

István Czigler

List of Publications by Year in descending order

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Version: 2024-02-01

117
papers

4,298
citations

101543

36
h-index

118850

62
g-index

127
all docs

127
docs citations

127
times ranked

2348
citing authors

#	ARTICLE	IF	CITATIONS
1	Brain responses reveal the learning of foreign language phonemes. <i>Psychophysiology</i> , 1999, 36, 638-642.	2.4	261
2	Visual mismatch negativity: a predictive coding view. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 666.	2.0	232
3	Memory-based detection of task-irrelevant visual changes. <i>Psychophysiology</i> , 2002, 39, 869-873.	2.4	221
4	Evidence from auditory and visual event-related potential (ERP) studies of deviance detection (MMN) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Journal of Psychophysiology, 2012, 83, 132-143.	1.0	202
5	Pre-attentive detection of vowel contrasts utilizes both phonetic and auditory memory representations. <i>Cognitive Brain Research</i> , 1999, 7, 357-369.	3.0	177
6	Visual Mismatch Negativity. <i>Journal of Psychophysiology</i> , 2007, 21, 224-230.	0.7	157
7	Processing of unattended facial emotions: A visual mismatch negativity study. <i>NeuroImage</i> , 2012, 59, 3042-3049.	4.2	149
8	Visual mismatch negativity and its importance in visual cognitive sciences. <i>NeuroReport</i> , 2011, 22, 669-673.	1.2	135
9	Visual change detection: event-related potentials are dependent on stimulus location in humans. <i>Neuroscience Letters</i> , 2004, 364, 149-153.	2.1	126
10	Preattentive Binding of Auditory and Visual Stimulus Features. <i>Journal of Cognitive Neuroscience</i> , 2005, 17, 320-339.	2.3	122
11	Age and inter-stimulus interval effects on event-related potentials to frequent and infrequent auditory stimuli. <i>Biological Psychology</i> , 1992, 33, 195-206.	2.2	117
12	Simultaneously active pre-attentive representations of local and global rules for sound sequences in the human brain. <i>Cognitive Brain Research</i> , 2001, 12, 131-144.	3.0	115
13	Age-related differences in distraction and reorientation in an auditory task. <i>Neurobiology of Aging</i> , 2009, 30, 1157-1172.	3.1	103
14	Organizing sound sequences in the human brain: the interplay of auditory streaming and temporal integration. <i>Brain Research</i> , 2001, 897, 222-227.	2.2	102
15	Mismatch negativity. <i>NeuroReport</i> , 1998, 9, 3809-3813.	1.2	94
16	Interactions between Transient and Long-Term Auditory Memory as Reflected by the Mismatch Negativity. <i>Journal of Cognitive Neuroscience</i> , 1996, 8, 403-415.	2.3	89
17	Visual Mismatch Negativity Reveals Automatic Detection of Sequential Regularity Violation. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 46.	2.0	84
18	ERPs and deviance detection: Visual mismatch negativity to repeated visual stimuli. <i>Neuroscience Letters</i> , 2006, 401, 178-182.	2.1	82

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19	MMN or no MMN: No magnitude of deviance effect on the MMN amplitude. <i>Psychophysiology</i> , 2008, 45, 60-69.	2.4	74
20	Event-Related Potentials in a Visual Discrimination Task: Negative Waves Related to Detection and Attention. <i>Psychophysiology</i> , 1990, 27, 669-676.	2.4	71
21	Temporal constraints of auditory event synthesis. <i>NeuroReport</i> , 1998, 9, 495-499.	1.2	71
22	Visual Mismatch Negativity and Categorization. <i>Brain Topography</i> , 2014, 27, 590-598.	1.8	59
23	Automatic prediction error responses to hands with unexpected laterality: An electrophysiological study. <i>NeuroImage</i> , 2012, 63, 253-261.	4.2	54
24	Human Visual System Automatically Encodes Sequential Regularities of Discrete Events. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 1124-1139.	2.3	50
25	One plus one is less than two: Visual features elicit non-additive mismatch-related brain activity. <i>Brain Research</i> , 2011, 1398, 64-71.	2.2	50
26	Emotion-Related Visual Mismatch Responses in Schizophrenia: Impairments and Correlations with Emotion Recognition. <i>PLoS ONE</i> , 2013, 8, e75444.	2.5	50
27	Event-Related Potentials and the Identification of Deviant Visual Stimuli. <i>Psychophysiology</i> , 1992, 29, 471-485.	2.4	48
28	Visual temporal window of integration as revealed by the visual mismatch negativity event-related potential to stimulus omissions. <i>Brain Research</i> , 2006, 1104, 129-140.	2.2	44
29	Unnoticed regularity violation elicits change-related brain activity. <i>Biological Psychology</i> , 2009, 80, 339-347.	2.2	44
30	Visual Object Representations Can Be Formed outside the Focus of Voluntary Attention: Evidence from Event-related Brain Potentials. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 1179-1188.	2.3	44
31	Is it a face of a woman or a man? Visual mismatch negativity is sensitive to gender category. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 532.	2.0	44
32	Age-related effects of novel visual stimuli in a letter-matching task: an event-related potential study. <i>Biological Psychology</i> , 2005, 69, 229-242.	2.2	43
33	Visual mismatch negativity (vMMN): a prediction error signal in the visual modality. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 1074.	2.0	42
34	The temporal window of integration in elderly and young adults. <i>Neurobiology of Aging</i> , 2007, 28, 964-975.	3.1	38
35	Electroencephalography effects to semantic and non-semantic mismatch in properties of visually presented single-characters: The N2b and the N400. <i>Neuroscience Letters</i> , 2007, 412, 18-23.	2.1	38
36	Event-related potential study to aversive auditory stimuli. <i>Neuroscience Letters</i> , 2007, 420, 251-256.	2.1	38

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37	Backward masking and visual mismatch negativity: Electrophysiological evidence for memory-based detection of deviant stimuli. <i>Psychophysiology</i> , 2007, 44, 610-619.	2.4	38
38	Visual mismatch negativity is sensitive to symmetry as a perceptual category. <i>European Journal of Neuroscience</i> , 2013, 37, 662-667.	2.6	38
39	Preattentive auditory change detection relies on unitary sensory memory representations. <i>NeuroReport</i> , 1996, 7, 2413-2418.	1.2	37
40	Visual mismatch negativity to irrelevant changes is sensitive to task-relevant changes. <i>Neuropsychologia</i> , 2010, 48, 1277-1282.	1.6	37
41	Selection within fixation: event-related potentials in a visual matching task. <i>International Journal of Psychophysiology</i> , 1988, 6, 39-49.	1.0	35
42	Aging, stimulus identification and the effect of probability: an event-related potential study. <i>Biological Psychology</i> , 1996, 43, 27-40.	2.2	33
43	Brain responses reveal the learning of foreign language phonemes. <i>Psychophysiology</i> , 1999, 36, 638-642.	2.4	31
44	Age and novelty: Event-related potentials to visual stimuli within an auditory oddball visual detection task. <i>International Journal of Psychophysiology</i> , 2006, 62, 290-299.	1.0	28
45	Age and novelty: Event-related brain potentials and autonomic activity. <i>Psychophysiology</i> , 2006, 43, 261-271.	2.4	26
46	Impact of lower- vs. upper-hemifield presentation on automatic colour-deviance detection: A visual mismatch negativity study. <i>Brain Research</i> , 2012, 1472, 89-98.	2.2	26
47	Visual mismatch negativity (vMMN) for low- and high-level deviances: A control study. <i>Attention, Perception, and Psychophysics</i> , 2017, 79, 2153-2170.	1.3	23
48	Fearful face recognition in schizophrenia: An electrophysiological study. <i>Schizophrenia Research</i> , 2013, 149, 135-140.	2.0	21
49	Oblique effect in visual mismatch negativity. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 591.	2.0	21
50	Event-related theta synchronization predicts deficit in facial affect recognition in schizophrenia. <i>Journal of Abnormal Psychology</i> , 2014, 123, 178-189.	1.9	19
51	Age-related processing strategies and go/no-go effects in task-switching: an ERP study. <i>Frontiers in Human Neuroscience</i> , 2015, 09, 177.	2.0	17
52	Mismatch negativity and neural adaptation: Two sides of the same coin. Response: Commentary: Visual mismatch negativity: a predictive coding view. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 13.	2.0	17
53	Timing of repetition suppression of event-related potentials to unattended objects. <i>European Journal of Neuroscience</i> , 2020, 52, 4432-4441.	2.6	17
54	Age, color processing and meaningfulness: an event-related potential study. <i>International Journal of Psychophysiology</i> , 1996, 22, 25-34.	1.0	16

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55	Extreme Environment Effects on Cognitive Functions: A Longitudinal Study in High Altitude in Antarctica. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 331.	2.0	16
56	Task-Switching Training and Transfer. <i>Journal of Psychophysiology</i> , 2018, 32, 106-130.	0.7	16
57	Stimulus complexity effects on the event-related potentials to task-irrelevant stimuli. <i>Biological Psychology</i> , 2013, 94, 82-89.	2.2	14
58	Asymmetric effect of automatic deviant detection: The effect of familiarity in visual mismatch negativity. <i>Brain Research</i> , 2015, 1626, 108-117.	2.2	14
59	Event-related potential correlates of color selection and lexical decision: hierarchical processing or late selection?. <i>International Journal of Psychophysiology</i> , 1996, 22, 67-84.	1.0	13
60	Effects of cue information on response production and inhibition measured by event-related potentials. <i>Acta Physiologica Hungarica</i> , 1999, 86, 37-44.	0.9	13
61	Experimental framework for spatial cognition research in immersive virtual space. , 2014, , .		12
62	Visual mismatch negativity and stimulus-specific adaptation: the role of stimulus complexity. <i>Experimental Brain Research</i> , 2019, 237, 1179-1194.	1.5	12
63	Attention to features of separate objects: an ERP study of target-shooters and control participants. <i>International Journal of Psychophysiology</i> , 1998, 31, 77-87.	1.0	11
64	Event-related potentials and audiovisual stimuli: multimodal interactions. <i>NeuroReport</i> , 2001, 12, 223-226.	1.2	11
65	Visual mismatch negativity is sensitive to illusory brightness changes. <i>Brain Research</i> , 2014, 1561, 48-59.	2.2	11
66	Visual mismatch negativity to vanishing parts of objects in younger and older adults. <i>PLoS ONE</i> , 2017, 12, e0188929.	2.5	11
67	Can irrelevant but salient visual cues compensate for the age-related decline in cognitive conflict resolution? An ERP study. <i>PLoS ONE</i> , 2020, 15, e0233496.	2.5	11
68	Mismatch Negativity Does Not Show Evidence of Memory Reactivation in the Visual Modality. <i>Journal of Psychophysiology</i> , 2013, 27, 1-6.	0.7	11
69	Effects of stimulus alternation, repetition and response requirements on event-related potentials to patterned visual stimuli. <i>Biological Psychology</i> , 1994, 37, 115-132.	2.2	10
70	Differential impact of acute hypoxia on event related potentials: impaired task-irrelevant, but preserved task-relevant processing and response inhibition. <i>Physiology and Behavior</i> , 2019, 206, 28-36.	2.1	10
71	Cognitive resilience after prolonged task performance: an ERP investigation. <i>Experimental Brain Research</i> , 2019, 237, 377-388.	1.5	10
72	Comparison between wireless and wired EEG recordings in a virtual reality lab: Case report. , 2014, , .		9

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73	Automatic detection of violations of statistical regularities in the periphery is affected by the focus of spatial attention: A visual mismatch negativity study. <i>European Journal of Neuroscience</i> , 2019, 49, 1348-1356.	2.6	9
74	Automatic change detection and spatial attention: a visual mismatch negativity study. <i>European Journal of Neuroscience</i> , 2020, 52, 4423-4431.	2.6	9
75	Visual Mismatch Negativity: A Mini-Review of Non-pathological Studies With Special Populations and Stimuli. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 781234.	2.0	8
76	Asymmetry of automatic change detection shown by the visual mismatch negativity: An additional feature is identified faster than missing features. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2014, 14, 278-285.	2.0	7
77	Automatic detection of orientation variance. <i>Neuroscience Letters</i> , 2017, 658, 43-47.	2.1	7
78	Event-related potentials to irrelevant deviant motion of visual shapes. <i>International Journal of Psychophysiology</i> , 1991, 11, 155-159.	1.0	6
79	Prediction Beyond the Borders: ERP Indices of Boundary Extension-Related Error. <i>PLoS ONE</i> , 2013, 8, e74245.	2.5	6
80	Automatic change detection in vision: Adaptation, memory mismatch, or both? II: Oddball and adaptation effects on event-related potentials. <i>Attention, Perception, and Psychophysics</i> , 2017, 79, 2396-2411.	1.3	6
81	Age and Information Processing. <i>European Psychologist</i> , 1997, 2, 247-257.	3.1	6
82	Changes in perceived contrast, reaction time, and pattern-specific evoked potentials due to stimulus duration. <i>Perception & Psychophysics</i> , 1980, 28, 458-464.	2.3	5
83	Matching of facial features: Continuous processing, improper filtering, and holistic comparison. <i>Perception & Psychophysics</i> , 1985, 37, 257-265.	2.3	5
84	Object-related Attention: An Event-related Potential Study. <i>Brain and Cognition</i> , 1998, 38, 113-124.	1.8	5
85	Effects of Novelty on Event-Related Potentials: Aging and Stimulus Replacement. <i>Gerontology</i> , 2011, 57, 364-374.	2.8	5
86	Dissociated Components of Executive Control in Acute Hypobaric Hypoxia. <i>Aerospace Medicine and Human Performance</i> , 2017, 88, 1081-1087.	0.4	5
87	Automatic Change Detection in Older and Younger Women: A Visual Mismatch Negativity Study. <i>Gerontology</i> , 2018, 64, 318-325.	2.8	5
88	Automatic detection of peripheral stimuli in shooters and handball players: an event-related potential study. <i>Experimental Brain Research</i> , 2021, 239, 1531-1538.	1.5	5
89	Visual mismatch negativity to disappearing parts of objects and textures. <i>PLoS ONE</i> , 2019, 14, e0209130.	2.5	4
90	Older Adults Automatically Detect Age of Older Adults's™ Photographs: A Visual Mismatch Negativity Study. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 707702.	2.0	4

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91	Does Creativity Influence Visual Perception? - An Event-Related Potential Study With Younger and Older Adults. <i>Frontiers in Psychology</i> , 2021, 12, 742116.	2.1	4
92	Event-related potentials in a lexical stroop task. <i>International Journal of Psychophysiology</i> , 1991, 11, 281-293.	1.0	3
93	Effects of colour and lexical relevance on irrelevant stimuli. <i>NeuroReport</i> , 1996, 7, 672-676.	1.2	3
94	When Elderly Outperform Young Adults's Integration in Vision Revealed by the Visual Mismatch Negativity. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 15.	3.4	3
95	Is the attentional trace theory modality specific?. <i>Behavioral and Brain Sciences</i> , 1990, 13, 238-239.	0.7	2
96	Age Effects on Distraction in a Visual Task Requiring Fast Reactions: An Event-Related Potential Study. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 596047.	3.4	2
97	Ranschburg-effektus: megérteklés. <i>Magyar Pszichológiai Szemle</i> , 2000, 55, 297-304.	0.2	2
98	Event-related potentials and automatic and attentional processes in visual discrimination. <i>International Journal of Psychophysiology</i> , 1991, 11, 19-20.	1.0	1
99	Pre-attentive auditory change detection for rapid auditory transient combinations: Insight from age-related processing changes. <i>Biological Psychology</i> , 2021, 159, 108024.	2.2	1
100	Marton Magda munkái a kórelleti pszichológiában. <i>Magyar Pszichológiai Szemle</i> , 2017, 72, 427-439.	0.2	1
101	Frontális diszfunkcióra utaló eseményhez kötött agyi potenciál változások magassági hipoxiában. <i>Magyar Pszichológiai Szemle</i> , 2001, 55, 501-516.	0.2	1
102	Effects of the inter-stimulus interval on visual evoked potentials to patterned stimuli. <i>Activitas Nervosa Superior</i> , 1979, 21, 81-9.	0.0	1
103	The modulatory effect of adaptive task-switching training on resting-state neural network dynamics in younger and older adults. <i>Scientific Reports</i> , 2022, 12, .	3.3	1
104	Task Related Effects on Event Related Potentials to Target and Non-Target Stimuli in Visual Modality. <i>Advances in Psychology</i> , 1985, , 247-255.	0.1	0
105	Event-related potential evidence of semantic mismatch in a "same-different" reaction time task. <i>International Journal of Psychophysiology</i> , 1989, 8, 185-187.	1.0	0
106	Event-related potentials to deviant visual stimuli: Awareness and discrimination. <i>International Journal of Psychophysiology</i> , 1989, 7, 170-171.	1.0	0
107	Matching facial features: Event-related potential study. <i>International Journal of Psychophysiology</i> , 1989, 7, 171-172.	1.0	0
108	Facial affect recognition: Electrophysiological findings in schizophrenia. <i>European Psychiatry</i> , 2011, 26, 424-424.	0.2	0

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109	Commentary: Cultural differences in on-line sensitivity to emotional voices: comparing East and West. <i>Frontiers in Human Neuroscience</i> , 2016, 9, 696.	2.0	0
110	Automatic detection of the duration of visual static and dynamic stimuli. <i>Brain Research</i> , 2018, 1686, 34-41.	2.2	0
111	The effect of hand motion and object orientation on the automatic detection of orientation: A visual mismatch negativity study. <i>PLoS ONE</i> , 2020, 15, e0229223.	2.5	0
112	ÁšjdonsÁĳg-detekciÁ³ idÁ³skorban: PszichofiziolÁ³giai vizsgÁĳlatok. <i>Magyar Pszichologiai Szemle</i> , 2006, 61, 581-595.	0.2	0
113	LÁĳszlÁ³ JÁĳnos [1948â€“2015]. <i>Magyar Pszichologiai Szemle</i> , 2015, 70, 459-461.	0.2	0
114	VÁĳlaszok az ElÁĳhang a kÁ³sÁ³rleti pszicholÁ³giÁĳhoz cÁ³mÁ³ tanulÁĳnyhoz fÁ³zÁĳtt megjegyzÁ³sekhez. <i>Magyar Pszichologiai Szemle</i> , 2022, 76, 667-672.	0.2	0
115	ElÁĳhang a kÁ³sÁ³rleti pszicholÁ³giÁĳhoz. <i>Magyar Pszichologiai Szemle</i> , 2022, 76, 601-625.	0.2	0
116	Attentional processes in discriminating visual features and the conjunction of features: ERP results. <i>Electroencephalography and Clinical Neurophysiology Supplement</i> , 1995, 44, 243-9.	0.0	0
117	Putnoky JenÁ³ (1928â€“1982). <i>Magyar Pszichologiai Szemle</i> , 2022, 77, 159-162.	0.2	0