

Jarmo Arvid Hmlinen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | Neural correlates of morphological processing and its development from pre-school to the first grade in children with and without familial risk for dyslexia. <i>Journal of Neurolinguistics</i> , 2022 , 61, 101037 ^{1.9} | | |
| 70 | Both contextual regularity and selective attention affect the reduction of precision-weighted prediction errors but in distinct manners. <i>Psychophysiology</i> , 2021 , 58, e13753 | 4.1 | 0 |
| 69 | Unveiling the Mysteries of Dyslexia-Lessons Learned from the Prospective Jyväskylä Longitudinal Study of Dyslexia. <i>Brain Sciences</i> , 2021 , 11, | 3.4 | 7 |
| 68 | Magnetoencephalography Responses to Unpredictable and Predictable Rare Somatosensory Stimuli in Healthy Adult Humans. <i>Frontiers in Human Neuroscience</i> , 2021 , 15, 641273 | 3.3 | 0 |
| 67 | 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 | 7.9 | 10 |
| 66 | Human Brain Ages With Hierarchy-Selective Attenuation of Prediction Errors. <i>Cerebral Cortex</i> , 2021 , 31, 2156-2168 | 5.1 | 1 |
| 65 | Deviance detection in sound frequency in simple and complex sounds in urethane-anesthetized rats. <i>Hearing Research</i> , 2021 , 399, 107814 | 3.9 | 2 |
| 64 | Coherence Between Brain Activation and Speech Envelope at Word and Sentence Levels Showed Age-Related Differences in Low Frequency Bands. <i>Neurobiology of Language (Cambridge, Mass)</i> , 2021 , 2, 226-253 | 2.6 | 1 |
| 63 | Neural Responses to Musical Rhythm in Chinese Children With Reading Difficulties. <i>Frontiers in Psychology</i> , 2020 , 11, 1013 | 3.4 | 1 |
| 62 | Attentional Processes in Children With Attentional Problems or Reading Difficulties as Revealed Using Brain Event-Related Potentials and Their Source Localization. <i>Frontiers in Human Neuroscience</i> , 2020 , 14, 160 | 3.3 | 3 |
| 61 | Rapid changes in brain activity during learning of grapheme-phoneme associations in adults. <i>NeuroImage</i> , 2020 , 220, 117058 | 7.9 | 4 |
| 60 | Context-dependent minimisation of prediction errors involves temporal-frontal activation. <i>NeuroImage</i> , 2020 , 207, 116355 | 7.9 | 3 |
| 59 | Dynamics of morphological processing in pre-school children with and without familial risk for dyslexia. <i>Journal of Neurolinguistics</i> , 2020 , 56, 100931 | 1.9 | 2 |
| 58 | Reproducibility of Brain Responses: High for Speech Perception, Low for Reading Difficulties. <i>Scientific Reports</i> , 2019 , 9, 8487 | 4.9 | 5 |
| 57 | Change detection to tone pairs during the first year of life - Predictive longitudinal relationships for EEG-based source and time-frequency measures. <i>NeuroImage</i> , 2019 , 198, 83-92 | 7.9 | 1 |
| 56 | Prior Precision Modulates the Minimization of Auditory Prediction Error. <i>Frontiers in Human Neuroscience</i> , 2019 , 13, 30 | 3.3 | 4 |
| 55 | Dynamics of brain activation during learning of syllable-symbol paired associations. <i>Neuropsychologia</i> , 2019 , 129, 93-103 | 3.2 | 4 |

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| 54 | Audiovisual Processing of Chinese Characters Elicits Suppression and Congruency Effects in MEG. <i>Frontiers in Human Neuroscience</i> , 2019 , 13, 18 | 3.3 | 9 |
| 53 | Top-Down Predictions of Familiarity and Congruency in Audio-Visual Speech Perception at Neural Level. <i>Frontiers in Human Neuroscience</i> , 2019 , 13, 243 | 3.3 | 1 |
| 52 | Influence of reading skill and word length on fixation-related brain activity in school-aged children during natural reading. <i>Vision Research</i> , 2019 , 165, 109-122 | 2.1 | 8 |
| 51 | Auditory-evoked potentials to changes in sound duration in urethane-anaesthetized mice. <i>European Journal of Neuroscience</i> , 2019 , 50, 1911-1919 | 3.5 | 6 |
| 50 | Attentional processes in typically developing children as revealed using brain event-related potentials and their source localization in Attention Network Test. <i>Scientific Reports</i> , 2019 , 9, 2940 | 4.9 | 5 |
| 49 | Passive exposure to speech sounds modifies change detection brain responses in adults. <i>NeuroImage</i> , 2019 , 188, 208-216 | 7.9 | 6 |
| 48 | The processing of mispredicted and unpredicted sensory inputs interact differently with attention. <i>Neuropsychologia</i> , 2018 , 111, 85-91 | 3.2 | 11 |
| 47 | Brain Responses to Letters and Speech Sounds and Their Correlations With Cognitive Skills Related to Reading in Children. <i>Frontiers in Human Neuroscience</i> , 2018 , 12, 304 | 3.3 | 8 |
| 46 | Brain event-related potentials to phoneme contrasts and their correlation to reading skills in school-age children. <i>International Journal of Behavioral Development</i> , 2018 , 42, 357-372 | 2.6 | 7 |
| 45 | Longitudinal interactions between brain and cognitive measures on reading development from 6 months to 14 years. <i>Neuropsychologia</i> , 2018 , 108, 6-12 | 3.2 | 31 |
| 44 | Semantic anomaly detection in school-aged children during natural sentence reading - A study of fixation-related brain potentials. <i>PLoS ONE</i> , 2018 , 13, e0209741 | 3.7 | 5 |
| 43 | Passive exposure to speech sounds induces long-term memory representations in the auditory cortex of adult rats. <i>Scientific Reports</i> , 2016 , 6, 38904 | 4.9 | 7 |
| 42 | Oscillatory Dynamics Underlying Perceptual Narrowing of Native Phoneme Mapping from 6 to 12 Months of Age. <i>Journal of Neuroscience</i> , 2016 , 36, 12095-12105 | 6.6 | 58 |
| 41 | The auditory N1 suppression rebounds as prediction persists over time. <i>Neuropsychologia</i> , 2016 , 84, 198-204 | 3.04 | 11 |
| 40 | Auditory event-related potentials over medial frontal electrodes express both negative and positive prediction errors. <i>Biological Psychology</i> , 2015 , 106, 61-7 | 3.2 | 1 |
| 39 | Distinctive Representation of Mispredicted and Unpredicted Prediction Errors in Human Electroencephalography. <i>Journal of Neuroscience</i> , 2015 , 35, 14653-60 | 6.6 | 49 |
| 38 | 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. <i>International Journal of Psychophysiology</i> , 2015 , 95, 101-12 | 2.9 | 22 |
| 37 | Dyslexia-Early Identification and Prevention: Highlights from the Jyväskylä Longitudinal Study of Dyslexia. <i>Current Developmental Disorders Reports</i> , 2015 , 2, 330-338 | 1.9 | 63 |

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| 36 | Event-related brain potentials to change in the frequency and temporal structure of sounds in typically developing 5-6-year-old children. <i>International Journal of Psychophysiology</i> , 2015 , 98, 413-25 | 2.9 | 6 |
| 35 | Electrophysiological correlates of cross-linguistic semantic integration in hearing signers: N400 and LPC. <i>Neuropsychologia</i> , 2014 , 59, 57-73 | 3.2 | 8 |
| 34 | Enhancement of brain event-related potentials to speech sounds is associated with compensated reading skills in dyslexic children with familial risk for dyslexia. <i>International Journal of Psychophysiology</i> , 2014 , 94, 298-310 | 2.9 | 14 |
| 33 | Both attention and prediction are necessary for adaptive neuronal tuning in sensory processing. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 152 | 3.3 | 44 |
| 32 | Repetition suppression comprises both attention-independent and attention-dependent processes. <i>NeuroImage</i> , 2014 , 98, 168-75 | 7.9 | 26 |
| 31 | Basic auditory processing deficits in dyslexia: systematic review of the behavioral and event-related potential/ field evidence. <i>Journal of Learning Disabilities</i> , 2013 , 46, 413-27 | 2.7 | 168 |
| 30 | Auditory event-related potentials measured in kindergarten predict later reading problems at school age. <i>Developmental Neuropsychology</i> , 2013 , 38, 550-66 | 1.8 | 28 |
| 29 | Temporal expectation and spectral expectation operate in distinct fashion on neuronal populations. <i>Neuropsychologia</i> , 2013 , 51, 2548-55 | 3.2 | 16 |
| 28 | Passive sound exposure induces rapid perceptual learning in musicians: event-related potential evidence. <i>Biological Psychology</i> , 2013 , 94, 341-53 | 3.2 | 14 |
| 27 | Validating rationale of group-level component analysis based on estimating number of sources in EEG through model order selection. <i>Journal of Neuroscience Methods</i> , 2013 , 212, 165-72 | 3 | 25 |
| 26 | Precursors and consequences of phonemic length discrimination ability problems in children with reading disabilities and familial risk for dyslexia. <i>Journal of Speech, Language, and Hearing Research</i> , 2013 , 56, 1462-75 | 2.8 | 7 |
| 25 | Separating mismatch negativity (MMN) response from auditory obligatory brain responses in school-aged children. <i>Psychophysiology</i> , 2013 , 50, 640-52 | 4.1 | 11 |
| 24 | Enhancement of gamma oscillations indicates preferential processing of native over foreign phonemic contrasts in infants. <i>Journal of Neuroscience</i> , 2013 , 33, 18746-54 | 6.6 | 39 |
| 23 | Basic auditory processing and developmental dyslexia in Chinese. <i>Reading and Writing</i> , 2012 , 25, 509-536 | 2.1 | 21 |
| 22 | Infant brain responses associated with reading-related skills before school and at school age. <i>Neurophysiologie Clinique</i> , 2012 , 42, 35-41 | 2.7 | 70 |
| 21 | Reduced phase locking to slow amplitude modulation in adults with dyslexia: an MEG study. <i>NeuroImage</i> , 2012 , 59, 2952-61 | 7.9 | 100 |
| 20 | Time course of ERP generators to syllables in infants: a source localization study using age-appropriate brain templates. <i>NeuroImage</i> , 2012 , 59, 3275-87 | 7.9 | 36 |
| 19 | Music training enhances rapid neural plasticity of n1 and p2 source activation for unattended sounds. <i>Frontiers in Human Neuroscience</i> , 2012 , 6, 43 | 3.3 | 44 |

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| 18 | Source localization of event-related potentials to pitch change mapped onto age-appropriate MRIs at 6 months of age. <i>NeuroImage</i> , 2011 , 54, 1910-8 | 7.9 | 36 |
| 17 | N1, P2 and T-complex of the auditory brain event-related potentials to tones with varying rise times in adults with and without dyslexia. <i>International Journal of Psychophysiology</i> , 2011 , 81, 51-9 | 2.9 | 12 |
| 16 | Auditory event-related potentials show altered hemispheric responses in dyslexia. <i>Neuroscience Letters</i> , 2011 , 498, 127-32 | 3.3 | 10 |
| 15 | Mismatch brain response to speech sound changes in rats. <i>Frontiers in Psychology</i> , 2011 , 2, 283 | 3.4 | 29 |
| 14 | 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, 269-80 | 3 | 23 |
| 13 | Determining the number of sources in high-density EEG recordings of event-related potentials by model order selection 2011 , | | 2 |
| 12 | Rise time perception and detection of syllable stress in adults with developmental dyslexia. <i>Journal of Memory and Language</i> , 2011 , 64, 59-73 | 3.8 | 72 |
| 11 | Newborn event-related potentials predict poorer pre-reading skills in children at risk for dyslexia. <i>Journal of Learning Disabilities</i> , 2010 , 43, 391-401 | 2.7 | 98 |
| 10 | 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. <i>Journal of Speech, Language, and Hearing Research</i> , 2010 , 53, 710-24 | 2.8 | 22 |
| 9 | Newborn brain event-related potentials revealing atypical processing of sound frequency and the subsequent association with later literacy skills in children with familial dyslexia. <i>Cortex</i> , 2010 , 46, 1362-76 | 3.8 | 124 |
| 8 | Common variance in amplitude envelope perception tasks and their impact on phoneme duration perception and reading and spelling in Finnish children with reading disabilities. <i>Applied Psycholinguistics</i> , 2009 , 30, 511-530 | 1.4 | 42 |
| 7 | ERP denoising in multichannel EEG data using contrasts between signal and noise subspaces. <i>Journal of Neuroscience Methods</i> , 2009 , 180, 340-51 | 3 | 3 |
| 6 | Event-related potentials to pitch and rise time change in children with reading disabilities and typically reading children. <i>Clinical Neurophysiology</i> , 2008 , 119, 100-15 | 4.3 | 55 |
| 5 | N1 and P2 components of auditory event-related potentials in children with and without reading disabilities. <i>Clinical Neurophysiology</i> , 2007 , 118, 2263-75 | 4.3 | 32 |
| 4 | Psychophysiology of developmental dyslexia: a review of findings including studies of children at risk for dyslexia. <i>Journal of Neurolinguistics</i> , 2005 , 18, 167-195 | 1.9 | 72 |
| 3 | Detection of sound rise time by adults with dyslexia. <i>Brain and Language</i> , 2005 , 94, 32-42 | 2.9 | 57 |
| 2 | Rapid changes in brain activity during learning of grapheme-phoneme associations in adults | | 1 |
| 1 | Early Identification and Prevention of Dyslexia: Results from a Prospective Follow-up Study of Children at Familial Risk for Dyslexia | | 20 |

