

Teemu Rinne

List of Publications by Year in descending order

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53
papers

6,539
citations

147801

31
h-index

168389

53
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all docs

53
docs citations

53
times ranked

4929
citing authors

#	ARTICLE	IF	CITATIONS
1	The mismatch negativity (MMN) in basic research of central auditory processing: A review. <i>Clinical Neurophysiology</i> , 2007, 118, 2544-2590.	1.5	2,188
2	The mismatch negativity (MMN): towards the optimal paradigm. <i>Clinical Neurophysiology</i> , 2004, 115, 140-144.	1.5	581
3	Separate Time Behaviors of the Temporal and Frontal Mismatch Negativity Sources. <i>NeuroImage</i> , 2000, 12, 14-19.	4.2	445
4	Differential Contribution of Frontal and Temporal Cortices to Auditory Change Detection: fMRI and ERP Results. <i>NeuroImage</i> , 2002, 15, 167-174.	4.2	436
5	Maturation of cortical sound processing as indexed by event-related potentials. <i>Clinical Neurophysiology</i> , 2002, 113, 870-882.	1.5	258
6	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.	1.5	216
7	Two separate mechanisms underlie auditory change detection and involuntary control of attention. <i>Brain Research</i> , 2006, 1077, 135-143.	2.2	172
8	Functional Maps of Human Auditory Cortex: Effects of Acoustic Features and Attention. <i>PLoS ONE</i> , 2009, 4, e5183.	2.5	131
9	Brain networks of bottom-up triggered and top-down controlled shifting of auditory attention. <i>Brain Research</i> , 2009, 1286, 155-164.	2.2	128
10	Superior temporal and inferior frontal cortices are activated by infrequent sound duration decrements: an fMRI study. <i>NeuroImage</i> , 2005, 26, 66-72.	4.2	121
11	Ageing Effects on Auditory Processing: An Event-Related Potential Study. <i>Experimental Aging Research</i> , 1996, 22, 171-184.	1.2	117
12	Analysis of speech sounds is left-hemisphere predominant at 100-150 ms after sound onset. <i>NeuroReport</i> , 1999, 10, 1113-1117.	1.2	112
13	Stimulus-dependent activations and attention-related modulations in the auditory cortex: A meta-analysis of fMRI studies. <i>Hearing Research</i> , 2014, 307, 29-41.	2.0	111
14	Selective attention to sound location or pitch studied with fMRI. <i>Brain Research</i> , 2006, 1077, 123-134.	2.2	99
15	Auditory Attention Activates Peripheral Visual Cortex. <i>PLoS ONE</i> , 2009, 4, e4645.	2.5	92
16	RAPID COMMUNICATION Scalp-Recorded Optical Signals Make Sound Processing in the Auditory Cortex Visible?. <i>NeuroImage</i> , 1999, 10, 620-624.	4.2	90
17	Auditory Selective Attention Modulates Activation of Human Inferior Colliculus. <i>Journal of Neurophysiology</i> , 2008, 100, 3323-3327.	1.8	87
18	Functional Properties of Human Auditory Cortical Fields. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, 155.	2.5	85

#	ARTICLE	IF	CITATIONS
19	Orienting and maintenance of spatial attention in audition and vision: multimodal and modality-specific brain activations. <i>Brain Structure and Function</i> , 2007, 212, 181-194.	2.3	82
20	Age-related functional differences between auditory cortices. <i>NeuroReport</i> , 1995, 6, 1803-1806.	1.2	78
21	Mismatch negativity is unaffected by top-down predictive information. <i>NeuroReport</i> , 2001, 12, 2209-2213.	1.2	74
22	Modulation of auditory cortex activation by sound presentation rate and attention. <i>Human Brain Mapping</i> , 2005, 26, 94-99.	3.6	61
23	MEG-compatible multichannel EEG electrode array. <i>Electroencephalography and Clinical Neurophysiology</i> , 1996, 99, 568-570.	0.3	57
24	Task-Dependent Activations of Human Auditory Cortex during Pitch Discrimination and Pitch Memory Tasks. <i>Journal of Neuroscience</i> , 2009, 29, 13338-13343.	3.6	57
25	Human brain activity associated with audiovisual perception and attention. <i>NeuroImage</i> , 2007, 34, 1683-1691.	4.2	56
26	Top-down controlled and bottom-up triggered orienting of auditory attention to pitch activate overlapping brain networks. <i>Brain Research</i> , 2015, 1626, 136-145.	2.2	47
27	Effects of Acoustic Gradient Noise from Functional Magnetic Resonance Imaging on Auditory Processing as Reflected by Event-Related Brain Potentials. <i>NeuroImage</i> , 2001, 14, 244-251.	4.2	40
28	Distributed cortical networks for focused auditory attention and distraction. <i>Neuroscience Letters</i> , 2007, 416, 247-251.	2.1	39
29	The functional role of the frontal cortex in pre-attentive auditory change detection. <i>NeuroImage</i> , 2013, 83, 870-879.	4.2	38
30	Changes in acoustic features and their conjunctions are processed by separate neuronal populations. <i>NeuroReport</i> , 2001, 12, 525-529.	1.2	37
31	Attention modulates sound processing in human auditory cortex but not the inferior colliculus. <i>NeuroReport</i> , 2007, 18, 1311-1314.	1.2	35
32	Electric brain response to sound repetition in humans: an index of long-term-memory "trace formation?". <i>Neuroscience Letters</i> , 2002, 318, 49-51.	2.1	32
33	Evidence for cue-independent spatial representation in the human auditory cortex during active listening. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7602-E7611.	7.1	32
34	Selective attention to sound location or pitch studied with event-related brain potentials and magnetic fields. <i>European Journal of Neuroscience</i> , 2008, 27, 3329-3341.	2.6	29
35	Attention-related modulation of auditory-cortex responses to speech sounds during dichotic listening. <i>Brain Research</i> , 2012, 1442, 47-54.	2.2	29
36	Orienting and maintenance of spatial attention in audition and vision: an event-related brain potential study. <i>European Journal of Neuroscience</i> , 2007, 25, 3725-3733.	2.6	28

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37	Brain activity during auditory and visual phonological, spatial and simple discrimination tasks. <i>Brain Research</i> , 2013, 1496, 55-69.	2.2	26
38	Brain activations during bimodal dual tasks depend on the nature and combination of component tasks. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 102.	2.0	21
39	Activations of Human Auditory Cortex During Visual and Auditory Selective Attention Tasks with Varying Difficulty. <i>Open Neuroimaging Journal</i> , 2010, 4, 187-193.	0.2	21
40	Functional Imaging of Audio-Visual Selective Attention in Monkeys and Humans: How do Lapses in Monkey Performance Affect Cross-Species Correspondences?. <i>Cerebral Cortex</i> , 2017, 27, 3471-3484.	2.9	20
41	Activations of human auditory cortex to phonemic and nonphonemic vowels during discrimination and memory tasks. <i>NeuroImage</i> , 2013, 77, 279-287.	4.2	19
42	Task-dependent activations of human auditory cortex during spatial discrimination and spatial memory tasks. <i>NeuroImage</i> , 2012, 59, 4126-4131.	4.2	18
43	The effect of precision and power grips on activations in human auditory cortex. <i>Frontiers in Neuroscience</i> , 2015, 9, 378.	2.8	17
44	Reward cues readily direct monkeys' auditory performance resulting in broad auditory cortex modulation and interaction with sites along cholinergic and dopaminergic pathways. <i>Scientific Reports</i> , 2019, 9, 3055.	3.3	13
45	Task-dependent activations of human auditory cortex to prototypical and nonprototypical vowels. <i>Human Brain Mapping</i> , 2013, 34, 1272-1281.	3.6	12
46	Intrinsic, stimulus-driven and task-dependent connectivity in human auditory cortex. <i>Brain Structure and Function</i> , 2018, 223, 2113-2127.	2.3	12
47	Processing of pitch and location in human auditory cortex during visual and auditory tasks. <i>Frontiers in Psychology</i> , 2015, 6, 1678.	2.1	10
48	Attention effects on the processing of task-relevant and task-irrelevant speech sounds and letters. <i>Frontiers in Neuroscience</i> , 2013, 7, 231.	2.8	9
49	Interaction of the effects associated with auditory-motor integration and attention-engaging listening tasks. <i>Neuropsychologia</i> , 2019, 124, 322-336.	1.6	9
50	Effects of significance of auditory location changes on event related brain potentials and pitch discrimination performance. <i>Brain Research</i> , 2012, 1427, 44-53.	2.2	4
51	Processing of spatial sounds in human auditory cortex during visual, discrimination and 2-back tasks. <i>Frontiers in Neuroscience</i> , 2014, 8, 220.	2.8	4
52	Acoustical and categorical tasks differently modulate activations of human auditory cortex to vowels. <i>Brain and Language</i> , 2014, 138, 71-79.	1.6	3
53	Source Analysis of Event-Related Potentials During Pitch Discrimination and Pitch Memory Tasks. <i>Brain Topography</i> , 2015, 28, 445-458.	1.8	1