Title of Project:

An exploration into the writing ability of generation 1.5 and international second language writers: A mixed methods approach

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Abstract:

A growing body of research suggests that the writing ability of international second language learners (IL2) and US-resident second language learners, also referred to as Generation 1.5 (G1.5), differs, despite a dearth of substantial empirical evidence supporting such claims. The present study provides much-needed empirical evidence concerning the nature of similarities and differences in the writing ability of these two groups of learners.

A mixed-methods research design was adopted to examine IL2 and G1.5 learners' writing ability from both quantitative and qualitative perspectives. Many-facet Rasch measurement (MFRM) procedures were used to analyze learners' writing scores from three raters in five different components designed to represent the construct of writing ability. A whole-group MFRM analysis indicated that the IL2 learners, as a group, performed better than the G1.5 learners. Separate-group MFRM analyses revealed that the two groups had opposing strengths and weaknesses in two components of writing ability. Specifically, the IL2 learners performed best in grammatical control yet poorly in sociopragmatic control, and the G1.5 learners performed best in sociopragmatic control yet poorly in grammatical control.

Subsequent qualitative analyses included an in-depth examination of a subset of IL2 and G1.5 learners' writing, with a particular focus on grammatical errors and use of sociopragmatic markers. Findings revealed that the G1.5 group's grammatical errors reflected a lack of awareness of certain grammatical features of academic writing. Likewise, the IL2 group's use of sociopragmatic markers reflected a tendency to draw on personal opinions and other non-academic sources in their writing.

Considering both the quantitative and qualitative findings in light of one another, the results showed that both IL2 and G1.5 learners' writing difficulties stemmed from a lack of adherence to different aspects of academic writing. Such findings are valuable for writing program administrators and writing teachers in search of empirical evidence as to the types of writing instruction that students with different L2 backgrounds may require.

References

- Abdi, R., Rizi, M. T., & Tavakoli, M. (2010). The cooperative principle in discourse communities and genres: A framework for the use of metadiscourse. *Journal of Pragmatics*, 42, 1669-1679.
- Adel, A. (2006). *Metadiscourse in L1 and L2 English*. Amsterdam: John Benjamins.
- Allison, D. (1995). Assertions and alternatives: Helping ESL undergraduates extend their choices in academic writing. *Journal of Second Language Writing*, *4*, 1-15.
- Ameriks, Y. (2009). *Investigating validity across two test forms of the Examination for the Certificate of Proficiency in English (ECPE): A multi-group structural equation modeling approach*. Unpublished doctoral dissertation, Teachers College, Columbia University.
- Andersen R (1978). An implicational model for second language research. *Language Learning*, 28, 221–282.
- Andrich, D. (1978). A rating formulation for ordered response categories. *Psychometrika*, 43, 561-573.
- Bachman, L. (1990). Fundamental considerations in language testing. Oxford, UK: Oxford University Press.
- Bachman, L. (2004). *Statistical analyses for language assessment*. Oxford, UK: Oxford University Press.
- Bachman, L., & Palmer, A. (1981). The construct validation of the FSI oral interview. In J. Oller (Ed.), *Issues in language testing research* (pp. 154-169). Rowley, MA: Newbury House.
- Bachman, L., & Palmer, A. (1996). *Language testing in practice*. Oxford, UK: Oxford University Press.
- Bachman, L., & Palmer, A. (2010). *Language assessment in practice*. Oxford, UK: Oxford University Press.
- Bachman, L., & Purpura, J. (2007). Language assessments: Gate-keepers or door openers? In B. M. Spolsky & F. M. Hult (Eds.), *Blackwell handbook of educational linguistics*. Malden, MA: Blackwell.
- Bailey, N., Madden, C., & Krashen, S. (1974). Is there a 'natural sequence' in adult second language learning? *Language Learning*, 24(2), 235–243.
- Baratta, A. M. (2009). Revealing stance through passive voice. *Journal of Pragmatics*, 41, 1406-1421.

- Bardovi-Harlig, K. (2009). Conventional expressions as a pragmalinguistic resource: Recognition and production of conventional expressions in L2 pragmatics. *Language Learning*, *59*, 755-795.
- Bardovi-Harlig, K., & Bofman, T. (1989). Attainment of syntactic and morphological accuracy by advanced language learners. *Studies in Second Language Acquisition*, 11, 17-34.
- Bardovi-Harlig, K., & Dörnyei, Z. (1998). Do language learners recognize pragmatic violations? Pragmatic versus grammatical awareness in instructed L2 learning. *TESOL Quarterly*, 32, 233-262.
- Barton, E. L. (1993). Evidentials, argumentation, and epistemological stance. *College English*, 55(7), 745-769.
- Bates, L., Lane, J., & Lange, E. (1993). Writing clearly: Responding to ESL compositions. Boston, MA: Heinle & Heinle.
- Bauer, L., & Nation, I.S.P. (1993). Word families. *International Journal of Lexicography*, 6(4), 253-279.
- Bauman, J. (n.d.). *About the general service list*. Retrieved from http://jbauman.com/aboutgsl. html.
- Beauvais, P. J. (1989). A speech act theory of metadiscourse. Written Communications, 6, 11-30.
- Beck, S. W., & Jeffrey, J. V. (2007), Genres of high-stakes writing assessments and the construct of writing competence. *Assessing Writing*, 12, 60-79.
- Beebe, L. M., & Waring, H. Z. (2001, February). *Sociopragmatic vs. pragmalinguistic failure: How useful is the distinction?* Paper presented at the New York State TESOL Applied Linguistics Winter Conference, New York City, NY.
- Beebe, L. M., & Waring, H. Z. (2002, April). *The pragmatics in the interlanguage pragmatics research agenda: The case of tone*. Paper presented at the American Association of Applied Linguistics Conference, Salt Lake City, UT.
- Beebe, L. M., & Waring, H. Z. (2004). The linguistic encoding of pragmatic tone: Adverbials as words that work. In D. Boxer & A. D. Cohen (Eds.), *Study speaking to inform second language learning* (pp. 228-249). Clevedeon, UK: Multilingual Matters.
- Bereiter, C., & Scardamalia, M. (1987). *The psychology of written composition*. Hillsdale, NJ: Lawrence Erlbaum.
- Biber, D. (2006). Stance in spoken and written university registers. *Journal of English for Academic Purposes*, 5, 97-116.

- Biber, D., Conrad, S., Reppen, R., Byrd, P., & Helt, M. (2002). Speaking and writing in the university: A multidimensional comparison. *TESOL Quarterly*, *36*, 9-48.
- Bitchener, J., & Knoch, U. (2008). The value of written corrective feedback for migrant and international students. *Language Teaching Research*, 12(3), 409-431.
- Bond, T. G., & Fox, C. M. (2007). Applying the Rasch model: Fundamental measurement in human sciences. Mahwah, NJ: Lawrence Erlbaum.
- Bosher, S. (1998). The composing processes of three Southeast Asian writers at the post-secondary level: An exploratory study. *Journal of Second Language Writing*, 7(2), 205-241.
- Bosher. S., & Rowekamp, J. (1998). The refugee/immigrant in higher education: The role of educational background. *College ESL*, 8 (1), 23-42.
- Braine, G. (1996). ESL students in first-year writing courses: ESL versus mainstream classes. *Journal of Second Language Writing*, 5(2), 91-107.
- Breland, H. M., & Jones, R. J. (1984). Perceptions of writing skills. *Written Communication*, *I*(1), 101-119.
- Brostoff, A. (1981). Coherence: "Next to" is not "connected to." *College Composition and Communication*, 32(3), 278-294.
- Brown, G., & Yule, G. (1983). Discourse analysis. New York, NY: Cambridge University Press.
- Brown, J. D. (2005). Testing in language programs. New York, NY: McGraw-Hill.
- Brown, P., & Levinson, S. C. (1987). *Politeness: Some universals in language usage*. Cambridge, UK: Cambridge University Press.
- Burt, M. K. (1975). Error analysis in the adult EFL classroom. TESOL Quarterly, 9, 53-63.
- Byrd, P., & Benson, B. (2001). *Applied English Grammar*. Fort Worth, TX: Harcourt College Publishers.
- Canale, M. (1983). On some dimensions of language proficiency. In J. Oller, (Ed.), *Issues in language testing research* (pp. 333-342). Rowley, MA: Newbury House.
- Canale, M., & Swain, M. (1980). Theoretical bases of communicative approaches to second language teaching and testing. *Applied Linguistics*, *I*(1), 1-47.
- Carrell, P. (1982). Cohesion is not coherence. TESOL Quarterly, 16, 479-488.

- Carrell, P. (1983). Comments on Patricia Carrell's "Cohesion is not coherence." The author responds. *TESOL Quarterly*, *17*, 687-691.
- Carrell, P. (1984). Comments on Patricia Carrell's "Cohesion is not coherence." The author responds. *TESOL Quarterly*, *18*, 161-168.
- Carroll, J. B. (1961). Fundamental considerations in testing for English language proficiency of foreign students. In *Testing the English proficiency of foreign students* (pp. 30-40). Washington, DC: Center for Applied Linguistics.
- Carroll, J. B. (1968). The psychology of language testing. In A. Davies (Ed.), *Language testing symposium: A psycholinguistic perspective*. London, England: Oxford University Press.
- Celce-Murcia, M., & Larsen-Freeman, D. (1999). *The grammar book: An ESL/EFL teacher's course (second edition)*. Boston, MA: Heinle & Heinle.
- Chandrasegaran, A. (2008). NNS students' arguments in English: Observations in formal and informal contexts. *Journal of Second Language Writing*, 17, 237-254.
- Chapelle, C. A., Chung, Y-R., Hegelheimer, V., Pendar, N., & Xu, J. (2010). Towards a computer-delivered test of productive grammatical ability. *Language Testing*, 27, 443-469.
- Cherry, R. D. (1988). Politeness in written persuasion. *Journal of Pragmatics*, 12, 63-81.
- Chiang, Y-S. D., & Schmida, M. (1999). Language identity and language ownership: Linguistic conflicts of first-year university writing students. In L. Harklau, K. Losey, & M. Siegal (Eds.), Generation 1.5 meets college composition: Issues in the teaching of writing to U.S.-educated learners of ESL, (pp. 81-96). Mahwah, NJ: Lawrence Erlbaum.
- Chomsky, N. (1965). Aspects of the theory of syntax. Cambridge, MA: MIT Press.
- Collier, V. (1987). Age and rate of acquisition of second languages for academic purposes. *TESOL Quarterly*, 21(4), 617-641.
- Collier, V. (1989). How long? A synthesis of research on academic achievement in a second language. *TESOL Quarterly*, 23(3), 509-531.
- Connor, U., & Mbaye, A. (2002). Discourse approaches to writing assessment. *Annual Review of Applied Linguistics*, 22, 264-278.
- Corder, S. P. (1967). The significance of learners' errors. *International Review of Applied Linguistics*, 5(4), 161-169.

- Costino, K. A., & Hyon, S. (2007). A class for students like me: Reconsidering relationships among identity labels, residency status, and students' perceptions for mainstream or multilingual composition. *Journal of Second Language Writing*, 16(2), 63-81.
- Creswell, J. W., & Plano Clark, V. L. (2007). *Designing and conducting mixed methods research*. Thousand Oaks, CA: Sage.
- Crismore, A., Markkanen, R., & Steffensen, M. S. (1993). Metadiscourse in persuasive writing: A study of texts written by American and Finnish university students. *Written Communication*, 10(1), 39-71.
- Crismore, A., & Vande Kopple, W. J. (1988). Readers' learning from prose: The effects of hedges. *Written Communication*, 5, 184-202.
- Crystal, D. (1987). *The Cambridge encyclopedia of language*. Cambridge, UK: Cambridge University Press.
- Cumming, A. (1989). Writing expertise and second language proficiency. *Language Learning*, 39, 81-141.
- Cumming, A. (1995). Fostering writing expertise in ESL composition instruction: Modeling and evaluation. In D. Belcher & G. Braine (Eds.), *Academic writing in a second language: Essays on research and pedagogy* (pp. 375-397). Norwood, NJ: Ablex.
- Cumming, A., Kantor, R., Powers, D., Santos, T., & Taylor, C. (2000). *TOEFL 2000 writing framework: A working paper* (TOEFL Monograph series, MS 18). Princeton, NJ: Educational Testing Service.
- Cummins, J. (1979). Cognitive/academic language proficiency, linguistic interdependence, the optimal age question and some other matters. *Working Papers on Bilingualism*, 19, 197-205.
- Cummins, J. (1981). Age on arrival and immigrant second language learning in Canada: A reassessment. *Applied Linguistics*, 1, 132-149.
- Cummins, J. (1984). *Bilingualism and special education: Issues in assessment and pedagogy.* Clevedon, UK: Multilingual Matters.
- Cummins, J. (1986). Language proficiency and academic achievement. In J. Cummins & M. Swain (Eds.), *Bilingualism in education* (pp. 138-161). New York, NY: Longman.
- Cummins, J. (2003). BICS and CALP: Origins and rationale for the distinction. In C. B. Paulston & G. R. Tucker (Eds.), *Sociolinguistics: The essential readings*, (pp. 322-328). Malden, MA: Blackwell Publishing.

- Delahunty, G. P. (1991). The powerful pleonasm: A defense of expletive *it is. Written Communication*, 8(2), 213-239.
- di Gennaro, K. (2008). Assessment of generation 1.5 learners for placement into college writing courses. *Journal of Basic Writing*, 27(1), 95-112.
- di Gennaro, K. (2009). Investigating differences in the writing performance of international and generation 1.5 students. *Language Testing*, 26, 533-559.
- di Gennaro, K., & McLaughlin, S. (2008, April). Why less testing can be more harmful. Paper presented at the TESOL Annual Convention, New York City, NY.
- Doyle, A. E. (1982). The limitations of cohesion. *Research in the teaching of English*, *16*, 390-393.
- Dulay, H., & Burt, M. (1973). Should we teach children syntax? *Language Learning*, 23, 245–258.
- Dulay, H., & Burt, M. (1974). Natural sequences in child second language acquisition. *Language Learning*, 24, 37–53.
- Eckes, T. (2009). Many-facet Rasch measurement. In S. Takala (Ed.), Reference supplement to the manual for relating language examinations to the Common European Framework of References for Languages: Learning, teaching, assessment (Section H). Strasbourg, France: Council of Europe/Language Policy Division.
- Eisenchlas, S. A. (2010). On-line interactions as a resource to raise pragmatic awareness. *Journal of Pragmatics*, 43, 51-61.
- Ekiert, M. (2010). *Articles as expressions of definiteness in L2 English of Slavic speakers*. Unpublished doctoral dissertation, Teachers College, Columbia University.
- Ellis, R. (2001). *The study of second language acquisition*. Oxford, UK: Oxford University Press.
- Ellis, R. (2008). *The study of second language acquisition*. 2nd Ed. Oxford, UK: Oxford University Press.
- Ellis, R., & Barkhuizen, G. (2005). *Analyzing learner language*. Oxford, UK: Oxford University Press.
- Enkvist, N. E. (1990). Seven problems in the study of coherence and interpretability. In U. Connor & J. M. Johns (Eds.), *Coherence in writing: Research and pedagogical perspectives* (pp. 9-28). Alexandria, VA: TESOL.
- Enright, M. K., & Quinlan, T. (2010). Complementing human judgment of essays written by English language learners with e-rater® scoring. *Language Testing*, 27, 317-334.

- Farhady, H. (1983). On the plausibility of the unitary language proficiency factor. In J. Oller (Ed.), *Issues in language testing research* (pp. 11-28). Rowley, MA: Newbury House.
- Ferris, D. R. (1999). The case for grammar correction in L2 writing classes. A response to Truscott (1996). *Journal of Second Language Writing*, 8, 1-10.
- Ferris, D. R. (2002). *Treatment of error in second language student writing*. Ann Arbor, MI: University of Michigan Press.
- Ferris, D. R. (2003). *Response to student writing: Implications for second language students*. Mahwah, NJ: Lawrence Erlbaum.
- Ferris, D. R. (2004). The "Grammar Correction" debate in L2 writing: Where are we, and where do we go from here? (and what do we do in the meantime...?). *Journal of Second Language Writing*, 13, 49-62.
- Ferris, D. R. (2006) Does error feedback help student learners? New evidence on the short- and long-term effects of written error correction. In K. Hyland & F. Hyland (Eds.), *Feedback in second language writing: Contexts and issues* (pp. 81-104). Cambridge, UK: Cambridge University Press.
- Ferris, D. R. (2009). *Teaching college writing to diverse student populations*. Ann Arbor, MI: University of Michigan Press.
- Flower, L., & Hayes, J. (1980). The cognition of discovery: Defining a rhetorical problem. *College Composition and Communication*, *31*, 21-32.
- Flower, L., & Hayes, J. R. (1981). A cognitive process theory of writing. *College Composition and Communication*, 32, 365-387.
- Fox, J. (2005). Rethinking second language admission requirements: Problems with language residency criteria and the need for language assessment and support. *Language Assessment Quarterly*, 2, 85-115.
- Frances, W. N, & Kucera, H. (1982). *Frequency analysis of English usage*. Boston, MA: Houghton Mifflin.
- Freeman, Y., & Freeman, D. (2003). Struggling English language learners: Keys for academic success. *TESOL Journal*, 12(3), 5-10.
- Frodesen, J., & Starna, N. (1999). Distinguishing incipient and functional bilingual writers: Assessment and instructional insights gained through second-language writer profiles. In L. Harklau, K. Losey, & M. Siegal (Eds.), *Generation 1.5 meets college composition:*

- Issues in the teaching of writing to U.S.-educated learners of ESL (pp. 61-80). Mahwah, NJ: Lawrence Erlbaum.
- Fromkin, V., Rodman, R., & Hyams, N. (2007). *In introduction to Language* (8th edition). Boston, MA: Thomson Higher Education.
- Fulcher, G., & Davidson, F. (2007). *Language testing and assessment*. New York, NY: Routledge.
- Gass, S., & Selinker, L. (2008). Second language acquisition: An introductory course (3rd edition). New York, NY: Routledge/Taylor Francis.
- Gavis, W. A. (1998). Stative verbs in the progressive aspect: A study of semantic, pragmatic, syntactic and discourse patterns. Unpublished doctoral dissertation, Teachers College, Columbia University.
- Ghadessy, M. (1983). Comments on Patricia Carrell's "Cohesion is not coherence." A reader reacts. *TESOL Quarterly*, *17*, 685-687.
- Giglioli, P. P. (1972). *Language and social context: Selected readings*. London, England: Penguin Books.
- Gillaerts, P., Van de Velde, F. (2010). Interactional metadiscourse in research article abstracts. *Journal of English for Academic Purposes*, 9, 128-139.
- Ginther, A., & Grant, L. (1996). A review of the academic needs of native English-speaking college students in the United States (TOEFL Monograph Series, MS 1). Princeton, NJ: Educational Testing Service.
- Goldschneider, J. M., & DeKeyser, R. M. (2001). Explaining the "natural order of L2 morpheme acquisition" in English: A meta-analysis of multiple determinants. *Language Learning*, 51(1), 1-50.
- Grabe, W., & Kaplan, R. B. (1996). *Theory and practice of writing: An applied linguistics perspective*. New York, NY: Longman.
- Grabowski, K. (2009). *Investigating the construct validity of a test designed to measure* grammatical and pragmatic knowledge in the context of speaking. Unpublished doctoral dissertation, Teachers College, Columbia University.
- Hagge, J., & Kostelnick, C. (1989). Linguistic politeness in professional prose: A discourse analysis of auditors' suggestion letters, with implications for business communication pedagogy. *Written Communication*, *6*, 312-339.
- Halliday, M. A. K. (1978). Language as social semiotic. Baltimore, MD: University Park Press.

- Halliday, M. A. K. (1994). *An introduction to functional grammar* (2nd ed.). London, England: Edward Arnold.
- Halliday, M. A. K., & Hasan, R. (1976). Cohesion in English. London: Longman.
- Hamp-Lyons, L. (1991a). The writer's knowledge and our knowledge of the writer. In L. Hamp-Lyons (Ed.), *Assessing second language writing in academic contexts* (pp. 51-68). Norwood, NJ: Ablex.
- Hamp-Lyons, L., & Kroll, B. (1996). Issues in ESL writing assessment: An overview. *College ESL*, 6, 52-72.
- Hamp-Lyons, L. & Kroll, B. (1997). *TOEFL 2000—writing: Composition, community, and assessment* (TOEFL Monograph Series, MS 5). Princeton, NJ: Educational Testing Service.
- Harklau, L. (1999). Representing culture in the ESL writing classroom. In E. Hinkel (Ed.), *Culture in second language learning and teaching* (pp. 109-135). New York, NY: Cambridge University Press.
- Harklau, L. (2000). From the "good kids" to the "worst": Representations of English language learners across educational settings. *TESOL Quarterly*, *34*(1), 35-67.
- Harklau, L., Losey, K., & Siegal, M. (1999). *Generation 1.5 meets college composition: Issues in the teaching of writing to U.S.-educated learners of ESL*. Mahwah, NJ: Lawrence Erlbaum.
- Harlow, L. L. (1990). Do they mean what they say? Sociopragmatic competence and second language learners. *The Modern Language Journal*, 74, 328-351.
- Hawkins, B. (2001). Supporting second language children's content learning and language development in K-5. In M. Celce-Murcia (Ed.), *Teaching English as a second or foreign language* (3rd ed.) (pp. 367-383). Boston, MA: Heinle & Heinle.
- Hayes, J. R. (1996). A new framework for understanding cognition and affect in writing. In C. Levy & S. Ransdell (Eds.), *The science of writing* (pp. 1-27), Mahwah, NJ: Lawrence Erlbaum.
- Hinkel, E. (1996). When in Rome: Evaluations of L2 pragmalinguistic behaviors. *Journal of Pragmatics*, 26, 51-70.
- Hinkel, E. (1997). Indirectness in L1 and L2 academic writing. *Journal of Pragmatics*, 27, 361-386.
- Hinkel, E. (2002). Second language writers' text: Linguistic and rhetorical features. Mahwah, NJ: Lawrence Erlbaum.

- Hinkel, E. (2003). Simplicity without elegance: Features of sentences in L1 and L2 academic texts. *TESOL Quarterly*, *37*, 275-301.
- Hinkel, E. (2004). *Teaching academic ESL writing: Practical techniques in vocabulary and grammar.* Mahwah, NJ: Lawrence Erlbaum Associates.
- Holmes, J. (1984). Modifying illocutionary force. *Journal of Pragmatics*, 8, 345-365.
- Holmes, J. (1990). Hedges and boosters in women's and men's speech. *Language & Communication*, 10(3), 185-205.
- Holmes, J., & Brown, D. F. (1976). Developing sociolinguistic competence in a second language. *TESOL Quarterly*, 10, 423-431.
- Holten, C. (2009). Creating an inter-departmental course for generation 1.5 ESL writers: Challenges faced and lessons learned. In M. Roberge, M. Siegal & L. Harklau (Eds.), *Generation 1.5 in College Composition: Teaching academic writing to U.S.-educated learners of ESL* (pp. 170-184). New York, NY: Routledge.
- Honey, J. (1997). Sociophonology. In F. Coulmas (Ed.), *The handbook of sociolinguistics*, (pp. 92-106). Malden, MA: Blackwell Publishing.
- Horowitz, B. (1991). Process, not product: Less than meets the eye. *TESOL Quarterly*, 20, 141-145.
- Hyland, K. (1998). Persuasion and context: The pragmatics of academic metadiscourse. *Journal of Pragmatics*, 30, 437-455.
- Hyland, K. (2000). *Disciplinary discourses: Social interactions in academic writing*. Harlow, UK: Pearson Education.
- Hyland, K. (2002). Teaching and researching writing. Harlow, UK: Pearson Education.
- Hyland, K. (2003). Second language writing. Cambridge, UK: Cambridge University Press.
- Hyland, K. (2004). Disciplinary interactions: Metadiscourse in L2 postgraduate writing. *Journal of Second Language Writing*, 13, 133-151.
- Hyland, K. (2005). Stance and engagement: A model of interaction in academic discourse. *Discourse Studies*, 7, 173-192.
- Hyland, K. (2007). Applying a gloss: Exemplifying and reformulating in academic discourse. *Applied Linguistics*, 28, 266-285.

- Hyland, K. (2008). Myth 4: Make your academic writing assertive and certain. In J. Reid (Ed.), *Writing myths* (pp. 70-89). Ann Arbor, MI: University of Michigan Press.
- Hyland, K., & Milton, J. (1997). Qualification and certainty in L1 and L2 students' writing. *Journal of Second Language Writing*, 6, 183-205.
- Hyland, K., & Tse, P. (2004). Metadiscourse in academic writing: A reappraisal. *Applied Linguistics*, 25, 156-177.
- Hymes, D. (1967). Models of the interaction of language and social setting. *Journal of Social Issues*, 23, 8-28.
- Hymes, D. (1972). On communicative competence. In J. Gumperz & D. Hymes (Eds.), *Directions in sociolinguistics*, (pp. 35-71). New York: Holt, Reinhart, & Winston.
- Hymes, D. (1974). *Foundations in sociolinguistics: An ethnographic approach*. Philadelphia: University of Pennsylvania Press.
- Hymes, D. (2000). The emergence of sociolinguistics: A response to Samarin. *Journal of Sociolinguistics*, 4, 312-319.
- Intaraprawat, P., & Steffensen, M. S. (1995). The use of metadiscourse in good and poor ESL essays. *Journal of Second Language Writing*, 4, 253-273.
- Jacobson, R. (1976). Incorporating sociolinguistic norms into an EFL program. *TESOL Quarterly*, 10, 411-422.
- James, C. (1998). *Errors in language learning and use: Exploring error analysis*. New York: Addison Wesley Longman.
- Johns, A. M. (1986). Coherence and academic writing: Some definitions and suggestions for teaching. *TESOL Quarterly*, 20, 247-261.
- Johns, A. M. (1990). Coherence as a cultural phenomenon: Employing ethnographic principles in the academic milieu. In U. Connor & J. M. Johns (Eds.), *Coherence in writing: Research and pedagogical perspectives* (pp. 209-226). Alexandria, VA: TESOL.
- Johns, A. M. (1995). Teaching classroom and authentic genres: Initiating students into academic cultures and discourses. In D. Belcher & G. Braine (Eds.), *Academic writing in a second language: Essays on research and pedagogy* (pp. 277-291). Norwood, NJ: Ablex.
- Johns, A. M. (1999). Opening our doors: Applying socioliterate approaches (SA) to language minority classrooms. In L. Harklau, K. Losey, & M. Siegal (Eds.), *Generation 1.5 meets college composition: Issues in the teaching of writing to U.S.-educated learners of ESL*, (pp. 159-171). Mahwah, NJ: Lawrence Erlbaum.

- Johns, A. M. (2009). Situated invention and genres: Assisting generation 1.5 students in developing rhetorical flexibility. In M. Roberge, M. Siegal, & L. Harklau (Eds.), *Generation 1.5 in College Composition: Teaching academic writing to U.S.-educated learners of ESL* (pp. 203-220). New York, NY: Routledge.
- Johnson, J., & Newport, E. (1989). Critical period effects in second language learning: the influence of maturational state on the acquisition of English as a second language. *Cognitive Psychology*, 21, 60-99.
- Kachru, B. (1988). Teaching world Englishes. ERIC/CLL News Bulletin, 12, 1.
- Kachru, B. (1991). World English and applied linguistics. In M. L. Tickoo (Ed.), *RELC Anthology* (Vol. 26, pp. 178-205. Singapore: SEAMEO Regional Language Centre.
- Kaplan, R. B. (1966). Cultural thought patterns in intercultural education. *Language Learning*, *16*, 1-20.
- Kasper, G., & Rose, K. R. (2001). Pragmatics in language teaching. In K. R. Rose & G. Kasper (Eds.), *Pragmatics in language teaching* (pp. 1-9). Cambridge, UK: Cambridge University Press.
- Khalil, A. (1989). A study of cohesion and coherence in Arab EFL college students' writing. *System*, *17*, 359-371.
- Kiesling, S. F. (2009). Style as stance: Stance as the explanation for patterns of sociolinguistic variation. In A. Jaffe (Ed.), *Stance: Sociolinguistic perspectives* (pp. 171-194). Oxford, UK: Oxford University Press.
- Knoch, U. (2008). The assessment of academic style in EAP writing: The case of the rating scale. *Melbourne Papers in Language Testing*, 13(1), 34-67. Retrieved from http://www.ltrc.unimelb.edu.au/mplt/papers/13_1_2_Knoch.pdf
- Kondo-Brown. K. (2002). A FACETS analysis of rater bias in measuring Japanese second language writing performance. *Language Testing*, 19(1), 3-31.
- Kroll, B. (1990). The rhetoric and syntax split: Designing a curriculum for ESL students. *Journal of Basic Writing*, *9*, 40-55.
- Kroll, B., & Schafer, J. C. (1978). Error analysis and the teaching of composition. *College Composition and Communication*, 29(3), 242-248.
- Lado, R. (1960). *Language testing: The construction and use of foreign language tests.* London: Longman.
- Laufer, B. & Nation, P. (1995). Vocabulary size and use: Lexical richness in L2 written production. *Applied Linguistics*, *16*, 307-322.

- Lee, D. Y-W. (2001). Genres, registers, text types, domains, and styles: Clarifying the concepts and navigating a path through the BNC jungle. *Language Learning & Technology*, 5(3), 37-72. Retrieved from http://llt.msu.edu/vol5num3/lee/.
- Leech, G. (1983). Principles of pragmatics. London, England: Longman.
- Leki, I. (1999). "Pretty much I screwed up:" Ill-served needs of a permanent resident. In L. Harklau, K. Losey, & M. Siegal (Eds.), *Generation 1.5 meets college composition: Issues in the teaching of writing to U.S.-educated learners of ESL*, (pp. 17-43). Mahwah, NJ: Lawrence Erlbaum.
- Levi, E. I. (2004). A study of linguistic and rhetorical features in the writing of non-English language background graduates of U.S. high schools. Unpublished doctoral dissertation, University of Pennsylvania.
- Levinson, S. C. (1983). *Pragmatics*. New York, NY: Cambridge University Press.
- Liao, Y-F. (2009). A construct validation study of the GEPT reading and listening sections: Reexamining the models of L2 reading and listening abilities and their relations to lexicogrammatical knowledge. Unpublished doctoral dissertation, Teachers College, Columbia University.
- Linacre, M. (1989). Many-facet Rasch measurement. Chicago, IL: MESA Press.
- Linacre, M. (2002). What do infit and outfit, mean-square and standardized mean? *Rasch Measurement Transactions*, 16, 878.
- Linacre, M. (2009). FACETS Rasch measurement computer program. Chicago, IL: MESA Press.
- Liu, M., & Braine, G. (2005). Cohesive features in argumentative writing produced by Chinese undergraduates. *System*, *33*, 623-636.
- Louie, V. (2009). The education of the 1.5 generation from an international migration framework: Demographics, diversity, and difference. In M. Roberge, M. Siegal, & L. Harklau (Eds.), *Generation 1.5 in College Composition: Teaching academic writing to U.S.-educated learners of ESL* (pp. 35-49). New York, NY: Routledge.
- Lumley, T. (1993). The notion of subskills in reading comprehension tests: An EAP example. *Language Testing*, *10*, 211-234.
- Mao, L. R. (1993). I conclude not: Toward a pragmatic account of metadiscourse. *Rhetoric Review*, 11, 265-289.
- Matsuda, P. K. (1997). Contrastive rhetoric in context: A dynamic model of L2 writing. *Journal of Second Language Writing*, 6(1), 45-60.

- Matsuda, P. K. (2008). Myth 8: International and U.S. resident ESL writers cannot be taught in the same class. In J. Reid (Ed.), *Writing myths* (pp. 159-176). Ann Arbor, MI: University of Michigan Press.
- Matsuda, P. K., & Matsuda, A. (2009). The erasure of resident ESL writers. In M. Roberge, M. Siegal & L. Harklau (Eds.), *Generation 1.5 in College Composition: Teaching academic writing to U.S.-educated learners of ESL* (pp. 50-64). New York, NY: Routledge.
- McCagg, P. (1990). Toward understanding coherence: A response proposition taxonomy. In U. Connor & J. M. Johns (Eds.), *Coherence in writing: Research and pedagogical perspectives* (pp. 111-127). Alexandria, VA: TESOL.
- McCulley, G. A. (1985). Writing quality, coherence, and cohesion. *Research in the Teaching of English*, 19, 269-282.
- McNamara, D. S., Crossley, S. A., & McCarthy, P. M. (2010). Linguistic features of writing quality. *Written Communication*, 27, 57-86.
- McNamara, T. F. (1996). *Measuring second language performance*. London, England: Longman.
- McNamara, T., & Roever, C. (2006). *Language testing: The social dimension*. Malden, MA: Blackwell.
- Muchinsky, D., & Tangren, N. (1999). Immigrant student performance in an academic intensive English program. In L. Harklau, K. Losey, & M. Siegal (Eds.) *Generation 1.5 meets college composition: Issues in the teaching of writing to U.S.-educated learners of ESL*, (pp. 211-234). Mahwah, NJ: Lawrence Erlbaum.
- Myers, G. (1989). The pragmatics of politeness in scientific articles. *Applied Linguistics*, 10, 1-35.
- Myford, C. M., & Dobria, L. (2006, August). *FACETS introductory workshop*. Workshop presented at Teachers College, Columbia University, New York City.
- Myford, C. M., & Wolfe, E. W. (2000). Research report 65: Monitoring sources of variability within the Test of Spoken English assessment system. Princeton, NJ: ETS.
- Myford. C. M., & Wolfe, E. W. (2003). Detecting and measuring rater effects using many-facet Rasch measurement: Part I. *Journal of Applied Measurement*, *4*, 386-421.
- Nakamaru, S. (2010). Lexical issues in writing center tutorials with international and US-educated multilingual writers. *Journal of Second Language Writing*, 19, 95-113.
- National Center for Education Statistics. (2004, August). *English language learner students in U.S. public schools: 1994 and 2000* (Report No. NCES 2004-035). Retrieved from http://nces.ed.gov/pubs2004/2004035.pdf.

- National Clearinghouse for English Language Acquisition. (2008). *The growing numbers of limited English proficiency students (mini-poster)*. Retrieved from http://www.ncela.gwu.edu/files/uploads/9/growingLEP_0809.pdf.
- Nayar, P. B. (1997). ESL/EFL dichotomy today: Language politics or pragmatics? *TESOL Quarterly*, *31*, 9-37.
- Neff-von Aertselaer, J., & Dafouz-Milne, E. (2008). Argumentation patterns in different languages: An analysis of metadiscourse markers in English and Spanish texts. In M. Putz & J. Neff-von Aertselaer (Eds.), *Studies on language acquisition: Developing constrastive pragmatics: Interlanguage and cross-cultural perspectives* (pp. 105-120). Berlin: Mouton de Gruyter.
- Neuner, J. L. (1987). Cohesive ties and chains in good and poor freshman essays. *Research in the Teaching of English*, 21, 92-105.
- Niezgoda, K., & Röver, C. (2001). Pragmatic and grammatical awareness: A function of the learning environment? In K. R. Rose & G. Kasper (Eds.), *Pragmatics in language teaching* (pp. 63-79). Cambridge, UK: Cambridge University Press.
- Norris J (2005). Using developmental sequences to estimate ability with English grammar: Preliminary design and investigation of a web-based test. *Second Language Studies*, 24(1), 24–128. Retrieved December 9, 2010 from www.hawaii.edu/sls/uhwpesl/on-line_cat.html.
- Nystrand, M. (Ed.). (1982). What writers know: The language, process, and structure of written discourse. New York, NY: Academic Press.
- Nystrand, M. (1989). A social-interactive model of writing. Written Communication, 6(1), 66-85.
- Ochs, E. (1996). Linguistic resources for socializing humanity. In J. J. Gumperz & S. C. Levinson (Eds.) *Rethinking linguistic relativity*, (pp. 407-437). Cambridge, UK: Cambridge University Press.
- Oller, J. (1973). Discrete point and integrative tests. In J. Oller & J. Richards (Eds.), *Focus on the learner: Pragmatic perspectives for the language teacher* (pp. 184-200). Rowley, MA: Newbury House.
- Oller, J. (1976). Evidence for the general language proficiency: An expectancy grammar. *Die Neuren Spachen*, 76, 165-174.
- Oller, J. (1979). Language tests in schools: A pragmatic approach. London, England: Longman.
- Palmer, J. C. (1999). Coherence and cohesion in the English language classroom: The use of lexical reiteration and pronominalisation. *RELC Journal*, *30*, 61-85.

- Park, T. (2004). An investigation of an ESL placement test of writing using many-facet Rasch measurement. *Teachers College, Columbia University Working Papers in TESOL & Applied Linguistics*, 4(1). Retrieved from http://journals.tc-library.org/index.php/tesol/article/view/41
- Paulston, C. B. (1974). Linguistic and communicative competence. *TESOL Quarterly*, 8, 347-362.
- Pienemann, M., & Johnston, M. (1987). Factors influencing the development of language proficiency. In D. Nunan (Ed.), *Applying second language acquisition research* (pp. 45–141). Adelaide, Australia: National Curriculum Resource Center.
- Pienemann, M., Johnston, M., & Brindley, G. (1988). Constructing an acquisition-based procedure for second language assessment. *Studies in Second Language Acquisition*, 10(2), 217–243.
- Polio, C. (1997). Measures of linguistic accuracy in second language writing. *Language Learning*, 47, 101-143.
- Pollitt, A., & Hutchinson, C. (1987). Calibrating graded assessments: Rasch partial credit analysis of performances in writing. *Language Testing*, 4, 72-92.
- Purpura, J. (1999). *Learner strategy use and L2 test performance*. Cambridge, UK: Cambridge University Press.
- Purpura, J. (2004). Assessing grammar. Cambridge, UK: Cambridge University Press.
- Purpura, J. (2008). Assessing communicative language ability: Models and components. In N. Hornberger & E. Shohamy (Eds.) (pp. 53-68), Encyclopedia of Language and Education, Vol 7. Language Testing and Assessment. Kluwar Academic Publishers.
- Raimes, A. (1987). Language proficiency, writing ability, and composing strategies: A study of ESL college student writers. *Language Learning*, *37*, 439-468.
- Raimes, A. (1991). Errors: Windows into the mind. *College ESL*, 1, 55-64.
- Rankin, D. S. (1984). Comments on Patricia Carrell's "Cohesion is not coherence." A reader reacts. *TESOL Quarterly*, *18*, 158-161.
- Reid, J. (1997). Which non-native speaker: Differences between international students and U.S. resident (language minority) students. *New Directions for Teaching and Learning*, 70, 17-27.
- Reid, J. (2006). "Eye" learners and "ear" learners: Identifying the language needs of international students and U.S. resident writers. In P. K. Matsuda, M. Cox, J. Jordan, & C. Ortmeier-

- Hooper. (Eds.), Second-language writing in the composition classroom: A critical sourcebook, (pp. 76-88). Boston, MA: Bedford/St. Martin's.
- Rifkin, B., & Roberts, F. D. (1995). Error gravity: A critical review of research design. *Language Learning*, 45(3), 511-537.
- Roberge, M. (2009). A teacher's perspective on generation 1.5. In M. Roberge, M. Siegal, & L. Harklau (Eds.), *Generation 1.5 in college composition: Teaching academic writing to U.S.-educated learners of ESL*, (pp. 3-24). New York, NY: Routledge.
- Roberge, M., Siegal, M., & Harklau, L. (2009). *Generation 1.5 in college composition: Teaching academic writing to US-educated learners of ESL*. New York, NY: Routledge.
- Roberts, F., & Cimasko, T. (2008). Evaluating ESL: Making sense of university professors' responses to second language writing. *Journal of Second Language Writing*, 17, 125-143.
- Rodby, J. (1999). Contingent literacy: The social construction of writing for nonnative English speaking college freshmen. In L. Harklau, K. Losey, & M. Siegal (Eds.), *Generation 1.5 meets college composition: Issues in the teaching of writing to U.S.-educated learners of ESL*, (pp. 45-60). Mahwah, NJ: Lawrence Erlbaum.
- Roever, C. (2006). Validation of a web-based test of ESL pragmalinguistics. *Language Testing*, 23(2), 229-256.
- Rose, K. (2000). An exploratory cross-sectional study of interlanguage pragmatic development. *Studies in Second Language Acquisition*, 22, 27–67.
- Rose, K. (2009). Interlanguage pragmatic development in Hong Kong. *Journal of Pragmatics*, 41(11), 2345-2364.
- Rumbaut, R. G. (2004). Ages, life stages, and generational cohorts: Decomposing the immigrant first and second generations in the United States. *International Migration Review*, *38*, 1160-1205.
- Rumbaut, R. G., & Ima, K. (1988). *The adaptation of Southeast Asian refugee youth: A comparative study*. Final Report to the US Department of Health and Human Services, Office of Refugee Resettlement. Washington, DC: US Department of Health and Human Services.
- Scardamalia, M., Bereiter, C., & Goelman, H. (1982). The role of production factors in writing ability. In M. Nystrand (Ed.), *What writers know: The language, process, and structure of written discourse* (pp. 113-210). New York, NY: Academic Press.
- Schachter, J. (1974). An error in error analysis. Language Learning, 24(2), 205-214.

- Schleppegrell, M. J. (1996). Conjunction in spoken English and ESL writing. *Applied Linguistics*, 17(3), 271-285.
- Schleppegrell, M. J. (2001). Linguistic features of the language of schooling. *Linguistics and Education*, 12, 431-459.
- Schleppegrell, M. J. (2009). Grammar for generation 1.5: A focus on meaning. In M. Roberge, M. Siegal & L. Harklau (Eds.), *Generation 1.5 in College Composition: Teaching academic writing to U.S.-educated learners of ESL* (pp. 221-234). New York, NY: Routledge.
- Schmitt, N. & Zimmermann, C. B. (2002). Derivative word forms: What do learners know? *TESOL Quarterly*, *36*, 145-171.
- Schwartz, G. G. (2004). Coming to terms: Generation 1.5 students in mainstream composition. *The Reading Matrix*, *4*(3), 40-57.
- Selinker, L. (1972). Interlanguage. International Review of Applied Linguistics, 10(3), 209-231.
- Shaw, P., & Liu, E. T-K. (1998). What develops in the development of second-language writing? *Applied Linguistics*, 19(2), 225-254.
- Silva, T. (1997). Differences in ESL and native-English-speaker writing: The research and its implications. In C. Severino, J. C. Guerra, & J. E. Butler (Eds.), *Writing in multi-cultural settings* (pp. 209-219). New York, NY: Modern Language Association.
- Slager, W. (1956). The foreign student and the immigrant their different problems as students of English. *Language Learning*, 6(3/4), 24-29.
- Spolsky, B. (1968). Language testing the problem of validation. TESOL Quarterly, 2(2), 88-94.
- Spolsky, B. (1973). What does it mean to know a language; or how do you get someone to perform his competence? In J. Oller & J. Richards (Eds.), *Focus on the learner: Pragmatic perspectives of the language teacher* (pp. 164-176). Rowley, MA: Newbury House.
- Spolsky, B. (2008). Language assessment in historical and future perspective. In E. Shohamy & N. Hornberger (Eds.), *Encyclopedia of language and education* (2nd ed., Vol. 7: Language testing and assessment, pp. 445-454). New York, NY: Springer Science.
- Sudweeks, R. R., Reeve, S., & Bradshaw, W. S. (2005). A comparison of generalizability theory and many-facet Rasch measurement in an analysis of college sophomore writing. *Assessing Writing*, *9*(3), 239-261.
- Swales, J. M. (1990a). *English in academic and research settings*. Cambridge, UK: Cambridge University Press.

- Swales, J. M. (1990b). Nonnative speaker graduate engineering students and their introductions: Global coherence and local management. In U. Connor & J. M. Johns (Eds.), *Coherence in writing: Research and pedagogical perspectives* (pp. 187-207). Alexandria, VA: TESOL.
- Swales, J. M. (2004). Research genres: Exploration and applications. Cambridge, UK: Cambridge University Press.
- Swan, M., & Smith, B. (2001). *Learner English: A teacher's guide to interference and other problems*. Cambridge, UK: Cambridge University Press.
- Tannen, D. (Ed.). (1993). *Coherence in spoken and written discourse*. Norwood, NJ: Ablex Publishing Corporation.
- Tarone, E., Dailey, B., Downing, B., Cohen, A., Gillette, S., & Murie, R. (1993). The writing of southeast Asian-American students in secondary school and university. *Journal of Second Language Writing*, 2, 149-172.
- Tedick, D. J., & Mathison, M. A. (1995). Holistic scoring in ESL writing assessment: What does an analysis of rhetorical features reveal? In D. Belcher & G. Braine (Eds.), *Academic writing in a second language: Essays on research and pedagogy* (pp. 205-230). Norwood, NJ: Ablex.
- Thomas, J. (1983). Cross-cultural pragmatic failure. *Applied Linguistics*, 4, 91-112.
- Thonus, T. (2003). Serving Generation 1.5 learners in the university writing center. *TESOL Journal*, 12, 17-24.
- Tierney, R. J., & Mosenthal, J. H. (1983). Cohesion and textual coherence. *Research in the Teaching of English*, 17, 215-229.
- Truscott, J. (1996). The case against grammar correction in 12 writing classes. *Language Learning*, 46, 327-369.
- Truscott, J. (1999). The case for "the case for grammar correction in L2 writing classes": A response to Ferris. *Journal of Second Language Writing*, 8, 111-122.
- Tsai, C. H. L. (2004). *Investigating the relationship between ESL writers' strategy use and their second language writing ability*. Unpublished doctoral dissertation, Teachers College, Columbia University.
- Valdés, G. (1992). Bilingual minorities and language issues in writing: Toward profession-wide responses to a new challenge. *Written Communication*, *9*(1), pp. 85-136.
- van Dijk. T. A. (1977). Text and cohesion. The Hague, Netherlands: Mouton.

- Vande Kopple, W. (1985). Some exploratory discourse on metadiscourse. *College Composition and Communication*, *36*, 82-93.
- Vollmer, H., & Sang, F. (1983). Competing hypotheses about second language ability. In J. Oller (Ed.), *Issues in language testing research* (pp. 29-79). Rowley, MA: Newbury House.
- Weigle, S. C. (1998). Using FACETS to model rater training. *Language Testing*, 15, 263-287.
- Weigle, S. C. (2002). Assessing writing. Cambridge, UK: Cambridge University Press.
- Weigle, S. C. (2010). Validation of automated scores of TOEFL iBT tasks against non-test indicators of writing ability. *Language Testing*, 27, 335-353.
- White, E. M. (2007). *Assigning, responding, evaluating: A writing teacher's guide*. 4th Ed. Boston, MA: Bedford/St. Martin's.
- Widdowson, H. G. (1978). *Teaching language communication*. London, England: Oxford University Press.
- Wiersma, W. (2004). Research methods in education: An introduction. Boston, MA: Allyn & Bacon.
- Wikborg, E. (1990). Types of coherence breaks in Swedish student writing: Misleading paragraph division. In U. Connor & J. M. Johns (Eds.), *Coherence in writing: Research and pedagogical perspectives* (pp. 131-149). Alexandria, VA: TESOL.
- Wiseman, C. S. (2008). Investigating selected facets in measuring second language writing ability using holistic and analytic scoring methods. Unpublished doctoral dissertation, Teachers College, Columbia University.
- Wishnoff, J. R. (2000). Hedging your bets: L2 learners' acquisition of pragmatic devices in academic writing and computer-mediated discourse. *Second Language Studies*, 19, 119-148.
- Witte, S. P., & Faigley, L. (1981). Coherence, cohesion, and writing quality. *College Composition and Communication*, 32, 189-204.
- Wright, B. D., & Masters, G. N. (1982). Rating scale analysis. Chicago, IL: MESA Press.
- Yule, G. (1996). *Pragmatics*. Oxford, UK: Oxford University Press.
- Zamel, V. (1982). Writing: The process of discovering meaning. *TESOL Quarterly*, 16(2), 195-207.

Zamel, V. (1983). The composing processes of advanced ESL students: Six case studies. *TESOL Quarterly*, 17(2), 165-187.