

Curriculum Vitae Prof. dr. Jean Vroomen

Born: January 16, 1961 in Kerkrade, the Netherlands

Married to Elise van Cleef, 2 children



Current address

Department of Cognitive Neuropsychology, Tilburg University, Room S211

Warandelaan 2, 5000 LE Tilburg, the Netherlands

Phone: +31-466 2394

Email: j.vroomen@tilburguniversity.edu

Links: [Personal](#)

[Department](#)

[GoogleScholar](#) (h-index = 55; >11.400 citations)

[ResearchGate](#) (>8900 citations; RGScore >41.3; >98.5% of all RGmembers)

[Publons](#): (h-index = 39; >5370 ISI-citations)

Academic training

Ph.D. Experimental Psychology, Tilburg University, Tilburg 1992 (*cum laude*)

M.A. Experimental Psychology, Tilburg University, Tilburg, 1987 (*cum laude*)

M.A. Physical Education, KALO, Tilburg, 1983

Employment

2006- present Full professor in Cognitive Psychology (Functieleer), Tilburg University

2002 - 2006 Associate professor (UHD), Tilburg University

1992 - 2002 Assistant professor (UD), Tilburg University

1991 -1992 Senior researcher at the Institute for Perception Research (IPO), Eindhoven

Fellowships and Awards

- 2014 - 2018 A PhD-grant for 'Perception of multidimensional sounds in humans and birds: Are speech categories special?' with Carel ten Cate and Elia Formisano (\pm 250.000 Euro) from NWO-Gravity 'Language in Interaction'.
- 2013 – 2023 Principal Investigator in NWO-Gravity proposal '[Language in interaction](#)' (Main applicant: Peter Hagoort, Donders Institute, Nijmegen (\pm 27.6 M Euro))
- 2002 - 2007 Vidi-grant of Netherlands Organisation for Scientific Research (NWO) for research on the cross-modal perception of space (\pm 660.00 Euro)
- 1992 – 1997 Fellowship of the Royal Dutch Academy of Arts and Sciences (KNAW) for research on language-specific aspects of spoken word recognition (\pm 240.000 Euro)

Supervision of PhDs/Master

As Promoter (or Co-promoter): 11 PhD thesis in total

Burgering, M. (2021). The multidimensionality of speech categorization: Exploring shared mechanisms in songbirds together with audiovisual and neural mechanisms in humans.

van Laarhoven, T (2021). Electrophysiological markers of predictive coding in multisensory integration and autism spectrum disorder.

Mansfield, K. (2019). Testing the flexibility of cognitive control using electrophysiological correlates of stimulus-response compatibility.

de Boer-Schellekens, L. (2013). The 'rehabilitating' effect of sounds: Studies on audiovisual integration in autism, schizophrenia, dyslexia and aging.

Ley, A. (2013). Learning to abstract: How short-term experience shapes neural sound representations.

Baart, M. (2012). Phonetic recalibration in audiovisual speech.

van Linden, S. (2007) Recalibration of auditory phoneme perception by lipread and lexical information.

Keetels, M. (2007). Intersensory pairing in the temporal domain.

Frissen, I. (2005). Visual recalibration of auditory spatial perception. (Co-)

Tuomainen, J. ((2001). Language specific cues to segmentation of spoken words in Finish. (Co-)

van Zon, M (1997) Speech processing in Dutch: A cross-linguistic approach. (Co-)

As External member of PhD-committees: 35 PhD's in total

As Supervisor of Bachelor or Master thesis: ~15 Master thesis per year; ~250 in total

Teaching activities (selection)

- 1992 – present Teacher Introductory course ‘Cognitive psychology’, Tilburg University, the Netherlands
- 1990 – 1994 Teacher Master course ‘Artificial intelligence and Knowledge representation’, Tilburg University, the Netherlands
- 1994 – 1998 Teacher Master course ‘Cognition’, Tilburg University, the Netherlands

Organisation of scientific meetings

- 2014 Main organizer of the 15th International Multisensory Research Forum (IMRF2014), Amsterdam, the Netherlands, June 11th – June 14th, 2014
- 2007 Main organizer of the International Conference on Audio-Visual Speech Processing (AVSP2007), Hilvarenbeek, The Netherlands, August 31 – Sep 2, 2007
- 2011 Symposium organizer on ‘Auditory learning’ at 17th Meeting of the European Society for Cognitive Psychology (ES COP 2011), Donostia - San Sebastián, Spain, September 29th - October 2nd, 2011
- 1992 - Numerous (>25) small-scale symposia and local conferences

Institutional responsibilities

- 2013 – present Head of the Department Cognitive Neuropsychology, Tilburg University
- 2006 - 2012 Head of the Department Medische Psychologie & Neuropsychologie/ section Neuropsychologie
- 2006 – 2012 Director of the Educational Bachelor program Psychology, Tilburg University
- 2010 – 2016 Member of the Advisory Board for Individual Research Grants, Tilburg University
- 1992 – present Faculty member, Tilburg University, the Netherlands

Commissions of trust

- 2022 Member of the NVAO accrediting program for Research masters
- 2022 Member of the NWO ‘Vidi-program’ board
- 2021 Member of the NWO ‘Vidi-program’ board
- 2017 Member of the NWO ‘Research Talent’ board
- 2014 Editor ‘Experimental Brain Research’, special issue on ‘Multisensory processing’
- 2014 – present Associate Editor ‘Frontiers in Human Neuroscience’

2007 – 2008	Associate Editor ‘Perception & Psychophysics’
2004 – 2007	Consulting Editor ‘Perception & Psychophysics’
1999 – present	Member editorial board ‘Journal of Experimental Psychology: Human Perception and Performance’
2008 – 2021	Member editorial board ‘Acta Psychologica’
Ad hoc reviewer:	Biological Psychology, Cognitive Brain Research, Cognitive Psychology, Cognition, Current Biology, Developmental Psychology, Emotion, Experimental Brain Research, Journal of Neurophysiology, Journal of Experimental Psychology: Human Perception and Performance, Journal of Cognitive Neuroscience, Journal of Memory and Language, Nature, Neuropsychologia, Neuroimage, Memory and Cognition, Psychological Science, Psychophysiology, Trends in Cognitive Science, Vision Research
2000 – 2013	President of the Audio-Visual Speech Association (AVISA)
2012 – present	Member of the Scientific board of the National Aerospace Laboratory (NLR)
2004 – 2006	Member of ‘College van referenten’, NWO
2006 – present	Grant reviewer of various Veni and Vidi-grants for NWO
2005, 2014	Member of Research Council for Culture and Society, Academy of Finland

Memberships of scientific societies

Member of: Psychonomic Society, Audiovisual Speech Association (AVISA; first president), European Society for Cognitive Psychology (ESCOP), American Psychological Society, Dutch Psychonomic Society.

Major collaborations

Prof. dr. Elia Formisano, *fMRI*, University of Maastricht, Maastricht, the Netherlands
Dr. Jeroen Stekelenburg, *EEG*, Tilburg University, the Netherlands
Dr. Mirjam Keetels, *Psychophysics*, Tilburg University, the Netherlands
Prof. Dr. Heather Bortfeld, *Infants*, University of Connecticut, USA
Dr Martijn Baart, *Children*, Basque Center on Cognition, Brain and Language, Spain
Mart Eussen (MD), *Autism*, Julius Academie, Rotterdam, the Netherlands

Contributions to society

Citations and Impact on the field

Jean Vroomen published more than 150 peer reviewed papers (30 papers as first author, 70 papers as a senior author) and 15 book chapters (reviewed). He published in Journal of Experimental Psychology: Human Perception and Performance (7 papers), Neuropsychologia (5), Cognition (3), and Psychological Science (2). These journals lay at the heart of Experimental Psychology. In recent years he also published in neuro-oriented journals.

Refereed publications (international)

132. Revers, H., van Deun, K., Strijbosch, W., **Vroomen, J.**, & Bastiaansen, M. (2022). Decoding the neural responses to experiencing disgust and sadness. *Brain Research*.
<https://doi.org/10.1016/j.brainres.2022.148034>. (IF = 3.252) ([pdf](#))
131. Turk, E., **Vroomen, J.**, Fonken, Y., Levy, J., van den Heuvel, M. I. (2022). In sync with your child: The potential of parent-child EEG in developmental research. *Developmental Psychobiology*,
<https://doi.org/10.1002/dev.22221>. (IF = 3.038) ([pdf](#))
130. van Laarhoven, T., Stekelenburg, J. J., & **Vroomen, J.** (2021). Suppression of the auditory N1 by visual anticipatory motion is modulated by temporal and identity predictability. *Psychophysiology*,
<https://doi.org/10.1111/psyp.13749> (IF = 3.692) ([pdf](#))
129. **Vroomen, J.**, & Stekelenburg, J. J. (2021). Comment on “Differential Effects of the Temporal and Spatial Distribution of Audiovisual Stimuli on Cross-Modal Spatial Recalibration”. *European Journal of Neuroscience*,
<https://doi.org/10.1111/ejn.15001> (IF = 3.115) ([pdf](#))
128. McLean, M. A., Van den Bergh, B. R. H., Baart, M., **Vroomen, J.**, & van den Heuvel, M. I. (2020). The late positive potential (LPP): A neural marker of internalizing problems in early childhood. *International Journal of Psychophysiology*. <https://doi.org/10.1016/j.ijpsycho.2020.06.005> (IF = 2.407) ([pdf](#))
127. **Vroomen, J.**, & Keetels, M. (2020). Perception of causality and synchrony dissociate in the audiovisual bounce-inducing effect (ABE). *Cognition*, 204, 104340. <https://doi.org/10.1016/j.cognition.2020.104340> (IF = 3.537) ([pdf](#))
126. Bastiaansen, M., Berberyan, H., Stekelenburg, J. J., Schoffelen, J. M., & **Vroomen, J.** (2020). Are alpha oscillations instrumental in multisensory synchrony perception? *Brain Research*, 146744.
<https://doi.org/10.1016/j.brainres.2020.146744> (IF = 2.937) ([pdf](#))
125. Burgering, M., van Laarhoven, T., Baart, M., & **Vroomen, J.** (2020). Fluidity in the perception of auditory speech: Cross-modal recalibration of voice gender and vowel identity by a talking face. *Quarterly Journal of Experimental Psychology*, 174702181990088. <https://doi.org/10.1177/1747021819900884>. (IF = 2.488) ([pdf](#))
124. van Laarhoven, T., Stekelenburg, J. J., Eussen, M. L., & **Vroomen, J.** (2020). Atypical visual-auditory predictive coding in autism spectrum disorder: Electrophysiological evidence from stimulus omissions. *Autism*, 136236132092606. <https://doi.org/10.1177/1362361320926061> (IF = 4.724) ([pdf](#))
123. Drewing, K., Hartmann, F., & **Vroomen, J.** (2019). The crossed-hands deficit in temporal order judgments occurs for present, future, and past hand postures. In 2019 IEEE World Haptics Conference, WHC 2019 (pp. 145–150). Institute of Electrical and Electronics Engineers Inc. <https://doi.org/10.1109/WHC.2019.8816125> ([pdf](#))

122. Lindborg, A., Baart, M., Stekelenburg, J. J., **Vroomen, J.**, & Andersen, T. S. (2019). Speech-specific audiovisual integration modulates induced theta-band oscillations. PLOS ONE, 14(7), e0219744. doi.org/10.1371/journal.pone.0219744 (IF = 2.766) ([pdf](#))
121. van Laarhoven, T., Stekelenburg, J. J., & **Vroomen, J.** (2019). Increased sub-clinical levels of autistic traits are associated with reduced multisensory integration of audiovisual speech. Scientific Reports, 9 doi.org/10.1038/s41598-019-46084-0 (IF = 4.525) ([pdf](#))
120. McQueen, J. M., Eisner, F., Burgering, M. A., & **Vroomen, J.** (2019). Specialized Memory Systems for Learning Spoken Words. Journal of Experimental Psychology: Learning Memory and Cognition. <https://doi.org/10.1037/xlm0000704> (IF = 2.319) ([pdf](#))
119. van Laarhoven, T., Stekelenburg, J. J., Eussen, M. L. J. M., & **Vroomen, J.** (2019). Electrophysiological alterations in motor - auditory predictive coding in autism spectrum disorder. Autism Research, 12(4), 589 – 599. <https://doi.org/10.1002/aur.2087> (IF = 3.768) ([pdf](#))
118. Burgering, M. A., **Vroomen, J.**, & ten Cate, C. (2019). Zebra finches (*Taeniopygia guttata*) can categorize vowel-like sounds on both the fundamental frequency (“pitch”) and spectral envelope. Journal of Comparative Psychology, 133(1), 106–117. <https://doi.org/10.1037/com0000143> (IF = 2.268) ([pdf](#))
117. Keetels, M., Bonte, M., & **Vroomen, J.** (2018). A selective deficit in phonetic recalibration by text in developmental dyslexia. Frontiers in Psychology: Language Sciences, 9, article 710. [doi:10.3389/fpsyg.2018.00710](https://doi.org/10.3389/fpsyg.2018.00710) (IF = 2.323). ([pdf](#))
116. Baart, M., & **Vroomen, J.** (2018). Recalibration of vocal affect by a dynamic face. Experimental Brain Research, 236, 1911-1918. [doi:10.1007/s00221-018-5270-y](https://doi.org/10.1007/s00221-018-5270-y) (IF = 1.917). ([pdf](#))
115. Stekelenburg, J. J., Keetels, M. N., & **Vroomen, J.** (2018). Multisensory integration of speech sounds with letters versus visual speech: Only visual speech induces the mismatch negativity (MMN). European Journal of Neuroscience, 47, 1135-1145. (IF = 2.941). ([pdf](#))
114. Burgering, M. A., ten Cate, C., **Vroomen, J.** (2018). Mechanisms underlying speech sound discrimination and categorization in humans and zebra finches. Animal Cognition, 21, 285-299 (IF = 2.209). [Doi:10.1007/s10071-018-1165-3](https://doi.org/10.1007/s10071-018-1165-3) ([pdf](#))
113. Sugano, Y., Keetels, M., & **Vroomen, J.** (2017). Audio-motor but not visuo-motor temporal recalibration speeds up sensory processing. PLOS ONE, 12, article e12504. [doi:/10.1371/journal.pone.0189242](https://doi.org/10.1371/journal.pone.0189242) (IF = 2.806). ([pdf](#))
112. Bonte, M., Correia, J., Keetels, M., **Vroomen, J.**, and Formisano, E. (2017). Reading-induced shifts of perceptual speech representations in auditory cortex. Scientific Reports, 7, article 5143. [doi:10.1038/s41598-017-05356-3](https://doi.org/10.1038/s41598-017-05356-3) (IF = 5.228). ([pdf](#))
111. van Laarhoven, T., Stekelenburg, J. J., & **Vroomen, J.** (2017). Temporal and identity prediction in visual-auditory events: Electrophysiological evidence from stimulus omissions. Brain Research, 1661, 79-87. [doi:10.1016/j.brainres.2017.02.014](https://doi.org/10.1016/j.brainres.2017.02.014) (IF = 2.561). ([pdf](#))
110. van Laarhoven, T., Keetels, M., Schakel, L., & **Vroomen, J.** (2016). Audio-visual speech in noise perception in dyslexia. Developmental Science, xx, xxx-xxx. . [doi:10.1111/desc.12504](https://doi.org/10.1111/desc.12504) (IF = 3.982). ([pdf](#))
109. Talsma, D., & **Vroomen, J.** (2016). Introduction to the Special Issue on Multisensory Processing. Experimental Brain Research, 235, 1161. [doi:10.1007/s00221-016-4626-4](https://doi.org/10.1007/s00221-016-4626-4) (IF = 2.036). ([pdf](#))
108. Keetels, M., Stekelenburg, J. J., & **Vroomen, J.** (2016). A spatial gradient in phonetic recalibration by lipread speech. Journal of Phonetics, 56, 124-130. [doi:10.1016/j.wocn.2016.02.005](https://doi.org/10.1016/j.wocn.2016.02.005) (IF = 1.598) ([pdf](#))

107. Keetels, M., Schakel, L., Bonte, M., & **Vroomen, J.** (2016). Phonetic recalibration of speech by text. *Attention, Perception & Psychophysics*, 78, 938-945. [doi:10.3758%2Fs13414-015-1034-y](https://doi.org/10.3758%2Fs13414-015-1034-y) (IF = 2.168) ([pdf](#))
106. Sugano, Y., Keetels, M. N., & **Vroomen, J.** (2016). Auditory dominance in motor-sensory temporal recalibration. *Experimental Brain Research*, 234, 1249-1262. [doi:10.1007/s00221-015-4497-0](https://doi.org/10.1007/s00221-015-4497-0) (IF = 2.036) ([pdf](#))
105. Swerts, M., & **Vroomen, J.** (2015). Accent shifts in spoken noun phrases affect verification latencies of listeners in Dutch but not Canadian French. *Journal of Phonetics*, 52, 170-182. [doi:10.1016/j.wocn.2015.07.005](https://doi.org/10.1016/j.wocn.2015.07.005) (IF = 1.598) ([pdf](#))
104. Keetels, M., Pecoraro, M., & **Vroomen, J.** (2015). Recalibration of auditory phonemes by lipread speech is ear-specific. *Cognition*, 141, 121-126. doi.org/10.1016/j.cognition.2015.04.019 (IF = 3.634) ([pdf](#))
103. Stekelenburg, J. J., & **Vroomen, J.** (2015). Predictive coding of visual-auditory and motor-auditory events: An electrophysiological study. *Brain Research*, 1626, 88 – 96. [doi:10.1016/j.brainres.2015.01.036](https://doi.org/10.1016/j.brainres.2015.01.036) (IF = 2.828) ([pdf](#))
102. Baart, M., Bortfeld, H., & **Vroomen, J.** (2015). Phonetic matching of auditory and visual speech develops during childhood: Evidence from sine-wave speech. *Journal of Experimental Child Psychology*, 129, 157-164. [doi:10.1016/j.jecp.2014.08.002](https://doi.org/10.1016/j.jecp.2014.08.002) (IF = 2.635) ([pdf](#))
101. Ley, A., **Vroomen, J.**, & Formisano, E. (2014). How learning to abstract shapes neural sound representations. *Frontiers in Neuroscience: Auditory Cognitive Neuroscience*, 8. [doi:10.3389/fnins.2014.00132](https://doi.org/10.3389/fnins.2014.00132) (IF=NA) ([pdf](#))
100. **Vroomen, J.** & Stekelenburg, J. J. (2014). A bias-free two-alternative forced choice procedure to examine intersensory illusions applied to the ventriloquist effect by flashes and averted eye-gazes. *European Journal of Neuroscience*, 39, 1491-1498. [doi:10.1111/ejn.12525](https://doi.org/10.1111/ejn.12525) (IF = 3.753) ([pdf](#))
99. Baart, M., **Vroomen, J.**, Shaw, K., & Bortfeld, H. (2014). Degrading phonetic information affects matching of audiovisual speech in adults, but not in infants. *Cognition*, 130, 31-43. [doi:10.1016/j.cognition.2013.09.006](https://doi.org/10.1016/j.cognition.2013.09.006) (IF = 3.523). ([pdf](#))
98. Baart, M., Stekelenburg, J. J., **Vroomen, J.** (2014). Electrophysiological evidence for speech-specific audiovisual Integration. *Neuropsychologia*, 53, 115-121. [doi:10.1016/j.neuropsychologia.2013.11.011](https://doi.org/10.1016/j.neuropsychologia.2013.11.011) (IF = 3.477) ([pdf](#))
97. de Boer-Schellekens, & **Vroomen, J.** (2014). Multisensory integration compensates loss of sensitivity of visual temporal order in the elderly. *Experimental Brain Research*. 232, 253-262. [doi:10.1007/s00221-013-3736-5](https://doi.org/10.1007/s00221-013-3736-5) (IF = 2.221) ([pdf](#))
96. Sugano, Y., Keetels, M., & **Vroomen, J.** (2014). Concurrent sensorimotor temporal recalibration to different lags for the left and right hand. *Frontiers in Psychology*, 5:140. [doi:10.3389/fpsyg.2014.00140](https://doi.org/10.3389/fpsyg.2014.00140) (IF = NA) ([pdf](#))
95. de Boer-Schellekens, L., Stekelenburg, J. J., Maes, J. P., van Gool, A. R., & **Vroomen, J.** (2014). Sound improves diminished visual temporal sensitivity in schizophrenia. *Acta Psychologica*. 147, 136-142. [doi:10.1016/j.actpsy.2013.06.013](https://doi.org/10.1016/j.actpsy.2013.06.013) (IF = 2.206) ([pdf](#))
94. Zouridakis, G., Baart, M., Stekelenburg, J. J., & **Vroomen, J.** (2013). Speech perception: single trial analysis of the N1/P2 complex of unimodal and audiovisual evoked responses. *Proceedings of the 13th IEEE International Conference on Bioinformatics and Bioengineering*, (paper ID 165), Chania, Greece. [doi:10.1109/BIBE.2013.6701590](https://doi.org/10.1109/BIBE.2013.6701590) ([pdf](#))

93. de Boer, L., Keetels, M., Eussen, M., **Vroomen, J.** (2013). No evidence for impaired multisensory integration of low-level audiovisual stimuli in adolescents and young adults with autism spectrum disorders. *Neuropsychologia*, 51, 3004-3013. [doi:10.1016/j.neuropsychologia.2013.10.005](https://doi.org/10.1016/j.neuropsychologia.2013.10.005) (IF = 3.477) ([pdf](#))
92. Hidaka, S., Teramoto, W., Keetels, M., & **Vroomen, J.** (2013). Effect of pitch-space correspondence on sound-induced visual motion perception. *Experimental Brain Research*, 231, 117-126. [doi:10.1007/s00221-013-3674-2](https://doi.org/10.1007/s00221-013-3674-2) (IF = 2.221) ([pdf](#))
91. Stekelenburg, J. J., Maes, J. P., van Gool, A. R., Sitskoorn, M., & **Vroomen, J.** (2013). Deficient multisensory integration in schizophrenia: An event-related potential study. *Schizophrenia Research*, 147, 253-261. [doi:10.1016/j.schres.2013.04.038](https://doi.org/10.1016/j.schres.2013.04.038) (IF = 4.748) ([pdf](#))
90. Chen, L., & **Vroomen, J.** (2013). Intersensory binding across space and time: A tutorial review. *Attention, Perception, & Psychophysics*, 75, 790-811. [doi:10.3758/s13414-013-0475-4](https://doi.org/10.3758/s13414-013-0475-4) (IF = 2.039) ([pdf](#))
89. de Boer-Schellekens, L., Eussen, M., & **Vroomen, J.** (2013). Diminished sensitivity of audiovisual temporal order in autism spectrum disorder. *Frontiers in Integrative Neuroscience*, 7:8. [doi:10.3389/fnint.2013.00008](https://doi.org/10.3389/fnint.2013.00008) (IF = NA) ([pdf](#))
88. Ley, A., **Vroomen, J.**, Hausfeld, L., Valente, G., de Weerd, P., & Formisano, E. (2012). Learning of new sound categories shapes neural response patterns in human auditory cortex. *The Journal of Neuroscience*, 32, 13273-13280. [doi:10.1523/JNEUROSCI.0584-12.2012](https://doi.org/10.1523/JNEUROSCI.0584-12.2012) (IF = 7.115) ([pdf](#))
87. Sugano, Y., Keetels, M., & **Vroomen, J.** (2012). The build-up and transfer of sensorimotor temporal recalibration measured via a synchronization task. *Frontiers in Perception Science*. [doi:10.3389/fpsyg.2012.00246](https://doi.org/10.3389/fpsyg.2012.00246) (IF = NA) ([pdf](#))
86. Stekelenburg, J. J., & **Vroomen, J.** (2012). Electrophysiological correlates of predictive coding of auditory location in the perception of natural audiovisual events. *Frontiers in Integrative Neuroscience*. 6. [doi:10.3389/fnint.2012.00026](https://doi.org/10.3389/fnint.2012.00026) (IF = NA) ([pdf](#))
85. Keetels, M., & **Vroomen, J.** (2012). Exposure to delayed visual feedback of the hand changes motor-sensory synchrony perception. *Experimental Brain Research*, 219, 431-440. [doi:10.1007/s00221-012-3081-0](https://doi.org/10.1007/s00221-012-3081-0) (IF = 2.296) ([pdf](#))
84. Baart, M., de Boer-Schellekens, L. & **Vroomen, J.** (2012). Lipread-induced phonetic recalibration in dyslexia. *Acta Psychologica*, 140, 91-95. [doi:10.1016/j.actpsy.2012.03.003](https://doi.org/10.1016/j.actpsy.2012.03.003) (IF = 2.246) ([pdf](#))
83. Stekelenburg, J. J., & **Vroomen, J.** (2012). Electrophysiological evidence for a multisensory speech-specific mode of perception. *Neuropsychologia*, 50, 1425-1431. [doi:10.1016/j.neuropsychologia.2012.02.027](https://doi.org/10.1016/j.neuropsychologia.2012.02.027) (IF = 3.949) ([pdf](#))
82. de Boer-Schellekens, L., & **Vroomen, J.** (2012). Sound can improve visual search in developmental dyslexia. *Experimental Brain Research*, 216, 243-248. [doi:10.1007/s00221-011-2926-2](https://doi.org/10.1007/s00221-011-2926-2) (IF = 2.296) ([pdf](#))
81. Frissen, I., **Vroomen, J.**, & de Gelder, B. (2012). The aftereffects of ventriloquism: The time course of the visual recalibration of auditory localization. *Seeing and Perceiving*, 25, 1-14. [doi:10.1163/187847611X620883](https://doi.org/10.1163/187847611X620883) (IF = NA) ([pdf](#))
80. Kilian-Hütten, N., **Vroomen, J.**, & Formisano, E. (2011). Brain activation during audiovisual exposure anticipates future perception of ambiguous speech. *NeuroImage*, 57, 1601-1607. [doi:10.1016/j.neuroimage.2011.05.043](https://doi.org/10.1016/j.neuroimage.2011.05.043) (IF = 5.739) ([pdf](#))
79. Stekelenburg, J. J., Sugano, Y., & **Vroomen, J.** (2011). Neural correlates of motor-sensory temporal recalibration. *Brain Research*, 1397, 46-54. [doi:10.1016/j.brainres.2011.04.045](https://doi.org/10.1016/j.brainres.2011.04.045) (IF = 2.463) ([pdf](#))

78. Schouten, B., Troje, N. F., **Vroomen, J.**, & Verfaillie, K. (2011). The effect of looming and receding sounds on the perceived in-depth orientation of depth-ambiguous biological motion figures. PLoS ONE, 6(2), e14725. [doi:10.1371/journal.pone.0014725](https://doi.org/10.1371/journal.pone.0014725) (IF = 4.351) ([pdf](#))
77. Kilian-Hütten, N., Valente, G., **Vroomen, J.**, & Formisano, E. (2011). Auditory cortex encodes the perceptual interpretation of ambiguous sound. The Journal of Neuroscience, 31, 1715-1720. [doi:10.1523/JNEUROSCI.4572-10.2011](https://doi.org/10.1523/JNEUROSCI.4572-10.2011) (IF = 7.178) ([pdf](#))
76. **Vroomen, J.**, & Stekelenburg, J. J. (2011). Perception of intersensory synchrony in audiovisual speech: Not that special. Cognition, 118, 78-86. [doi:10.1016/j.cognition.2010.10.002](https://doi.org/10.1016/j.cognition.2010.10.002) (IF = 3.562) ([pdf](#))
75. Keetels, M., & **Vroomen, J.** (2011). No effect of synesthetic congruency on temporal ventriloquism. Attention, Perception, & Psychophysics, 73, 209-218. [doi:10.3758/s13414-010-0019-0](https://doi.org/10.3758/s13414-010-0019-0) (IF = 1.424) ([pdf](#))
74. Keetels, M., & **Vroomen, J.** (2011). Sound affects the speed of visual processing. Journal of Experimental Psychology: Human Perception and Performance, 37, 699-709. [doi:10.1037/a0020564](https://doi.org/10.1037/a0020564) (IF = 2.947) ([pdf](#))
73. **Vroomen, J.** (2010). Causal inference in audiovisual speech: Comment on "Crossmodal influences on visual perception" by L. Shams. Physics of Life Reviews, 7, 289-290. [doi:10.1016/j.plrev.2010.06.010](https://doi.org/10.1016/j.plrev.2010.06.010) (IF = 2.545) ([pdf](#))
72. Baart, M., & **Vroomen, J.** (2010). Phonetic recalibration does not depend on working memory. Experimental Brain Research, 203, 575 - 582. [doi:10.1007/s00221-010-2264-9](https://doi.org/10.1007/s00221-010-2264-9) (IF = 2.195) ([pdf](#))
71. Baart, M., & **Vroomen, J.** (2010). Do you see what you're hearing?: Crossmodal effects of speech sounds on lipreading. Neuroscience Letters, 471, 100-103. [doi:10.1016/j.neulet.2010.01.019](https://doi.org/10.1016/j.neulet.2010.01.019) (IF = 2.200) ([pdf](#))
70. **Vroomen, J.**, & Keetels, M. (2010). Perception of intersensory synchrony: A tutorial review. Attention, Perception, & Psychophysics, 72, 871-884. [doi:10.3758/APP.72.4.871](https://doi.org/10.3758/APP.72.4.871) (IF = 1.424) ([pdf](#))
69. Sugano, Y., Keetels, M., & **Vroomen, J.** (2010). Adaptation to motor-visual and motor-auditory temporal lags transfer across modalities. Experimental Brain Research, 201, 393-399. [doi:10.1007/s00221-009-2047-3](https://doi.org/10.1007/s00221-009-2047-3) (IF = 2.195) ([pdf](#))
68. **Vroomen, J.**, & Stekelenburg, J. J. (2010). Visual anticipatory information modulates multisensory interactions of artificial audiovisual stimuli. Journal of Cognitive Neuroscience, 22, 1583-1596. [doi:10.1162/jocn.2009.21308](https://doi.org/10.1162/jocn.2009.21308) (IF = 4.997) ([pdf](#))
67. **Vroomen, J.**, & de Gelder, B. (2009). In memory of Paul Bertelson (1926-2008). Brain Topography, 21, 155-156. (IF = 1.179) ([pdf](#))
66. Stekelenburg, J. J., & **Vroomen, J.** (2009). Neural correlates of audiovisual motion capture. Experimental Brain Research, 198, 383-390. (IF = 2.195) ([pdf](#))
65. **Vroomen, J.**, & Baart, M. (2009). Phonetic recalibration only occurs in speech mode. Cognition, 110, 254-259. (IF = 3.481) ([pdf](#))
64. **Vroomen, J.**, & Keetels, M. (2009). Sounds change four-dot masking. Acta Psychologica, 130, 58-63. (IF = 2.155) ([pdf](#))
63. **Vroomen, J.**, & Baart, M. (2009). Recalibration of phonetic categories by lipread speech: Measuring aftereffects after a 24-hour delay. Language and Speech, 52, 341-350. (IF = 0.757) ([pdf](#))
62. Van Linden, S., & **Vroomen, J.** (2008). Audiovisual speech recalibration in children. Journal of Child Language, 35, 809-822. (IF = 0.808) ([pdf](#))

61. Keetels, M., & **Vroomen, J.** (2008). Temporal recalibration to tactile-visual asynchronous stimuli. *Neuroscience Letters*, 430, 130-134. (**IF = 2.085**) ([pdf](#))
60. Keetels, M., & **Vroomen, J.** (2008). Tactile-visual temporal ventriloquism: No effect of spatial disparity. *Perception & Psychophysics*, 70, 765- 771. (**IF = 1.371**) ([pdf](#))
59. Keetels, M., & **Vroomen, J.** (2007). No effect of auditory-visual spatial disparity on temporal recalibration. *Experimental Brain Research*, 182, 559-565. (**IF = 2.027**) ([pdf](#))
58. Stekelenburg, J. J., & **Vroomen, J.** (2007). Neural correlates of multisensory integration of ecologically valid audiovisual events. *Journal of Cognitive Neuroscience*, 19, 1964-1973. (**IF = 4.997**) ([pdf](#))
57. Van Linden, S., Stekelenburg, J. J., Tuomainen, J., & **Vroomen, J.** (2007). Lexical effects on auditory speech perception: An electrophysiological study. *Neuroscience Letters*, 420, 49-52. (**IF = 2.085**) ([pdf](#))
56. van Linden, S., & **Vroomen, J.** (2007). Recalibration of phonetic categories by lipread speech versus lexical information. *Journal of Experimental Psychology: Human Perception and Performance*, 33, 1483-1494. (**IF = 2.580**) ([pdf](#))
55. Keetels, M., Stekelenburg, J. J., & **Vroomen, J.** (2007). Auditory grouping occurs prior to intersensory pairing: Evidence from temporal ventriloquism. *Experimental Brain Research*, 180, 449-456. (**IF = 2.027**) ([pdf](#))
54. **Vroomen, J.**, van Linden, S., de Gelder, B., & Bertelson, P. (2007). Visual recalibration and selective adaptation in auditory-visual speech perception: Contrasting build-up courses. *Neuropsychologia*, 45, 572-577. (**IF = 3.630**) ([pdf](#))
53. **Vroomen, J.**, & Keetels, M. (2006). The spatial constraint in intersensory pairing: No role in temporal ventriloquism. *Journal of Experimental Psychology: Human Perception and Performance*, 32, 1063-1071. (**IF = 2.529**) ([pdf](#))
52. Bertelson, P., Frissen, I., **Vroomen, J.**, & de Gelder, B. (2006). The aftereffects of ventriloquism: Patterns of spatial generalization. *Perception & Psychophysics*, 68, 428-436. (**IF = 1.856**) ([pdf](#))
51. Keetels, M., & **Vroomen, J.** (2005). The role of spatial disparity and hemifields in audio-visual temporal order judgements. *Experimental Brain Research*, 167, 635-640. (**IF = 2.302**) ([pdf](#))
50. de Gelder, B., **Vroomen, J.**, de Jong, S. J., Masthoff, E. D., Trompenaars, F.J., & Hodiamont, P. (2005). Multisensory integration of emotional faces and voices in schizophrenics. *Schizophrenia Research*, 72, 195-203. (**IF = 3.203**) ([pdf](#))
49. Frissen, I., **Vroomen, J.**, de Gelder, B., & Bertelson, P. (2005). The aftereffects of ventriloquism: Generalization across sound-frequencies. *Acta Psychologica*, 118, 93-100. (**IF = 1.521**) ([pdf](#))
48. Stekelenburg, J. J., & **Vroomen, J.** (2005). An event-related potential investigation of the time-course of temporal ventriloquism. *Neuroreport*, 16, 641-644. (**IF = 2.100**) ([pdf](#))
47. Stekelenburg, J. J., **Vroomen, J.**, & de Gelder, B. (2004). Illusory sound shifts induced by the ventriloquist illusion evoke the mismatch negativity. *Neuroscience Letters*, 357, 163-166. (**IF = 2.100**) ([pdf](#))
46. **Vroomen, J.**, & de Gelder, B. (2004). Temporal ventriloquism: Sound modulates the flash-lag effect. *Journal of Experimental Psychology: Human Perception and Performance*, 30, 513-518. (**IF = 2.335**) ([pdf](#))
45. **Vroomen, J.**, Keetels, M., de Gelder, B., & Bertelson, P. (2004). Recalibration of temporal order perception by exposure to audio-visual asynchrony. *Cognitive Brain Research*, 22, 32-35 (**IF = 2.865**) ([pdf](#))

44. **Vroomen, J.**, van Linden, S., Keetels, M., de Gelder, B., & Bertelson, P. (2004). Selective adaptation and recalibration of auditory speech by lipread information: dissipation. *Speech Communication*, 44, 55-61. (**IF = 0.672**) ([pdf](#))
43. Bertelson, P., **Vroomen, J.**, & de Gelder, B. (2003). Visual recalibration of auditory speech identification: A McGurk aftereffect. *Psychological Science*, 14, 592-597. (**IF = 2.961**) ([pdf](#))
42. de Gelder, B., **Vroomen, J.**, Annen, L., Masthof, E., & Hodiamont, P. (2003). Audiovisual integration in schizophrenia. *Schizophrenia Research*, 59, 211-218 (**IF = 3.203**) ([pdf](#))
41. Frissen, I., **Vroomen, J.**, & de Gelder, B., & Bertelson, P. (2003). The aftereffects of ventriloquism: Are they sound frequency specific? *Acta Psychologica*, 113, 315-327. (**IF = 1.521**) ([pdf](#))
40. **Vroomen, J.**, & de Gelder, B. (2003). Visual motion influences the contingent auditory motion aftereffect. *Psychological Science*, 14, 357-361. (**IF = 2.961**) ([pdf](#))
39. Bertelson, P., **Vroomen, J.**, Aschersleben, G., & de Gelder, B. (2001). Object identity decisions: At what processing levels? or: Why the cantaloupe might work. *Cahiers de Psychologie Cognitive - Current Psychology of Cognition*, 20, 177-182. (**IF = 0.218**) ([pdf](#))
38. de Gelder, B., Pourtois, G., van Raamsdonk, M., **Vroomen, J.**, & Weiskrantz, L. (2001). Unseen stimuli modulate conscious visual experience: Evidence from inter-hemispheric summation. *Neuroreport*, 12, 385-391. (**IF = 2.265**) ([pdf](#))
37. **Vroomen, J.**, Bertelson, P., & de Gelder, B. (2001). Directing spatial attention towards the illusory location of a ventriloquized sound. *Acta Psychologica*, 108, 21-33. (**IF = 1.521**) ([pdf](#))
36. **Vroomen, J.**, Bertelson, P., & de Gelder, B. (2001). The ventriloquist effect does not depend on the direction of automatic visual attention. *Perception & Psychophysics*, 63, 651-659. (**IF = 1.467**) ([pdf](#))
35. **Vroomen, J.**, & de Gelder, B. (2001). Lipreading and the compensation for coarticulation mechanism. *Language and Cognitive Processes*, 16, 661-672. (**IF = 1.788**) ([pdf](#))
34. **Vroomen, J.**, Driver, J., & de Gelder, B. (2001). Is cross-modal integration of emotional expressions independent of attentional resources? *Cognitive, Affective, & Behavioral Neuroscience*, 1, 382-387. (**IF = 1.833**) ([pdf](#))
33. Bertelson, P., Pavani, F., Ladavas, E., **Vroomen, J.**, & de Gelder, B. (2000). Ventriloquism in patients with unilateral visual neglect. *Neuropsychologia*, 38, 1634-1642. (**IF = 3.184**) ([pdf](#))
32. Bertelson, P., **Vroomen, J.**, de Gelder, B., & Driver, J. (2000). The ventriloquist effect does not depend on the direction of deliberate visual attention. *Perception & Psychophysics*, 62, 321-332. (**IF = 1.467**) ([pdf](#))
31. de Gelder, B., Pourtois, G., **Vroomen, J.**, & Weiskrantz, L. (2000). Affective blindsight: Are we blindly led by emotions? *Trends in Cognitive Science*, 4, 126-127. (**IF = 8.129**) ([pdf](#))
30. de Gelder, B., & **Vroomen, J.** (2000). The perception of emotions by ear and by eye. *Cognition and Emotion*, 14, 289-311. (**IF = 1.833**) ([pdf](#))
29. de Gelder, B., & **Vroomen, J.** (2000). Bimodal emotion perception: Integration across separate modalities, cross-modal perceptual grouping or perception of multimodal events? *Cognition and Emotion*, 14, 321-324. (**IF = 1.833**) ([pdf](#))
28. de Gelder, B., Pourtois, G., **Vroomen, J.**, & Bachoud-Levi, A.C. (2000). Covert processing of faces in prosopagnosia is restricted to facial expressions: Evidence from cross-modal bias. *Brain and Cognition*, 44, 425-444. (**IF = 1.093**) ([pdf](#))

27. Pourtois, G., de Gelder, B., **Vroomen, J.**, Rossion, B., & Crommelink, M. (2000). The time course of intermodal binding between seeing and hearing affective information. *NeuroReport*, 11, 1329-1333. (**IF = 2.265**) ([pdf](#))
26. **Vroomen, J.**, & de Gelder, B. (2000). Crossmodal integration: A good fit is no criterion. *Trends in Cognitive Sciences*, 4, 37-38. (**IF = 8.129**) ([pdf](#))
25. **Vroomen, J.**, & de Gelder, B. (2000). Why not model spoken word recognition instead of phoneme monitoring? *Behavioral and Brain Sciences*, 23, 349-350. (**IF = 8.730**) ([pdf](#))
24. **Vroomen, J.**, & de Gelder, B. (2000). Sound enhances visual perception: Cross-modal effects of auditory organization on vision. *Journal of Experimental Psychology: Human Perception and Performance*, 26, 1583-1590. (**IF = 2.335**) ([pdf](#))
23. Böcker, K. B. E., Bastiaansen, M. C. M., **Vroomen, J.**, Brunia, C. H. M., & de Gelder, B. (1999). An ERP correlate of metrical stress in spoken word recognition. *Psychophysiology*, 36, 706-720. (**IF = 2.674**) ([pdf](#))
22. de Gelder, B., Böcker, K., Tuomainen, J., Hensen, M., & **Vroomen, J.** (1999). The combined perception of emotion from face and voice: Early interaction revealed by human electric brain responses. *Neuroscience Letters*, 260, 133-136. (**IF = 2.100**) ([pdf](#))
21. de Gelder, B., **Vroomen, J.**, Pourtois, G., & Weiskrantz, L. (1999). Non-conscious recognition of affect in the absence of striate cortex. *NeuroReport*, 10, 3759-3763. (**IF = 2.265**) ([pdf](#))
20. **Vroomen, J.**, & de Gelder, B. (1999). Lexical access of resyllabified words: Evidence from phoneme monitoring. *Memory and Cognition*, 27, 413-421. (**IF = 1.318**) ([pdf](#))
19. de Gelder, B., & **Vroomen, J.** (1998). Impaired speech perception in poor readers: Evidence from hearing and speechreading. *Brain and Language*, 64, 269-281. (**IF = 1.036**) ([pdf](#))
18. de Gelder, B., & **Vroomen, J.** (1998). Impairment of speech-reading in prosopagnosia. *Speech Communication*, 26, 89-96. (**IF = 0.465**) ([pdf](#))
17. de Gelder, B., **Vroomen, J.**, & Bertelson, P. (1998). Upright but not inverted faces modify the perception of the emotion in the voice. *Cahiers de Psychologie Cognitive – Current Psychology of Cognition*, 17, 1021-1031. (**IF = 0.218**) ([pdf](#))
16. **Vroomen, J.**, & van de Bosch, A. & de Gelder, B. (1998). A connectionist model for bootstrap learning of syllabic structure. *Language and Cognitive Processes*, 13, 193-220. (**IF = 1.788**) ([pdf](#))
15. **Vroomen, J.**, Tuomainen, J., & de Gelder, B. (1998). The roles of word stress and vowel harmony in speech segmentation. *Journal of Memory and Language*, 38, 133-149. ([pdf](#))
14. de Gelder, B., & **Vroomen, J.** (1997). Modality effects in immediate recall of verbal and non-verbal information. *The European Journal of Cognitive Psychology*, 9, 97-110. ([pdf](#))
13. **Vroomen, J.**, & de Gelder, B. (1997). Activation of embedded words in spoken word recognition. *Journal of Experimental Psychology: Human Perception and Performance*, 23, 710-720. ([pdf](#))
12. de Gelder, B., & **Vroomen, J.** (1996). Auditory illusions as evidence for a role of the syllable in adult developmental dyslexics. *Brain and Language*, 52, 373-385. ([pdf](#))
11. **Vroomen, J.**, van Zon, M., & de Gelder, B. (1996). Cues to speech segmentation: Evidence from juncture misperceptions and word spotting. *Memory & Cognition*, 24, 744-755. ([pdf](#))

10. **Vroomen, J.**, & de Gelder, B. (1995). Metrical segmentation and lexical inhibition in spoken word recognition. *Journal of Experimental Psychology: Human Perception and Performance*, 21, 98-108. ([pdf](#))
9. de Gelder, B., & **Vroomen, J.** (1994). A new place for modality in a modular mind. *Cahiers de Psychologie Cognitive - Current Psychology of Cognition*, 13, 84-91. ([pdf](#))
8. de Gelder, B., & **Vroomen, J.** (1994). Memory for consonants versus vowels in heard and lipread speech. *Journal of Memory and Language*, 31, 737-756. ([pdf](#))
7. de Gelder, B., & **Vroomen, J.** (1994). Metrical segmentation and lexical competition: a happy affair? *Dokkyo International Review*, 221-230. ([pdf](#))
6. de Gelder, B., **Vroomen, J.**, & Bertelson, P. (1993). The effects of alphabetic reading competence on language representation in bilingual Chinese subjects. *Psychological Research – Psychologische Forschung*, 55, 315-321. ([pdf](#))
5. de Gelder, B., & **Vroomen, J.** (1992). Abstract versus modality-specific memory representations. *Memory and Cognition*, 20, 533-538. ([pdf](#))
4. de Gelder, B., & **Vroomen, J.** (1991). Phonological deficits: A source of asymmetries between developmental and acquired dyslexia. *Mind and Language*, 6, 123-129. ([pdf](#))
3. de Gelder, B., & **Vroomen, J.** (1991). Phonological deficits: Beneath the surface of reading-acquisition problems. *Psychological Research*, 53, 88-97. ([pdf](#))
2. de Gelder, B., **Vroomen, J.**, & van der Heide, L. (1991). Face recognition and lip-reading in autism. *European Journal of Cognitive Psychology*, 3, 69-86. ([pdf](#))
1. de Gelder, B., & **Vroomen, J.** (1989). Models in the mind, modules on the lips. *Behavioral and Brain Sciences*, 124, 762-763. ([pdf](#))

Book chapters (refereed):

18. Drewing, K., **Vroomen, J.** (2022). Moving Hands Feel Stimuli Before Stationary Hands. In: , et al. *Haptics: Science, Technology, Applications. EuroHaptics 2022. Lecture Notes in Computer Science*, vol 13235. Springer, Cham. https://doi.org/10.1007/978-3-031-06249-0_2. ([pdf](#))
17. Ullas, S., Bonte, M., Formisano, E., & **Vroomen, J.** (2022). Adaptive plasticity in perceiving speech sounds. In *Springer Handbook of Auditory Research*. ([pdf](#))
16. Vroomen, J. (submitted). Multisensory integration of audiovisual speech and timing information in autism spectrum disorders. ([pdf](#))
- 15 Kilian-Hütten, N., Formisano, E., & **Vroomen, J.** (2017). Multisensory integration in speech processing: Neural mechanisms of cross-modal aftereffects. In M. Mody (Ed.), *Neural mechanisms of language* (pp. 105-127). Boston, MA: Springer US. ([pdf](#))
14. Keetels, M. & **Vroomen, J.** (2012). Perception of synchrony between the senses. In M. M. Murray and M. T. Wallace (Eds.), *The neural bases of multisensory processes* (pp. 147-178). London: Taylor & Francis Group. ([pdf](#))
13. **Vroomen, J.** & Baart, M. (2012). Phonetic recalibration in audiovisual speech. In M. M. Murray and M. T. Wallace (Eds.), *The neural bases of multisensory processes*. (pp. 363-379). London: Taylor & Francis Group. ([pdf](#))

12. de Gelder, B., **Vroomen, J.**, & Pourtois, G. (2004). Multisensory perception of affect, its time course and its neural basis. In G. Calvert, C. Spence, & B. E. Stein (Eds.), *Handbook of multisensory processes* (pp. 581-596). MIT Press. ([pdf](#))
11. **Vroomen, J.**, & de Gelder, B. (2004). Perceptual effects of cross-modal stimulation: The cases of ventriloquism and the freezing phenomenon. In G. Calvert, C. Spence, & B. E. Stein (Eds.), *Handbook of multisensory processes* (pp. 141-150). MIT Press. ([pdf](#))
10. de Gelder, B., **Vroomen, J.**, & Pourtois, G. (2001). Covert affective cognition and affective blindsight. In B. de Gelder, E. de Haan & C. Heywood, (Eds.), *Out of Mind* (pp. 205-221). Oxford: Oxford University Press. ISBN 0198506309. ([pdf](#))
9. **Vroomen, J.**, Bertelson, P., & de Gelder, B. (2001). Auditory-visual spatial interactions: Automatic versus intentional components. In B. de Gelder, E. de Haan, & C. Heywood, (Eds.), *Out of Mind* (pp. 140-150). Oxford: Oxford University Press. ISBN 0198506309. ([pdf](#))
8. de Gelder, B., **Vroomen, J.**, & Pourtois, G. (1999). Seeing cries and hearing smiles: Cross-modal perception of emotional expressions. In G. Aschersleben, T. Bachmann & J. Müsseler (Eds.), *Cognitive contributions to the perception of spatial and temporal events* (pp. 425-438). North Holland: Elsevier. ISBN 0 444 50325 0. ([pdf](#))
7. de Gelder, B., **Vroomen, J.**, & Bertelson, P. (1999). The role of face parts: The perception of emotions in the voice and face. In L. Grim Cabral & J. Morais (Eds.), *Investigando a linguagem* (pp. 262-266). Florianópolis: Mulheres. ISBN: 85-86501-10-7. ([pdf](#))
6. **Vroomen, J.** (1999). Ventriloquism and the nature of the unity assumption. In G. Aschersleben, T. Bachmann, and J. Müsseler (Eds.), *Cognitive contributions to the perception of spatial and temporal events* (pp. 388-394). North Holland: Elsevier. ISBN 0 444 50325 0. ([pdf](#))
5. de Gelder, B., **Vroomen, J.** & Bachoud-Levi, A.C. (1998). Impaired speechreading and audio-visual speech integration in prosopagnosia. In R. Campbell, B. Dodd & D. Burnham (Eds.), *Hearing by Eye II, Advances in the Psychology of Speechreading and Auditory-visual Speech* (pp. 195-207). Hove: Psychology Press Ltd. ISBN 0-86377-502-0. ([pdf](#))
4. **Vroomen, J.**, & van de Bosch, A. & de Gelder, B. (1998). A connectionist model for bootstrap learning of syllabic structure. In K. Plunkett (Ed.), *Language acquisition and connectionism* (pp. 193-220). Hove: Psychology Press. ISBN: 0-86377-984-0. ([pdf](#))
3. de Gelder, B., Bertelson, P., & **Vroomen, J.** (1996). Aspects of modality in audio-visual processes. In D. G. Stork, and M. E. Hennecke (Eds.), *Speechreading by humans and machines*. NATO ASI Series F (Vol. 150, pp. 179-192). Berlin: Springer-Verlag, Gmbh. ([pdf](#))
2. de Gelder, B., & **Vroomen, J.** (1995). Memory deficits for heard and lipread speech in young and adult poor readers. In B. de Gelder and J. Morais (Eds.), *Speech and reading: A comparative approach* (pp. 125-138). Hove: Erlbaum. ([pdf](#))
1. de Gelder, B., & **Vroomen, J.** (1992). Auditory and visual speech perception in alphabetic and non-alphabetic Chinese-Dutch bilinguals. In R. J. Harris (Ed.), *Cognitive processing in bilinguals* (pp. 413-426). Amsterdam: Elsevier. ([pdf](#))

Conference proceedings (Selection):

3. **Vroomen, J.**, Bertelson, P., & de Gelder, B. (1998). A visual influence in the discrimination of auditory location. In Proceedings of the International Conference on Auditory-Visual Speech Processing AVSP'98 (pp. 131-135). Sydney, Australie: Terrigal ([pdf](#))
2. Bertelson, P., **Vroomen, J. H. M.**, Wiegeraad, G., & de Gelder, B. L. M. F. (1994). Exploring the relation between McGurk interference and ventriloquism. In Proceedings of the Third International Congress on Spoken Language Processing, Yokohama, Japan, September 18-22, 1994 (pp. 559-562). ([pdf](#))
1. **Vroomen, J.**, Collier, R. P. G., & Mozziconacci, S. J. L. (1993). Duration and intonation in emotional speech. In Proceedings of the 3rd European Conference on Speech Communication and Technology Eurospeech 93, Berlin, Germany, September 21-23, 1993 (pp. 577-580). ([pdf](#))

Publications (Dutch):

Vroomen, J. (2006). Horen met de ogen, zien met de oren. Inaugurele rede. ([pdf](#))

Vroomen, J. (1997). Van klank naar woord: Aspecten van gesproken woordherkenning. Jaarboek van de Vereniging van Akademie-Onderzoekers 1995-1996, (pp.79-90). Amsterdam: Vereniging van Akademie-Onderzoekers. ISBN 90-6984-177-0. ([pdf](#))

Vroomen, J. (1996). Versta ik het wel goed? Psychologie, 2, 24-25. ([pdf](#))

Vroomen, J. (1994). Emoties in spraak. Psychologie, 13, 30-31. ([pdf](#))

As Member (external) of PhD committee (35 in total)

- | | |
|------------------------------|--|
| Han, Y. (2021) | Chinese Tones: Can You Listen With Your Eyes? The Influence of Visual Information on Auditory Perception of Chinese Tones |
| Romanovska, L. (2021) | /aba/ or /ada/, that is the question: Longitudinal investigation of letter-speech sound processing in children with and without developmental dyslexia |
| Fotia, F. (2021) | Disturbances of multisensory processing in schizophrenia spectrum disorders: a behavioural and neurophysiological account |
| Ullas, S. (2020) | Lexical and audiovisual bases of perceptual adaptation in speech |
| Nelson, J. S. (2020) | Multimodal perception and action |
| Ege, R. (2019) | Dealing with uncertainty in human sound localization |
| London, R. (2019) | The role of spontaneous brain activity in perception |
| Schut, M. (2019) | Sensory continuity across eye-movements: Forward to a model of visual perception. |
| Drozdova, P. (2017) | The effects of nativeness and background noise on the perceptual learning of voices and ambiguous sounds. |
| Alves Francisco, A.C. (2017) | Audiovisual processing in dyslexia. |
| Van der Stoep, N. (2015) | Into the depths of spatial attention and multisensory integration |

- Eussen, M.L.J.M (2015) Heterogeneity in Autism Spectrum Disorder: Clarifying core- and co-occurring characteristics, correlates and course
- Dekker, M.K.J (2014) The application of alpha EEG training in healthy participants
- Siebold, A. (2014) The temporal characteristics of oculomotor selection
- Otte, R. (2013) Prenatal exposure to maternal anxiety affect neurocognition in the first year of life
- Poellman, K. (2013) The many ways listeners adapt to reductions in casual speech
- Dolscheid, S. (2013) High pitches and thick voices: The role of language in space-pitch associations
- Balsters, M (2013) Expression and perception of emotions: The case of depression, sadness and fear
- Merk, R-J (2013) Making Enemies: Cognitive modeling for opponent agents in fighter pilot simulators
- Stienen, B.M.C. (2012) The processing of bodily and facial expressions with and without visual awareness
- Kilian-Hütten, N. (2012) Cross-modal effects in the construction of perception
- Bocanegra, B.R. (2011) How emotions helps and hurts perception
- Hadjikhani, N. (2010) Emotion perception in autism
- Reinisch, E (2010) Processing the fine temporal structure of spoken words
- Van der Burg, E (2009) Temporal multisensory processing and its effects on attention
- Froyen, D (2009) Developmental electrophysiological studies of letter – speech sound processing in normal reading and dyslexia
- Blau, V. (2009) Multisensory cortical interactions between speech and script in fluent and dyslexic readers
- Hoekert, M (2009) Beyond what is being said: Emotional prosody: Its neural basis and its relevance for schizophrenia
- Magnée, M. (2008) Do you see what I am saying? Studies on multisensory perception in autism
- Benjamins, J.S. (2008) Spatiotemporal attentional constraints in perception
- Stevens, M (2007) Perceptual adaptation to phonological differences between language varieties.
- Van Atteveldt, N (2006) Speech meets script: fMRI studies on the integration of letter and speech sounds
- Shatzman, K. B. (2006) Sensitivity to detailed acoustic information in word recognition
- Pourtois, G.R.C (2002) Multi-sensory perception of affect: Evidence from behavioural, neurophysiological and brain-imaging methods
- Teunisse, J-P (1996) Understanding face processing in autism