

Risto Näätänen

List of Publications by Year in descending order

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240
papers

32,037
citations

3919

88
h-index

4419

172
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241
all docs

241
docs citations

241
times ranked

10381
citing authors

#	ARTICLE	IF	CITATIONS
1	The N1 Wave of the Human Electric and Magnetic Response to Sound: A Review and an Analysis of the Component Structure. <i>Psychophysiology</i> , 1987, 24, 375-425.	1.2	2,857
2	The role of attention in auditory information processing as revealed by event-related potentials and other brain measures of cognitive function. <i>Behavioral and Brain Sciences</i> , 1990, 13, 201-233.	0.4	1,514
3	Language-specific phoneme representations revealed by electric and magnetic brain responses. <i>Nature</i> , 1997, 385, 432-434.	13.7	1,091
4	The concept of auditory stimulus representation in cognitive neuroscience.. <i>Psychological Bulletin</i> , 1999, 125, 826-859.	5.5	939
5	Event-related potentials in clinical research: Guidelines for eliciting, recording, and quantifying mismatch negativity, P300, and N400. <i>Clinical Neurophysiology</i> , 2009, 120, 1883-1908.	0.7	934
6	Neural Mechanisms of Involuntary Attention to Acoustic Novelty and Change. <i>Journal of Cognitive Neuroscience</i> , 1998, 10, 590-604.	1.1	758
7	“Primitive intelligence” in the auditory cortex. <i>Trends in Neurosciences</i> , 2001, 24, 283-288.	4.2	726
8	Neuronal responses to magnetic stimulation reveal cortical reactivity and connectivity. <i>NeuroReport</i> , 1997, 8, 3537-3540.	0.6	675
9	Processing negativity: An evoked-potential reflection.. <i>Psychological Bulletin</i> , 1982, 92, 605-640.	5.5	631
10	Early selective-attention effects on the evoked potential: A critical review and reinterpretation. <i>Biological Psychology</i> , 1979, 8, 81-136.	1.1	593
11	The mismatch negativity (MMN): towards the optimal paradigm. <i>Clinical Neurophysiology</i> , 2004, 115, 140-144.	0.7	581
12	The perception of speech sounds by the human brain as reflected by the mismatch negativity (MMN) and its magnetic equivalent (MMNm). <i>Psychophysiology</i> , 2001, 38, 1-21.	1.2	576
13	Development of language-specific phoneme representations in the infant brain. <i>Nature Neuroscience</i> , 1998, 1, 351-353.	7.1	564
14	Memory-based or afferent processes in mismatch negativity (MMN): A review of the evidence. <i>Psychophysiology</i> , 2005, 42, 25-32.	1.2	533
15	The Mismatch Negativity. <i>Ear and Hearing</i> , 1995, 16, 6-18.	1.0	446
16	Auditory processing that leads to conscious perception: A unique window to central auditory processing opened by the mismatch negativity and related responses. <i>Psychophysiology</i> , 2011, 48, 4-22.	1.2	368
17	Do event-related potentials reveal the mechanism of the auditory sensory memory in the human brain?. <i>Neuroscience Letters</i> , 1989, 98, 217-221.	1.0	335
18	Adaptive modeling of the unattended acoustic environment reflected in the mismatch negativity event-related potential. <i>Brain Research</i> , 1996, 742, 239-252.	1.1	318

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19	Intermodal selective attention. II. Effects of attentional load on processing of auditory and visual stimuli in central space. <i>Electroencephalography and Clinical Neurophysiology</i> , 1992, 82, 356-368.	0.3	313
20	Development of a memory trace for a complex sound in the human brain. <i>NeuroReport</i> , 1993, 4, 503-506.	0.6	307
21	Memory prerequisites of mismatch negativity in the auditory event-related potential (ERP).. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 1993, 19, 909-921.	0.7	297
22	Right hemisphere dominance of different mismatch negativities. <i>Electroencephalography and Clinical Neurophysiology</i> , 1991, 78, 466-479.	0.3	289
23	Mismatch negativity-a unique measure of sensory processing in audition. <i>International Journal of Neuroscience</i> , 1995, 80, 317-337.	0.8	287
24	Memory Traces for Words as Revealed by the Mismatch Negativity. <i>NeuroImage</i> , 2001, 14, 607-616.	2.1	277
25	Brain responses reveal the learning of foreign language phonemes. <i>Psychophysiology</i> , 1999, 36, 638-642.	1.2	261
26	Maturation of cortical sound processing as indexed by event-related potentials. <i>Clinical Neurophysiology</i> , 2002, 113, 870-882.	0.7	258
27	Temporal window of integration revealed by MMN to sound omission. <i>NeuroReport</i> , 1997, 8, 1971-1974.	0.6	255
28	Do event-related potentials to infrequent decrements in duration of auditory stimuli demonstrate a memory trace in man?. <i>Neuroscience Letters</i> , 1989, 107, 347-352.	1.0	254
29	The discrimination of and orienting to speech and non-speech sounds in children with autism. <i>Brain Research</i> , 2005, 1066, 147-157.	1.1	250
30	Mismatch negativity to change in spatial location of an auditory stimulus. <i>Electroencephalography and Clinical Neurophysiology</i> , 1989, 73, 129-141.	0.3	241
31	The duration of a neuronal trace of an auditory stimulus as indicated by event-related potentials. <i>Biological Psychology</i> , 1987, 24, 183-195.	1.1	225
32	Short-Term Habituation and Dishabituation of the Mismatch Negativity of the ERP. <i>Psychophysiology</i> , 1984, 21, 434-441.	1.2	222
33	Deviant Matters: Duration, Frequency, and Intensity Deviants Reveal Different Patterns of Mismatch Negativity Reduction in Early and Late Schizophrenia. <i>Biological Psychiatry</i> , 2008, 63, 58-64.	0.7	221
34	Cross-modal reorganization of human cortical functions. <i>Trends in Neurosciences</i> , 2000, 23, 115-120.	4.2	218
35	Measurement of extensive auditory discrimination profiles using the mismatch negativity (MMN) of the auditory event-related potential (ERP). <i>Clinical Neurophysiology</i> , 2007, 118, 177-185.	0.7	216
36	Mismatch negativity: clinical research and possible applications. <i>International Journal of Psychophysiology</i> , 2003, 48, 179-188.	0.5	214

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37	Central auditory dysfunction in schizophrenia as revealed by the mismatch negativity (MMN) and its magnetic equivalent MMNm: a review. <i>International Journal of Neuropsychopharmacology</i> , 2009, 12, 125.	1.0	211
38	Newborn infants can organize the auditory world. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 11812-11815.	3.3	186
39	Superior Formation of Cortical Memory Traces for Melodic Patterns in Musicians. <i>Learning and Memory</i> , 2001, 8, 295-300.	0.5	185
40	Human somatosensory evoked potentials to mechanical pulses and vibration: contributions of SI and SII somatosensory cortices to P50 and P100 components. <i>Electroencephalography and Clinical Neurophysiology</i> , 1990, 75, 13-21.	0.3	184
41	The mismatch negativity: an index of cognitive decline in neuropsychiatric and neurological diseases and in ageing. <i>Brain</i> , 2011, 134, 3435-3453.	3.7	180
42	Pre-attentive detection of vowel contrasts utilizes both phonetic and auditory memory representations. <i>Cognitive Brain Research</i> , 1999, 7, 357-369.	3.3	177
43	Representation of abstract attributes of auditory stimuli in the human brain. <i>NeuroReport</i> , 1992, 3, 1149-1151.	0.6	175
44	Temporal window of integration of auditory information in the human brain. <i>Psychophysiology</i> , 1998, 35, 615-619.	1.2	168
45	Neural representations of abstract stimulus features in the human brain as reflected by the mismatch negativity. <i>NeuroReport</i> , 1994, 5, 844-846.	0.6	167
46	Mismatch Negativity (MMN) as an Index of Cognitive Dysfunction. <i>Brain Topography</i> , 2014, 27, 451-466.	0.8	163
47	Musical scale properties are automatically processed in the human auditory cortex. <i>Brain Research</i> , 2006, 1117, 162-174.	1.1	162
48	Discrimination of Speech and of Complex Nonspeech Sounds of Different Temporal Structure in the Left and Right Cerebral Hemispheres. <i>NeuroImage</i> , 2000, 12, 657-663.	2.1	158
49	Frequency change detection in human auditory cortex. <i>Journal of Computational Neuroscience</i> , 1999, 6, 99-120.	0.6	157
50	Learning-induced neural plasticity of speech processing before birth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15145-15150.	3.3	156
51	Implications of ERP data for psychological theories of attention. <i>Biological Psychology</i> , 1988, 26, 117-163.	1.1	152
52	Mismatch negativity (MMN): perspectives for application. <i>International Journal of Psychophysiology</i> , 2000, 37, 3-10.	0.5	151
53	Heschl's Gyrus, Posterior Superior Temporal Gyrus, and Mid-Ventrolateral Prefrontal Cortex Have Different Roles in the Detection of Acoustic Changes. <i>Journal of Neurophysiology</i> , 2007, 97, 2075-2082.	0.9	149
54	The perception of speech sounds by the human brain as reflected by the mismatch negativity (MMN) and its magnetic equivalent (MMNm). <i>Psychophysiology</i> , 2001, 38, 1-21.	1.2	146

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55	Top-down effects can modify the initially stimulus-driven auditory organization. <i>Cognitive Brain Research</i> , 2002, 13, 393-405.	3.3	143
56	Background acoustic noise and the hemispheric lateralization of speech processing in the human brain: magnetic mismatch negativity study. <i>Neuroscience Letters</i> , 1998, 251, 141-144.	1.0	141
57	Brain mechanism of selective listening reflected by event-related potentials. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1987, 68, 458-470.	2.0	137
58	Automatic auditory intelligence: An expression of the sensory "cognitive core of cognitive processes. <i>Brain Research Reviews</i> , 2010, 64, 123-136.	9.1	135
59	Basic auditory dysfunction in dyslexia as demonstrated by brain activity measurements. <i>Psychophysiology</i> , 2000, 37, 262-266.	1.2	134
60	Cortical Activity Elicited by Changes in Auditory Stimuli: Different Sources for the Magnetic N100m and Mismatch Responses. <i>Psychophysiology</i> , 1991, 28, 21-29.	1.2	131
61	Event-Related Potentials and Autonomic Responses to a Change in Unattended Auditory Stimuli. <i>Psychophysiology</i> , 1992, 29, 523-534.	1.2	128
62	The diminishing time-uncertainty with the lapse of time after the warning signal in reaction-time experiments with varying fore-periods. <i>Acta Psychologica</i> , 1970, 34, 399-419.	0.7	126
63	Deficient auditory processing in children with Asperger Syndrome, as indexed by event-related potentials. <i>Neuroscience Letters</i> , 2003, 338, 197-200.	1.0	126
64	A method for generating natural-sounding speech stimuli for cognitive brain research. <i>Clinical Neurophysiology</i> , 1999, 110, 1329-1333.	0.7	124
65	Frequency discrimination at different frequency levels as indexed by electrophysiological and behavioral measures. <i>Cognitive Brain Research</i> , 2004, 20, 26-36.	3.3	124
66	The sound of music: Differentiating musicians using a fast, musical multi-feature mismatch negativity paradigm. <i>Neuropsychologia</i> , 2012, 50, 1432-1443.	0.7	121
67	Word-specific cortical activity as revealed by the mismatch negativity. <i>Psychophysiology</i> , 2004, 41, 106-112.	1.2	118
68	Preattentive extraction of abstract feature conjunctions from auditory stimulation as reflected by the mismatch negativity (MMN). <i>Psychophysiology</i> , 2001, 38, 359-365.	1.2	117
69	Event-Related Potentials to Infrequent Changes in Synthesized Phonetic Stimuli. <i>Journal of Cognitive Neuroscience</i> , 1990, 2, 344-357.	1.1	115
70	Analysis of speech sounds is left-hemisphere predominant at 100-150 ms after sound onset. <i>NeuroReport</i> , 1999, 10, 1113-1117.	0.6	112
71	Abstract phoneme representations in the left temporal cortex: magnetic mismatch negativity study. <i>NeuroReport</i> , 2002, 13, 1813-1816.	0.6	110
72	The auditory sensory memory trace decays rapidly in newborns. <i>Scandinavian Journal of Psychology</i> , 2002, 43, 33-39.	0.8	109

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73	Event-related brain potentials reflect traces of echoic memory in humans. <i>Perception & Psychophysics</i> , 1993, 53, 443-449.	2.3	108
74	Grammar Processing Outside the Focus of Attention: an MEG Study. <i>Journal of Cognitive Neuroscience</i> , 2003, 15, 1195-1206.	1.1	107
75	Visual mismatch negativity (vMMN): A review and meta-analysis of studies in psychiatric and neurological disorders. <i>Cortex</i> , 2016, 80, 76-112.	1.1	107
76	Effects of auditory distraction on electrophysiological brain activity and performance in children aged 8-13 years. <i>Psychophysiology</i> , 2004, 41, 30-36.	1.2	106
77	Effects of an NMDA-receptor antagonist MK-801 on an MMN-like response recorded in anesthetized rats. <i>Brain Research</i> , 2008, 1203, 97-102.	1.1	106
78	The adaptive brain: A neurophysiological perspective. <i>Progress in Neurobiology</i> , 2010, 91, 55-67.	2.8	106
79	Separate Neural Processing of Timbre Dimensions in Auditory Sensory Memory. <i>Journal of Cognitive Neuroscience</i> , 2006, 18, 1959-1972.	1.1	103
80	Grouping of Sequential Sounds – An Event-Related Potential Study Comparing Musicians and Nonmusicians. <i>Journal of Cognitive Neuroscience</i> , 2004, 16, 331-338.	1.1	101
81	Neural plasticity in processing of sound location by the early blind: an event-related potential study. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1992, 84, 469-472.	2.0	100
82	Mismatch Negativity Outside Strong Attentional Focus: A Commentary on Woldorff et al. (1991). <i>Psychophysiology</i> , 1991, 28, 478-484.	1.2	97
83	Event-related potential features indexing central auditory discrimination by newborns. <i>Cognitive Brain Research</i> , 2002, 13, 101-113.	3.3	96
84	Processing acoustic change and novelty in newborn infants. <i>European Journal of Neuroscience</i> , 2007, 26, 265-274.	1.2	95
85	Evoked potential, EEG, and slow potential correlates of selective attention. <i>Acta Psychologica</i> , 1970, 33, 178-192.	0.7	92
86	The Effect of Small Variation of the Frequent Auditory Stimulus on the Event-Related Brain Potential to the Infrequent Stimulus. <i>Psychophysiology</i> , 1990, 27, 228-235.	1.2	92
87	The mismatch negativity in evaluating central auditory dysfunction in dyslexia. <i>Neuroscience and Biobehavioral Reviews</i> , 2001, 25, 535-543.	2.9	92
88	Cognition and Event-Related Potentials.. <i>Annals of the New York Academy of Sciences</i> , 1984, 425, 24-38.	1.8	90
89	Small Pitch Separation and the Selective-Attention Effect on the ERP. <i>Psychophysiology</i> , 1986, 23, 189-197.	1.2	90
90	Auditory organization of sound sequences by a temporal or numerical regularity – a mismatch negativity study comparing musicians and non-musicians. <i>Cognitive Brain Research</i> , 2005, 23, 270-276.	3.3	90

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91	Mismatch negativity to slight pitch changes outside strong attentional focus. <i>Biological Psychology</i> , 1993, 37, 23-41.	1.1	89
92	Interactions between Transient and Long-Term Auditory Memory as Reflected by the Mismatch Negativity. <i>Journal of Cognitive Neuroscience</i> , 1996, 8, 403-415.	1.1	89
93	Distinct Gamma-Band Evoked Responses to Speech and Non-Speech Sounds in Humans. <i>Journal of Neuroscience</i> , 2002, 22, RC211-RC211.	1.7	89
94	Separation of contamination caused by coil clicks from responses elicited by transcranial magnetic stimulation. <i>Clinical Neurophysiology</i> , 1999, 110, 982-985.	0.7	88
95	Implicit, Intuitive, and Explicit Knowledge of Abstract Regularities in a Sound Sequence: An Event-related Brain Potential Study. <i>Journal of Cognitive Neuroscience</i> , 2006, 18, 1292-1303.	1.1	88
96	Human auditory-cortex mechanisms of preattentive sound discrimination. <i>Neuroscience Letters</i> , 2000, 280, 87-90.	1.0	86
97	Mismatch negativity (MMN) deficiency: A break-through biomarker in predicting psychosis onset. <i>International Journal of Psychophysiology</i> , 2015, 95, 338-344.	0.5	86
98	Effects of Haloperidol on Selective Attention A Combined Whole-Head MEG and High-Resolution EEG Study. <i>Neuropsychopharmacology</i> , 2001, 25, 498-504.	2.8	85
99	Neuronal populations in the human brain extracting invariant relationships from acoustic variance. <i>Neuroscience Letters</i> , 1999, 265, 179-182.	1.0	84
100	Mismatch negativity shows that 6-year-old children can learn to discriminate non-native speech sounds within two months. <i>Neuroscience Letters</i> , 2002, 325, 187-190.	1.0	84
101	A kind of auditory "primitive intelligence" already present at birth. <i>European Journal of Neuroscience</i> , 2005, 21, 3201-3204.	1.2	84
102	New fast mismatch negativity paradigm for determining the neural prerequisites for musical ability. <i>Cortex</i> , 2011, 47, 1091-1098.	1.1	84
103	Event-related potentials reveal how non-attended complex sound patterns are represented by the human brain. <i>Neuroscience Letters</i> , 1992, 146, 183-186.	1.0	79
104	Event-related potentials reveal a memory trace for temporal features. <i>NeuroReport</i> , 1993, 5, 310-312.	0.6	79
105	Long-term exposure to noise impairs cortical sound processing and attention control. <i>Psychophysiology</i> , 2004, 41, 875-881.	1.2	78
106	Training the Brain to Weight Speech Cues Differently: A Study of Finnish Second-language Users of English. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 1319-1332.	1.1	78
107	Fast multi-feature paradigm for recording several mismatch negativities (MMNs) to phonetic and acoustic changes in speech sounds. <i>Biological Psychology</i> , 2009, 82, 219-226.	1.1	77
108	Speech-sound discrimination in neonates as measured with MEG. <i>NeuroReport</i> , 2004, 15, 2089-2092.	0.6	76

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109	Auditory magnetic responses of healthy newborns. <i>NeuroReport</i> , 2003, 14, 1871-1875.	0.6	75
110	Reading skill and neural processing accuracy improvement after a 3-hour intervention in preschoolers with difficulties in reading-related skills. <i>Brain Research</i> , 2012, 1448, 42-55.	1.1	75
111	Automatic time perception in the human brain for intervals ranging from milliseconds to seconds. <i>Psychophysiology</i> , 2004, 41, 660-663.	1.2	74
112	Brain activity index of distractibility in normal school-age children. <i>Neuroscience Letters</i> , 2001, 314, 147-150.	1.0	73
113	Temporal constraints of auditory event synthesis. <i>NeuroReport</i> , 1998, 9, 495-499.	0.6	71
114	Temporal integration of auditory stimulus deviance as reflected by the mismatch negativity. <i>Neuroscience Letters</i> , 1999, 264, 161-164.	1.0	70
115	Native and foreign vowel discrimination as indexed by the mismatch negativity (MMN) response. <i>Neuroscience Letters</i> , 2003, 352, 25-28.	1.0	70
116	Mismatch negativity (MMN) as biomarker predicting psychosis in clinically at-risk individuals. <i>Biological Psychology</i> , 2016, 116, 36-40.	1.1	70
117	Children's Auditory Event-Related Potentials Index Sound Complexity and "Speechness". <i>International Journal of Neuroscience</i> , 2001, 109, 245-260.	0.8	69
118	The role of blind humans'™ visual cortex in auditory change detection. <i>Neuroscience Letters</i> , 2005, 379, 127-131.	1.0	69
119	Criteria for determining whether mismatch responses exist in animal models: Focus on rodents. <i>Biological Psychology</i> , 2016, 116, 28-35.	1.1	69
120	Stimulus selection during auditory spatial attention as expressed by event-related potentials. <i>Biological Psychology</i> , 1987, 24, 153-162.	1.1	68
121	Magnetoencephalography in studies of human cognitive brain function. <i>Trends in Neurosciences</i> , 1994, 17, 389-395.	4.2	68
122	Linguistic relevance of duration within the native language determines the accuracy of speech-sound duration processing. <i>Cognitive Brain Research</i> , 2003, 16, 492-495.	3.3	68
123	Abnormal pattern of cortical speech feature discrimination in 6-year-old children at risk for dyslexia. <i>Brain Research</i> , 2010, 1335, 53-62.	1.1	65
124	Phonetic invariance in the human auditory cortex. <i>NeuroReport</i> , 1993, 4, 1356-1358.	0.6	64
125	Auditory Discrimination After Left-Hemisphere Stroke. <i>Stroke</i> , 2003, 34, 1746-1751.	1.0	63
126	Mismatch negativity (MMN) as an index of central auditory system plasticity. <i>International Journal of Audiology</i> , 2008, 47, S16-S20.	0.9	63

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127	Preattentive auditory context effects. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2003, 3, 57-77.	1.0	61
128	Mismatch negativity subcomponents and ethyl alcohol. <i>Biological Psychology</i> , 1996, 43, 13-25.	1.1	60
129	Auditory discrimination profiles of speech sound changes in 6-year-old children as determined with the multi-feature MMN paradigm. <i>Clinical Neurophysiology</i> , 2009, 120, 916-921.	0.7	60
130	vMMN for schematic faces: automatic detection of change in emotional expression. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 714.	1.0	60
131	Event-related potentials in auditory backward recognition masking: A new way to study the neurophysiological basis of sensory memory in humans. <i>Neuroscience Letters</i> , 1992, 140, 239-242.	1.0	59
132	Practiced musical style shapes auditory skills. <i>Annals of the New York Academy of Sciences</i> , 2012, 1252, 139-146.	1.8	59
133	Neurophysiologic correlates of deficient phonological representations and object naming in prematurely born children. <i>Clinical Neurophysiology</i> , 2004, 115, 179-187.	0.7	57
134	The processing of speech and non-speech sounds in aphasic patients as reflected by the mismatch negativity (MMN). <i>Neuroscience Letters</i> , 2004, 366, 235-240.	1.0	57
135	Mismatch negativity (MMN) elicited by changes in phoneme length: A cross-linguistic study. <i>Brain Research</i> , 2006, 1072, 175-185.	1.1	56
136	Low Dose of Ethanol Suppresses Mismatch Negativity of Auditory Event-Related Potentials. <i>Alcoholism: Clinical and Experimental Research</i> , 1995, 19, 607-610.	1.4	55
137	Stimulus duration and the sensory memory trace: An event-related potential study. <i>Biological Psychology</i> , 1993, 35, 139-152.	1.1	54
138	Preattentive representation of feature conjunctions for concurrent spatially distributed auditory objects. <i>Cognitive Brain Research</i> , 2005, 25, 169-179.	3.3	53
139	Auditory cortical change detection in adults with Asperger syndrome. <i>Neuroscience Letters</i> , 2007, 414, 136-140.	1.0	53
140	Binaural information can converge in abstract memory traces. <i>Psychophysiology</i> , 1998, 35, 483-487.	1.2	52
141	The additivity of the auditory feature analysis in the human brain as indexed by the mismatch negativity: $1+1 \neq 2$ but $1+1 < 3$. <i>Neuroscience Letters</i> , 2001, 301, 179-182.	1.0	52
142	Can Echoic Memory Store Two Traces Simultaneously? A Study of Event-Related Brain Potentials. <i>Psychophysiology</i> , 1992, 29, 337-349.	1.2	51
143	Auditory stream segregation processes operate similarly in school-aged children and adults. <i>Hearing Research</i> , 2001, 153, 108-114.	0.9	50
144	Strongly focused attention and auditory event-related potentials. <i>Biological Psychology</i> , 1994, 38, 73-90.	1.1	49

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145	Human auditory cortex tracks task-irrelevant sound sources. <i>NeuroReport</i> , 2003, 14, 2053-2056.	0.6	49
146	Sound complexity and "speechness" effects on pre-attentive auditory discrimination in children. <i>International Journal of Psychophysiology</i> , 2002, 43, 199-211.	0.5	48
147	Increased Distractibility by Task-Irrelevant Sound Changes in Abstinent Alcoholics. <i>Alcoholism: Clinical and Experimental Research</i> , 2000, 24, 1850-1854.	1.4	47
148	Automatic and controlled processing of acoustic and phonetic contrasts. <i>Hearing Research</i> , 2004, 190, 128-140.	0.9	47
149	The mismatch negativity (MMN) with no standard stimulus. <i>Clinical Neurophysiology</i> , 2010, 121, 1043-1050.	0.7	46
150	The transient 40-Hz response, mismatch negativity, and attentional processes in humans. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 1997, 21, 751-771.	2.5	45
151	Event-related brain potentials reveal covert distractibility in closed head injuries. <i>NeuroReport</i> , 1999, 10, 2125-2129.	0.6	44
152	Speech-sound duration processing in a second language is specific to phonetic categories. <i>Brain and Language</i> , 2005, 92, 26-32.	0.8	44
153	The mismatch negativity to changes in speech sounds at the age of three months. <i>Developmental Neuropsychology</i> , 1997, 13, 167-174.	1.0	43
154	Early Visual Evoked Potentials and Mismatch Negativity in Alzheimer's Disease and Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 397-408.	1.2	42
155	Neuromagnetic responses of the human auditory cortex to short frequency glides. <i>Neuroscience Letters</i> , 1991, 121, 43-46.	1.0	41
156	The auditory transient 40-Hz response is insensitive to changes in stimulus features. <i>NeuroReport</i> , 1994, 6, 190-192.	0.6	41
157	Timbre Similarity: Convergence of Neural, Behavioral, and Computational Approaches. <i>Music Perception</i> , 1998, 16, 223-241.	0.5	40
158	Mismatch negativity to changes in a continuous tone with regularly varying frequencies. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1994, 92, 140-147.	2.0	39
159	The newborn human brain binds sound features together. <i>NeuroReport</i> , 2003, 14, 2117-2119.	0.6	38
160	Object representation in the human auditory system. <i>European Journal of Neuroscience</i> , 2006, 24, 625-634.	1.2	38
161	Changes in acoustic features and their conjunctions are processed by separate neuronal populations. <i>NeuroReport</i> , 2001, 12, 525-529.	0.6	37
162	Preattentive processing of spectral, temporal, and structural characteristics of acoustic regularities: A mismatch negativity study. <i>Psychophysiology</i> , 2001, 38, 92-98.	1.2	37

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163	Mismatch Negativity Brain Response as an Index of Speech Perception Recovery in Cochlear-Implant Recipients. <i>Audiology and Neuro-Otology</i> , 2004, 9, 160-162.	0.6	37
164	Children's performance on pseudoword repetition depends on auditory trace quality: Evidence from event-related potentials. <i>Developmental Psychology</i> , 1999, 35, 709-720.	1.2	36
165	Linguistic processing in visual and modality-nonspecific brain areas: PET recordings during selective attention. <i>Cognitive Brain Research</i> , 2004, 20, 309-322.	3.3	36
166	The MMN as a viable and objective marker of auditory development in CI users. <i>Hearing Research</i> , 2017, 353, 57-75.	0.9	36
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