

Piia Astikainen

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

2,130
citations

304743

22
h-index

243625

44
g-index

64
all docs

64
docs citations

64
times ranked

1995
citing authors

#	ARTICLE	IF	CITATIONS
1	Tensor decomposition of EEG signals: A brief review. <i>Journal of Neuroscience Methods</i> , 2015, 248, 59-69.	2.5	356
2	Cortical and subcortical visual event-related potentials to oddball stimuli in rabbits. <i>NeuroReport</i> , 2000, 11, 1515-1517.	1.2	152
3	Automatic auditory intelligence: An expression of the sensoryâ€œcognitive core of cognitive processes. <i>Brain Research Reviews</i> , 2010, 64, 123-136.	9.0	135
4	Visual mismatch negativity for changes in orientation â€œ a sensory memoryâ€œdependent response. <i>European Journal of Neuroscience</i> , 2008, 28, 2319-2324.	2.6	112
5	Visual mismatch negativity (vMMN): A review and meta-analysis of studies in psychiatric and neurological disorders. <i>Cortex</i> , 2016, 80, 76-112.	2.4	107
6	Event-related potentials to task-irrelevant changes in facial expressions. <i>Behavioral and Brain Functions</i> , 2009, 5, 30.	3.3	105
7	Visuospatial attention shifts by gaze and arrow cues: An ERP study. <i>Brain Research</i> , 2008, 1215, 123-136.	2.2	90
8	N170 response to facial expressions is modulated by the affective congruency between the emotional expression and preceding affective picture. <i>Biological Psychology</i> , 2013, 92, 114-124.	2.2	85
9	MULTI-DOMAIN FEATURE EXTRACTION FOR SMALL EVENT-RELATED POTENTIALS THROUGH NONNEGATIVE MULTI-WAY ARRAY DECOMPOSITION FROM LOW DENSE ARRAY EEG. <i>International Journal of Neural Systems</i> , 2013, 23, 1350006.	5.2	64
10	Memory-Based Mismatch Response to Frequency Changes in Rats. <i>PLoS ONE</i> , 2011, 6, e24208.	2.5	58
11	Event-related potentials to unattended changes in facial expressions: detection of regularity violations or encoding of emotions?. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 557.	2.0	49
12	Memory-based detection of rare sound feature combinations in anesthetized rats. <i>NeuroReport</i> , 2006, 17, 1561-1564.	1.2	47
13	The human brain processes visual changes that are not cued by attended auditory stimulation. <i>Neuroscience Letters</i> , 2004, 368, 231-234.	2.1	46
14	Neural generators of the frequency-following response elicited to stimuli of low and high frequency: A magnetoencephalographic (MEG) study. <i>NeuroImage</i> , 2021, 231, 117866.	4.2	43
15	Visual mismatch negativity (vMMN): a prediction error signal in the visual modality. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 1074.	2.0	42
16	Automatic Processing of Changes in Facial Emotions in Dysphoria: A Magnetoencephalography Study. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 186.	2.0	41
17	Auditory Cortical and Hippocampal-System Mismatch Responses to Duration Deviants in Urethane-Anesthetized Rats. <i>PLoS ONE</i> , 2013, 8, e54624.	2.5	32
18	Mismatch brain response to speech sound changes in rats. <i>Frontiers in Psychology</i> , 2011, 2, 283.	2.1	31

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19	Brain responses to sound intensity changes dissociate depressed participants and healthy controls. <i>Biological Psychology</i> , 2017, 127, 74-81.	2.2	30
20	Dimension reduction: Additional benefit of an optimal filter for independent component analysis to extract event-related potentials. <i>Journal of Neuroscience Methods</i> , 2011, 201, 269-280.	2.5	28
21	A brief Acceptance and Commitment Therapy intervention for depression: A randomized controlled trial with 3-year follow-up for the intervention group. <i>Journal of Contextual Behavioral Science</i> , 2018, 10, 55-63.	2.6	27
22	Electrophysiological evidence of memory-based detection of auditory regularity violations in anesthetized mice. <i>Scientific Reports</i> , 2018, 8, 3027.	3.3	26
23	Processing of melodic contours in urethane-anesthetized rats. <i>European Journal of Neuroscience</i> , 2007, 26, 701-703.	2.6	24
24	LOW-RANK APPROXIMATION BASED NON-NEGATIVE MULTI-WAY ARRAY DECOMPOSITION ON EVENT-RELATED POTENTIALS. <i>International Journal of Neural Systems</i> , 2014, 24, 1440005.	5.2	23
25	The impact of visual working memory capacity on the filtering efficiency of emotional face distractors. <i>Biological Psychology</i> , 2018, 138, 63-72.	2.2	23
26	Implicit Binding of Facial Features During Change Blindness. <i>PLoS ONE</i> , 2014, 9, e87682.	2.5	22
27	Discovering dynamic task-modulated functional networks with specific spectral modes using MEG. <i>NeuroImage</i> , 2020, 218, 116924.	4.2	22
28	Somatosensory mismatch response in young and elderly adults. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 293.	3.4	21
29	Hippocampus responds to auditory change in rabbits. <i>Neuroscience</i> , 2010, 170, 232-237.	2.3	19
30	Event-related potentials to task-irrelevant sad faces as a state marker of depression. <i>Biological Psychology</i> , 2020, 149, 107806.	2.2	19
31	Automatic auditory and somatosensory brain responses in relation to cognitive abilities and physical fitness in older adults. <i>Scientific Reports</i> , 2017, 7, 13699.	3.3	18
32	Somatosensory event-related potentials in the rabbit cerebral and cerebellar cortices: a correspondence with mismatch responses in humans. <i>Neuroscience Letters</i> , 2001, 298, 222-224.	2.1	17
33	Look at them and they will notice you: Distractor-independent attentional capture by direct gaze in change blindness. <i>Visual Cognition</i> , 2018, 26, 25-36.	1.6	17
34	Anger superiority effect for change detection and change blindness. <i>Consciousness and Cognition</i> , 2014, 30, 1-12.	1.5	16
35	Auditory cortical and hippocampal local-field potentials to frequency deviant tones in urethane-anesthetized rats: An unexpected role of the sound frequencies themselves. <i>International Journal of Psychophysiology</i> , 2015, 96, 134-140.	1.0	15
36	Event-Related Potentials to Changes in Sound Intensity Demonstrate Alterations in Brain Function Related to Depression and Aging. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 98.	2.0	14

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37	Proactive interference in a two-tone pitch-comparison task without additional interfering tones. Psychological Research, 2007, 72, 74-78.	1.7	12
38	Mismatch negativity of higher amplitude for melodic ascendance than descendance. NeuroReport, 2012, 23, 220-223.	1.2	11
39	Auditory event-related potentials in separating patients with depressive disorders and non-depressed controls: A narrative review. International Journal of Psychophysiology, 2022, 179, 119-142.	1.0	11
40	Explicit behavioral detection of visual changes develops without their implicit neurophysiological detectability. Frontiers in Human Neuroscience, 2012, 6, 48.	2.0	10
41	Electrophysiological evidence for change detection in speech sound patterns by anesthetized rats. Frontiers in Neuroscience, 2014, 8, 374.	2.8	10
42	Individual differences in working memory capacity are unrelated to the magnitudes of retrocue benefits. Scientific Reports, 2021, 11, 7258.	3.3	10
43	Auditory-evoked potentials to changes in sound duration in urethane-anesthetized mice. European Journal of Neuroscience, 2019, 50, 1911-1919.	2.6	10
44	Longer storage of auditory than of visual information in the rabbit brain: evidence from dorsal hippocampal electrophysiology. Experimental Brain Research, 2005, 160, 189-193.	1.5	9
45	Event-related potentials reveal rapid registration of features of infrequent changes during change blindness. Behavioral and Brain Functions, 2010, 6, 12.	3.3	9
46	Rapid categorization of sound objects in anesthetized rats as indexed by the electrophysiological mismatch response. Psychophysiology, 2014, 51, 1195-1199.	2.4	9
47	Passive exposure to speech sounds induces long-term memory representations in the auditory cortex of adult rats. Scientific Reports, 2016, 6, 38904.	3.3	8
48	Multi-domain Feature of Event-Related Potential Extracted by Nonnegative Tensor Factorization: 5 vs. 14 Electrodes EEG Data. Lecture Notes in Computer Science, 2012, , 502-510.	1.3	7
49	Passive exposure to speech sounds modifies change detection brain responses in adults. Neurolmage, 2019, 188, 208-216.	4.2	6
50	Early sudden gains in an acceptance and values-based intervention: Effects on treatment outcome for depression and psychological flexibility. Journal of Contextual Behavioral Science, 2018, 10, 24-30.	2.6	5
51	Brain responses of dysphoric and control participants during a self-esteem implicit association test. Psychophysiology, 2021, 58, e13768.	2.4	5
52	Proactive Interference of Differently Ordered Tone Sequences with the Accuracy and Speed of Two-Tone Frequency Comparisons. Music Perception, 2002, 19, 551-563.	1.1	4
53	Deviance detection in sound frequency in simple and complex sounds in urethane-anesthetized rats. Hearing Research, 2021, 399, 107814.	2.0	4
54	Electrical brain activity and facial electromyography responses to irony in dysphoric and non-dysphoric participants. Brain and Language, 2020, 211, 104861.	1.6	3

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55	Attentional bias towards interpersonal aggression in depression – an eye movement study. Scandinavian Journal of Psychology, 2021, 62, 639-647.	1.5	3
56	Magnetoencephalography Responses to Unpredictable and Predictable Rare Somatosensory Stimuli in Healthy Adult Humans. Frontiers in Human Neuroscience, 2021, 15, 641273.	2.0	2
57	How to validate similarity in linear transform models of event-related potentials between experimental conditions?. Journal of Neuroscience Methods, 2014, 236, 76-85.	2.5	1
58	Preattentive and attentive responses to changes in small numerosities of tones in adult humans. Brain Research, 2016, 1634, 68-74.	2.2	1
59	Long-term stability of early sudden gains in an acceptance and values-based intervention. Journal of Contextual Behavioral Science, 2019, 13, 52-59.	2.6	1
60	Decreased intersubject synchrony in dynamic valence ratings of sad movie contents in dysphoric individuals. Scientific Reports, 2021, 11, 14419.	3.3	1
61	Somatosensory Deviance Detection ERPs and Their Relationship to Analogous Auditory ERPs and Interoceptive Accuracy. Journal of Psychophysiology, 2022, 36, 135-155.	0.7	1
62	Effects of conversation content on viewing dyadic conversations. Journal of Eye Movement Research, 2016, 9, .	0.8	1
63	Individual Differences in Working Memory Capacity Are Unrelated to the Magnitude of Benefits from Object- and Dimension-Based Retro-Cues. Journal of Vision, 2021, 21, 1869.	0.3	0