

Piia Astikainen

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

2,130
citations

304701

22
h-index

243610

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. <i>Psychological Research</i> , 2007, 72, 74-78.	1.7	12
38	Mismatch negativity of higher amplitude for melodic ascendance than descendance. <i>NeuroReport</i> , 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. <i>International Journal of Psychophysiology</i> , 2022, 179, 119-142.	1.0	11
40	Explicit behavioral detection of visual changes develops without their implicit neurophysiological detectability. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 48.	2.0	10
41	Electrophysiological evidence for change detection in speech sound patterns by anesthetized rats. <i>Frontiers in Neuroscience</i> , 2014, 8, 374.	2.8	10
42	Individual differences in working memory capacity are unrelated to the magnitudes of retrocue benefits. <i>Scientific Reports</i> , 2021, 11, 7258.	3.3	10
43	Auditory-evoked potentials to changes in sound duration in urethane-anesthetized mice. <i>European Journal of Neuroscience</i> , 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. <i>Experimental Brain Research</i> , 2005, 160, 189-193.	1.5	9
45	Event-related potentials reveal rapid registration of features of infrequent changes during change blindness. <i>Behavioral and Brain Functions</i> , 2010, 6, 12.	3.3	9
46	Rapid categorization of sound objects in anesthetized rats as indexed by the electrophysiological mismatch response. <i>Psychophysiology</i> , 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. <i>Scientific Reports</i> , 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. <i>Lecture Notes in Computer Science</i> , 2012, , 502-510.	1.3	7
49	Passive exposure to speech sounds modifies change detection brain responses in adults. <i>NeuroImage</i> , 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. <i>Journal of Contextual Behavioral Science</i> , 2018, 10, 24-30.	2.6	5
51	Brain responses of dysphoric and control participants during a self-esteem implicit association test. <i>Psychophysiology</i> , 2021, 58, e13768.	2.4	5
52	Proactive Interference of Differently Ordered Tone Sequences with the Accuracy and Speed of Two-Tone Frequency Comparisons. <i>Music Perception</i> , 2002, 19, 551-563.	1.1	4
53	Deviance detection in sound frequency in simple and complex sounds in urethane-anesthetized rats. <i>Hearing Research</i> , 2021, 399, 107814.	2.0	4
54	Electrical brain activity and facial electromyography responses to irony in dysphoric and non-dysphoric participants. <i>Brain and Language</i> , 2020, 211, 104861.	1.6	3

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