i> , 2017, 107, 94-101.	1.6	8
98	Object Recognition in the Cerebral Hemispheres as Revealed by Visual Field Experiments. <i>Laterality</i> , 2003, 8, 135-153.	1.0	7
99	Synaesthesia-type associations and perceptual changes induced by hypnotic suggestion. <i>Scientific Reports</i> , 2017, 7, 17310.	3.3	7
100	The role of eye movements in lateralised word recognition. <i>Laterality</i> , 2006, 11, 155-169.	1.0	6
101	Transcranial magnetic stimulation (TMS)-induced Blindsight of Orientation is Degraded Conscious Vision. <i>Neuroscience</i> , 2021, 475, 206-219.	2.3	6
102	What is Right and What is Left in Semantic Processing: A Reply to Chiarello. <i>Laterality</i> , 2000, 5, 29-33.	1.0	5
103	Reply to Bachmann on ERP correlates of visual awareness. <i>Consciousness and Cognition</i> , 2009, 18, 809-810.	1.5	5
104	Subjective ratings of fear are associated with frontal late positive potential asymmetry, but not with early brain activity over the occipital and centroâ€parietal cortices. <i>Psychophysiology</i> , 2020, 57, e13665.	2.4	5
105	Does TMS on V3 block conscious visual perception?. <i>Neuropsychologia</i> , 2019, 128, 223-231.	1.6	4
106	Backward Priming and Postlexical Processing in the Right Hemisphere. <i>Laterality</i> , 1998, 3, 21-40.	1.0	4
107	Affective responses to urban but not to natural scenes depend on inter-individual differences in childhood nature exposure. <i>Journal of Environmental Psychology</i> , 2022, 82, 101840.	5.1	4
108	Electrophysiological evidence for phenomenal consciousness. <i>Cognitive Neuroscience</i> , 2010, 1, 225-227.	1.4	3

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109	NeuroCar virtual driving environment: Simultaneous evaluation of driving skills and spatial perceptual-attentional capacity. , 2016, , .		3
110	Top-down preparation modulates visual categorization but not subjective awareness of objects presented in natural backgrounds. Vision Research, 2017, 133, 73-80.	1.4	2
111	Differential interactions of age and sleep deprivation in driving and spatial perception by male drivers in a virtual reality environment. Scandinavian Journal of Psychology, 2021, 62, 787-797.	1.5	2
112	Open and empathic personalities see two things at the same time: the relationship of big-five personality traits and cognitive empathy with mixed percepts during binocular rivalry. Current Psychology, 2023, 42, 9552-9562.	2.8	2
113	Modality-specific and modality-general electrophysiological correlates of visual and auditory awareness: Evidence from a bimodal ERP experiment. Neuropsychologia, 2022, 166, 108154.	1.6	2
114	TMS-Induced Seizure Following Focal Single-Pulse IPS Stimulation. Brain Stimulation, 2015, 8, 1238.	1.6	1