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## Building a Phonological Inventory

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## References

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- Adriaans, F., & Kager, R. (2010). Adding generalisation to statistical learning: the induction of phonotactics from continuous speech. *Journal of Memory and Language*, 62, 311 - 331.
- Anderson, S. R. (1985). *Phonology in the twentieth century. theories of rules and theories of representations*. Chicago and London: The University of Chicago Press.
- Anderson, S. R. (2000). Reflections on 'On the phonetic rules of Russian'. *Folia Linguistica*, 34, 11-28.
- Archangeli, D. (1984). *Underspecification in yawelmani phonology and morphology*. Unpublished doctoral dissertation, MIT, Cambridge, MA. (Revised version published 1988 by Garland, New York (*Outstanding Dissertations in Linguistics*))
- Archangeli, D. (1988). Aspects of underspecification theory. *Phonology*, 5, 183-207.
- Backley, P. (2011). *An introduction to element theory*. Edinburgh: Edinburgh University Press.
- Barton, D. (1976). *The role of perception in the acquisition of phonology*. Unpublished doctoral dissertation, University of London, Bloomington.
- Beckman, J. (1998). *Positional faithfulness*. Unpublished doctoral dissertation, University of Massachusetts, Amherst.
- Beckman, M., & Edwards, J. (2000). The ontogeny of phonological categories and the primacy of lexical learning in linguistic development. *Child Development*, 71, 240249.
- Beckman, M., Yoneyama, K., & Edwards, J. (2003). Language specific and language universal aspects of lingual obstruent productions in Japanese acquiring children. *Journal of the Phonetic Society of Japan*, 7.
- Beers, M. (1995). *The phonology of normal developing and language-impaired children*. Unpublished doctoral dissertation, University of Amsterdam. (IFOTT)
- Benua, L. (1997). *Transderivational identity*. Electronic Doc-

- toral Dissertations for UMass Amherst. Retrieved from <http://scholarworks.umass.edu/dissertations/AAI9809307> (Paper AAI9809307)
- Berg, T., & Schade, U. (2000). A local connectionist account of consonant harmony in child language. *Cognitive Science*, *24*, 123-149.
- Best, C. T. (1995). Learning to perceive the sound pattern of English. *Advances in infancy research*, *9*.
- Blair, M., Marczinski, C. A., Davis-Faroque, N., & Kertesz, A. (2007). A longitudinal study of language decline in alzheimer's disease and frontotemporal dementia. *Journal of the International Neuropsychological Society*, *13*, 237-245.
- Blevins, J. (2007). What is evolutionary phonology? In *Evolutionary phonology - the emergence of sound patterns*. Cambridge: Cambridge University Press.
- Boersma, P. (1997). How we learn variation, optimality and probability. *Proceedings of the Institute of Phonetic Sciences*, *21*.
- Boersma, P. (1998). *Functional phonology*. Unpublished doctoral dissertation, University of Amsterdam.
- Boersma, P. (2006a). A constraint-based explanation of the McGurk-effect. *manuscript*. (ROA: 869)
- Boersma, P. (2006b). *Parallel bidirectional phonology and phonetics*. (Paper presented at III congresso internacional de fonetica e fonologia, Belo Horizonte)
- Boersma, P. (2006c). A programme for bidirectional phonology and phonetics and their acquisition and evolution. *manuscript*.
- Boersma, P. (2007a). Cue constraints and their interaction in phonological perception and production. *manuscript*. (ROA 944)
- Boersma, P. (2007b). *The emergence of auditory contrast*. (Paper presented at GLOW 30, Tromsø)
- Boersma, P., & Hamann, S. (2008). The evolution of auditory dispersion in bidirectional constraint grammars. *Phonology*, *25*, 217-270.
- Boersma, P., & Hayes, B. (2001). Empirical tests of the gradual learning algorithm. *Linguistics Inquiry*, *32*.
- Boersma, P., & Levelt, C. (1999). Gradual constraint-ranking learning algorithm predicts acquisition order. *Proceedings of Child Language Research Forum*, *30*.
- Booij, G. (1995). *The phonology of Dutch*. Oxford: Clarendon Press.
- Cavirani, E. (2010). *Il vincolo nella fonologia generativa*. Unpublished master's thesis, Università de Pisa, Pisa.
- Cavirani, E. (2012). *Brief history of the concept "constraint" in generative phonology*. Oral presentation at the Leiden University Center for Linguistics Phonology Reading Group.
- Charette, M., & Göksel, A. (1998). Licensing constraints and vowel harmony in turkic languages. In E. Cyran (Ed.), *Structure and interpretation* (Vol. 4).

- Lublin: PASE Studies and Monographs.
- Chiat, S. (1983). Why *Mikey's* right and *my key's* wrong: The significance of stress and word boundaries in a child's output system. *Cognition*, 14, 275-300.
- Chiat, S. (1989). The influence of syllable position on children's production of consonants. *Clinical Linguistics and Phonetics*, 3, 223-242.
- Chomsky, N. (1951). *Morphophonemics of modern hebrew*. Unpublished master's thesis, University of Pennsylvania, Philadelphia.
- Chomsky, N., & Halle, M. (1968). *The sound pattern of english*. New York: Harper and Row Publishers.
- Clements, G. N. (1990). The role of the sonority cycle in core syllabification. In J. Kingston & M. E. Beckman (Eds.), *Papers in laboratory phonology i, between the grammar and the physics of speech* (p. 283-333). Cambridge: Cambridge University Press.
- Clements, G. N. (2003). Feature economy in sound systems. *Phonology*, 20.
- Clements, G. N., & Hume, E. (1995). The internal organization of speech sounds. In J. A. Goldsmith (Ed.), *The handbook of phonological theory*. Oxford: Blackwell.
- Cruttenden, A. (1978). Assimilation in child language and elsewhere. *Journal of Child Language*, 5, 373-378.
- Dell, F. (1981). On the learnability of optional rules. *Linguistic Inquiry*, 12, 31-37.
- Dresher, B. E. (2009). *The contrastive hierarchy in phonology*. Cambridge: Cambridge University Press.
- Eimas, P., Siqueland, E., Jusczyk, P., & Vigorito, J. (1971). Speech perception in infants. *Science*, 171.
- Ernestus, M. (2000). *Voice assimilation and segment reduction in casual dutch*. Utrecht: LOT Dissertation Series.
- Ernestus, M., & Baayen, H. (2001). Choosing between the dutch past-tense suffixes *-te* and *-de*. In T. van der Wouden & H. Broekhuis (Eds.), *Linguistics in the netherlands* (Vol. 18, p. 77-88). Amsterdam: John Benjamins Publishing Company.
- Ferguson, C., & Farwell, C. (1975). Words and sounds in early language acquisition. *Language*, 51.
- Fikkert, P. (1994). *On the acquisition of prosodic structure*. HIL dissertations in linguistics 6. (Leiden University)
- Fikkert, P. (2008). Developing representations and the emergence of phonology: evidence from perception and production. In *Laboratory phonology x*. Berlin: Mouton de Gruyter.
- Fikkert, P., & Levelt, C. (2008). How does place fall into place? the lexicon and emergent constraints in children's developing phonological grammar. In P. Avery, B. E. Dresher, & K. Rice (Eds.), *Contrast in phonology. theory, perception, acquisition* (p. 231). Berlin: Mouton.
- Fikkert, P., Levelt, C., & Zamuner, T. S. (2005). *Perception through pro-*

- duction?* Talk presented at NELS 2005 and ms. Radboud University of Nijmegen, Leiden University and University of British Columbia.
- Flemming, E. (2004). Contrast and perceptual distinctiveness. In B. Hayes, R. Kirchner, & D. Steriade (Eds.), *The phonetic bases of markedness*. Cambridge: Cambridge University Press.
- Flemming, E. (2006). The role of distinctiveness constraints in phonology. *manuscript*.
- Friederici, A., & Wessels, J. (1993). Phonotactic knowledge of word boundaries and its use in infant speech perception. *Perception and Psychophysics*, *54*, 287-295.
- Gnanadesikan, A. (1995). *Markedness and faithfulness in child phonology*. New Brunswick. Retrieved from [roa.rutgers.edu/files/67-0000/67-0000-GNANADESIKAN-0-0.PDF](http://roa.rutgers.edu/files/67-0000/67-0000-GNANADESIKAN-0-0.PDF) (Manuscript: ROA 67)
- Goad, H. (1997). Consonant harmony in child language: An optimality-theoretic account. In S. J. Hannahs & M. Young-Scholten (Eds.), *Focus on phonological acquisition* (p. 113-142). Amsterdam & Philadelphia: John Benjamins Publishing Company.
- Goldsmith, J., & Laks, B. (to appear). Generative phonology: its origins, its principles, and its successors. In L. Waugh, J. Joseph, & M. Monville-Burston (Eds.), *Cambridge history of linguistics*. Cambridge: Cambridge University Press.
- Gonzalez-Gomez, N., Poltrock, S., & Nazzi, T. (2013). A “bat” is easier to learn than a “tab”: Effects of relative phonotactic frequency on infant word learning. *PlosOne*, *8*.
- Gussenhoven, C. (1999). Illustrations of the IPA: Dutch. In *Handbook of the International Phonetic Association*. Cambridge: Cambridge University Press.
- Gussenhoven, C., & Jacobs, H. (2005). *Understanding phonology*. London: Hodder Arnold.
- Hale, M., & Reiss, C. (1998). Formal and empirical arguments concerning phonological acquisition. *Linguistic Inquiry*, *29*, 656-683.
- Hale, M., & Reiss, C. (2003). The Subset Principle in phonology: why the *tabula* can't be *rasa*. *Journal of Linguistics*, *39*, 219-244.
- Hale, M., & Reiss, C. (2008). *The phonological enterprise*. Oxford: Oxford University Press.
- Hall, D. C. (1999). On the geometry of auditory space. *Toronto Working Papers in Linguistics*, *17*, 134-157.
- Hall, D. C. (2007). *The role and representation of contrast in phonological theory*. Unpublished doctoral dissertation, University of Toronto.
- Hall, D. C. (2011). Phonological contrast and its phonetic enhancement: Dispersedness without dispersion. *Phonology*, *28*, 1-54.
- Halle, M. (1957). *On the phonetic rules of russian*. unpublished paper read to the Annual Meeting of the Linguistic Society of America, Chicago.

- Halle, M. (1959). *The sound pattern of russian*. The Hague: Mouton & Co.
- Harris, J. (1994). *English sound structure*. Oxford: Blackwell.
- Harris, J. (2009). Why final devoicing is weakening. In K. Nasukawa & P. Backley (Eds.), *Streng relations in phonology*. Berlin: Mouton de Gruyter.
- Harris, J., & Lindsey, G. (1995). The elements of phonological representation. In J. Durand & F. Katamba (Eds.), *Frontiers of phonology: Atoms, structures, derivations* (p. 34-79). Harlow: Longman.
- Hayes, B. (1999). Phonetically-driven phonology: The role of optimality theory and inductive grounding. In M. Darnell, E. Moravscik, M. Noonan, F. Newmeyer, & K. Wheatly (Eds.), *Functionalism and formalism in linguistics* (Vol. I: General Papers, p. 243-285). Amsterdam: John Benjamins Publishing Company.
- Hayes, B., & Wilson, C. (2008). A maximum entropy model of phonotactics and phonotactic learning. *Linguistic Inquiry*, 39, 379 - 440.
- Hemphill, R. (1998). Perception/production asymmetries in the acquisition of phonological contrasts. *Journal of the Acoustic Society of America*, 104, 1757-1758.
- Honeybone, P. (2001/2002). *Germanic obstruent lenition: some mutual implications of theoretical and historical phonology*. Unpublished doctoral dissertation, University of Newcastle upon Tyne. (Submitted and defended 2001, graduation 2002)
- Honeybone, P. (2005). Diachronic evidence in segmental phonology: the case of obstruent laryngeal specifications. In M. van Oostendorp & J. van de Weijer (Eds.), *The internal organization of phonological segments* (p. 319-354). Berlin: Mouton de Gruyter.
- Hume, E. (1994). Representing the duality of glides. In G. Tsonlas & L. Nash (Eds.), *Les actes du congrès: Langues et grammaire i*. Paris: Université Paris 8.
- Hyman, L. (1975). *Phonology theory and analysis*. Austin: Holt Rinehart Winston.
- Ingram, D. (1981). *Procedure for the phonological analysis of children's language*. Baltimore, Md.: University Park Press.
- Ingram, D. (1988). Jakobson revisited: some evidence from the acquisition of Polish phonology. *Lingua*, 75, 55-82.
- Ingram, D. (1989). *First language acquisition. method, description and explanation*. Cambridge: Cambridge University Press.
- Inkelas, S., & Rose, Y. (2008). Positional neutralization: A case study from child language. *Language*, 83.
- Itô, J., Mester, A., & Padgett, J. (1995). Nc: Licensing and underspecification in Optimality Theory. *Linguistic Inquiry*, 26. (ROA: 38)
- Jackendoff, R. (1990). *Semantic structures*. Cambridge, MA: MIT Press.
- Jakobson, R. (1941/1968). *Child language, aphasia and phonological universals*. The Hague: Mouton.
- Jakobson, R., Fant, G., & Halle, M. (1952). *Preliminaries to speech analysis:*

- the distinctive features and their correlates*. Cambridge, MA: MIT Press.
- Jakobson, R., & Halle, M. (1956). *Fundamentals of language*. The Hague: Mouton.
- Jakobson, R., & Lotz, J. (1949). Notes on the French phonemic pattern. *Word*, 5, 151-158.
- Jusczyk, P. (1985). On characterizing the development of speech perception. In J. Mehler & R. Fox (Eds.), *Neonate cognition. beyond the blooming buzzing confusion*. Hillsdale, NJ: Lawrence Erlbaum Publishers.
- Jusczyk, P., Friederici, A., Wessels, J., Svenkerud, V., & Jusczyk, A. M. (1993). Infants' sensitivity to the sound patterns of native language words. *Journal of memory and language*, 32.
- Jusczyk, P., & Hohne, E. (1997). Infants' memory for spoken words. *Science*, 277(5334).
- Jusczyk, P., Smolensky, P., & Allocco, T. (2002). How english-learning infants respond to markedness and faithfulness constraints. *Language Acquisition*, 10, 31-73.
- Kager, R. (1999). *Optimality theory*. Cambridge: Cambridge University Press.
- Kenstowicz, M., & Kisseberth, C. (1977). *Topics in phonological theory*. New York, San Francisco and London: Academic Press.
- Keyser, S. J., & Stevens, K. N. (2006). Enhancement and overlap in the speech chain. *Language*, 82, 33-63.
- Kiparsky, P. (1982). From cyclic phonology to lexical phonology. In H. van der Hulst & N. Smith (Eds.), *The structure of phonological representations* (Vol. 1, p. 13175). Dordrecht: Foris.
- Kiparsky, P., & Pajusalu, K. (2003). Towards a typology of disharmony. *The Linguistic Review*, 20, 217-241.
- Koelle, S. W. (1968[1854]). *Outline of a grammar of the vei language: Together with a vei-english vocabulary and an account of the discovery and nature of the vei mode of syllabic writing*. Farnborough, UK: Gregg International.
- Kuhl, P. K. (1991). Human adults and human infants show a "perceptual magnet effect" for the prototypes of speech categories, monkeys do not. *Perception and Psychophysics*, 50.
- Kuhl, P. K., Williams, K. A., Lacerda, F., Stevens, K. N., & Lindblom, B. (1992). Linguistic experience alters phonetic perception in infants by 6 months of age. *Science*, 255, 606-608.
- Lahiri, A., & Evers, V. (1991). Palatalization and coronality. In C. Paradis & J.-F. Prunet (Eds.), *The special status of coronals* (p. 79-100). San Diego: Academic Press.
- Lahiri, A., & Reetz, H. (2002). Underspecified recognition. In *Laboratory phonology 7*. Berlin: Mouton de Gruyter.
- Leopold, W. (1939 – 1949). *Speech development of a bilingual child*. Evanston, IL: Northwestern University Press.
- Levelt, C. (1994). *On the acquisition of place*. HIL dissertations in linguistics



8. (Leiden University)
- Levelt, C. (1995). *Unfaithful kids: Place of articulation patterns in early child language*. Paper presented at the Department of Cognitive Science Seminar, Johns Hopkins University, Baltimore, Maryland.
- Levelt, C. (2011). Consonant harmony in child language. In M. van Oostendorp, C. J. Ewen, E. Hume, & K. Rice (Eds.), *The Blackwell Companion to Phonology*. Oxford: Blackwell.
- Levelt, C., Schiller, N. O., & Levelt, W. (1999/2000). The acquisition of syllable types. *Language Acquisition*, 8, 237-264.
- Levelt, C., & van Oostendorp, M. (2007). Feature co-occurrence constraints in 11 acquisition. *Linguistics in the Netherlands*, 24.
- Li, Y. (2007). *Differential acquisition of phonemic contrasts by infant word-learners: Does production recapitulate perception?* Unpublished doctoral dissertation, University of North Carolina at Chapel Hill.
- Liljencrants, J., & Lindblom, B. (1972). Numerical simulation of vowel quality systems: The role of perceptual contrast. *Language*, 48, 839-862.
- Linke, K., & van Oostendorp, M. (in preparation). *The grammar of vowel inventories - vowel harmony in Turkic languages*.
- Lombardi, L. (1995). Laryngeal neutralization and syllable well-formedness. *Natural Language and Linguistic Theory*, 13, 39-74.
- MacKain, K. (1982). Assessing the role of experience on infants' speech discrimination. *Journal of Child Language*, 9.
- Maye, J., & Gerken, L. (2000). Learning phonemes without minimal pairs. In *Proceedings of the 24th annual boston university conference on language development*. Somerville, MA: Cascadilla Press.
- Maye, J., & Weiss, D. (2003). Statistical cues facilitate infants' discrimination of difficult phonetic contrasts. In B. Beachley, A. Brown, & F. Conlin (Eds.), *Proceedings of the 27th annual boston university conference on language development*. Somerville, MA: Cascadilla Press.
- Maye, J., Werker, J., & Gerken, L. (2002). Infant sensitivity to distributional information can affect phonetic discrimination. *Cognition*, 82.
- McCarthy, J. J. (2003). Ot constraints are categorical. *Phonology*, 20.
- McCarthy, J. J. (2004). Headed spans and autosegmental spreading. In *The selected works of john j. mccarthy*. Retrieved from [http://works.bepress.com/john\\_j\\_mccarthy/60](http://works.bepress.com/john_j_mccarthy/60)
- Menn, L. (1978). Phonological units in beginning speech. In A. Bell & J. B. Hooper (Eds.), *Syllables and segments* (p. 315-334). Amsterdam: North-Holland.
- Menn, L., & Matthei, E. (1992). The "two-lexicon" approach to child phonology: looking back, looking ahead. In C. A. Ferguson, L. Menn, & C. Stoel-Gammon (Eds.), *Phonological development: Models, research, implications*. Parkton: York Publishing Company.
- Mielke, J. (2004). *The emergence of distinctive features*. Unpublished doctoral dissertation, Ohio State University.

- Mielke, J. (2008). *The emergence of distinctive features*. Oxford: Oxford University Press.
- Morén, B. (2003). The parallel structures model of feature geometry. *Working papers of the Cornell Phonetics Laboratory*, 15.
- Morén, B. (2007). The division of labor between segment-internal structure and violable constraints. In S. Blaho, P. Bye, & M. Kraemer (Eds.), *Freedom of analysis?* New York: Mouton de Gruyter.
- Nevins, A. (2010). *Locality in vowel harmony* (No. 55). Cambridge, MA: The MIT Press.
- Padgett, J. (2002). Feature classes in phonology. *Language*, 78.
- Paradis, C. (1988). On constraints and repair strategies. *The Linguistic Review*, 6, 71-97.
- Paradis, C., & Prunet, J.-F. (1991). *The special status of coronals: Internal and external evidence*. San Diego: Academic Press.
- Pater, J. (1997). Minimal violation and phonological development. *Language Acquisition*, 6, 201-253.
- Pater, J. (2004). Bridging the gap between receptive and productive development with minimally violable constraints. In R. Kager, J. Pater, & W. Zonneveld (Eds.), *Constraints in phonological acquisition* (p. 219-244). Cambridge: Cambridge University Press.
- Pater, J., Stager, C. L., & Werker, J. F. (2004). The perceptual acquisition of phonological contrast. *Language*, 80, 384-402.
- Pater, J., & Werle, A. (2001). Typology and variation in child consonant harmony. In C. Fry, A. D. Green, & R. van de Vijver (Eds.), *Proceedings of hülp* (Vol. 5, p. 119139). Potsdam: University of Potsdam.
- Pater, J., & Werle, A. (2003). Direction of assimilation in child consonant harmony. *Canadian Journal of Linguistics*, 48, 385 - 408.
- Peperkamp, S. (2003). Phonological acquisition: Recent attainments and new challenges. *Language and Speech*, 46.
- Peperkamp, S., Calvez, R. L., Nadal, J.-P., & Dupoux, E. (2006). The acquisition of allophonic rules: Statistical learning with linguistic constraints. *Cognition*, 101, B31-B41.
- Piggott, G., & van der Hulst, H. (1997). Locality and the nature of nasal harmony. *Lingua*, 103, 85-112.
- Preyer, W. (1895). *Die Seele des Kindes. Beobachtungen über die geistige Entwicklung des Menschen in den ersten Lebensjahren*. Leipzig: Th. Grieben's Verlag.
- Prince, A. (2002). *Entailed ranking arguments*. Rutgers Optimality Archive, ROA-500.
- Prince, A. (2007). The pursuit of theory. In P. de Lacy (Ed.), *Cambridge handbook of phonology*. Cambridge: Cambridge University Press.
- Prince, A., & Smolensky, P. (1993/2004). *Optimality theory - constraint interaction in generative grammar*. Oxford: Blackwell Publishing. Retrieved from <http://roa.rutgers.edu> (Original publication date 1993 as tech-

- nical report at the University of Colorado (CU-CS-696-95) and Rutgers University (RuCCS-TR-2)
- Rice, K., & Avery, P. (2004). *The representational issue: the role of contrast in phonology*. (Paper presented at the 12th Manchester Phonology Meeting)
- Roca, I., & Johnson, W. (1999). *A course in phonology*. Oxford: Blackwell Publishers.
- Rose, Y. (2000). *Headedness and prosodic licensing in the l1 acquisition of phonology*. Unpublished doctoral dissertation, McGill University, Montréal.
- Rose, Y., & MacWhinney, B. (to appear). The phonbank initiative. In J. Durand, U. Gut, & G. Kristoffersen (Eds.), *Handbook of corpus phonology*. Oxford: Oxford University Press.
- Rose, Y., MacWhinney, B., Byrne, R., Hedlund, G., Maddocks, K., O'Brien, P., & Wareham, T. (2006). Introducing phon: A software solution for the study of phonological acquisition. In D. Bamman, T. Magnitskaia, & C. Zaller (Eds.), *Proceedings of the 30th annual boston university conference on language development* (p. 489-500). Somerville, MA: Cascadilla Press.
- Röttger, F. (1931). *Phonetische Gestaltbildung bei jungen Kindern*. München: C.H. Beck'sche Verlagsbuchhandlung.
- Rvachew, S., & Andrews, E. (2002). The influence of syllable position on children's productions of consonants. *Clinical Linguistics and Phonetics*, 16, 183-198.
- Saffran, J., Aslin, R., & Newport, E. (1996). Statistical learning by 8 month old infants. *Science*, 274(5294), 1926-1928.
- Saffran, J., & Thiessen, E. (2003). Pattern induction by infant language learners. *Developmental psychology*, 39(3).
- Samek-Lodovici, V., & Prince, A. (1999). Optima. *Rutgers Optimality Archive*. Retrieved from <http://roa.rutgers.edu>
- Scheer, T. (2004). *A lateral theory of phonology - what is CVCV, and why should it be?* Berlin/New York: Mouton de Gruyter.
- Scheer, T. (2011). *A guide to morphosyntax-phonology interface theories. how extra-phonological information is treated in phonology since trubetzkoy's grenzsingale*. Berlin/New York: Mouton de Gruyter.
- Sebregts, K. (ms.) *The sociophonetics and phonology of dutch r*. Utrecht: LOT.
- Seidl, A., & Buckley, E. (2005). On the learning of arbitrary phonological rules. *Language Learning and Development*, 1, 289-316.
- Shibatani, M. (1973). The role of surface phonetic constraints in generative phonology. *Language*, 49, 87-106.
- Singh, R. (1987). Well-formedness conditions and Phonological Theory. In W. Dressler (Ed.), *Phonologica 1984* (p. 273 - 286). Cambridge: Cambridge University Press.
- Smith, N. V. (1973). *The acquisition of phonology*. Cambridge: Cambridge

- University Press.
- Smolensky, P. (1996). *The initial state and 'richness of the base' in child language* (Tech. Rep. No. JHU-CogSci-96-4). Baltimore, MD: Cognitive Science Department, Johns Hopkins University.
- Smolensky, P., & Legendre, G. (2006). *The harmonic mind*. Cambridge, MA: The MIT Press.
- Spelke, E. (2012). *Core knowledge and language: Insights from infants, and unanswered questions about children and adults*. Presentation delivered at the Core Knowledge, Language and Culture workshop, Lorentz Center, Leiden.
- Spencer, A. (1986). Towards a theory of phonological development. *Lingua*, 68, 3-38.
- Stager, C., & Werker, J. (1997). Infants listen for more phonetic detail in speech perception than in word-learning tasks. *Nature*, 388.
- Stanley, R. (1967). Redundancy rules in phonology. *Language*, 43, 393-436.
- Stemberger, J., & Bernhart, B. (1998). *Handbook of phonological development from the perspective of constraint-based nonlinear phonology*. San Diego: Academic Press.
- Stemberger, J., & Stoel-Gammon, C. (1989). *Underspecification and consonant harmony in child phonology*. (Ms. University of Minnesota at Minneapolis)
- Stemberger, J., & Stoel-Gammon, C. (1991). The underspecification of coronals: Evidence from language acquisition and performance errors. In C. Paradis & J.-F. Prunet (Eds.), *The special status of coronals: Internal and external evidence* (p. 181-199). San Diego: Academic Press.
- Steriade, D. (1987). Redundant values. In A. Bosch, B. Need, & E. Schiller (Eds.), *Cls 23: Papers from the 23rd annual regional meeting of the Chicago linguistic society. part two: Parasession on autosegmental and metrical phonology* (p. 339-362). Chicago: Chicago Linguistic Society.
- Stevens, K. N., & Keyser, S. J. (2010). Quantal theory, enhancement and overlap. *Journal of Phonetics*, 38, 10-19.
- Swingle, D. (2008). The roots of the early vocabulary in infants' learning from speech. *Current Directions in Psychological Science*, 17.
- Swingle, D., & Aslin, R. (2000). Spoken word recognition and lexical representation in very young children. *Cognition*.
- Tesar, B., & Smolensky, P. (2000). *Learnability in optimality theory*. Cambridge, MA: MIT Press.
- Torgerson, W. S. (1963). *Theory and methods of scaling*. New York: Wiley.
- van de Weijer, J. (1994). *Segmental structure and complex segments*. Unpublished doctoral dissertation, Leiden University, Leiden. (HIL Dissertations; 9)
- van de Weijer, J. (1998). *Language input for word discovery*. Unpublished doctoral dissertation, Max Planck Institute for Psycholinguistics. (Max Planck Series in Psycholinguistics 9)

- van der Feest, S. (2007). *Building a phonological lexicon. the acquisition of the dutch voicing contrast in perception and production*. Unpublished doctoral dissertation, Radboud Universiteit Nijmegen, Nijmegen.
- Van der Hulst, H. (1988). The geometry of vocalic features. In H. van der Hulst & N. Smith (Eds.), *Features, segmental structure and harmony processes* (Vol. 2, p. 77-125). Dordrecht: Foris.
- Van der Hulst, H. (2012). A minimal framework for vowel harmony. In B. Botma & R. Noske (Eds.), *Phonological explorations: Empirical, theoretical and diachronic issues*. Berlin: Mouton de Gruyter.
- Van der Hulst, H., & Smith, N. (1986). On neutral vowels. In K. Bogers, H. Van der Hulst, & M. Mous (Eds.), *The phonological representation of suprasegmentals* (p. 233-279). Dordrecht: Foris.
- van Oostendorp, M. (2008). Incomplete devoicing in formal phonology. *Lingua*, 118, 1362-1374.
- van Oostendorp, M. (to appear). Final devoicing in french. In H. van Riemsdijk & M. van Oostendorp (Eds.), . Berlin: Mouton de Gruyter.
- van Severen, L., Molemans, I., van den Berg, R., & Gillis, S. (2012). Consonant inventories in the spontaneous speech of young children: A bootstrapping procedure. *Clinical Linguistics and Phonetics*, 26, 164-187.
- van 't Veer, M. (2008). *Grammatical inventories - exploring a constraint based way of describing the world's sound systems*. Unpublished master's thesis, Leiden University.
- van 't Veer, M. (2012). *New observations on the acquisition of liquids*. Talk delivered at TINdag 2012.
- Vihman, M. M. (1978). Consonant harmony: Its scope and function in child language. In J. H. Greenberg, C. A. Ferguson, & E. A. Moravcsik (Eds.), *Universals of human language* (Vol. 2: Phonology, p. 281-334). Stanford: Stanford University Press.
- Werker, J. F., & Pegg, J. (1992). Infant speech perception and phonological acquisition. In C. A. Ferguson, L. Menn, & C. Stoel-Gammon (Eds.), *Phonological development: Models, research, and implications*. Parkton: York Publishing Company.
- Werker, J. F., & Tees, R. (1984). Cross-language speech perception: Evidence for perceptual reorganization during the first year of life. *Infant Behavior and Development*, 7.
- Wetzels, L., & Mascaró, J. (2001). The typology of voicing and devoicing. *Language*, 77.
- White, K., & Morgan, J. (2008). Sub-segmental detail in early lexical representations. *Journal of Memory and Language*, 59, 114-132.
- White, K., Peperkamp, S., Kirk, C., & Morgan, J. (2008). Rapid acquisition of phonological alternations by infants. *Cognition*, 107, 238-265.
- Yip, M. (2011). Lateral consonants. In *The Blackwell Companion to Phonology*. Oxford: Blackwell.
- Zamuner, T., Gerken, L., & Hammond, M. (2005). The acquisition of phonology

- based on input: A closer look at the relation of cross-linguistic and child language data. *Lingua*, 10.
- Zoll, C. (1998). “*licensing*” constraints in *Optimality Theory*. (Manuscript, Massachusetts Institute of Technology)