Jarmo Arvid Hmlinen

List of Publications by Citations

71 papers	1,744 citations	24 h-index	40 g-index
75 ext. papers	2,090 ext. citations	3.8 avg, IF	4.86 L-index

#	Paper	IF	Citations
71	Basic auditory processing deficits in dyslexia: systematic review of the behavioral and event-related potential/ field evidence. *Journal of Learning Disabilities*, **2013**, 46, 413-27	2.7	168
70	Newborn brain event-related potentials revealing atypical processing of sound frequency and the subsequent association with later literacy skills in children with familial dyslexia. *Cortex*, **2010**, 46, 1362-76	3.8	124
69	Reduced phase locking to slow amplitude modulation in adults with dyslexia: an MEG study. *NeuroImage*, **2012**, 59, 2952-61	7.9	100
68	Newborn event-related potentials predict poorer pre-reading skills in children at risk for dyslexia. *Journal of Learning Disabilities*, **2010**, 43, 391-401	2.7	98
67	Rise time perception and detection of syllable stress in adults with developmental dyslexia. *Journal of Memory and Language*, **2011**, 64, 59-73	3.8	72
66	Psychophysiology of developmental dyslexia: a review of findings including studies of children at risk for dyslexia. *Journal of Neurolinguistics*, **2005**, 18, 167-195	1.9	72
65	Infant brain responses associated with reading-related skills before school and at school age. *Neurophysiologie Clinique*, **2012**, 42, 35-41	2.7	70
64	Dyslexia-Early Identification and Prevention: Highlights from the Jyv[illegible]skyl[illegible] Longitudinal Study of Dyslexia. *Current Developmental Disorders Reports*, **2015**, 2, 330-338	1.9	63
63	Oscillatory Dynamics Underlying Perceptual Narrowing of Native Phoneme Mapping from 6 to 12 Months of Age. *Journal of Neuroscience*, **2016**, 36, 12095-12105	6.6	58
62	Detection of sound rise time by adults with dyslexia. *Brain and Language*, **2005**, 94, 32-42	2.9	57
61	Event-related potentials to pitch and rise time change in children with reading disabilities and typically reading children. *Clinical Neurophysiology*, **2008**, 119, 100-15	4.3	55
60	Distinctive Representation of Mispredicted and Unpredicted Prediction Errors in Human Electroencephalography. *Journal of Neuroscience*, **2015**, 35, 14653-60	6.6	49
59	Both attention and prediction are necessary for adaptive neuronal tuning in sensory processing. *Frontiers in Human Neuroscience*, **2014**, 8, 152	3.3	44
58	Music training enhances rapid neural plasticity of n1 and p2 source activation for unattended sounds. *Frontiers in Human Neuroscience*, **2012**, 6, 43	3.3	44
57	Common variance in amplitude envelope perception tasks and their impact on phoneme duration perception and reading and spelling in Finnish children with reading disabilities. *Applied Psycholinguistics*, **2009**, 30, 511-530	1.4	42
56	Enhancement of gamma oscillations indicates preferential processing of native over foreign phonemic contrasts in infants. *Journal of Neuroscience*, **2013**, 33, 18746-54	6.6	39
55	Time course of ERP generators to syllables in infants: a source localization study using age-appropriate brain templates. *NeuroImage*, **2012**, 59, 3275-87	7.9	36

54	Source localization of event-related potentials to pitch change mapped onto age-appropriate MRIs at 6 months of age. *NeuroImage*, **2011**, 54, 1910-8	7.9	36
53	N1 and P2 components of auditory event-related potentials in children with and without reading disabilities. *Clinical Neurophysiology*, **2007**, 118, 2263-75	4.3	32
52	Longitudinal interactions between brain and cognitive measures on reading development from 6 months to 14 years. *Neuropsychologia*, **2018**, 108, 6-12	3.2	31
51	Mismatch brain response to speech sound changes in rats. *Frontiers in Psychology*, **2011**, 2, 283	3.4	29
50	Auditory event-related potentials measured in kindergarten predict later reading problems at school age. *Developmental Neuropsychology*, **2013**, 38, 550-66	1.8	28
49	Repetition suppression comprises both attention-independent and attention-dependent processes. *NeuroImage*, **2014**, 98, 168-75	7.9	26
48	Validating rationale of group-level component analysis based on estimating number of sources in EEG through model order selection. *Journal of Neuroscience Methods*, **2013**, 212, 165-72	3	25
47	Dimension reduction: additional benefit of an optimal filter for independent component analysis to extract event-related potentials. *Journal of Neuroscience Methods*, **2011**, 201, 269-80	3	23
46	Event-related potentials to tones show differences between children with multiple risk factors for dyslexia and control children before the onset of formal reading instruction. *International Journal of Psychophysiology*, **2015**, 95, 101-12	2.9	22
45	Perception of phonemic length and its relation to reading and spelling skills in children with family risk for dyslexia in the first three grades of school. *Journal of Speech, Language, and Hearing Research*, **2010**, 53, 710-24	2.8	22
44	Basic auditory processing and developmental dyslexia in Chinese. *Reading and Writing*, **2012**, 25, 509-536	2.1	21
43	Early Identification and Prevention of Dyslexia: Results from a Prospective Follow-up Study of Children at Familial Risk for Dyslexia121-146		20
42	Temporal expectation and spectral expectation operate in distinct fashion on neuronal populations. *Neuropsychologia*, **2013**, 51, 2548-55	3.2	16
41	Enhancement of brain event-related potentials to speech sounds is associated with compensated reading skills in dyslexic children with familial risk for dyslexia. *International Journal of Psychophysiology*, **2014**, 94, 298-310	2.9	14
40	Passive sound exposure induces rapid perceptual learning in musicians: event-related potential evidence. *Biological Psychology*, **2013**, 94, 341-53	3.2	14
39	N1, P2 and T-complex of the auditory brain event-related potentials to tones with varying rise times in adults with and without dyslexia. *International Journal of Psychophysiology*, **2011**, 81, 51-9	2.9	12
38	The processing of mispredicted and unpredicted sensory inputs interact differently with attention. *Neuropsychologia*, **2018**, 111, 85-91	3.2	11
37	Separating mismatch negativity (MMN) response from auditory obligatory brain responses in school-aged children. *Psychophysiology*, **2013**, 50, 640-52	4.1	11

36	The auditory N1 suppression rebounds as prediction persists over time. *Neuropsychologia*, **2016**, 84, 198-204	3.2	11
35	Auditory event-related potentials show altered hemispheric responses in dyslexia. *Neuroscience Letters*, **2011**, 498, 127-32	3.3	10
34	Neural generators of the frequency-following response elicited to stimuli of low and high frequency: A magnetoencephalographic (MEG) study. *NeuroImage*, **2021**, 231, 117866	7.9	10
33	Audiovisual Processing of Chinese Characters Elicits Suppression and Congruency Effects in MEG. *Frontiers in Human Neuroscience*, **2019**, 13, 18	3.3	9
32	Brain Responses to Letters and Speech Sounds and Their Correlations With Cognitive Skills Related to Reading in Children. *Frontiers in Human Neuroscience*, **2018**, 12, 304	3.3	8
31	Influence of reading skill and word length on fixation-related brain activity in school-aged children during natural reading. *Vision Research*, **2019**, 165, 109-122	2.1	8
30	Electrophysiological correlates of cross-linguistic semantic integration in hearing signers: N400 and LPC. *Neuropsychologia*, **2014**, 59, 57-73	3.2	8
29	Precursors and consequences of phonemic length discrimination ability problems in children with reading disabilities and familial risk for dyslexia. *Journal of Speech, Language, and Hearing Research*, **2013**, 56, 1462-75	2.8	7
28	Unveiling the Mysteries of Dyslexia-Lessons Learned from the Prospective Jyv[illegible]skyl[illegible] Longitudinal Study of Dyslexia. *Brain Sciences*, **2021**, 11,	3.4	7
27	Passive exposure to speech sounds induces long-term memory representations in the auditory cortex of adult rats. *Scientific Reports*, **2016**, 6, 38904	4.9	7
26	Brain event-related potentials to phoneme contrasts and their correlation to reading skills in school-age children. *International Journal of Behavioral Development*, **2018**, 42, 357-372	2.6	7
25	Event-related brain potentials to change in the frequency and temporal structure of sounds in typically developing 5-6-year-old children. *International Journal of Psychophysiology*, **2015**, 98, 413-25	2.9	6
24	Auditory-evoked potentials to changes in sound duration in urethane-anaesthetized mice. *European Journal of Neuroscience*, **2019**, 50, 1911-1919	3.5	6
23	Passive exposure to speech sounds modifies change detection brain responses in adults. *NeuroImage*, **2019**, 188, 208-216	7.9	6
22	Reproducibility of Brain Responses: High for Speech Perception, Low for Reading Difficulties. *Scientific Reports*, **2019**, 9, 8487	4.9	5
21	Attentional processes in typically developing children as revealed using brain event-related potentials and their source localization in Attention Network Test. *Scientific Reports*, **2019**, 9, 2940	4.9	5
20	Semantic anomaly detection in school-aged children during natural sentence reading - A study of fixation-related brain potentials. *PLoS ONE*, **2018**, 13, e0209741	3.7	5
19	Prior Precision Modulates the Minimization of Auditory Prediction Error. *Frontiers in Human Neuroscience*, **2019**, 13, 30	3.3	4

18	Dynamics of brain activation during learning of syllable-symbol paired associations. *Neuropsychologia*, **2019**, 129, 93-103	3.2	4
17	Rapid changes in brain activity during learning of grapheme-phoneme associations in adults. *NeuroImage*, **2020**, 220, 117058	7.9	4
16	Attentional Processes in Children With Attentional Problems or Reading Difficulties as Revealed Using Brain Event-Related Potentials and Their Source Localization. *Frontiers in Human Neuroscience*, **2020**, 14, 160	3.3	3
15	ERP denoising in multichannel EEG data using contrasts between signal and noise subspaces. *Journal of Neuroscience Methods*, **2009**, 180, 340-51	3	3
14	Context-dependent minimisation of prediction errors involves temporal-frontal activation. *NeuroImage*, **2020**, 207, 116355	7.9	3
13	Determining the number of sources in high-density EEG recordings of event-related potentials by model order selection **2011**,		2
12	Dynamics of morphological processing in pre-school children with and without familial risk for dyslexia. *Journal of Neurolinguistics*, **2020**, 56, 100931	1.9	2
11	Deviance detection in sound frequency in simple and complex sounds in urethane-anesthetized rats. *Hearing Research*, **2021**, 399, 107814	3.9	2
10	Change detection to tone pairs during the first year of life - Predictive longitudinal relationships for EEG-based source and time-frequency measures. *NeuroImage*, **2019**, 198, 83-92	7.9	1
9	Auditory event-related potentials over medial frontal electrodes express both negative and positive prediction errors. *Biological Psychology*, **2015**, 106, 61-7	3.2	1
8	Neural Responses to Musical Rhythm in Chinese Children With Reading Difficulties. *Frontiers in Psychology*, **2020**, 11, 1013	3.4	1
7	Top-Down Predictions of Familiarity and Congruency in Audio-Visual Speech Perception at Neural Level. *Frontiers in Human Neuroscience*, **2019**, 13, 243	3.3	1
6	Rapid changes in brain activity during learning of grapheme-phoneme associations in adults		1
5	Human Brain Ages With Hierarchy-Selective Attenuation of Prediction Errors. *Cerebral Cortex*, **2021**, 31, 2156-2168	5.1	1
4	Coherence Between Brain Activation and Speech Envelope at Word and Sentence Levels Showed Age-Related Differences in Low Frequency Bands. *Neurobiology of Language (Cambridge, Mass.)*, **2021**, 2, 226-253	2.6	1
3	Both contextual regularity and selective attention affect the reduction of precision-weighted prediction errors but in distinct manners. *Psychophysiology*, **2021**, 58, e13753	4.1	0
2	Magnetoencephalography Responses to Unpredictable and Predictable Rare Somatosensory Stimuli in Healthy Adult Humans. *Frontiers in Human Neuroscience*, **2021**, 15, 641273	3.3	0
1	Neural correlates of morphological processing and its development from pre-school to the first grade in children with and without familial risk for dyslexia. *Journal of Neurolinguistics*, **2022**, 61, 101037	1.9	