# Ingrid S Johnsrude

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 129 papers | 17,712 citations | 51 h-index | 133 g-index |
| 172 ext. papers | 19,752 ext. citations | 4.9 avg, IF | 6.61 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 129 | Musical instrument familiarity affects statistical learning of tone sequences. *Cognition*, **2022**, 218, 104948 | 3.5 | 0 |
| 128 | Neural Activity during Story Listening Is Synchronized across Individuals Despite Acoustic Masking.. *Journal of Cognitive Neuroscience*, **2022**, 1-18 | 3.1 | 0 |
| 127 | Age-related deficits in dip-listening evident for isolated sentences but not for spoken stories.. *Scientific Reports*, **2022**, 12, 5898 | 4.9 | 0 |
| 126 | Speech Perception Under Adverse Listening Conditions. *Springer Handbook of Auditory Research*, **2022**, 141-171 | 1.2 | |
| 125 | Sound level context modulates neural activity in the human brainstem. *Scientific Reports*, **2021**, 11, 22581 | 4.9 | 2 |
| 124 | Cortical Responses to the Amplitude Envelopes of Sounds Change with Age. *Journal of Neuroscience*, **2021**, 41, 5045-5055 | 6.6 | 4 |
| 123 | How Long Does It Take for a Voice to Become Familiar? Speech Intelligibility and Voice Recognition Are Differentially Sensitive to Voice Training. *Psychological Science*, **2021**, 32, 903-915 | 7.9 | 4 |
| 122 | Motor Planning Modulates Neural Activity Patterns in Early Human Auditory Cortex. *Cerebral Cortex*, **2021**, 31, 2952-2967 | 5.1 | 4 |
| 121 | Speech-evoked brain activity is more robust to competing speech when it is spoken by someone familiar. *NeuroImage*, **2021**, 237, 118107 | 7.9 | 0 |
| 120 | Sustained neural activity correlates with rapid perceptual learning of auditory patterns. *NeuroImage*, **2021**, 238, 118238 | 7.9 | 3 |
| 119 | A neural signature of regularity in sound is reduced in older adults. *Neurobiology of Aging*, **2021**, 109, 1-10 | 5.6 | 0 |
| 118 | A model of listening engagement (MoLE). *Hearing Research*, **2020**, 397, 108016 | 3.9 | 21 |
| 117 | Neural Responses and Perceptual Sensitivity to Sound Depend on Sound-Level Statistics. *Scientific Reports*, **2020**, 10, 9571 | 4.9 | 9 |
| 116 | The benefit to speech intelligibility of hearing a familiar voice. *Journal of Experimental Psychology: Applied*, **2020**, 26, 236-247 | 1.8 | 6 |
| 115 | Speech spoken by familiar people is more resistant to interference by linguistically similar speech. *Journal of Experimental Psychology: Learning Memory and Cognition*, **2020**, 46, 1465-1476 | 2.2 | 6 |
| 114 | Absorption and Enjoyment During Listening to Acoustically Masked Stories. *Trends in Hearing*, **2020**, 24, 2331216520967850 | 3.2 | 4 |
| 113 | Pupil Dilation Is Sensitive to Semantic Ambiguity and Acoustic Degradation. *Trends in Hearing*, **2020**, 24, 2331216520964068 | 3.2 | 4 |

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| 112 | An Auditory-Perceptual and Pupillometric Study of Vocal Strain and Listening Effort in Adductor Spasmodic Dysphonia. *Applied Sciences (Switzerland)*, **2020**, 10, 5907 | 2.6 | 1 |
| 111 | A novel approach to investigate subcortical and cortical sensitivity to temporal structure simultaneously. *Hearing Research*, **2020**, 398, 108080 | 3.9 | 1 |
| 110 | Neural signatures of temporal regularity processing in sounds differ between younger and older adults. *Neurobiology of Aging*, **2019**, 83, 73-85 | 5.6 | 13 |
| 109 | A Sound-Sensitive Source of Alpha Oscillations in Human Non-Primary Auditory Cortex. *Journal of Neuroscience*, **2019**, 39, 8679-8689 | 6.6 | 26 |
| 108 | Using spatial release from masking to estimate the magnitude of the familiar-voice intelligibility benefit. *Journal of the Acoustical Society of America*, **2019**, 146, 3487 | 2.2 | 1 |
| 107 | Semantic context improves speech intelligibility and reduces listening effort for listeners with hearing impairment. *International Journal of Audiology*, **2018**, 57, 483-492 | 2.6 | 16 |
| 106 | Aging Affects Adaptation to Sound-Level Statistics in Human Auditory Cortex. *Journal of Neuroscience*, **2018**, 38, 1989-1999 | 6.6 | 21 |
| 105 | Attentional Modulation of Envelope-Following Responses at Lower (93-109 Hz) but Not Higher (217-233 Hz) Modulation Rates. *JARO - Journal of the Association for Research in Otolaryngology*, **2018**, 19, 83-97 | 3.3 | 28 |
| 104 | Familiar Voices Are More Intelligible, Even if They Are Not Recognized as Familiar. *Psychological Science*, **2018**, 29, 1575-1583 | 7.9 | 22 |
| 103 | Attentional state modulates the effect of an irrelevant stimulus dimension on perception. *Journal of Experimental Psychology: Human Perception and Performance*, **2018**, 44, 89-105 | 2.6 | 11 |
| 102 | Combined effects of form- and meaning-based predictability on perceived clarity of speech. *Journal of Experimental Psychology: Human Perception and Performance*, **2018**, 44, 277-285 | 2.6 | 17 |
| 101 | Neural Signatures of the Processing of Temporal Patterns in Sound. *Journal of Neuroscience*, **2018**, 38, 5466-5477 | 6.6 | 14 |
| 100 | Generalization of Perceptual Learning of Degraded Speech Across Talkers. *Journal of Speech, Language, and Hearing Research*, **2017**, 60, 3334-3341 | 2.8 | 15 |
| 99 | Altered temporal dynamics of neural adaptation in the aging human auditory cortex. *Neurobiology of Aging*, **2016**, 45, 10-22 | 5.6 | 27 |
| 98 | Planning Ahead: Object-Directed Sequential Actions Decoded from Human Frontoparietal and Occipitotemporal Networks. *Cerebral Cortex*, **2016**, 26, 708-30 | 5.1 | 30 |
| 97 | Working Memory Training and Speech in Noise Comprehension in Older Adults. *Frontiers in Aging Neuroscience*, **2016**, 8, 49 | 5.3 | 25 |
| 96 | Factors That Increase Processing Demands When Listening to Speech **2016**, 491-502 | | 8 |
| 95 | Effects of a consistent target or masker voice on target speech intelligibility in two- and three-talker mixtures. *Journal of the Acoustical Society of America*, **2016**, 139, 1037-46 | 2.2 | 6 |

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| 94 | Neural Correlates of Predictive Saccades. *Journal of Cognitive Neuroscience*, **2016**, 28, 1210-27 | 3.1 | 8 |
| 93 | A review of causal mechanisms underlying the link between age-related hearing loss and cognitive decline. *Ageing Research Reviews*, **2015**, 23, 154-66 | 12 | 212 |
| 92 | Fusion analysis of functional MRI data for classification of individuals based on patterns of activation. *Brain Imaging and Behavior*, **2015**, 9, 149-61 | 4.1 | 9 |
| 91 | Joint sparse representation of brain activity patterns in multi-task fMRI data. *IEEE Transactions on Medical Imaging*, **2015**, 34, 2-12 | 11.7 | 19 |
| 90 | Cognitive, psychophysical, and neural correlates of vulvar pain in primary and secondary provoked vestibulodynia: a pilot study. *Journal of Sexual Medicine*, **2015**, 12, 1283-97 | 1.1 | 15 |
| 89 | An fMRI comparison of neural activity associated with recognition of familiar melodies in younger and older adults. *Frontiers in Neuroscience*, **2015**, 9, 356 | 5.1 | 14 |
| 88 | Fusion analysis of first episode depression: where brain shape deformations meet local composition of tissue. *NeuroImage: Clinical*, **2015**, 7, 114-21 | 5.3 | 6 |
| 87 | The eye as a window to the listening brain: neural correlates of pupil size as a measure of cognitive listening load. *NeuroImage*, **2014**, 101, 76-86 | 7.9 | 99 |
| 86 | Temporal-lobe morphology differs between healthy adolescents and those with early-onset of depression. *NeuroImage: Clinical*, **2014**, 6, 145-55 | 5.3 | 15 |
| 85 | The effects of working memory capacity and semantic cues on the intelligibility of speech in noise. *Journal of the Acoustical Society of America*, **2013**, 134, 2225-34 | 2.2 | 63 |
| 84 | Swinging at a cocktail party: voice familiarity aids speech perception in the presence of a competing voice. *Psychological Science*, **2013**, 24, 1995-2004 | 7.9 | 102 |
| 83 | Multivoxel patterns reveal functionally differentiated networks underlying auditory feedback processing of speech. *Journal of Neuroscience*, **2013**, 33, 4339-48 | 6.6 | 22 |
| 82 | The role of visual speech information in supporting perceptual learning of degraded speech. *Journal of Experimental Psychology: Applied*, **2012**, 18, 419-35 | 1.8 | 19 |
| 81 | Brain regions recruited for the effortful comprehension of noise-vocoded words. *Language and Cognitive Processes*, **2012**, 27, 1145-1166 | | 77 |
| 80 | Classification of individuals based on sparse representation of brain cognitive patterns: a functional MRI study. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2012**, 2012, 2688-91 | 0.9 | 4 |
| 79 | Behavioral and fMRI evidence that cognitive ability modulates the effect of semantic context on speech intelligibility. *Brain and Language*, **2012**, 122, 103-13 | 2.9 | 62 |
| 78 | **2012**, | | 5 |
| 77 | Human auditory cortex is sensitive to the perceived clarity of speech. *NeuroImage*, **2012**, 60, 1490-502 | 7.9 | 82 |

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| 76 | Rapid perceptual learning of noise-vocoded speech requires attention. *Journal of the Acoustical Society of America*, **2012**, 131, EL236-42 | 2.2 | 24 |
| 75 | Dissociating frontotemporal contributions to semantic ambiguity resolution in spoken sentences. *Cerebral Cortex*, **2012**, 22, 1761-73 | 5.1 | 70 |
| 74 | Effortful listening: the processing of degraded speech depends critically on attention. *Journal of Neuroscience*, **2012**, 32, 14010-21 | 6.6 | 227 |
| 73 | Is the link between anatomical structure and function equally strong at all cognitive levels of processing?. *Cerebral Cortex*, **2012**, 22, 1593-603 | 5.1 | 48 |
| 72 | Hemodynamic Imaging: Functional Magnetic Resonance Imaging. *Springer Handbook of Auditory Research*, **2012**, 129-162 | 1.2 | |
| 71 | Perceiving a stranger's voice as being one's own: a 'rubber voice' illusion?. *PLoS ONE*, **2011**, 6, e18655 | 3.7 | 17 |
| 70 | The influence of semantically related and unrelated text cues on the intelligibility of sentences in noise. *Ear and Hearing*, **2011**, 32, e16-25 | 3.4 | 57 |
| 69 | The continuity illusion does not depend on attentional state: FMRI evidence from illusory vowels. *Journal of Cognitive Neuroscience*, **2011**, 23, 2675-89 | 3.1 | 23 |
| 68 | Does semantic context benefit speech understanding through "top-down" processes? Evidence from time-resolved sparse fMRI. *Journal of Cognitive Neuroscience*, **2011**, 23, 3914-32 | 3.1 | 107 |
| 67 | Generalization of perceptual learning of vocoded speech. *Journal of Experimental Psychology: Human Perception and Performance*, **2011**, 37, 283-95 | 2.6 | 50 |
| 66 | Hierarchical processing for speech in human auditory cortex and beyond. *Frontiers in Human Neuroscience*, **2010**, 4, 51 | 3.3 | 100 |
| 65 | Functional overlap between regions involved in speech perception and in monitoring one's own voice during speech production. *Journal of Cognitive Neuroscience*, **2010**, 22, 1770-81 | 3.1 | 87 |
| 64 | Brain networks involved in haptic and visual identification of facial expressions of emotion: an fMRI study. *NeuroImage*, **2010**, 49, 1677-89 | 7.9 | 75 |
| 63 | A validation framework for probabilistic maps using Heschl's gyrus as a model. *NeuroImage*, **2010**, 50, 532-44 | 7.9 | 6 |
| 62 | The role of domain-general frontal systems in language comprehension: evidence from dual-task interference and semantic ambiguity. *Brain and Language*, **2010**, 115, 182-8 | 2.9 | 47 |
| 61 | Objective Measures of Auditory Scene Analysis **2010**, 507-519 | | 6 |
| 60 | Talkers alter vowel production in response to real-time formant perturbation even when instructed not to compensate. *Journal of the Acoustical Society of America*, **2009**, 125, 384-90 | 2.2 | 80 |
| 59 | Quantification of inter-subject variability in human brain: a validation framework for probabilistic maps **2009**, | | 3 |

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| 58 | Functional specialization and convergence in the occipito-temporal cortex supporting haptic and visual identification of human faces and body parts: an fMRI study. *Journal of Cognitive Neuroscience*, **2009**, 21, 2027-45 | 3.1 | 65 |
| 57 | Reducing inter-subject anatomical variation: effect of normalization method on sensitivity of functional magnetic resonance imaging data analysis in auditory cortex and the superior temporal region. *NeuroImage*, **2009**, 47, 1522-31 | 7.9 | 31 |
| 56 | A new approach for creating customizable cytoarchitectonic probabilistic maps without a template. *Lecture Notes in Computer Science*, **2009**, 12, 795-802 | 0.9 | 2 |
| 55 | Illusory vowels resulting from perceptual continuity: a functional magnetic resonance imaging study. *Journal of Cognitive Neuroscience*, **2008**, 20, 1737-52 | 3.1 | 43 |
| 54 | Functional imaging of the auditory processing applied to speech sounds. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2008**, 363, 1023-35 | 5.8 | 23 |
| 53 | A statistical atlas-based technique for automatic segmentation of the first Heschl's gyrus in human auditory cortex from MR images. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2008**, 2008, 3920-3 | 0.9 | |
| 52 | Perceptual learning of noise vocoded words: effects of feedback and lexicality. *Journal of Experimental Psychology: Human Perception and Performance*, **2008**, 34, 460-74 | 2.6 | 107 |
| 51 | Intact preference conditioning in acute intoxication despite deficient declarative knowledge and working memory. *Alcoholism: Clinical and Experimental Research*, **2007**, 31, 1800-10 | 3.7 | 15 |
| 50 | Do vegetative patients retain aspects of language comprehension? Evidence from fMRI. *Brain*, **2007**, 130, 2494-507 | 11.2 | 203 |
| 49 | Dissociating speech perception and comprehension at reduced levels of awareness. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 16032-7 | 11.5 | 202 |
| 48 | Hearing speech sounds: top-down influences on the interface between audition and speech perception. *Hearing Research*, **2007**, 229, 132-47 | 3.9 | 278 |
| 47 | Customised cytoarchitectonic probability maps using deformable registration: primary auditory cortex **2007**, 10, 760-8 | | 3 |
| 46 | Interleaved silent steady state (ISSS) imaging: a new sparse imaging method applied to auditory fMRI. *NeuroImage*, **2006**, 29, 774-82 | 7.9 | 89 |
| 45 | Locating the initial stages of speech-sound processing in human temporal cortex. *NeuroImage*, **2006**, 31, 1284-96 | 7.9 | 150 |
| 44 | The neural mechanisms of speech comprehension: fMRI studies of semantic ambiguity. *Cerebral Cortex*, **2005**, 15, 1261-9 | 5.1 | 442 |
| 43 | Residual auditory function in persistent vegetative state: a combined PET and fMRI study. *Neuropsychological Rehabilitation*, **2005**, 15, 290-306 | 3.1 | 94 |
| 42 | From sound to meaning: Hierarchical processing in speech comprehension **2005**, 298-305 | | |
| 41 | Lexical information drives perceptual learning of distorted speech: evidence from the comprehension of noise-vocoded sentences. *Journal of Experimental Psychology: General*, **2005**, 134, 222-41 | 4.7 | 332 |

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| 40 | Using a hierarchical approach to investigate residual auditory cognition in persistent vegetative state. *Progress in Brain Research*, **2005**, 150, 457-71 | 2.9 | 42 |
| 39 | Learning to like: a role for human orbitofrontal cortex in conditioned reward. *Journal of Neuroscience*, **2005**, 25, 2733-40 | 6.6 | 83 |
| 38 | Cognitive tasks for driving a brain-computer interfacing system: a pilot study. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, **2004**, 12, 48-54 | 4.8 | 83 |
| 37 | Somatotopic representation of action words in human motor and premotor cortex. *Neuron*, **2004**, 41, 301-7 | 13.9 | 1417 |
| 36 | Hierarchical processing in spoken language comprehension. *Journal of Neuroscience*, **2003**, 23, 3423-31 | 6.6 | 518 |
| 35 | Relationships between human auditory cortical structure and function. *Audiology and Neuro-Otology*, **2003**, 8, 1-18 | 2.2 | 73 |
| 34 | The neuroanatomical and functional organization of speech perception. *Trends in Neurosciences*, **2003**, 26, 100-7 | 13.3 | 562 |
| 33 | Preference formation and working memory in Parkinson's disease and normal ageing. *Neuropsychologia*, **2002**, 40, 317-26 | 3.2 | 10 |
| 32 | The problem of functional localization in the human brain. *Nature Reviews Neuroscience*, **2002**, 3, 243-9 | 13.5 | 981 |
| 31 | Detecting residual cognitive function in persistent vegetative state. *Neurocase*, **2002**, 8, 394-403 | 0.8 | 80 |
| 30 | Functional imaging of the auditory system: the use of positron emission tomography. *Audiology and Neuro-Otology*, **2002**, 7, 251-76 | 2.2 | 59 |
| 29 | Spectral and temporal processing in human auditory cortex. *Cerebral Cortex*, **2002**, 12, 140-9 | 5.1 | 169 |
| 28 | The processing of temporal pitch and melody information in auditory cortex. *Neuron*, **2002**, 36, 767-76 | 13.9 | 563 |
| 27 | Detecting Residual Cognitive Function in Persistent Vegetative State. *Neurocase*, **2002**, 8, 394-403 | 0.8 | 2 |
| 26 | Encoding of the temporal regularity of sound in the human brainstem. *Nature Neuroscience*, **2001**, 4, 633-7 | 25.5 | 172 |
| 25 | Imaging the mental components of a planning task. *Neuropsychologia*, **2001**, 39, 315-27 | 3.2 | 114 |
| 24 | A voxel-based morphometric study of ageing in 465 normal adult human brains. *NeuroImage*, **2001**, 14, 21-36 | 7.9 | 3734 |
| 23 | Cerebral asymmetry and the effects of sex and handedness on brain structure: a voxel-based morphometric analysis of 465 normal adult human brains. *NeuroImage*, **2001**, 14, 685-700 | 7.9 | 1060 |

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|---|---|---|---|
| 22 | Can meaningful effective connectivities be obtained between auditory cortical regions?. *NeuroImage*, **2001**, 14, 1353-60 | 7.9 | 54 |
| 21 | fMRI: applications to cognitive neuroscience **2001**, 312-329 | | 3 |
| 20 | Representation of the temporal envelope of sounds in the human brain. *Journal of Neurophysiology* , **2000**, 84, 1588-98 | 3.2 | 263 |
| 19 | Impaired preference conditioning after anterior temporal lobe resection in humans. *Journal of Neuroscience*, **2000**, 20, 2649-56 | 6.6 | 98 |
| 18 | Navigation-related structural change in the hippocampi of taxi drivers. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 4398-403 | 11.5 | 2108 |
| 17 | Functional specificity in the right human auditory cortex for perceiving pitch direction. *Brain*, **2000**, 123 ( Pt 1), 155-63 | 11.2 | 293 |
| 16 | Atlas of the Human Brain. *Journal of Psychophysiology*, **2000**, 14, 194-195 | 1 | |
| 15 | Conditioned Preference in Humans: A Novel Experimental Approach. *Learning and Motivation*, **1999**, 30, 250-264 | 1.3 | 31 |
| 14 | A cognitive activation study of memory for spatial relationships. *Neuropsychologia*, **1999**, 37, 829-41 | 3.2 | 74 |
| 13 | A common neural substrate for the analysis of pitch and duration pattern in segmented sound?. *NeuroReport*, **1999**, 10, 3825-30 | 1.7 | 134 |
| 12 | Identifying global anatomical differences: deformation-based morphometry. *Human Brain Mapping*, **1998**, 6, 348-57 | 5.9 | 282 |
| 11 | Obligatory role of the LIFG in synonym generation: evidence from PET and cortical stimulation. *NeuroReport*, **1997**, 8, 3275-9 | 1.7 | 31 |
| 10 | Left-hemisphere specialization for the processing of acoustic transients. *NeuroReport*, **1997**, 8, 1761-5 | 1.7 | 98 |
| 9 | Right medial temporal-lobe contribution to object-location memory. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **1997**, 352, 1469-74 | 5.8 | 71 |
| 8 | The effect of presentation rate on the comprehension and recall of speech after anterior temporal-lobe resection. *Neuropsychologia*, **1994**, 32, 77-84 | 3.2 | 5 |
| 7 | Effect of motivational context on conspecific song discrimination by brown-headed cowbirds (Molothrus ater). *Journal of Comparative Psychology (Washington, D C: 1983)*, **1994**, 108, 172-8 | 2.1 | 15 |
| 6 | ABSOLUTE AND RELATIVE PITCH PRODUCTION IN THE SONG OF THE WHITE-THROATED SPARROW (ZONO TRICHIA ALBICOLLIS). *Bioacoustics*, **1991**, 3, 81-91 | 1.6 | 9 |
| 5 | Absolute and Relative Pitch Production in the Song of the Black-Capped Chickadee. *Condor*, **1990**, 92, 118-124 | 2.1 | 74 |

# List of Publications

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| 4 | A voxel-based morphometric study of ageing in 465 normal adult human brains | 27 |
| 3 | The effects of aging on neural signatures of temporal regularity processing in sounds | 1 |
| 2 | Pupil dilation is sensitive to semantic ambiguity and acoustic degradation | 1 |
| 1 | A sound-sensitive source of alpha oscillations in human non-primary auditory cortex | 1 |