**Bibliography and References Cited**

Allen, J. B. (1994), “How do humans process and recognize speech?” IEEE Transactions on Speech and Audio 2(4), 567–577.

Allen, J. B. (2005), Articulation and Intelligibility (Morgan and Claypool, 3401 Buckskin Trail, LaPorte, CO 80535), ISBN: 1598290088.

Allen, J. B. (2008), “Nonlinear Cochlear Signal Processing and Masking in speech perception,” in Springer Handbook on speech processing and speech communication, edited by J. Benesty and M. Sondhi (Springer, Heidelberg Germany), chap. 3, pp. 1–36.

Allen, J. B., Jeng, P. S., and Levitt, H. (2005), “Evaluating Human Middle Ear Function via an Acoustic Power Assessment,” Jol. of Rehabil. Res. Dev. 42(4), 63–78.

Allen, J. B. and Li, F. (2009), “Speech perception and cochlear signal processing,” IEEE Signal Processing Magazine 26(4), 73–77, Invited.

Blumstein, S. E. and Stevens, K. N. (Feb. 1980), “Perceptual invariance and onset spectra for stop consonants in different vowel environments,” J. Acoust. Soc. Am. 67(2), 648–266.

Catts, H. W. (1993). “The relationship between speech-language impairments and reading disabilities,” Journal of Speech and Hearing Research 36, 948-958.

Catts, H., Fey, M., Tomblin, J. B., and Zhang, X. (2002), “A longitudinal investigation of reading outcomes in children with language impairments,” Journal of Speech-Language-Hearing Research *45*, 1142-1157.

Catts, H. and Kamhi, A. (2005), “Causes of reading disabilities,” in H. Catts and A. Kamhi (Eds), Language and Reading Disabilities (p. 94-126). Allyn and Bacon, Boston, MA.

Dawes, P. and Bishop, D. (2009), “Auditory processing disorder in relation to developmental disorders of language, communication and attention: a review and critique,” Int. J. Lang. Comm. Dis. 44(4), 440-465.

DeThorne, L. S., Johnson, C. J., Walder, L., and Mahurin-Smith, J. (2009), “When “Simon Says” doesn’t work: Alternatives to imitation for facilitating early speech development,” American Journal of Speech-Language Pathology 18, 133-145.

Dollaghan, C., and Campbell, T. (1998). “Nonword repetition and child language impairment,” Journal of Speech, Language, and Hearing Research 41*,* 1136-1146.

Dunn, L. and Dunn, D. (2007). Peabody Picture Vocabulary Test-4 (PPVT-4). Pearson, San Antonio, TX.

Ehri, L., Nunes, S., Willows, D., Schuster, B., Yaghoub-Zadeh, Z., and Shanahan, T. (2001), “Phonemic awareness instruction helps children learn to read: Evidence from the National Reading Panels meta-analysis,” Reading Research Quarterly 36, 250287.

Flax, J., Realpe-Bonilla, T., Hirsch, L., Brzustowicz, L., Bartlett, C., and Tallal, P. (2003), ”Specific language impairment in families: Evidence for co-occurrence with reading impairments,” Journal of Speech, Language, and Hearing Research 46, 530-543.

Fousek, P., Svojanovsky, P., Grezl, F., and Hermansky, H. (2004). “New nonsense syllables database—analyses and preliminary ASR experiments,” in Proceedings of the International Conference on Spoken Language Processing (ICSLP), October 4-8, Jeju, South Korea, URL http://www.isca-speech.org/archive/interspeech\_2004.

Frame, S., Smith, D., and Johnson, C. (Nov. 2008). Socio-emotional aspects of reading disorders. Poster presented at the American Speech-Language-Hearing Association Convention, New Orleans, LA.

Goldman, R. and Fristoe, M. (2000), Goldman-Fristoe Test of Articulation-2 (GFTA-2), Pearson, San Antonio, TX.

Goswami, U. (2010), “Phonology, reading and reading difficulty,” in K. Hall, U. Goswami, C. Harrison, S. Ellis and J. Soler (Eds), Interdisciplinary Perspectives on Learning to Read: Culture, Cognition and Pedagogy. Routledge, London, England.

Ha, S., Johnson, C. J., and Kuehn, D. P. (2009), “Characteristics of Korean phonology: Review, tutorial, and case studies of Korean children speaking English,” Journal of Communication Disorders 42, 163-179.

IRA (1998), “Phonemic awareness and the Teaching of Reading,” Tech. rep., International Reading Association, URL www.reading.org/downloads/positions/ps1025\_phonemic.pdf.

Johnson, C. J., Hengst, J., Smith, J. M., Kubalanza, M., Kiolbasa, A., and Wang, H. (Nov. 2011a), “Home writing environments of kindergartners and first-graders with language impairment,” Poster presented at the American Speech-Language-Hearing Association Convention, San Diego, CA.

Johnson, C., Menon, A., Yoon, S., and Allen, J. (Nov. 2010a). Levels of consonant-vowel perceptual confusion in children’s reading disabilities. Poster presented at the American Speech-Language-Hearing Association Convention, Philadelphia, PA.

Johnson, C. J., Menon, A., Yoon, S-Y., Kim, A., and Allen, J. (Apr. 2010b). Perceptual Confusions of Consonants and Vowels on an Oddball Task in Children with Reading Disabilities. Paper presented at the International Child Phonology Conference, Memphis, TN.

Johnson, C. J., Menon, A., Yoon, S., Han, W., Kubalanza, M., and Allen, J. (Mar. 2011b). Levels of Consonant-Vowel Perceptual Confusion and Assessment Profiles in Children’s Reading Disabilities.” Poster presented at the Pre-Summit Workshop: Education for a Lifetime: Minds, Brains, and New Literacies, Innovation Summit, Beckman Institute for Advanced Science and Technology, and Office of the Chancellor, University of Illinois at Urbana-Champaign.

Johnson, C. J., Menon, A., Yoon, S., Han, W., Kubalanza, M., and Allen, J. (May 2011c). Levels of Consonant-Vowel Perceptual Confusion and Assessment Profiles in Children’s Reading Disabilities,” Poster presented at the Speech Production Workshop, Beckman Institute for Advanced Science and Technology, Focal Point grant, University of Illinois at Urbana-Champaign.

Johnson, C. J., Phatak, S., Steele, S., and Allen, J. (Aug. 2007a), “Reading disability profiles & consonant-vowel confusions in perception-production tasks,” Poster presented at the American Speech-Language-Hearing Association Convention, Boston, MA.

Johnson, C. J., Phatak, S., Steele, S.D., Lobdell, B., and Allen, J. (2007b).  “Speech perception confusions in children with reading disabilities,” Proceedings of the 27th World Congress of the International Association of Logopedics and Phoniatrics, Copenhagen, Denmark.

Johnson, C., Phatak, S., Steele, S. D., Lobdell, B., and Allen, J. (June 2007c), “Speech perception in children with reading disabilities,” Poster presented at the Symposium on Research in Child Language Disorders, Madison, WS.

Johnson, C., Phatak, S., Steele, S. D., Lobdell, B., and Allen, J. (June 2007d). “Syllable confusions in children with reading disabilities,” Paper presented at the International Child Phonology Conference, University of Washington, Seattle.

Kaufman, A. and Kaufman, N. (2004), Kaufman Brief Intelligence Test, Second Edition (KBIT-2). Pearson, San Antonio, TX.

King, W., Lombardino, L., Crandell, C., and Leonard, C. (2003), “Comorbid auditory processing disorder in developmental dyslexia,” Ear and Hearing 24(5), 448-456.

Klein, J. (1984), “Otitis media and the development of speech and language,” Pediatr Infect Dis. 3(4), 389–91.

Li, F., Menon, A., and Allen, J. (April 2010), “A psychoacoustic method to find the perceptual cues of stop consonants in natural speech,” J. Acoust. Soc. Am. 127(4), 2599–2610.

Liberman, A. (1996), Speech: A Special Code. The MIT Press, Cambridge, MA.

Lin, L., and Johnson, C.J. (2010), “Phonological patterns in Mandarin-English bilingual children,” Clinical Linguistics and Phonetics 24,369-386.

Loo, S. K., Fisher, S. E., Francks, C., Ogdie, M. N., MacPhie, I. L., Yang, M., McCracken, J. J., McGough, J. J., Nelson, S. F., Monaco, A. P., and Smalley, S. L. (2004), “Genome-wide scan of reading ability in affected sibling pairs with attention-deficit/hyperactivity disorder: Unique and shared genetic effects,” Molecular Psychiatry 9, 485-493.

Lyons, K., Shanahan, C., and Johnson, Cynthia J. (Nov. 2010), “Vocabulary and phonological growth of a young child with childhood apraxia of speech,” Poster presented at the American Speech-Language-Hearing Association Convention, Philadelphia, PA.

Marinellie, S., and Johnson, C. (2002), “Definitional skill in school-age children with specific language impairment,” Journal of Communication Disorders 35, pp. 241-259.

Marinellie, S., and Johnson, C. (2003), “Adjective definitions and the influence of word frequency,” Journal of Speech-Language-Hearing Research 46(5), 1061-1076.

Merzenich, M., Jenkins, W., Johnston, P., Schreiner, C., Miller, S., and Tallal, P. (1996), “Temporal processing deficits of language-learning impaired children ameliorated by training,” Science 121 (5245), 77-81.

Mody, M., Schwartz, R., Gravel, J., and Ruben, R. (1999), “Speech perception and verbal memory in children with and without otitis media,” Journal of Speech, Language, and Hearing Research*, 42*, 1069-1079.

Mody, M., Studdert-Kennedy, M., and Brady, S. (1997), “Speech perception deficits in poor readers: auditory processing or phonological coding?” Journal of Experimental Child Psychology 64, 199-231.

NICHD/NRP (2000a), “Report of the National Reading Panel. Teaching children to read: An evidence-based assessment of the scientific research literature on read ing and its implications for reading instruction,” Tech. Rep. No. 00-4769, NIH, URL http://www.nichd.nih.gov/publications/nrp/report.cfm.

NICHD/NRP (2000b), “Report of the National Reading Panel: Teaching children to read: An evidence-based assessment of the scientific research literature on reading and its implications for reading instruction: Report of the Subgroups,” Tech. Rep. No. 00-4754, NIH, URL http://www.nichd.nih.gov/publications/nrp/findings.cfm.

Paden, E., Novak, M., and Beiter (1987), “Predictors of phonologic inadequacy in young children prone to otitis media,” Journal of Speech and Hearing Disorders 52, 232-242.

Phatak, S. and Allen, J. B. (2007), “Consonant and vowel confusions in speech-weighted noise,” J. Acoust. Soc. Am. 121(4), 2312–26.

Phatak, S., Lovitt, A., and Allen, J. B. (2008), “Consonant confusions in white noise,” J. Acoust. Soc. Am. 124(2), 1220–33.

Phatak, S. A., Yoon, Y., Gooler, D. M., and Allen, J. B. (2009), “Consonant loss profiles in hearing impaired listeners,” J. Acoust. Soc. Am. 126(5), 2683–2694.

Ptok, E. U. (2005), “The effects of recurrent otitis media with effusion on speech development (In German),” HNO 53(1), 71–7.

Rosen (2003). Auditory processing in dyslexia and specific language impairment: Is there a deficit? What is its nature? Does it explain anything? J. Phonet. 31, 509-527.

Rosenfeld, R., Jang, D., and Tarashansky, K. (2011), “Tympanostomy tube outcomes in children at-risk and not at-risk for developmental delays.” Int J Pediatr Otorhinolaryngol 75(2), 190–5.

Rvachew, S., Ohberg, A., Grawberg, M., and Heyding, J. (2003), “Phonological awareness and phonemic perception in 4-year-old children with delayed expressive phonology skills,” American Journal of Speech Language Pathology 12, 463471.

Schuele, C. M. and Boudreau, D. (2008), “Phonological awareness intervention: Beyond the basics,” Language, Speech, and Hearing Services in Schools 39, 3-20.

Scientific Learning Corporation (1998). Fast ForWord—Language [Computer software], Author, Berkeley, CA.

Semel, E., Wiig, E., and Secord, W. (2003). Clinical Evaluation of Language Fundamentals-Fourth Edition (CELF-4), Pearson, San Antonio, TX.

Shannon, R. V., Zeng, F. G., Kamath, V., Wygonski, J., and Ekelid, M. (1995), “Speech recognition with primarily temporal cues,” Science 270, 303–304.

Shaywitz, B. A. and Shaywitz, S. E. (1994), “Learning disabilities and attention disorders,” In K. Swaiman (Ed.) Principles of Pediatric Neurology (pp. 1119-1151). Mosby, St. Louis, MO.

Singh, R. and Allen, J. B. (2012), “Sources of stop consonant errors in low-noise environments,” J. Acoust. Soc. Am. 131(3), Accepted Jan 13, 2012.

Snowling, M. J. (2000), Dyslexia. Blackwell, Oxford, England.

Snowling, M. J. (2001), “From language to reading and dyslexia,” Dyslexia 7, 37-46.

Stahl, S. A. and Murray, B. A. (1994), “Defining Phonological Awareness and its relationship to early reading,” Journal of Educational Psychology 86(2), 221–234.

Studdert-Kennedy, M. and Mody, M. (1995), “Auditory temporal perception deficits in the reading impaired: a critical review of the evidence. Psychonomic Bulletin and Review 2, 508-514.

Tallal, P. (1980), “Auditory temporal perception, phonic, and reading disabilities in children,” Brain Language 9, 182-198.

Tallal, P., Miller, S., Bedi, Byma, G., Wang, X., Nagarajan, S., Schreiner, C., Jenkins, M., and Merzenich, M. (1996), “Language comprehension in language-learning impaired children improved with acoustically modified speech,” Science 121 (5245),81-84.

Vandewalle, E., Boets, B., Ghesquiere, P., and Zink, I. (2012), “Auditory processing and speech perception in children with specific language impairment: Relations with oral language and literacy skills,” Research in developmental disabilities 33, 635-644.

Wagner, R. K. and Torgesen, J. (1987), “The nature of phonological processing and its causal role in the acquisition of reading skills,” Psychological Bulletin 101, 192–212.

Wagner, R., Torgesen, J., and Rashotte, C. (1999), Comprehensive Test of Phonological Processing (CTOPP). Pro-Ed, Inc., Austin, TX.

Wiederholt, J. L. and Bryant, B. (2012). Gray Oral Reading Tests-Fifth Edition (GORT-5), Pro-Ed, Austin, TX.

Willcutt, E. G. and Pennington, B. F. (2000), “Psychiatric comorbidity in children and adolescents with reading disability,” J Child Psychol Psychiatry 41, 1039-1048.

Woodcock, R. (2011). Woodcock Reading Mastery Tests, Third Edition (WRMT-III). Pearson, San Antonio, TX.

Yang, F., and Johnson, C. J. (Nov. 2009), “Phonological awareness skills & reading ability in Mandarin-English biliterate children,” Paper presented at the American Speech-Language-Hearing Association Convention, New Orleans, LA.

Ziegler, J. and Goswami, U. (2005), “Reading acquisition, developmental dyslexia, and skilled reading across languages: A psycholinguistic grain size theory,” Psychological Bulletin 131(1), 3-29.

Ziegler, J., Pech-Georgel, C., George, F., Alario, F-X., and Lorenzi, C. (2005), “Deficits in speech perception predict language learning impairment,” Proceedings of the National Academy of Sciences, 102 (39), 14110-14115.