

References

- Abakah, Emmanuel Nicholas. 2005. Phonological analysis of word-final consonants in Akan. In *Africa & asia: Göteborg working papers on asian and african languages and literatures*, vol. 5, 47–65. Dept. of Oriental and African Languages, Göteborg University.
- Alderete, John. 2003. Dissimilation. In William Frawley (ed.), *International encyclopedia of linguistics*. Oxford: Oxford University Press, 2nd edn.
- Alderete, John & Stefan Frisch. 2007. Dissimilation in grammar and the lexicon. In Paul V. De Lacy (ed.), *The cambridge handbook of phonology*, 379–398. Cambridge; New York: Cambridge University Press.
- Allen, W. Sidney. 1973. *Accent and rhythm; prosodic features of Latin and Greek: a study in theory and reconstruction*. Cambridge: Cambridge University Press.
- Anderson, R. & B. L. Smith. 1987. Phonological development of two-year-old monolingual Puerto Rican Spanish-speaking children. *Journal of child language* 14(1). 57–78.
- Anderson, R. T. 2004. Phonological acquisition in preschoolers learning a second language via immersion: a longitudinal study. *Clinical linguistics & phonetics* 18(3). 183–210.
- Anderson, Stephen R. 1981. Why phonology isn't "natural". *Linguistic Inquiry* 12(4). 493–539.
- Austin, Peter. 1981. *A grammar of Diyari, south Australia*. Cambridge: Cambridge University Press.
- Azevedo, Milton M. 1981. *A contrastive phonology of Portuguese and English*. Washington, D.C.: Georgetown University Press.
- Azevedo, Milton Mariano. 2005. *Portuguese: a linguistic introduction*. Cambridge; New York: Cambridge University Press.
- Bagemihl, Bruce. 1991. Syllable structure in Bella Coola. *Linguistic Inquiry* 22(4). 589–646.
- Bakovic, Eric. 1995. Strong onsets and Spanish fortition. In Chris Giordano & Daniel Ardrón (eds.), *Scil 6: Proc. 6th student conference in linguistics*, 21–39. Cambridge, MA: MIT Working Papers in Linguistics.
- Barlow, Jessica A. 2005. Phonological change and the representation of consonant clusters in Spanish: A case study. *Clinical Linguistics & Phonetics* 19(8). 659–679.
- Barnils, P. 1933. Études de prononciations Catalanes à l'aide du palais artificiel. *Anuari de l'Oficina Romànica de Lingüística i Literatura* 6. 21–36.
- Basumatāri, Phukan C. 2005. *An introduction to the Boro language*. New Delhi: Mittal Publications.

- Batzarov, Zdravko. 2004. Arabic loan-words in Spanish. *Orbis Latinus* 27-06-2009. URL <http://www.orbilat.com/index.html>.
- Beachy, Marvin Dean. 2005. An overview of Central Dizin phonology and morphology. URL <http://hdl.handle.net/10106/206>.
- Bell, Alan. 1978. Syllabic consonants. In J. H. Greenberg (ed.), *Universals of Human Language*, vol. 2: *Phonology*, 153–201. Stanford: Stanford University Press.
- Bender, Byron. 1968. Marshallese phonology. *Oceanic Linguistics* 7. 16–35.
- Berkowitz, D. 1986. *The effects of perceived cultural empathy on second language performance*. Ph.D. thesis, Columbia University.
- Bethin, Christina Y. 1998. *Slavic prosody: language change and phonological theory*, vol. 86. Cambridge; New York: Cambridge University Press.
- Bird, Steven. 1997. Dschang syllable structure. In *University of Edinburgh, centre for cognitive science*, 447–476. Oxford University Press.
- Blake, Barry J. 1979. Pitta-Pitta. In Robert M. W. Dixon & Barry J. Blake (eds.), *Handbook of Australian languages*, vol. 1, 183–242. Canberra: Australian National University Press.
- Blevins, Juliette. 2004. *Evolutionary phonology: the emergence of sound patterns*. Cambridge; New York: Cambridge University Press.
- Blevins, Juliette & Andrew Garrett. 1998. The origins of consonant-vowel metathesis. *Language* 74(3). 508–556.
- Bloomfield, Leonard. 1914. *An introduction to the study of language*. New York: Henry Holt and company.
- Blust, Robert. 1996. Low vowel dissimilation in Ere. *Oceanic Linguistics* 35(1). 96–112.
- Bolla, Kálmán. 1981. *A conspectus of Russian speech sounds*, vol. Bd. 32. Köln: Böhlau.
- Bolognesi, Roberto. 1998. *The phonology of Campidanian Sardinian: A unitary account of a self-organizing structure*. Amsterdam: Holland Academic Graphics.
- Bondarko, Lilia Vasilevna. 1977. *Zvukovoi stroi sovremennogo russkogo iazyka*. Moskva: Prosveshchenie.
- Bonet, Eulalia & Joan Mascaro. 1997. On the representation of contrasting rhotics. In Fernando Martinez-Gil & Alfonso Morales-Front (eds.), *Issues in the phonology and morphology of the major iberian languages*, 103–126. Washington, DC: Georgetown U Press.
- Booij, Geert. 1995. *The phonology of Dutch*. Oxford: Clarendon Press.
- Borowsky, Toni & Mark Harvey. 1997. Vowel-length in Warray and weight identity. *Phonology* 14(2). 161–175.
- Bortolini, Umberta & Laurence B. Leonard. 1991. The speech of phonologically disordered children acquiring Italian. *Clinical Linguistics & Phonetics* 5(1). 1–12.
- Bowern, Claire. 2001. Karnic classification revisited. In Jane H. Simpson (ed.), *Forty years on: Ken Hale and Australian languages*. Canberra: Pacific Linguistics, Research School of Pacific and Asian Studies, Australian National University.
- Bradley, Travis G. 2004. Gestural timing and rhotic variation in Spanish codas. In Timothy L. Face (ed.), *Laboratory approaches to Spanish phonology*, vol. 7, 197–224. Berlin; New York: Mouton de Gruyter.

- Bradley, Travis G. 2006. Metathesis in Judeo-Spanish consonant clusters. In Nuria Sagarra & Almeida Jacqueline Toribio (eds.), *Selected proceedings of the 9th hispanic linguistics symposium*, vol. 1, 79–90. Sommerville: Cascadilla Proceedings Project.
- Breen, Gavan. 1981. *The Mayu languages of the Queensland gulf country*. Canberra: Australian Institute of Aboriginal Studies.
- Browman, Catherine P. & Louis M. Goldstein. 1985. Dynamic modeling of phonetic structure. In Victoria A. Fromkin (ed.), *Phonetic linguistics. essays in honor of peter ladefoged*, 35–53. Orlando: Academic Press.
- Browman, Catherine P. & Louis M. Goldstein. 1986. Towards an articulatory phonology. *Phonology Yearbook* 3. 219–252.
- Browman, Catherine P. & Louis M. Goldstein. 1989. Articulatory gestures as phonological units. *Phonology* 6(2). 201–251.
- Browman, Catherine P. & Louis M. Goldstein. 1992. Articulatory phonology: an overview. *Phonetica* 49(3-4). 155–180.
- Browman, Catherine P. & Louis M. Goldstein. 1995. Gestural syllable position effects in American English. In Fredericka Bell-Berti & Lawrence J. Raphael (eds.), *Producing speech: contemporary issues (for katherine safford harris)*, 19–34. New York: AIP Press.
- Browman, Catherine P. & Louis M. Goldstein. 2000. Competing constraints on intergestural coordination and self-organization of phonological structures. *Bulletin de la Communication Parlee* 5. 25–34.
- Brown, H. A. 1973. The Eleman languages. In Karl J. Franklin (ed.), *The linguistic situation in the Gulf District and adjacent areas, Papua New Guinea*, vol. C 26, 279–376. Canberra: Pacific Linguistics.
- Brown, Nicholas J. 1996. *Russian learners' dictionary: 10,000 Russian words in frequency order*. London; New York: Routledge.
- Byrd, Dani. 1996. Influences on articulatory timing in consonant sequences. *Journal of Phonetics* 24(2). 209–244.
- Byrd, Dani, Stephen Tobin, Erik Bresch & Shrikanth Narayanan. 2009. Timing effects of syllable structure and stress on nasals: A real-time MRI examination. *Journal of Phonetics* 37(1). 97–110.
- Carlton, Terence R. 1991. *Introduction to the phonological history of the Slavic languages*. Columbus: Slavica Publishers.
- Carter, Paul & John Local. 2007. F2 variation in Newcastle and Leeds English liquid systems. *Journal of the International Phonetic Association* 37(02). 183–199.
- Carton, Fernand. 1974. *Introduction à la phonétique du français*. Paris: Bordas.
- Catford, J. C. 1977. *Fundamental problems in phonetics*. Bloomington: Indiana University Press.
- Catford, J. C. 1988. *A practical introduction to phonetics*. Oxford; New York: Clarendon Press; Oxford University Press.
- Chitoran, Ioana. 2002. *The phonology of Romanian: A constraint-based approach*. Walter de Gruyter.
- Chitoran, Ioana, Louis M. Goldstein & Dani Byrd. 2002. Gestural overlap and recoverability: Articulatory evidence from Georgian. In Carlos Gussenhoven & Natasha Warner

- (eds.), *Laboratory phonology 7*, 419–447. Berlin; New York: Mouton de Gruyter.
- Chomsky, Noam & Morris Halle. 1968. *The sound pattern of English*. New York: Harper & Row.
- Clamons, Cynthia Rob. 2001. Oromo. In Jane Garry & Carl R. G. Rubino (eds.), *Facts about the world's languages: an encyclopedia of the world's major languages, past and present*. New York: H.W.Wilson.
- Clements, G. N. 2009. Does sonority have a phonetic basis? In Eric Raimy & Charles E. Cairns (eds.), *Contemporary views on architecture and representations in phonology*. Cambridge, Mass.: MIT Press.
- Clements, George N. 1990. The role of the sonority cycle in core syllabification. In John Kingston & Mary E. Beckman (eds.), *Papers in laboratory phonology 1: Between the grammar and physics of speech*, vol. 1, 283–333. Cambridge; New York: Cambridge University Press.
- Cohn, Abigail. 1992. The consequences of dissimilation in Sundanese. *Phonology* 9. 199–220.
- Colantoni, Laura & Jeffrey Steele. 2005. Liquid asymmetries in French and Spanish. *Toronto Working Papers in Linguistics* 24. 1–14.
- Colina, Sonia. 2006. Optimality-theoretic advances in our understanding of Spanish syllable structure. In Fernando Martínez-Gil & Sonia Colina (eds.), *Optimality-theoretic studies in Spanish phonology*, vol. 99, 172–204. Amsterdam; Philadelphia: John Benjamins.
- Cowan, Hendrik Karel Jan. 1965. *Grammar of the Sentani language*. The Hague: Martinus Nijhoff.
- Crosswhite, Katherine. 2001. Predicting syllabicity and moraicity in Dihovo Macedonian. In J. S. Magnuson & Katherine Crosswhite (eds.), *University of Rochester Working Papers in the Language Sciences*, vol. 2, 1–22. Rochester: University of Rochester.
- Crowhurst, Megan & Mark Hewitt. 1995. Prosodic overlay and headless feet in Yidiny. *Phonology* 12. 39–84.
- Crowley, Terry. 1979. Yaygir. In Robert M. W. Dixon & Barry J. Blake (eds.), *Handbook of Australian languages*, vol. 1, 363–384. Amsterdam: John Benjamins.
- Cruz-Ferreira, Madalena. 1995. European Portuguese. *Journal of the International Phonetic Association* 25(02). 90–94.
- Cubberley, Paul V. 2002. *Russian: a linguistic introduction*. Cambridge; New York: Cambridge University Press.
- van Dam, Mark. 2004. Word final coda typology. *Journal of Universal Language* 5(1). 119–148.
- Dehaene-lambertz, G. & T. Gliga. 2004. Common neural basis for phoneme processing in infants and adults. *J.Cognitive Neuroscience* 16(8). 1375–1387.
- Delattre, Pierre & Donald C. Freeman. 1968. A dialect study of American r's by x-ray motion picture. *Linguistics* 44. 29–68.
- Dell, Francois & Mohamed Elmedlaoui. 1988. Syllabic consonants in Berber: Some new evidence. *Journal of African Languages and Linguistics* 10. 1–17.
- Dench, Alan Charles. 1991. Panyjima. In *The Aboriginal language of Melbourne and other grammatical sketches*, vol. 4, 125–244. Melbourne: Oxford University Press.

- Dinnsen, Daniel A. 1992. Variation in developing and fully developed phonetic inventories. In C. e. a. Ferguson (ed.), *Phonological development*, 191–210. Timonium, Maryland: York Press.
- D'Introno, Francesco, N. Rojas & Juan Manuel Sosa. 1979. Estudio sociolingüístico de las líquidas en posición final de sílaba y final de palabra en el Español de Caracas. *Boletín de la Academia Portorriqueña de la Lengua Española* VII(2). 59–100.
- Dixon, Robert M. W. 1972. *The Dyirbal language of north Queensland*. Cambridge: Cambridge University Press.
- Dixon, Robert M. W. 1977. *A grammar of Yidiny*. Cambridge: Cambridge University Press.
- Dixon, Robert M. W. 1980. *The languages of Australia*. Cambridge: Cambridge University Press.
- Dixon, Robert M. W. 1991. Mbabaram. In Robert M. W. Dixon & Barry Blake (eds.), *The handbook of Australian languages*, vol. 4. Melbourne: Oxford University Press Australia.
- Dogil, Grzegorz. 2001. Underspecification, natural classes, and the sonority hierarchy. In Charles W. Kreidler (ed.), *Phonology: critical concepts*, 322–389. London; New York: Routledge.
- Donegan, Patricia J. 1985. *On the natural phonology of vowels*. New York: Garland.
- Donohue, Mark. 1999. *A grammar of Tukang Besi*. Berlin; New York: Mouton de Gruyter.
- Downing, Laura J. 2001. Liquid spirantisation in Jita. *Malilime: Malawian Journal of Linguistics* 2. 1–27.
- Dunstan, Elizabeth. 1969. *Twelve Nigerian languages*. New York: Africana Pub. Corp.
- Elliott, Raymond A. 1997. On the teaching and acquisition of pronunciation within a communicative approach. *Hispania* 80(1). 95–108.
- Elugbe, Ben Ohio.mamhe. 1989. *Comparative Edoïd: phonology and lexicon*, vol. 6. Nigeria: University of Port Harcourt Press.
- Engstrand, Olle & Diana Krull. 2001. Simplification of phonotactic structures in unscripted Swedish. *Journal of the International Phonetic Association* 31(1). 41–50.
- Everett, Daniel. 1982. Phonetic rarities in Pirahã. *Journal of the International Phonetic Association* 12(2). 94–96.
- Face, Timothy L. & Mandy Menke. 2008. Acquisition of the Spanish rhotics by L2 learners. In *Lasp4: Laboratory approaches to Spanish phonology*. University of Texas.
- Fallon, Paul D. 1993. Liquid dissimilation in Georgian. *Proceedings of the Eastern States Conference on Linguistics (ESCOL)* 10. 105–116.
- Fallon, Paul D. 2002. *The synchronic and diachronic phonology of ejectives*. New York: Routledge.
- Fant, Gunnar. 1960. *Acoustic theory of speech production, with calculations based on x-ray studies of Russian articulations*. s'Gravenhage: Mouton.
- Fant, Gunnar. 2004. *Speech acoustics and phonetics*, vol. 24. Dordrecht; Boston: Kluwer Academic.
- Farnetani, Edda. 1990. V-c-v lingual coarticulation and its spatio-temporal domain. In William J. Hardcastle & Alain Marchal (eds.), *Speech production and speech modelling*,

- 93–100. Dordrecht; Boston: Kluwer Academic Publishers.
- Firchow, Irwin & Jacqueline Firchow. 1969. An abbreviated phoneme inventory. *Anthropological Linguistics* 11(9). 271–276.
- Fletcher, Paul & Michael Garman. 1986. *Language acquisition: studies in first language development*. Cambridge; New York: Cambridge University Press.
- Foley, James. 1977. *Foundations of theoretical phonology*. Cambridge: Cambridge University Press.
- Foley, William A. 1986. *The Papuan languages of New Guinea*. Cambridge: Cambridge University Press.
- Franz, Chester I. 1976. *Gadsup sentence structure*, vol. 10. Ukarumpa, Papua New Guinea: Summer Institute of Linguistics.
- Frigeni, Chiara. 2005. The development of liquids from Latin to Campidanian Sardinian: The role of contrast and structural similarity. In *Romance languages and linguistic theory 2003: Selected papers from "going romance"*, 81–96. Amsterdam: John Benjamins.
- Fudge, E. C. 1967. The nature of phonological primes. *Journal of Linguistics* 3(1). 1–36.
- Gafos, Adamantios I. 1999. *The articulatory basis of locality in phonology*. New York: Garland.
- Gafos, Adamantios I. 2002. A grammar of gestural coordination. *Natural Language & Linguistic Theory* 20(2). 269–337.
- Gick, Bryan. 2003. Articulatory correlates of ambisyllabicity in English glides and liquids. In John Local, Richard Ogden & R. A. M. Temple (eds.), *Papers in laboratory phonology vi: Phonetic interpretation*, 222–236. Cambridge; New York: Cambridge University Press.
- Gick, Bryan, Fiona Campbell, Sunyoung Oh & Linda Tamburri-Watt. 2006. Toward universals in the gestural organization of syllables: A cross-linguistic study of liquids. *Journal of Phonetics* 34(1). 49–72.
- Gick, Bryan, Khalil Iskarous, Douglas H. Whalen & Louis M. Goldstein. 2003. Constraints on variations in the production of English /r/. In *Proceedings of the 6th international seminar on speech production*, 73–78. Sydney: ISSP.
- Gick, Bryan, A. Min Kang & Douglas H. Whalen. 2002. MRI evidence for commonality in the post-oral articulations of English vowels and liquids. *Journal of Phonetics* 30(3). 357–371.
- Giles, Stephen B. & Kenneth L. Moll. 1975. Cinefluorographic study of selected allophones of English /l/. *Phonetica* 31(3-4). 206–227.
- Goldsmith, John A. 1990. *Autosegmental and metrical phonology*. Oxford; Cambridge, MA: Blackwell.
- Goldstein, Brian & Patricia Cintrón. 2001. An investigation of phonological skills in Puerto Rican Spanish-speaking 2-year-olds. *Clinical Linguistics & Phonetics* 15(5). 343–361.
- Goldstein, Brian A. & Aquiles Iglesias. 1996. Phonological patterns in normally developing Spanish-speaking 3- and 4-year-olds of Puerto Rican descent. *Language, Speech, and Hearing Services in Schools* 27(1). 82–90.
- Goldstein, Louis M. & Carol A. Fowler. 2003. Articulatory phonology: a phonology for public language use. In Niels O. Schiller & Antje Meyer (eds.), *Phonetics and phonology in language comprehension and production: differences and similarities*, vol. 6, 159–208.

- Berlin ; New York: Mouton de Gruyter.
- Green, Lisa J. 2002. *African American English: a linguistic introduction*. Cambridge; New York: Cambridge University Press.
- Guerra, Rafael. 1983. Recuento estadístico de la sílaba en español. *Estudios de Fonética (1): Collectanea Phonetica VII*. 9–112.
- Hall, Tracy Alan. 2009. Liquid dissimilation in Bavarian German. *Journal of Germanic Linguistics* 21(01). 1–36.
- Halle, Morris. 1959. *The sound pattern of Russian*. The Hague: Mouton.
- Hancock, Ian F. 1969. A provisional comparison of the English-based atlantic creoles. *African Languages Review* 8. 7–72.
- Hancock, Ian F. 1974. English in Liberia. *American Speech* 49(3/4). 224–229.
- Hardcastle, William J. & William Barry. 1989. Articulatory and perceptual factors in /l/ vocalisations in English. *Journal of the International Phonetic Association* 15(2). 3–17.
- Hardcastle, William J. & Nigel Hewlett. 1999. *Coarticulation: Theory, data and techniques*. Uk: Cambridge U Press.
- Harris, James W. 1969. *Spanish phonology*. Cambridge, MA: MIT Press.
- Harris, James W. 1983. *Syllable structure and stress in Spanish: a nonlinear analysis*. Cambridge, MA: MIT Press.
- Harris, John. 2006. The phonology of being understood: Further arguments against sonority. *Lingua* 116(10). 1483–1494.
- Harris-Northall, Ray. 1990. *Weakening processes in the history of Spanish consonants*. London; New York: Routledge.
- Harrison, Sheldon P. & Salich Y. Albert. 1976. *Mokilese reference grammar*. Honolulu: University Press of Hawaii.
- Haspelmath, Martin. 1993. *A grammar of Lezgian*, vol. 9. Berlin: Mouton de Gruyter.
- Havlík, Antonín. 1889. Kotázce jerové v staré češtině. *Listy Filologické* 16. 45–51.
- Hawkins, Sarah & N. Noël Nguyen. 2004. Influence of syllable-coda voicing on the acoustic properties of syllable-onset /l/ in English. *Journal of Phonetics* 32(2). 199–231.
- Hayes, Bruce, Robert Kirchner & Donca Steriade. 2004. *Phonetically-based phonology*. Cambridge: Cambridge University Press.
- Heath, Jeffrey. 1999. *A grammar of Koyra Chiini: the Songhay of Timbuktu*. Berlin; New York: Mouton de Gruyter.
- Heath, Jeffrey. 2007. Grammar of Humburi Senni. URL <http://www-personal.umich.edu/~jheath/>.
- Heath, Jeffrey. 2008. *A grammar of Jamsay*, vol. 45. Berlin; New York: Mouton de Gruyter.
- Heffner, R-M S. 1950. *General phonetics*. Madison: University of Wisconsin Press.
- Hoijer, Harry. 1974. *A Navajo lexicon*, vol. 78. Berkeley: University of California Press.
- von Holst, Erich. 1973. *The behavioural physiology of animals and man; the collected papers of Erich von Holst*. Coral Gables, Fla.: University of Miami Press.
- Holton, David B. 1995. Assimilation and dissimilation of sundanese liquids. In Jill Beck-

- man, Laura Walsh Dickey & Suzanne Urbanczyk (eds.), *Papers in optimality theory*, 167–180. Amherst, Mass.: GLSA Publications.
- Hooper-Bybee, Joan. 1972. A note on inserted and deleted vowels. In *Language universals*, vol. 10, 141–144. Stanford: Stanford University Working Papers.
- Howard, Linda. 1967. Camsa phonology. In Viola G. Waterhouse (ed.), *Phonemic systems of Colombian languages*, 73–87. Norman, OK: Summer Institute of Linguistics.
- Hualde, José Ignacio. 1991. *Basque phonology*. London; New York: Routledge.
- Hualde, Jose Ignacio. 2005. *The sounds of Spanish*. Cambridge: Cambridge University Press.
- Hume, Elizabeth. 2008. Metathesis website. URL <http://www.ling.ohio-state.edu/~ehume/metathesis>.
- Hurd, Conrad, Phyllis Hurd & Summer Institute of Linguistics. 1966. *Nasioi language course*. Port Moresby: Dept. of Information and Extension Services, T.P.N.G.
- Hutchison, John P. & Neil Skinner. 1981. *A reference grammar of the Kanuri language*. Madison; Boston: University of Wisconsin–Madison, African Studies Program; Boston University, African Studies Center.
- Ingram, David. 1989. *First language acquisition : method, description, and explanation*. Cambridge England ; New York: Cambridge University Press.
- Iskarous, Khalil. 2005. Patterns of tongue movement. *Journal of Phonetics* 33(4). 363–381.
- Iskarous, Khalil & Darya Kavitskaya. submitted. Stability through variability: The case of Russian palatalized trills.
- Itô, Junko & Armin Mester. 1995. Japanese phonology. In John Goldsmith (ed.), *Handbook of phonological theory*, 817–838. Cambridge, Mass.: Blackwell.
- Ito, Takayuki, Hiroaki Gomi & Masaaki Honda. 2000. Task dependent jaw-lip coordination examined by jaw perturbation during bilabial-consonant utterances. In *Proceedings of the 5th seminar on speech production: Motor planning and articulatory modelling, munich*, 41–44. Munich: Ludwig-Maximilians University.
- Iverson, Gregory K. & Hyang-Sook Sohn. 1994. Liquid representation in Korean. In Young-Key Kim-Renaud (ed.), *Theoretical issues in korean linguistics*, 77–100. Stanford: Center for the Study of Language and Information.
- Iwasaki, Shōichi & Inkapiromu Puriyā Horie. 2005. *A reference grammar of Thai*. Cambridge; New York: Cambridge University Press.
- Jakobson, Roman, Gunnar Fant & Morris Halle. 1952. *Preliminaries to speech analysis: the distinctive features and their correlates*. Cambridge, MA: Acoustics Laboratory, Massachusetts Institute of Technology.
- Jespersen, Otto. 1904. *Lehrbuch der Phonetik*. Leipzig and Berlin: B. G. Teubner.
- Jespersen, Otto. 1928. *A modern English grammar on historical principles*. London: Allen & Unwin.
- Jimenez, Beatrice C. 1987. Acquisition of Spanish consonants in children aged 3-5 years, 7 months. *Language, Speech, and Hearing Services in Schools* 18(4). 357–363.
- Jiménez Sabater, Max. 1975. *Más datos sobre el español en la República Dominicana*. Santo Domingo: Ediciones Intec.
- Johanson, Lars & Éva Csató. 1998. *The Turkic languages*. London; New York: Routledge.

- Johnstone, T. M., University of London. School of Oriental & African Studies. 1981. *Jibba?li lexicon*. Oxford Oxfordshire ; New York: Oxford University Press.
- Jones, Daniel & Dennis Ward. 1969. *The phonetics of Russian*. Cambridge: The University Press.
- Karunakaran, Krishnamurthy. 2000. *Simplified grammar of Tamil*. Chennai, India: Suvita Publishers.
- Kavitskaya, Darya. 2002. *Compensatory lengthening: phonetics, phonology, diachrony*. New York: Routledge.
- Kavitskaya, Darya. 2006. Perceptual salience and palatalization in Russian. In Louis Goldstein, D. H. Whalen & Catherine T. Best (eds.), *Laboratory phonology 8: Varieties of phonological competence*, 589–610. Berlin; New York: Mouton de Gruyter.
- Kelso, J. A. Scott, Betty Tuller, Eric Vatikiotis-Bateson & Carol A. Fowler. 1984. Functionally specific articulatory cooperation following jaw perturbations during speech: evidence for coordinative structures. *Journal of experimental psychology. Human perception and performance* 10(6). 812–832.
- Kenstowicz, Michael & Jerzy Rubach. 1987. The phonology of syllabic nuclei in slovak. *Language* 63(3). 463–497.
- Kenstowicz, Michael J. 1994. *Phonology in generative grammar*. Cambridge, MA: Blackwell.
- Kiparsky, Paul. 1979. Metrical structure assignment is cyclic. *Linguistic Inquiry* 10. 421–441.
- Klein, Thomas B. 2005. Infixation and segmental constraint effects: Um and in in tagalog, chamorro, and toba batak. *Lingua* 115(7). 959–995.
- Kochetov, Alexei. 2005. Phonetic sources of phonological asymmetries: Russian laterals and rhotics. In Claire Gurski (ed.), *Proc. 2005 Canadian Linguistics Association annual conference*. CLA-ACL.
- Kochetov, Alexei. 2006. Testing licensing by cue: a case of Russian palatalized coronals. *Phonetica* 63(2-3). 113–148.
- Krakow, Rena A. 1999. Physiological organization of syllables: a review. *Journal of Phonetics* 27(1). 23–54.
- Kreidler, Charles W. 2001. *Phonology: critical concepts*. London; New York: Routledge.
- Krishnamurti, Bhadriraju. 2003. *The Dravidian languages*. Cambridge; New York: Cambridge University Press.
- Kuno, Susumu. 1958. Phonemic structure of colloquial tamil. *Gengo Kenkyu* 34. 41–62.
- Ladefoged, Peter. 1971. *Preliminaries to linguistic phonetics*. Chicago: University of Chicago Press.
- Ladefoged, Peter. 1975. *A course in phonetics*. New York: Harcourt Brace Jovanovich.
- Ladefoged, Peter & Ian Maddieson. 1996. *The sounds of the world's languages*. Oxford; Cambridge, MA: Blackwell.
- Langacker, Ronald W. 1979. *Modern Aztec grammatical sketches*, vol. 56. Dallas: Summer Institute of Linguistics.
- Larsen, Iver A. 1991. A puzzling dissimilation process in Southern Nilotic. In M. Lionel Bender (ed.), *4th nilo-saharan colloquium, nilo-saharan linguistics analyses and documentation*, 263–272. Helmut buske Verlag.

- Lass, Roger. 1984. *Phonology: an introduction to basic concepts*. Cambridge; New York: Cambridge University Press.
- Laufer, Asher. 1999. Hebrew. In International Phonetic Association (ed.), *Handbook of the international phonetic association: a guide to the use of the international phonetic alphabet*, 96–99. Cambridge; New York: Cambridge University Press.
- Lee, Wai-Sum & Eric Zee. 2009. Hakka Chinese. *Journal of the International Phonetic Association* 39(01). 107–111.
- Leed, Richard L. 1963. A note on the phonemic status of Russian high unrounded vowels. *The Slavic and East European Journal* 7(1). 39–42.
- Leidner, David R. 1976. The articulation of American English /l/: A study of gestural synergy and antagonism. *Journal of Phonetics* 4. 327–335.
- Lewis, M. Paul. 2009. Ethnologue: Languages of the world, sixteenth edition. online version: <http://www.ethnologue.com>.
- Li, Min, Chandra Kambhampettu & Maureen Stone. 2005. Automatic contour tracking in ultrasound images. *Clinical Linguistics & Phonetics* 19(6-7). 545.
- Lieberman, Alvin M., Franklin S. Cooper, Donald P. Shankweiler & Michael Studdert-Kennedy. 1967. Perception of the speech code. *Psychological review* 74(6). 431–461.
- Lieberman, Alvin M., P. C. Delattre, Franklin S. Cooper & L. J. Gerstman. 1954. The role of consonant-vowel transitions in the perception of the stop and nasal consonants. *Psychological Monographs* 68. 1–13.
- Lindau, Mona. 1978. Vowel features. *Language* 54(3). 541–563.
- Lindau, Mona. 1985. The story of /r/. In Victoria Fromkin (ed.), *Phonetic linguistics: Essays in honor of peter ladefoged*, 157–168. Orlando: Academic Press.
- Lipski, John M. 1994. *Latin American Spanish*. London; New York: Longman.
- Lloret, Maria-Rosa. 1997. Sonorant dissimilation in the Iberian languages. In Fernando Martinez Gil & Alfonso Morales Front (eds.), *Issues in the phonology and morphology of the major iberian languages*, 127–150. Washington, DC: Georgetown U Press.
- Lönngren, Lennart. 1993. *A frequency dictionary of modern Russian*, vol. 32. Uppsala: Auu.
- López Morales, Humberto. 1983. *Estratificación social del español de San Juan de Puerto Rico*. México, Distrito Federal: UNAM.
- Lynch, John. 2009. Liquid vocalization and loss in central Vanuatu. *Oceanic Linguistics* 47(2). 294–315.
- M. Paul Lewis. 2009. Ethnologue: Languages of the world. Online version. URL <http://www.ethnologue.com>.
- Maddieson, Ian. 1981. Unusual consonant clusters and complex segments in Eggon. *Studies in African Linguistics* supp. 8. 89–92.
- Maddieson, Ian. 1984. *Patterns of sounds*. Cambridge: Cambridge University Press.
- Maddieson, Ian. 2008. Lateral consonants. In Martin Haspelmath, Matthew S. Dryer, David Gil & Bernard Comrie (eds.), *The world atlas of language structures online*, chap. 8. Munich: Max Planck Digital Library.
- Magnuson, Thomas J. 2007. The story of /r/ in two vocal tracts. *Proc. 16th International Congress of the Phonetic Sciences, 6-10 Aug., 2007, Saarbrücken Germany* 1193–1196.

- Maiden, Martin. 2000. Phonological dissimilation and clitic morphology in Italo-Romance. In Lori Repetti (ed.), *Phonological theory and the dialects of Italy*, 169–189. Amsterdam: John Benjamins.
- Maiden, Martin & M. M. Parry. 1997. *The dialects of Italy*. London; New York: Routledge.
- Major, Roy C. 1986. The ontogeny model: Evidence from L2 acquisition of Spanish. *Language Learning* 36(4). 453–504.
- Malmberg, Bertil. 1965. *Estudios de fonética hispánica*. Madrid: Consejo Superior de Investigaciones Científicas.
- Marrero, Aguiar Victoria. 1988. *Fonética estática y fonética dinámica*. Madrid: Universidad Complutense.
- Martínez Celdrán, Eugenio. 1984. *Fonética: con especial referencia a la lengua castellana*. Barcelona: Teide.
- Martínez Celdrán, Eugenio & Ana Maria Fernández-Planas. 2007. *Manual de fonética española: articulaciones y sonidos de español*. Barcelona: Editorial Ariel.
- Martínez Celdrán, Eugenio, Ana Maria Fernández Planas & Josefina Carrera Sabatá. 2003. Castilian Spanish. *Journal of the International Phonetic Association* 33(2). 255–259.
- Martins, Paula, Inês Carbone, Alda Pinto, Augusto Silva & António Teixeira. 2008. European Portuguese MRI based speech production studies. *Speech Communication* 50(11-12). 925.
- Mascaro, Joan. 1976. Catalan phonology and the phonological cycle.
- Massone, María I. & Jorge A. Gurlekian. 1981. The role of acoustic properties in the recognition of nasal and liquid Spanish consonants. *The Journal of the Acoustical Society of America* 70(S1). S33–S33.
- Mateus, Maria Helena Mira & Ernesto d' Andrade Pardo. 2000. *The phonology of Portuguese*. Oxford ; New York: Oxford University Press.
- Matisoff, James A. 2003. *Handbook of Proto-Tibeto-Burman: system and philosophy of Sino-Tibetan reconstruction*, vol. 135. Berkeley: University of California Press.
- Mattingly, Ignatius G. 1981. Phonetic representation and speech synthesis by rule. In Terry Myers, John Laver & John M. Anderson (eds.), *The cognitive representation of speech*, 415–420. Amsterdam; New York: Elsevier.
- Matusevich, M. I. 1976. *Sovremennyi russkii iazyk: fonetika*. Moskva: Prosveshchenie.
- McGowan, Richard S. 1992. Tongue-tip trills and vocal-tract wall compliance. *The Journal of the Acoustical Society of America* 91(5). 2903–2910.
- McGregor, William. 1990. *A functional grammar of Gooniyandi*. Amsterdam: John Benjamins.
- McLeod, Sharynne, Jan van Doorn & Vicki A. Reed. 2001. Normal acquisition of consonant clusters. *American Journal of Speech-Language Pathology* 10(2). 99.
- Menzerath, P. & A. de Lacerda. 1933. Koartikulation, Steuerung und Lautabgrenzung: Eine experimentelle Untersuchung. *Phonetische Studien* 1.
- Metcalf, C. D. 1975. *Bardi verb morphology (northwestern Australia)*. Canberra: Australia National University.
- Michaelis, Susanne. 2008. *Roots of creole structures: weighing the contribution of substrates and superstrates*, vol. 33. Amsterdam; Philadelphia: John Benjamins.

- Mielke, Jeff. 2005. Ambivalence and ambiguity in laterals and nasals. *Phonology* 22. 169–203.
- Mielke, Jeff. 2008. *The emergence of distinctive features*. Oxford; New York: Oxford University Press.
- Montreuil, Jean-Pierre. 1999. The Romansch syllable. In Harry van der Hulst & Nancy A. Ritter (eds.), *The syllable: views and facts*, 527–550. Berlin; New York: Mouton de Gruyter.
- Mufwene, Salikoko. 2001. Kikongo Kituba. In Jane Garry & Carl R. G. Rubino (eds.), *Facts about the world's languages: an encyclopedia of the world's major languages, past and present*. New York: H.W. Wilson.
- Myers, Terry, John Laver & John M. Anderson. 1981. *The cognitive representation of speech*, vol. 7. Amsterdam ; New York; New York: North-Holland Pub. Co.; Sole distributors for the U.S.A. and Canada, Elsevier North-Holland.
- Nam, Hosung, Louis Goldstein, Elliot Saltzman & Dani Byrd. 2004. TADA: An enhanced, portable Task Dynamics model in MATLAB. *The Journal of the Acoustical Society of America* 115(2). 2430.
- Nam, Hosung, Louis M. Goldstein & Elliot L. Saltzman. in press. Self-organization of syllable structure: A coupled oscillator model. In Ioana Chitoran, C. Coupé, E. Marisco & F. Pellegrino (eds.), *Approaches to phonological complexity*. Berlin: Mouton.
- Nam, Hosung & Elliot Saltzman. 2003. A competitive, coupled oscillator model of syllable structure. In *Proceedings of the 15th international congress of phonetic sciences, barcelona, spain, 2253–2256*.
- Navarro Tomás, Tomás. 1970. *Manual de pronunciación española*. Madrid: Consejo Superior de Investigaciones Científicas.
- Newman, Paul. 2000. *The Hausa language: an encyclopedic reference grammar*. New Haven: Yale University Press.
- Newton, Brian E. 1972. Loss of /r/ in a modern Greek dialect. *Language* 48(3). 566–572.
- Ní Chiosáin, Máire. 1991. *Topics in the Phonology of Irish*. Ph.D. thesis, University of Massachusetts Amherst.
- Ní Chiosáin, Máire. 1999. Syllables and phonotactics in Irish. In Harry van der Hulst & Nancy A. Ritter (eds.), *The syllable: views and facts*, vol. 45, 551–576. Berlin; New York: Mouton de Gruyter.
- Nieto-Castanon, Alfonso, Frank H. Guenther, Joseph S. Perkell & Hugh D. Curtin. 2005. A modeling investigation of articulatory variability and acoustic stability during American English /r/ production. *The Journal of the Acoustical Society of America* 117(5). 3196–3212.
- Nurse, Derek & Gérard Philippson. 2003. *The Bantu languages*, vol. 4. London; New York: Routledge.
- Odden, David A. 1994. Adjacency parameters in phonology. *Language* 70(2). 289–330.
- Ohala, John J. 1992. Alternatives to the sonority hierarchy for explaining segmental sequential constraints. *CLS: Papers from the Parasession on the Syllable* 319–338.
- Ohala, Manjari. 1994. Hindi. *Journal of the International Phonetic Association* 24(1). 35–38.
- Öhman, Sven E. G. 1966. Coarticulation in VCV utterances: Spectrographic measurements.

- The Journal of the Acoustical Society of America* 39(1). 151–168.
- Osborne, Charles R. 1974. *The Tiwi language: grammar, myths and dictionary of the Tiwi language spoken on Melville and Bathurst Islands, northern Australia*. Canberra: Australian Institute of Aboriginal Studies.
- Padgett, Jaye. 1995. *Stricture in feature geometry*. Stanford: CSLI Publications.
- Padgett, Jaye. 2001. Contrast dispersion and Russian palatalization. In Elizabeth Hume & Keith Johnson (eds.), *The role of speech perception in phonology*, 187–218. San Diego: Academic Press.
- Padgett, Jaye. 2003a. Contrast and postvelar fronting in Russian. *Natural Language and Linguistic Theory* 21. 39–87.
- Padgett, Jaye. 2003b. The emergence of contrastive palatalization in Russian. In D. Eric Holt (ed.), *Optimality theory and language change (studies in natural language and linguistic theory 56)*, 307–335. Dordrecht: Kluwer Academic Publishers.
- Padgett, Jaye. 2003c. Systemic contrast and Catalan rhotics. *Rutgers Optimality Archive* 574-0203.
- Parker, Steve. 2008. Sound level protrusions as physical correlates of sonority. *Journal of Phonetics* 1. 55–90.
- Patz, Elizabeth. 1991. Djabugay. In Robert M. W. Dixon & Barry Blake (eds.), *The handbook of Australian languages*, vol. 4, 245–347. Melbourne: Oxford University Press.
- Penny, Ralph J. 2002. *A history of the Spanish language*. Cambridge; New York: Cambridge University Press.
- Perkell, Joseph S., M. H. Cohen, M. A. Svirsky, M. L. Matthies, I. Garabieta & M. T. Jackson. 1992. Electromagnetic midsagittal articulometer systems for transducing speech articulatory movements. *The Journal of the Acoustical Society of America* 92(6). 3078–3096.
- Pfantz, Daryl & Mary Pfantz. 2005. Kuman language [simbu province]. In Steve Parker (ed.), *Phonological descriptions of png languages*, vol. 47, 19–26. SIL.
- Prince, Alan & Paul Smolensky. 1993/2004. Optimality theory: Constraint interaction in generative grammar. Tech. rep., Rutgers University.
- Pugh, Stefan. 2007. *A new historical grammar of the East Slavic languages*, vol. 27. München: Lincom Europa.
- Pukui, Mary Kawena & Samuel H. Elbert. 1979. *Hawaiian grammar*. Honolulu: University of Hawaii Press.
- Pukui, Mary Kawena & Samuel H. Elbert. 1986. *Hawaiian dictionary*. Honolulu: University of Hawaii Press.
- Purcell, Edward T. 1979. Formant frequency patterns in Russian VCV utterances. *The Journal of the Acoustical Society of America* 66(6). 1691–1702.
- Quilis, Antonio. 1963. *Fonética y fonología del español*. Madrid: CSIC.
- Quilis, Antonio. 1999. *Tratado de fonología y fonética españolas*. Madrid: Gredos.
- Quilis-Sanz, Maria José. 1998. Las consonantes [-r] y [-l] implosivas en andalucía. *Revista de Filología Española* 78. 125–156.
- Ramsey, S. Robert. 1987. *The languages of China*. Princeton: Princeton University Press.

- Recasens, D. 1984. V-to-C coarticulation in Catalan VCV sequences: An articulatory and acoustical study. *Journal of Phonetics* 12(1). 61–73.
- Recasens, Daniel. 2002. An EMA study of VCV coarticulatory direction. *The Journal of the Acoustical Society of America* 111(6). 2828–2841.
- Recasens, Daniel. 2004. Darkness in l as a scalar phonetic property: implications for phonology and articulatory control. *Clinical Linguistics & Phonetics* 18. 593–603(11).
- Recasens, Daniel, Jordi Fontdevila & Maria Dolors Pallarès. 1995. Velarization degree and coarticulatory resistance for /l/ in Catalan and German. *Journal of Phonetics* 23(1-2). 37–52.
- Recasens, Daniel & Maria Dolors Pallarès. 1999. A study of /r/ and /r/ in the light of the “DAC” coarticulation model. *Journal of Phonetics* 27(2). 143–169.
- Reesink, Ger P. 1998. *A grammar of Hatam: Bird's Head Peninsula, Irian Jaya, Indonesia*. Canberra: Pacific Linguistics, Australian National University.
- Reformatskii, Alexander A. 1958. O korrelatsii “tverdykh” i “miagkikh” soglasnykh (v sovremennom russkom literaturnom iazyke). In Emil Petrovici (ed.), *Mélanges linguistiques offerts à emil petrovici par ses amis étrangers a l'occasion de son soixantième anniversaire*, 494–499. Bucarest: Editura Academiei Republicii Populare Romine.
- Rochoń, Marzena. 2000. *Optimality in complexity: the case of Polish consonant clusters*, vol. 48. Berlin: Akademie Verlag.
- Rose, Sharon & Rachel Walker. 2004. A typology of consonant agreement as correspondence. *Language* 80(3). 475–532.
- Rosen, Nicole. 2007. *Domains in Michif phonology*. Ph.D. thesis, University of Toronto Department of Linguistics.
- Rubach, Jerzy. 1993. *The lexical phonology of Slovak*. Oxford: Oxford University Press.
- Saltzman, Elliot. 1986. Task dynamic coordination of the speech articulators: a preliminary model. In H. Heuer & Christoph Fromm (eds.), *Generation and modulation of action patterns*, 277. Berlin; New York: Springer-Verlag.
- Saltzman, Elliot L. & Kevin G. Munhall. 1989. A dynamical approach to gestural patterning in speech production. *Haskins Laboratories Status Report on Speech Research* 99-100. 38–68.
- Saltzman, Elliot L., Philip E. Rubin, Louis Goldstein & Catherine P. Browman. 1987. Task-dynamic modeling of interarticulator coordination. *The Journal of the Acoustical Society of America* 82(S1). S15.
- Samarin, William J. 1966. *The Gbeya language; grammar, texts, and vocabularies*, vol. 44. Berkeley: University of California Press.
- Sands, Bonny, Ian Maddieson & Peter Ladefoged. 1996. The phonetic structures of Hadza. *Studies in African Linguistics* 25(2). 171–204.
- Sankoff, Gillian & Helene Blondeau. 2007. Language change across the lifespan: /r/ in Montreal French. *Language* 83(3). 560–588.
- de Saussure, Ferdinand. 1915. *Course in general linguistics*. New York: McGraw Hill.
- Schadeberg, Thilo C. 1990. *A sketch of Umbundu*, vol. Bd. 1. Köln: R. Köppe Verlag.
- Scheer, Tobias. 2004. *A lateral theory of phonology. vol 1: What is CVCV, and why should it be?*

- Berlin; New York: Mouton de Gruyter.
- Schiffman, Harold F. 1999. *A reference grammar of spoken Tamil*. New York: Cambridge University Press.
- Schiller, Niels O. 1999. The phonetic variation of German /r/. *Germanistische Linguistik* 141-142. 261–287.
- Schmeiser, Benjamin. 2009. An acoustic analysis of intrusive vowels in Guatemalan Spanish /rc/ clusters. *University of Pennsylvania Working Papers in Linguistics* 15. URL <http://repository.upenn.edu/pwpl/vol115/iss1/22>.
- Sharoff, Serge. 2002. Meaning as use: exploitation of aligned corpora for the contrastive study of lexical semantics. In *Proc. of language resources and evaluation conference (lrec02)*, 447–452.
- Sievers, E. 1881. *Grundzuge der Phonetik*. Leipzig: Breitkopf and Hartel.
- Skalozub, Larisa Georgievna. 1963. *Palatogrammy i rentgenogrammy soglasnykh fonem russkogo literaturnogo iazyka*, vol. 3. Kiev: Izdatel'stvo Kievskogo universiteta.
- Smit, Ann Bosma. 1993. Phonologic error distributions in the Iowa-Nebraska articulation norms project: Word-initial consonant clusters. *Journal of speech and hearing research* 36(5). 931–947.
- Smith, Jennifer. To appear. Onset sonority constraints and subsyllabic structure. In John R. Rennison, Friedrich Neubarth & Markus A. Pöchtrager (eds.), *Phonologica 2002*. Berlin: Mouton de Gruyter.
- Solnit, David B. 1997. *Eastern Kayah Li: grammar, texts, glossary*. Honolulu: University of Hawaii Press.
- Sproat, Richard & Osamu Fujimura. 1993. Allophonic variation in English /l/ and its implications for phonetic implementation. *Journal of Phonetics* 21(3). 291–311.
- Steriade, Donca. 1987. Redundant values. In A. Bosch, B. Need & E. Schiller (eds.), *Cls 23: Parasession on autosegmental and metrical phonology*, 339–362. Chicago: Chicago Linguistic Society.
- Stevens, Kenneth N., Samuel Jay Keyser & Haruko Kawasaki. 1986. Toward a phonetic and phonological theory of redundant features. In J. S. Perkell & D. H. Klatt (eds.), *Invariance and variability in speech processes*, 426–449. Hillsdale, New Jersey: Lawrence Erlbaum.
- Stoel, Caroline. 1973. Note on the acquisition of sonorants in Spanish. *Papers and Reports on Child Language Development* 6. 107–116.
- Straka, Georges. 1965. *Album phonétique*. Quebec: Presses de l'Université Laval.
- Stringer, Mary D. & Joyce M. Hotz. 1973. Waffa phonemes. In Howard McKaughan (ed.), *The languages of the eastern family of the east New Guinea highland stock*, 523–529. Seattle: University of Washington Press.
- Stucky, Alfred & Dellene Stucky. 1973. Nii phonology. In Alan Healey (ed.), *Workpapers in Papua New Guinea languages*, 37–78. Ukarumpa, PNG: Summer Institute of Linguistics.
- Studdert-Kennedy, Michael & Louis M. Goldstein. 2003. Launching language: The gestural origin of discrete infinity. In M. H. Christiansen & S. Kirby (eds.), *Language evolution: The states of the art*. Oxford University Press.

- Thurgood, Graham. 1999. *From ancient Cham to modern dialects: two thousand years of language contact and change*, vol. 28. Honolulu: University of Hawai'i Press.
- Timberlake, Alan. 2004. *A reference grammar of Russian*. Cambridge; New York: Cambridge University Press.
- Topping, Donald M. & Bernadita C. Dungca. 1973. *Chamorro reference grammar*. Honolulu: University Press of Hawaii.
- van der Torre, Erik J. 2003. *Dutch sonorants: the role of place of articulation in phonotactics*. Utrecht: Lot.
- Trapman, Mirjam. 2007. *Phonotactic constraints on consonant clusters in second language acquisition*. Master's thesis, Utrecht University.
- Trask, Robert L. 1997. *The history of Basque*. London; New York: Routledge.
- Trautmann, Moritz. 1880. Besprechung einiger schulbücher nebst bemerkungen über die r-laute. *Anglia* 3. 204–222.
- Trefry, David. 1969. *A comparative study of Kuman and Pawaian*. Canberra: Australian National University.
- Tregear, Edward. 1969. *The Maori-Polynesian comparative dictionary*. Oosterhout: Anthropological Publications.
- Trubetzkoy, Nikolai S. 1969. *Principles of phonology*. Berkeley: University of California Press.
- Trudgill, Peter. 1989. The sociophonetics of /l/ in the Greek of sphakiá. *Journal of the International Phonetic Association* 15(02). 18–22.
- Tucker, Archibald Norman. 1940. *The Eastern Sudanic languages*. London: Oxford University Press, for the International Institute of African Languages and Cultures.
- Turner, Blaine. 1986. *A teaching grammar of the Manam language*, 8/7/2009. Ukarumpa, Papua New Guinea: Summer Institute of Linguistics.
- Turvey, M. T. 1990. Coordination. *The American Psychologist* 45(8). 938–953.
- van der Tuuk, Herman N. 1971. *A grammar of Toba Batak*. The Hague: Nijhoff.
- Ultan, Russell. 1978. A typological view of metathesis. In Joseph Greenberg (ed.), *Universals of human language*, 367–402. Stanford: Stanford University Press.
- Vaux, Bert. 2009. The syllable appendix. In Eric Raimy & Charles E. Cairns (eds.), *Contemporary views on architecture and representations in phonology*. Cambridge, MA: MIT Press.
- Vennemann, Theo. 1988. *Preference laws for syllable structure and the explanation of sound change: with special reference to German, Germanic, Italian, and Latin*. Berlin; New York: Mouton de Gruyter.
- Versteegh, C. H. M. 1997. *The Arabic language*. New York: Columbia University Press.
- Verstraeten, B. & H. van de Velde. 2001. Socio-geographical variation in Standard Dutch. In H. van de Velde & R. van Hout (eds.), *'r-atics': Sociolinguistic, phonetic and phonological characteristics of /r/*, 45–61. Bruxelles: ILVP.
- Vihman, Marilyn M. 1996. *Phonological development: the origins of language in the child*. Cambridge: Blackwell.
- Wade, Terence Leslie Brian. 1996. *Russian etymological dictionary*. London; Newburyport:

Bristol Classical Press; Focus Information Group.

- Walsh Dickey, Laura. 1997. *The phonology of liquids*. UMass Amherst: GSLA.
- Watkins, Calvert. 1992. *Proto-Indo-European: Comparison and reconstruction*. Cambridge MA: Harvard University.
- Webb, Eric Russell & Travis G. Bradley. 2009. Rhotic metathesis asymmetries in Romance: Formalizing the effects of articulation and perception on sound change. In Pascual J. Masullo, Erin O'Rourke & Chia-Hui Huang (eds.), *Romance linguistics 2007 – structure, interfaces, and microparametric variation: selected papers from the 37th linguistic symposium on romance languages (lsrl), pittsburgh, 15-18 march 2007*, 321–337. Philadelphia: John Benjamins.
- Whalen, D. H., Khalil Iskarous, Mark K. Tiede, David J. Ostry, Heike Lehnert-LeHouillier, Eric Vatikiotis-Bateson & Donald S. Hailey. 2005. The Haskins Optically Corrected Ultrasound System (hocus). *Journal of Speech, Language, and Hearing Research* 48(3). 543–553.
- Wheeler, Max. 1979. *Phonology of Catalan*. Oxford: Basil Blackwell.
- Whitney, William D. 1872. On the relation of vowels & consonants. In William D. Whitney (ed.), *Oriental and linguistic studies*, 357–373. Freeport, NY: Books for Libraries Press.
- Wiese, Richard. 1996. *The phonology of German*. Oxford: Clarendon Press.
- Wiese, Richard. 2001a. The phonology of /r/. In T. A. Hall (ed.), *Distinctive feature theory*, 335–368. Berlin: Mouton de Gruyter.
- Wiese, Richard. 2001b. The unity and variation of (German) /r/. *Etudes & Travaux* 4. 11–26.
- Willis, Erik W. 2006. Trill variation in Dominican Spanish: An acoustic examination and comparative analysis. In Nuria Sagarra & Almeida Jacqueline Toribio (eds.), *Selected proceedings of the 9th hispanic linguistics symposium*, vol. 1, 121–131. Sommerville: Cascadilla Proceedings Project.
- mee Y. Cho, Young. 2001. Language change and the phonological lexicon of Korean. In Laurel J. Brinton (ed.), *Historical linguistics 1999: Selected papers from the 14th international conference on historical linguistics*, 89–104. Amsterdam; Philadelphia: John Benjamins.
- Yavaş, Mehmet & Seyhun Topbaş. 2004. Liquid development in Turkish: Saliency vs. frequency. *Journal of Multilingual Communication Disorders* 2(2). 110–123.
- Yavaş, Mehmet S. 1998. *Phonology: development and disorders*. San Diego: Singular Pub. Group.
- Yearley, Jennifer. 1995. Jer vowels in Russian. In Jill Beckman, Laura Walsh Dickey & Suzanne Urbanczyk (eds.), *Papers in optimality theory*, 533–571. Amherst, Mass.: GLSA Publications.
- Zawadzki, Paul A. & David P. Kuehn. 1980. A cineradiographic study of static and dynamic aspects of American English /r/. *Phonetica: International Journal of Speech Science* 37. 253–266.
- Zec, Draga. 1995. Sonority constraints on syllable structure. *Phonology* 12. 85–129.
- Zharkova, Natalia. 2005. Strategies in the acquisition of segments and syllables in Russian-speaking children. *Developmental Paths in Phonological Acquisition. Special issue of Leiden Papers in Linguistics* 2(1). 189–213.
- Zharkova, Natalia & Nigel Hewlett. 2009. Measuring lingual coarticulation from midsagittal

tal tongue contours: Description and example calculations using English /t/ and /a/. *Journal of Phonetics* 37(2). 248–256.

Zuengler, Jane. 1982. Applying accommodation theory to variable performance data in L2. *Studies in Second Language Acquisition* 4(2). 181–192.

Appendix A

Language References

Primary sources of language data, and references for languages cited by name only, are listed below. Complete references may be found in the bibliography. Where the original source was not consulted, secondary references are given. Classifications are taken from Ethnologue (Lewis 2009). 'Location' refers only to the variety of the language relevant to the phonological examples cited, and is not intended to be a comprehensive description of the geographical spread of the language.

LANGUAGE	CLASSIFICATION	LOCATION	REFERENCE
Acehnese	Austronesian	Sumatra, Indonesia	Thurgood (1999)
Apache	Athapaskan	New Mexico, USA	Gafos (1999)
Arabana	Karnic	Central Australia	Bowern (2001)
Aramaic	Semitic	Middle East	Hume (2004)
Aramaic, Mandaic	Semitic	Iran, Iraq	Ultan (1978)
Armenian	Indo-European	Armenia	Hayes et al. (2004)
Avok	Austronesian	Malekula, Vanuatu	Lynch (2009)
Bardi	Pama-Nyungan	WA, Australia	Bowern (p.c.)
Bagnères-de-Luchon	Romance	Pyrennes, France	Ultan (1978)
Basque	Isolate	Spain; France	Trask (1997)
Bella Coola	Salishan	BC, Canada	Bagemihl (1991)
Berber, Tashlhiyt	Afro-Asiatic	Morocco	Dell et al. (2003)
Boro	Tibeto-Burman	Assam, India	Basumatāri (2005)
Breton	Celtic	Brittany, France	Ultan (1978)
Bukusu	Bantoid	Kenya	Odden (2004)
Bulgarian	South Slavic	Bulgaria	Blevins et al. (1998)
Camsá	Isolate	Colombia	Howard (1967)
Catalan	Romance	Spain; France	Wheeler (1979)
Chamic	Austronesian	Vietnam	Thurgood (1999)
Chamorro	Austronesian	Guam	Topping (1973)
Chinese, Hakka	Sino-Tibetan	Guangdong, China	Lee & Zee (2009)
Chinese, Mandarin	Sino-Tibetan	China	van Dam (2004)
Croatian	South Slavic	Croatia	Crosswhite (2001)
Czech	West Slavic	Czech Republic	Scheer (2004)

LANGUAGE	CLASSIFICATION	LOCATION	REFERENCE
Dairi	Malayo-Polynesian	Sumatra, Indonesia	van der Tuuk (1971)
Diyari	Pama-Nyungan	SA, Australia	Austin (1981)
Dizin	Omotiic	Ethiopia	Beachy (2005)
Djabugay	Pama-Nyungan	Qld, Australia	Patz (1991)
Dschang	Niger-Congo	Cameroon	Bird (1997)
Dutch	West Germanic	Netherlands; Belgium	Booij (1995)
Dutch, S.Netherlands	West Germanic	S.Netherlands	Verstraeten et al. (2001)
Dyirbal, Nganjan	Pama-Nyungan	SA, Australia	Kavitskaya (2002)
Ega	Kwa	Côte d'Ivoire	Connell et al. (2002)
Endo	Eastern Sudanic	Kenya	Larsen (1991)
English, AAV	West Germanic	USA	Green (2002)
English, Australian	West Germanic	Australia	Proctor
English, Liberian	West Germanic	Liberia	Hancock (1974)
English, UK	West Germanic	UK	Hardcastle et al. (1989)
Eskimo	Eskimo-Aleut	Canada; USA	Ultan (1978)
Fante	Niger-Congo	Ghana	Abakah (2005)
Flemish, Brabant	West Germanic	Brabant, Belgium	Verstraeten et al. (2001)
French	Romance	France; Belgium	Carton (1974)
French, Agde	Romance	Agde, France	Ultan (1978)
French, Montreal	Romance	QC, Canada	Sankoff (2007)
Gadsup	Trans-New Guinea	E.Highlands, PNG	Frantz (1976)
Gayo	Malayo-Polynesian	Sumatra, Indonesia	Hume (2004)
German	West Germanic	Central Europe	Wiese (2001)
German, Berlin	West Germanic	Berlin, Germany	Wiese (2001)
Georgian	South Caucasian	Georgia	Fallon (1993)
Greek, Attic	Indo-European	Eastern Europe	Allen (1973)
Greek, Homeric	Indo-European	Eastern Europe	Allen (1973)
Greek, Modern	Indo-European	Greece	Newton (1972)
Greek, Sphakia	Indo-European	Crete, Greece	Trudgill (1989)
Gbeya	Niger-Congo	C.African Republic	Samarin (1966)
Gonja	Niger-Congo	Ghana	Zec (1995)
Gooniyandi	Bunaban	WA, Australia	McGregor (1990)
Gothic	East Germanic	Ukraine	Chomsky et al. (1968)
Ghotuo	Niger-Congo	Nigeria	Elugbe (1989)
Guugu Yimidhirr	Pama-Nyungan	Qld, Australia	Dixon (1980)
Hadza	Khoisan	Tanzania	Sands et al. (1993)
Hausa	Chadic	Nigeria	Newman (2000)
Hatam	Isolate	Papua, Indonesia	Reesink (1998)
Hawaiian	Polynesian	Hawaii	Pukui et al. (1979)
Hebrew, Modern	Semitic	Israel	Laufer (1999)
Hindi	Indo-Aryan	India	Ohala (1994)
Iban	Malayo-Polynesian	Sarawak, Malaysia	Blust (1996)
Icelandic	North Germanic	Iceland	van de Torre (2003)
Igbo	Niger-Congo	Nigeria	Dunstan (1969)
Irish	Celtic	Ireland	Ní Chiosáin (1999)
Italian	Romance	Italy	Maiden (2000)
Italian, Florentine	Romance	Florence, Italy	Holton (1994)
Jamsay	Niger-Congo	Mali	Heath (2008)
Japanese	Japonic	Japan	Itô (1995)
Javanese	Malayo-Polynesian	Java, Indonesia	Blust (1996)
Jibbali	Semitic	Oman	Johnstone (1981)
Jita	Bantoid	Tanzania	Downing (2001)

LANGUAGE	CLASSIFICATION	LOCATION	REFERENCE
Kaititj	Arandic	NT, Australia	Ladefoged et al. (1996)
Kanuri	Nilo-Saharan	Niger; Chad	Hutchison (1981)
Kammu	Mon-Khmer	Burma	Thurgood (1999)
Karnic	Pama Nyungan	Central Australia	Bowern (2001)
Kayah Li, Eastern	Tibeto-Burman	Burma	Solnit (1997)
Kazakh	Turkic	Kazakhstan	Johanson et al. (1998)
Keliko	Central Sudanic	Sudan	Tucker (1940)
Kikongo Kituba	Creole (Kongo)	Congo	Mufwene (2001)
Komi	Uralic	Russian Federation	Kavitskaya (2002)
Korean	Isolate	Korea	Iverson et al. (1994)
Korean, 5th C.	Isolate	Korea	Cho (2001)
Koyra Chiini	Nilo-Saharan	Mali	Heath (2008)
Kuman	Trans-New Guinea	Simbu, PNG	Trefry (1969)
Lardil	Tangkic	NT, Australia	Round (p.c.)
Latin	Italic	Southern Europe	Allen (1973)
Lezgi	North Caucasian	Dagestan, Russ. Fed.	Haspelmath (1993)
Lithuanian	Baltic	Lithuania	Levin (2001)
Logo	Central Sudanic	D.R. Congo	Tucker (1940)
Macedonian	South Slavic	Dihovo, Macedonia	Crosswhite (2001)
Malay	Malayo-Polynesian	Malaysia	van der Tuuk (1971)
Manam	North New Guinea	Madang, PNG	Turner (1986)
Maori	Polynesian	New Zealand	Tregear (1969)
Marathi	Indo-Aryan	Maharashtra, India	Ultan (1978)
Maskelynes	Austronesian	Vanuatu	Lynch (2009)
Mayi	Pama-Nyungan	Qld, Australia	Breen (1981)
Mbabaram	Pama-Nyungan	Qld, Australia	Dixon (1991)
Menangkabau	Malayo-Polynesian	Sumatra, Indonesia	van der Tuuk (1971)
Michif	Mixed: French-Cree	Manitoba, USA	Rosen (2007)
Mokilese	Far Oceanic	Micronesia	Harrison et al. (1976)
Mongolian	Mongolic	Mongolia	Ramsey (1987)
Moru-Madi	Central Sudanic	Uganda, Sudan	Tucker (1940)
Nahuatl	Uto-Aztecan	Mexico	Langacker (1979)
Nasioi	South Bougainville	Bougainville, PNG	Hurd et al. (1966)
Navajo	Athapaskan	Ar, NM, Ut, USA	Hojjer (1974)
Nii	Trans-New Guinea	W. Highlands, PNG	Stucky et al. (1973)
Onondaga	Iroquoian	ON, Canada	Kavitskaya (2002)
Oromo	Cushitic	Ethiopia	Fallon (2002)
Panyjima	Pama-Nyungan	WA, Australia	Dench (1991)
Persian	Indo-Aryan	Iran	Ultan (1978)
Pirahã	Mura	Brazil	Everett (1982)
Pitta-Pitta	Pama-Nyungan	Qld, Australia	Blake (1979)
Polish	West Slavic	Poland	Blevins et al. (1998)
Polynesian, Eastern	Austronesian	Oceania	Blust (1996)
Portuguese	Romance	Portugal; Brazil	Azevedo (2005)
Portuguese, Caipira	Romance	São Paulo, Brazil	Azevedo (1981)
Portuguese, European	Romance	Portugal	Cruz Ferreira (2004)
Proto-Polynesian	Austronesian	Oceania	Tregear (1969)
Proto-Slavic	Indo-European	Eastern Europe	Blevins et al. (1998)
Rade	Austronesian	Vietnam	Thurgood (1999)
Romanian	Romance	Romania	Chitoran (2002)
Romansch	Romance	Switzerland	Montreuil (1999)
Rotokas	North Bougainville	Bougainville, PNG	Firchow et al. (1969)

LANGUAGE	CLASSIFICATION	LOCATION	REFERENCE
Russian	East Slavic	Eastern Europe	Timberlake (2004)
Sabaot	Eastern Sudanic	Kenya	Larsen (1991)
Salar	Turkic	China	Johanson et al. (1998)
Samoan	Polynesian	Samoa	Tregear (1969)
Sanskrit, Vedic	Indo-European	India	Watkins (1992)
Sardinian, Campadinian	Romance	South Sardinia	Frigeni (2005)
Sardinian, Sestu	Romance	Sestu, Sardinia	Smith (2005)
Serbian	South Slavic	Serbia, Montenegro	Crosswhite (2001)
Serbo-Croatian	South Slavic	Yugoslavia	Gick et al. (2006)
Spanish	Romance	Spain	Hualde (2005)
Spanish, Andalusian	Romance	Spain	Holton (1994)
Spanish, Carribean	Romance	Carribean	Willis (2006)
Spanish, Cuban	Romance	Cuba	Quilis (1999)
Sentani	East Bird's Head	Papua, Indonesia	Cowan (1965)
Shan	Tai	Burma	Matisoff (2003)
Slovak	West Slavic	Slovakia	Rubach (1993)
Songhay, Humburi Senni	Nilo-Saharan	Mali	Heath (2008)
Squamish	Salish	BC, Canada	Gick et al. (2006)
Sranan	Creole (English)	Surinam	Parkvall (2007)
Sundanese	Malayo-Polynesian	Java, Indonesia	Cohn (1992)
Swedish	North Germanic	Scandinavia	Engstrand (2001)
Tagalog	Malayo-Polynesian	Philippines	Ultan (1978)
Tahltan	Athapaskan	BC, Canada	Gafos (1999)
Tamil, Literary	Dravidian	India; Sri Lanka	Krishnamurti (2003)
Tamil, Sri Lankan	Dravidian	Jaffna, Sri Lanka	Kuno (1958)
Tamil, Standard	Dravidian	Tamil Nadu, India	Schiffman (1999)
Tarao	Tibeto-Burman	Manipur, India	Thurgood (1999)
Thai	Tai	Thailand	Iwaski et al. (2005)
Telegu	Dravidian	A. Pradesh, India	Hume (2004)
Tiwi	Australian	NT, Australia	Osborne (1974)
Toaripi	Trans-New Guinea	Gulf Province, PNG	Brown (1973)
Toba Batak	Malayo-Polynesian	Sumatra, Indonesia	van der Tuuk (1971)
Tongan	Polynesian	Tonga	Tregear (1969)
Tukang Besi	Austronesian	Sulawesi, Indonesia	Donohue (1999)
Turkic	Altaic	Eurasia	Johanson et al. (1998)
Turkish	Turkic	Turkey	Johanson et al. (1998)
Tswana	Bantoid	Botswana	Nurse et al. (2003)
Twi	Niger-Congo	Ghana	Michaelis (2008)
Tzeltal	Mayan	Mexico	Gafos (1999)
Umbundu	Bantoid	Angola	Schadeberg (1990)
Unua	Austronesian	Vanuatu	Lynch (2009)
Uyghur	Turkic	China	Johanson et al. (1998)
Waffa	Trans-New Guinea	Morobe, PNG	Stringer et al. (1971)
Wangkangurru	Karnic	Central Australia	Bowern (2001)
Wangkayutyuru	Karnic	Central Australia	Bowern (2001)
Warray	Pama-Nyungan	NT, Australia	Borowsky et al. (1997)
Warrgamay	Pama-Nyungan	Qld, Australia	Dixon (1980)
Welsh	Celtic	Wales, UK	Ladefoged et al. (1996)
Xhosa	Bantoid	South Africa	Ladefoged et al. (1996)
Yaygir	Pama-Nyungan	NSW, Australia	Crowley (1979)
Yidiñ	Pama-Nyungan	Qld, Australia	Dixon (1977)
Yoruba	Niger-Congo	Nigeria	Akinbiyi (2001)

LANGUAGE	CLASSIFICATION	LOCATION	REFERENCE
Zoque	Mixe-Zoque	Chiapas, Mexico	Ultan (1978)
Zulu	Bantoid	South Africa	Nurse et al. (2003)
