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## CURRICULUM VITAE

### REIKO MAZUKA

#### Laboratory Head

Laboratory for Language Development  
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#### Research Professor

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### ■ Education

#### Degree Programs:

May, 1990	(Ph.D.)	Cornell University	Developmental Psychology
December, 1984	(M.Sc.)	University of Edinburgh	General Linguistics
March, 1983	(M.Litt.)	Nagoya University	Psychology
March, 1981	(B.A.)	Nagoya University	Psychology

#### Non-Degree Programs:

October, 1987 - August, 1988	The Research Institute of Logopedics and Phoniatics, Faculty of Medicine University of Tokyo	Graduate Research Student
Summer, 1986	Linguistic Society of America Summer Institute in Compu-tational Linguistics	
September, 1978 -May, 1979	Oberlin College	Exchange Student

### ■ Academic Experience

2004-Present	Laboratory Head	Laboratory for Language Development RIKEN Brain Science Institute
2013-Present	Research Professor	Department of Psychology & Neuroscience Duke University
1997- 2013	Associate Professor	Department of Psychology & Neuroscience Duke University
1990-1997	Assistant Professor	Department of Psychology, Duke University
1989-1990	Lecturer	Department of Psychology, Duke University
April, 2011 -Present	Invited Researcher	Institute of Applied Brain Sciences Waseda University

May, 2010 -March, 2011	Visiting Researcher	Institute of Applied Brain Sciences Waseda University
October, 2015 -Present	Management Committee Member	The National Institute of Japanese Language, Japan.
October, 2009 -Present	Collaborative Researcher	The National Institute of Japanese Language, Japan.
2002 -July, 2006 January	Adjunct Professor Invited Researcher	UNC Department of Psychology NTT Communication Science Research Laboratories Atsugi, Japan
-July, 2000 January-July, November, 1998	Invited Researcher	ATR Human Information Processing Laboratories Kyoto, Japan
April, 1998- March, 2014	Special Researcher	Media Network Center Waseda University
1996-Present 1994-Present 1993-1994 Summer, 1992	Core Faculty Graduate Faculty Invited Researcher Visiting Scholar	Linguistics Program, Duke University Department of Linguistics, UNC-Chapel Hill NTT Basic Research Laboratories, Tokyo, Japan The Research Institute of Logopedics and Phoniatrics, Faculty of Medicine University of Tokyo
Summers, 1979, 1981, 1983	Instructor	FALCON Intensive Japanese Program Department of Modern Languages and Linguistics Cornell University

## ■ Honors and Awards

1994-1999	NIMH FIRST Award
1993-1998	NSF Young Investigator Award
August, 1991	American Psychological Association, Division 7 (Developmental Psychology) Distinguished Dissertation Award
1990-1991	Lilly Teaching Fellowship
1988-1989	Social Science Research Council Japan Program Fellowship
1987-1988	NSF Grant for Doctoral Dissertation Research
1986	Nominated for a membership in Honor's Society Phi-Kappa-Phi
1983-1984	Rotary International Fellowship
1978-1979	Japanese Ministry of Education Fellowship for an International Exchange Program

## ■ Academic Affiliations

International Society for Infant Studies (Members-at-large, 2016-2020)  
American Psychological Society  
International Association for the Study of Child Language  
Linguistic Society of America  
Society for Research in Child Development  
Cognitive Development Society  
Language Development Society  
Korean Cognitive Science Society (Advisory Board)  
Nihon Shinri Gakkai (Japanese Psychological Society)  
Nihon Akachan Gakkai (Japanese Society of Infant Studies)  
Nihon Ninchi Kagakukai (Cognitive Science Society of Japan)  
Nihon Gengo Gakkai (Linguistics Society of Japan)  
Nihon Onkyo Gakkai (Acoustic Society of Japan) (Review editor)  
Nihon Gengo Kagakukai (Japanese Science of Language Studies, Board member)  
Hattatsu shogai shien kenkyukai (Originator, Association for Assistance for Developmental

Disorder:ADD, IEICE)

### ■ Editorial Board

2013-Present Associate Editor, Language Learning and Development  
2010-Present Frontiers in Cultural Psychology  
2010-Present Frontiers in Language Sciences  
2007-Present Syntax: Journal of Theoretical, Experimental and Interdisciplinary Research  
2004-Present Language Learning and Development  
2002-Present Korean Journal of Cognitive Science  
2000-2005 Japanese Journal of Cognitive Science  
1998-2002 Syntax: Journal of Theoretical, Experimental and Interdisciplinary Research

### ■ Ad hoc reviewer

Journal of Developmental Psychobiology  
Journal of Developmental Psychopathology  
Lawrence Erlbaum Associates (review of book manuscripts)  
Journal of Memory and Language  
Journal of Cross-Cultural Psychology  
Cognition  
Language  
Language and Speech  
Journal of Acoustical Society of America  
Journal of East Asian Linguistics  
Japanese Journal of Cognitive Science  
Journal of Language and Cognitive Processes  
Journal of Cognitive Neuroscience  
Infancy  
Neuroscience  
Bilingualism  
Neuroscience Research  
Developmental Science  
Language Learning and Development  
Journal of The Acoustical Society of Japan  
Neuropsychologia

### ■ Ad Hoc Grant Reviewer

Research Grant Council of Hong Kong  
NIMH Review Panel (Minority Institutions Infrastructure Grants)  
NSF (grant proposals in linguistics program)  
Social Sciences and Humanities Research Council of Canada (SSHRC)

### ■ Funding

2016-2020FY	Representative Researcher.	Grant-in-Aid for Scientific Research(S).
2016-2020FY	Representative Researcher.	Grant-in-Aid for Scientific Research(A).
2015-2016FY	Representative Researcher.	Grant-in-Aid for Scientific Research on Innovative Areas.
2015-2019FY	Collaborative Researcher.	Grant-in-Aid for Scientific Research(A).
2011-2015FY	Collaborative Researcher.	Grant-in-Aid for Scientific Research(A).
2009-2011FY	Representative Researcher.	Grant-in-Aid for Scientific Research(C).
2005-2008FY	Collaborative Researcher.	Grant-in-Aid for Scientific Research(A).
2011-2015FY	Collaborative Researcher.	Grant-in-Aid for Scientific Research(A).
2009-2011FY	Representative Researcher.	Grant-in-Aid for Scientific Research(C).
2005-2008FY	Collaborative Researcher.	Grant-in-Aid for Scientific Research(A).

## ■ Publications

### Journal Articles:(Since 2004)

- Ota, M., Yamane, N., & Mazuka, R. (2018). The Effects of Lexical Pitch Accent on Infant Word Recognition in Japanese. *Frontiers in Psychology: Language Sciences*, 8, 2354. doi: /10.3389/fpsyg.2017.02354
- Akimoto, Y., Takahashi, H., Gunji, A., Kaneko, Y., Asano, M., Matsuo, J., Ota, M., Kunugi, H., Hanakawa, T., Mazuka, R., & Kamio, Y. (2017). Alpha band event-related desynchronization underlying social situational context processing during irony comprehension: a magnetoencephalography source localization study. *Brain and Language*, 175, 42-46. doi: /10.1016/j.bandl.2017.09.002
- Ludusan, B., Mazuka, R., Bernard, M., Cristia, A., & Dupoux, E. (2017). The role of prosody and speech register in word segmentation: A computational modelling perspective. *Proceedings of the 55th Annual Meeting of the Association for Computational Linguistics (Short Papers)*, 178-183. (The Best Short Paper Award for 2017). doi: 10.18653/v1/P17-2028
- Mazuka, R., Hayashi, A., & Kondo, T. (2017). Sounds of infant-directed vocabulary: Learned from infants' speech or part of linguistic knowledge?. *Journal of the Phonetic Society of Japan*, 21(1), 45-58
- Miyazawa, K., Shinya, T., Martin, A., Kikuchi, H., & Mazuka, R. (2017). Vowels in Infant-directed speech: More breathy and more variable, but not clearer. *Cognition*, 166,84-93. doi: 10.1016/j.cognition. 2017.05.003
- Hirose, Y. & Mazuka, R. (2017). Exploiting pitch accent information in compound processing: A comparison between adults and 6- to 7-year-old children. *Language Learning and Development*. doi: 10.1080/15475441.2017.1292141
- Sugiura, L., Toyota, T., Matsuba-Kurita, H., Iwayama, Y., Mazuka, R., Yoshikawa, T., & Hagiwara, H. (2017). Age-dependent effects of Catechol-O-Methyltransferase(COMT) Gene Val<sup>158</sup>Met Polymorphism on language function in developing children. *Cerebral Cortex*, 27(1), 104-116. doi: 10.1093/cercor/bhw371
- Hayashi, A., & Mazuka, R. (2017). Emergence of Japanese Infants' Prosodic Preferences in Infant-Directed Vocabulary. *Developmental Psychology*, 53(1), 28-37. doi:10.1037/dev0000259
- Martin, A., Igarashi, Y., Jincho, N., & Mazuka, R. (2016). Utterances in infant-directed speech are shorter, not slower. *Cognition*, 156, 52-59. doi: 10.1016/j.cognition.2016.07.015
- Ludusan, B., Cristia, A., Martin, A., Mazuka, R., & Dupoux, E. (2016). Learnability of prosodic boundaries: Is infant-directed speech easier? *Journal of the Acoustical Society of America*, 140(2), 1239. doi: 10.1121/1.4960576
- Mazuka, R. (2016). "Akachan wa douyatte gengo o manabunoka-nihongo no tokucho o riyou shite nyuujii on in hattatsu no katei o saguru." (In Japanese). "Kokoro no kagaku, Special issue kokomade wakatta nou to kokoro", 11-15.
- Tsuji, S., Fikkert, P., Yamane, N., & Mazuka, R. (2016). Language-general biases and language-specific experience contribute to phonological detail in toddlers' word representations. *Developmental Psychology*, 52(3), 379-390. doi: 10.1037/dev0000093

- Mazuka, R., Igarashi, Y., Martin, A., & Utsugi, A. (2015). Infant-directed speech as a window into the dynamic nature of phonology. *Laboratory Phonology*, 6(3-4), 281-303. doi: 10.1515/lp-2015-0009
- Hawthorne, K., Mazuka, R., & Gerken, L. (2015). The acoustic salience of prosody trumps infants' acquired knowledge of language-specific prosodic patterns. *Journal of Memory and Language*, 82, 105-117.
- Arai, M., Nakamura, C., & Mazuka, R. (2015). Predicting the unbeaten path through syntactic context. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 41(2), 482-500.
- Martin, A., Schatz, T., Versteegh, M., Dupoux, E., Mazuka, R., Miyazawa, K., & Cristia, A. (2015). Mothers speak less clearly to infants: A comprehensive test of the hyperarticulation hypothesis. *Psychological Science*, 26(3), 341-347.
- Hirose, Y., & Mazuka, R. (2015). Predictive processing of novel compounds: Evidence from Japanese. *Cognition*, 136(2015), 350-358.
- Tsuji, S., Mazuka, R., Cristia, A. & Fikkert, P. (2015). Even at 4 months, a labial is a good enough coronal, but not vice versa. *Cognition*, 134(2015), 252-256.
- Matsuda, Y-T., Ueno, K., Cheng, K., Konishi, Y., Mazuka, R., & Okanoya, K. (2014). Auditory observation of infant-directed speech by mothers: experience-dependent interaction between language and emotion in the basal ganglia. *Frontiers in Human Neuroscience*, 8, 907. doi: 10.3389/fnhum.2014.00907.
- Tsuji, S., Nishikawa, K., & Mazuka, R. (2014). Segmental distributions and consonant-vowel association patterns in Japanese infant- and adult-directed speech. *Journal of Child Language*, 41(6), 1276-1304. doi: 10.1017/S0305000913000469.
- Jincho, N., Feng, G., & Mazuka, R. (2014). : Development of text reading in Japanese: An eye movement study. *Reading and Writing*, 27,1437-1465. doi: 10.1007/s11145-014-9500-9.
- Igarashi, Y., & Mazuka, R. (2014). “Tai nyuyoji kaiwa no naka no intoneeshon.” (In Japanese). “Nihongogaku” (In Japanese, *Japanese Linguistics*), 33(7), 40-52.
- Gonzalez-Gomez, N., Hayashi, A., Tsuji, S., Mazuka, R., & Nazzi, T. (2014). The role of the input on the development of the LC bias: A crosslinguistic comparison. *Cognition*, 132 (3), 301-311. doi: 10.1016/j.cognition.2014.04.004.
- Martin, A., Utsugi, A., & Mazuka, R. (2014). The multidimensional nature of hyperspeech: Evidence from Japanese vowel devoicing. *Cognition*, 132(2), 216-228. doi: 10.1016/j.cognition.2014.04.003.
- Miyazawa, K., Shirose, A., Mazuka, R., & Kikuchi, H. (2014). “Chishiki kakutoku moderu to shitenno jikososhikika mappu-renzoku onsei kara no kyoshi nashi onso taikai no gakushu.”(In Japanese). (Self organizing maps as the perceptual acquisition Model - Unsupervised Phoneme Learning from Continuous Speech -). “*Chino to joho nihon chino joho fuaji gakkaiishi*” (In Japanese, *Journal of Japan Society for Fuzzy Theoy and Intelligent Informatics*), 26(1), 510-520.
- Mazuka, R., Hasegawa, M., & Tsuji, S. (2014). Development of non-native vowel discrimination: Improvement without exposure. *Developmental Psychobiology*, 56, 192-209. doi: 10.1002/dev.21193.

- Arai, M., & Mazuka, R. (2014). The development of Japanese passive syntax as indexed by structural priming in comprehension. *The Quarterly Journal of Experimental Psychology*, 67(1), 60-78. doi: 10.1080/17470218.2013.790454.
- Tsuji, S., Nishikawa, K., & Mazuka, R. (2013). Segmental distributions and consonant-vowel association patterns in Japanese infant- and adult-directed speech. *Journal of Child Language*, doi: 10.1017/S0305000913000469.
- Zervakis, J., & Mazuka, R. (2013). Effect of repeated evaluation and repeated exposure on acceptability ratings of sentences. *Journal of Psycholinguistic Research*, 42(6), 505-525
- Sato, Y., Utsugi, A., Yamane, N., Koizumi, M., & Mazuka, R. (2013). Dialectal differences in hemispheric specialization for Japanese lexical pitch accent. *Brain and Language*, 127(3), 475-483. doi: 10.1016/j.bandl.2013.09.008.
- Gervain, J., Sebastian-Galles, N., Diaz, B., Laka, I., Mazuka, R., Yamane, N., Nespors, M., & Mehler, J. (2013). Word Frequency Cues Word Order in Adults: Cross-Linguistic Evidence. *Frontiers in Psychology*, 4:689, doi: 10.3389/fpsyg.2013.00689.
- Igarashi, Y., Nishikawa, K., Tanaka, K., & Mazuka, R. (2013). Phonological theory informs the analysis of intonational exaggeration in Japanese infant-directed speech. *The Journal of Acoustical Society of America*, 134(2), 1283-1294.
- Bion, R. A. H., Miyazawa, K., Kikuchi, H., & Mazuka, R. (2013). Learning phonemic vowel length from naturalistic recordings of Japanese infant-directed speech. *PLOS ONE*, 8(2), e51594.
- Minai, U., Jincho, N., Yamane, N., & Mazuka, R. (2012). What hinders child semantic computation: Children's universal quantification and the development of cognitive control. *Journal of Child Language*, 39(5), 919-956.
- Tsuji, S., Gonzalez, G. N., Medina, V., Nazzi, T., & Mazuka, R. (2012). The labial-coronal effect revisited: Japanese adults say pata, but hear tapa. *Cognition*, 125(3), 413-428.
- Nakamura, C., Arai, M., & Mazuka, R. (2012). Immediate use of prosody and context in predicting a syntactic structure. *Cognition*, 125(2), 317-323.
- Mazuka, R. (2012). "Nyuji no onsei hattatsu" (In Japanese). (Development of infant speech perception). *The Journal of the Acoustical Society of Japan*, 68(5), 241-247.
- Sato, Y., Kato, M., & Mazuka, R. (2012). Development of single/geminate obstruent discrimination by Japanese infants: Early integration of durational and non-durational cues. *Developmental Psychology*, 48(1), 18-34.
- Ito, K., Jincho, N., Minai, U., Yamane, N., & Mazuka, R. (2012). Intonation facilitates contrast resolution: Evidence from Japanese adults and 6-year olds. *Journal of Memory and Language*, 66(1), 265-284.
- Mazuka, R., Cao, Y., Dupoux, E., & Christophe, A. (2011). The development of a phonological illusion: A cross-linguistic study with Japanese and French infants. *Developmental Science*, 14(4), 693-699.
- Minagawa-Kawai, Y., van der Lely, H., Ramus, F., Sato, Y., Mazuka, R., & Dupoux, E. (2011). Optical brain imaging reveals general auditory and language-specific processing in early infant development. *Cerebral Cortex*, 21(2), 254-261.

- Sato, Y., Mori, K., Koizumi, T., Minagawa-Kawai, Y., Tanaka, A., Ozawa, E., Wakaba, Y. & Mazuka, R. (2011). Functional lateralization of speech processing in adults and children who stutter. *Frontiers in Psychology: Language Sciences*, 2, 1-10.
- Matsuda, Y-T., Ueno, K., Waggoner, A. R., Erickson, D., Shimura, Y., Tanaka, K., Cheng, K., & Mazuka, R. (2011). Processing of infant-directed speech by adults. *NeuroImage*, 54(1), 611-621.
- Sato, Y., Sogabe, Y., & Mazuka, R. (2010). Development of hemispheric specialization for lexical pitch-accent in Japanese infants. *Journal of Cognitive Neuroscience*, 22(11), 2503-2513.
- Sato, Y., Sogabe, Y., & Mazuka, R. (2010). Discrimination of phonemic vowel length by Japanese infants. *Developmental Psychology*, 46(1), 106-119.
- Yoshida, K. A., Iversen, J. R., Patel, A. D., Mazuka, R., Nito, H., Gervain, J., & Werker, J. F. (2010). The development of perceptual grouping biases in infancy: A Japanese-English cross-linguistic study. *Cognition*, 115(2), 356-361.
- Mazuka, R. (2009). "Gengo rizumu no kakutoku to inritsu ni yoru buutosutorapping kasetu" (In Japanese). (Acquisition of linguistic rhythm and prosodic bootstrapping hypothesis). "Onsei Kenkyu" (In Japanese, *Journal of the Phonetic Society of Japan*), 13(3), 19-32.
- Mazuka, R. (2009). "Gengo kakutoku no kiban o nasu rizumu ninchi" (In Japanese). (Role of linguistic rhythm for language acquisition). "Gekkan Gengo" (In Japanese, *Monthly magazine Language*), 38(6), 58-65.
- Mazuka, R., Jincho, N., & Oishi, H. (2009). Development of executive control and language processing. *Language and Linguistic Compass*, 3(1), 59-89.
- Gervain, J., Nespor, M., Mazuka, R., Horie, R., & Mehler, J. (2008). Bootstrapping word order in prelexical infants: A Japanese-Italian cross-linguistic study. *Cognitive Psychology*, 57(1), 56-74.
- Jincho, N., Namiki, H., & Mazuka, R. (2008). Effects of verbal working memory and cumulative linguistic knowledge on reading comprehension. *Japanese Psychological Research*, 50(1), 12-23.
- Mazuka, R. (2008) "Nyuji no gengo onsei chikaku to gengo hattatsu" (In Japanese). (Infant speech perception and language acquisition), "Seitai no Kagaku" (In Japanese, *Life Science*), 59(5), 448-449.
- Sato, Y., & Mazuka, R. (2008). Comments on Morokuma, Fukushima, Nakano, & Waki "Taiji kodo ni okeru chusu sinkeikinou no hyoka :Taiji no gakusyu kino to gengo hattatsu tonon kanrensei" (In Japanese). (Learning function in fetus and language development after birth. Comment on "Assessment of central nervous system by fetal development" by Morokuma, S., Fukushima, K., Nakano, H., Wake, N.). *Bebii Saiensu* (In Japanese, *Baby Science*), 7, 16-17.
- Sato, Y., Sogabe, Y., & Mazuka, R. (2007). Brain responses in the processing of lexical pitch-accent by Japanese speakers. *Neuroreport*, Dec 3; 18(18) 2001-2004.
- Mazuka, R. (2007). The rhythm-based prosodic bootstrapping hypothesis of early language acquisition: Does it work for learning for all languages? *Journal of the Linguistic Society of Japan*, (132), 1-13.
- Imai, M., & Mazuka, R. (2007). Language-relative construal of individuation constrained by universal

ontology: revisiting language universals and linguistic relativity. *Journal of Cognitive Science*, 31, 385-413

Mazuka, R. (2006). Comments on the paper by Hayashi : “Nyuji no onsei chikaku gakusyu ni okeru kobetsu gengo no eikyo” (In Japanese). (Language specific phonology on phonological development by infants : Comments on the Paper by Hayashi). *Shinrigaku-Hyoron* (In Japanese, *Japanese Psychological Review*), 49(1), 75-77.

Mazuka, R. (2005). Comments on Kajikawa & Imai, “Nyuyojiki no gengo hattatsu o sasaeru gakusyu mekanizumu: Onsei kara imi e:Gengo nai no kobetsu reberu no tokusei to gengo kakutoku no mekanizumu” (In Japanese). (Mechanism of language acquisition and its relation to language specific properties. Comment on “Learning mechanism underlying language development during infancy and childhood: From sound to meaning” by Kajikawa & Imai). *Bebii Saiensu* (In Japanese, *Baby Science*), 5, 37-38.

### **Books:**

Arita, S., Goto Butler, Y., Hauser, E., Horie, K., Mazuka, R., Shirai, Y., & Tsubakita, J. (Eds.). (2011). *Papers from the Tenth Annual Conference of the Japanese Society for Language Sciences: Studies in Language Sciences 10*. Kurosio Publishers, Tokyo.

Nakayama, M., Shirai, Y., & Mazuka, R. (2006). *Handbook of East-Asian Psycholinguistics: Volume II, Japanese*. Cambridge University Press.

Mazuka, R. (1998). *The Development of Language Processing Strategies: A cross-linguistic study between Japanese and English*. Lawrence Erlbaum Associates.

Mazuka, R., & Nagai, N. (Eds.). (1995). *Japanese Sentence Processing*. Lawrence Erlbaum Associates.

### **Book Chapters:(Since 2004)**

Gervain, J., Christophe, A., & Mazuka, R. (in press). Prosodic bootstrapping. In C. Gussenhoven & A. Chen (Eds.), *The Oxford Handbook of Language Prosody*: Oxford University Press. VII Prosody and first language acquisition, Chapter 39.

Mazuka, R., Hayashi, A., & Kondo, T. (2017). “Good Infant-directed words” do not sound like “Good Japanese words.” “On-in kenkyu no shintenkaikai: Kubozono Haruo kanreki kinen ronbun shu.” (pp. 202-219). Tokyo, Japan: Kaitakusha.

Mazuka, R. (2015). Learning to become a native listener of Japanese. In Nakayama, M. (ed.) *Handbook of Japanese Psycholinguistics, Berlin/Boston: De Gruyter Mouton*. Chapter 2, 19-47.

Jincho, N., & Mazuka, R. (2011). Individual differences in sentence processing: Effects of verbal working memory and cumulative linguistic knowledge. In Yamashita, H., Hirose, Y. & Packard, J.(Ed), *Processing and Producing Head-Final Structures, Studies in Theoretical Psycholinguistics 38*. Springer. 49-65.

Choi, Y-O., & Mazuka, R. (2009). The acquisition of prosody in Korean. In Lee, C.-M. (Ed.), *Handbook of East Asian Psycholinguistics, Volume III, Korean*. Cambridge University Press. 255-267.

Mazuka, R. (2008). “Gengo kakutoku ni okeru nenrei koka wa rinkaiki ka” (In Japanese). (Age of acquisition and critical period in language acquisition). In Iriki, A. (Ed.), “*Gengo to Shiko o*



*Umu Nou,*” (In Japanese, *Communication and Brain Science.*) University of Tokyo Press. Chapter 3, 41-77.

Mazuka, R., Kondo, T., & Hayashi, A. (2008). Japanese mothers’ use of specialized vocabulary in infant-directed speech: Infant-directed vocabulary in Japanese. In Masataka, N. (Ed.), *Origin of Language*. Springer. Chapter 4, 39-58.

Nakayama, M., Shirai, Y., & Mazuka, R. (2006). Introduction. In Nakayama, M., Shirai, Y., & Mazuka, R. (Eds.), *Handbook of East Asian Psycholinguistics, Volume II, Japanese*. Cambridge University Press, 1-10.

Kondo, T., & Mazuka, R. (2006). Effects of word properties on Japanese sentence processing. In Nakayama, M., Mazuka, R., & Shirai, Y. (Eds.), *Handbook of East Asian Psycholinguistics, Volume II, Japanese*. Cambridge University Press. 226-232.

### **Working Papers, Proceedings, and Technical Reports:(Since 2004)**

Jincho, N., Oishi, H. & Mazuka, R. (2012). A study with eye movements and pupil dilations. *Proceedings of The 29th Annual Meeting of the Japanese Cognitive Science Society*, 494-498.

Hawthorne, K., Gerken, L., & Mazuka, R. (2012). Prosodic bootstrapping of clauses: Is it language-specific? *LSA Meeting Extended Abstracts 2012*, 24: 1-15.

Saikachi, Y., Kitahara, M., Nishikawa, K. y., Kanato, A., & Mazuka, R. (2012). The F0 fall delay of lexical pitch accent in Japanese Infant-directed speech. *Proceedings of the 13th Annual Conference of the International Speech Communication Association 2012 (INTERSPEECH 2012)*, 3, 2485-2488.

Miyazawa, K., Kikuchi, H. & Mazuka, R. (2012). “Tainyuji hatsuwa no boin no fuorumanto seni to meiryosei-RIKEN nihongo boshi taiwa koopasu ni motozuku kaiseki-”(In Japanese) (Vowel formant transition and clarity in the infant directed speech: RIKEN Japanese Mother-Infant Conversation Corpus.) *Proceedings of Meeting of Acoustical Society of Japan*, 615-616.

Jincho, N., Oishi, H., & Mazuka, R. (2011). “Keiyoshi no goyoronteki kaishaku no shiyo ni taisuru shikakuchui no yudo koka” (In Japanese). (Guiding visual attention and the pragmatic use of adjectives in on-line sentence comprehension.), *Proceedings of the 28th annual meeting of the Japanese cognitive science society*, 435-436.

Saikachi, Y., Nishikawa, K., Kanato, A., & Mazuka, R. (2011). Acoustic analysis of lexical pitch accent in Japanese Infant-Directed Speech. *Proceedings of the Experimental and Theoretical Advances in Prosody 2*, 99-100.

Mazuka, R., Igarashi, Y., Nishikawa, K., & Jincho, N. (2011). International phonological analysis of infant-directed speech yields new insight into how mothers modify their prosody when speaking to infants. *Proceedings of the Experimental and Theoretical Advances in Prosody 2*, 162-163.

Ito, K., Nakamura, C., & Mazuka, R. (September, 2011). Interaction between context-driven salience and prosody during referential resolution. *Proceedings of the Experimental and Theoretical Advances in Prosody 2*, 155-156.

Arai, M., Nakamura, C., & Mazuka, R. (September, 2011). Predicting a dispreferred structural alternative as a result of syntactic priming in comprehension. *Proceedings of the 17th Annual Conference on Architectures and Mechanisms for Language Processing (AMLaP2011)*, 12-13.

- Miyazawa, K., Miura, H., Kikuchi, H., & Mazuka, R. (2011). The multi timescale phoneme acquisition model of the self-organizing based on the dynamic features. *Proceedings of the Interspeech 2011*, 749-752.
- Arai, M., Nakamura, C., & Mazuka, R. (2011). An anticipatory effect of syntactic priming in processing of structurally ambiguous sentences. *Technical Report of the Institute of Electronics, Information, and Communication Engineers (IEICE Technical Report)*, TL2011-23(2011-8), 83-86.
- Jincho, N., Oishi, H., & Mazuka, R. (2011). Effects of vision and language on attention during sentence comprehension-A visual world study-. *Technical Report of the Institute of Electronics, Information, and Communication Engineers (IEICE Technical Report)*, TL2011-16(2011-8), 49-52.
- Nakamura, C., Arai, M., & Mazuka, R. (2011). “Gaadenpasu bun syori ni okeru shikaku joho to purosodei joho no kogo sayo-shikaku sekai paradaimu o mochiita yosokuteki gankyu undo keisoku jikken-” (In Japanese). (Immediate influence of contextually appropriate prosody on processing of garden-path sentences.) *Proceedings of the 28th Annual Meeting of the Japanese Cognitive Science Society*, 36-40.
- Miyazawa, K., Kikuchi, H., & Mazuka, R. (2011). “Tai nyuji hatsuwa no onin no meiryosei: RIKEN Japanese Mother-Infant Conversation Corpus” (In Japanese). (Phoneme clarity in infant-directed speech.) *Proceedings of 2011 Spring Meeting of Acoustical Society of Japan*, Waseda University (CD-ROM), 487-490
- Utsugi, A., Koizumi, M., & Mazuka, R. (2011). “Akusento no kyotsugoka ni okeru sansyutsu to chikaku no kankei” (In Japanese). (The relation between production and perception in the standardization of lexical pitch accent). *Proceedings of the 27th Meeting of the Japanese Association of Sociolinguistic Sciences*, 78-81.
- Utsugi, A., Koizumi, M., & Mazuka, R. (2011). Subtle differences between the speech of young speakers of 'Accentless' and Standard Japanese dialects: An analysis of pitch peak alignment. *Proceedings of the 17th International Congress of Phonetic Science*, 2046-2049.
- Sato, Y., & Mazuka, R. (2011). “Onsei gengo syori ni okeru nou hanno no hattatsuteki henka” (In Japanese). (Developmental changes in brain responses during speech processing). *Proceedings of the Auditory Research Meeting, sponsored by the Technical Committee of Psychological and Physiological Acoustics*, 41(5), 315-320.
- Miyake, Y., Imaizumi, S., Sato, Y., Yamane, N., Kikuchi, H., Kumano, H., & Mazuka, R. (2011). “Teikei hattatsuji ni okeru hiniku/jodan onsei ito suitei no nou kino hattatsu” (In Japanese). (The brain response of children with typical development during judgment sarcasm and jokes from speech). *Proceedings of the Auditory Research Meeting, sponsored by the Technical Committee of Psychological and Physiological Acoustics*, 41(5), 321-326.
- Mazuka, R., Hayashi, A., Kobayashi, T., Imai, M., & Haryu, E. (2011). “Gengo hattatsu kenkyu no saizensen—Goi kakutoku no hajimari: oto to imi tonon rengo o yoi ni suru wakiyakuteki joho—”(In Japanese). (The cutting edge of language acquisition research: Factors that facilitate the association between sound and meaning.) *Proceedings of The 22nd Annual meeting of Japan Society of Developmental Psychology*, 138-139.
- Kondo, T., Jincho, N., Sato, Y., Mazuka, R. & Hayashi, A. (2010). Phonological processes in silent reading by hearing impaired adults. *The proceedings of the 27th annual meeting of the Japanese Cognitive Science Society*, 719-724.

- Miyazawa, K., Kikuchi, H., & Mazuka, R. (2010). Unsupervised learning of vowels from continuous speech based on self-organized phoneme acquisition model. *Proceedings of the Interspeech 2010*, 2914-2917.
- Arai, M. & Mazuka, R. (2010). Linking syntactic priming to language development: a visual world eye-tracking study. *Technical Report of the Institute of Electronics, Information, and Communication Engineers (IEICE Technical Report)*, 110(163), TL2010-18, 43-48.
- Oishi, H., Jincho, N., & Mazuka, R. (2010). The involvement of inhibition function during garden-path recovery in sentence processing. *Technical Report of the Institute of Electronics, Information, and Communication Engineers (IEICE Technical Report)*, 110(163), TL2010-19, 49-54.
- Utsugi, A., Koizumi, M., & Mazuka, R. (2010). The perception of non-native lexical pitch accent by speakers of 'accentless' Japanese dialects. *Proceedings of the 5th International Conference on Speech Prosody (CD-ROM)*, 1000900(1-4).
- Mazuka, R. (2010). Learning the sound system of Japanese: What does it tell us about language acquisition? *Proceedings of the 20th International Congress on Acoustics, ICA 2010*, 1-8(CD-ROM), 1034-1042.
- Utsugi, A., Koizumi, M., & Mazuka, R. (2010). A robust method to detect dialectal differences in the perception of lexical pitch accent. *Proceedings of the 20th International Congress on Acoustics, ICA 2010*, 1-8(CD-ROM), 825-832.
- Hayashi, A., & Mazuka, R. (2010). "5-11 kagetsureiji ni okeru go no kiridashi noryoku no hattatsu" (In Japanese). (Development of word segmentation in infants of 5-11 month olds). *Proceeding of the 21th Annual Conference of Japan Society of Developmental Psychology 2010*, 525.
- Hayashi, A., & Mazuka, R. (2010). Infants' speech perception between 5-and 13-months. -Developmental change in word segmentation abilities. *The Proceedings of the Auditory Research Meeting, sponsored by the Technical Committee of Psychological and Physiological Acoustics, 2010*, 40(6), 525-530.
- Mazuka, R. (2010). "Gengo no merodei o manabu: nihongo no inritsu kakutoku kenkyu kara mietekuru gengo hattatsu no mekanizumu" (In Japanese). (Learning the melody of a language: Investigation into language acquisition through the prosody of Japanese). *Proceedings of 2010 IEICE General Conference*, SS35-SS38.
- Miyazawa, K., Kikuchi, H., Shinya, T., & Mazuka, R. (2009). The dynamic structure of vowels in infant-directed speech: RIKEN Japanese Mother-Infant Conversation Corpus. *Technical Report of the Institute of Electronics, Information, and Communication Engineers (IEICE Technical Report)*, SP2009-73, 67-72.
- Igarashi, Y., & Mazuka, R. (2008). Exaggerated prosody in infant-directed speech? Intonational phonological analysis of Japanese infant-directed speech. *Proceeding of 35th Boston University Conference on Language Development (BUCLD)*, 32, Cascadilla Press, U.S.A., 177-188.
- Kitahara, M., Nishikawa, K., Igarashi, Y., Shinya, T., & Mazuka, R. (2008). "Tai nyuyoji hatsuwa ni okeru pittchi akusento no seishitsu ni tsuite. RIKEN nihongo boshi kaiwa koopasu o mochiita bunseki" (In Japanese). (Characteristics of pitch accents in infant-directed speech: An analysis of Riken Japanese Mother-Infant Conversation Corpus). *Technical Report of the Institute of Electronics, Information, and Communication Engineers (IEICE Technical Report)*, 108(338), 133-136.

- Tajima, K., Tanaka, K., & Mazuka, R. (2008). “Hahaoya tokuyu no hanashikata ha nihongo rizumu no kakutoku ni yakudatsuka?- Tai nyuji onsei ni okeru tokusyuhaku onso no bumpu kara-” (In Japanese). (Does Japanese motherese help children acquire Japanese rhythm? –Distributional analysis of moraic phonemes in infant-directed speech–). *Technical Report of the Institute of Electronics, Information, and Communication Engineers (IEICE Technical Report)*, SP2008-37, 99-104.
- Kondo, T., Jincho, N., Mazuka, R., & Hayashi, A. (2007). “Yomi no katei ni okeru onincho oyobi inritsu no eikyo”(In Japanese). (Influences of phonological length and prosody in silent reading). *Technical Report of the Institute of Electronics, Information, and Communication Engineers (IEICE Technical Report)*, TL 2007-8, 41-46.
- Mazuka, R., Igarashi, Y., & Nishikawa, K. (2006). Input for learning Japanese: RIKEN Japanese Mother-Infant Conversation Corpus. *Technical Report of the Institute of Electronics, Information, and Communication Engineers (IEICE Technical Report)*, TL2006-16(2006-07), 11-15.
- Igarashi, Y. & Mazuka, R. (2006). “Hahaoya tokuyu no hanashikata (mazariizu) wa otona no nihongo to do chigauka” (In Japanese). (How does “motherese” differ from adult Japanese?). *Technical Report of the Institute of Electronics, Information, and Communication Engineers (IEICE Technical Report)*, NLC2006-34, SP2006-90(2006-12), 31-35.

## ■ Presentations:

### Invited Presentation at Major Symposia & Colloquia:(Since 2004)

- Mazuka, R. (March, 2018). How can babies be better learners of a language than grown-ups? *The 1st WPI-IRCNC Retreat 2018*. Kanagawa, Japan.
- Mazuka, R. (September, 2017). Taking cross-linguistic differences seriously in infant speech perception: Acquisition of the Japanese sound system. East Asian Languages and Literature, The University of Hawaii. Honolulu, HI.
- Mazuka, R. (July, 2017). Infant-directed speech: How do you know what to say, or how to say it? Laboratoire de Sciences Cognitives et Psycholinguistique, Ecole Normale Supérieure de Paris. Paris, France.
- Mazuka, R. (April, 2017). Taking cross-linguistic differences seriously in infant speech perception: Acquisition of the Japanese sound system. Developmental Brownbag, Department of Psychology & Neuroscience, Duke University. Durham, NC.
- Mazuka, R. (April, 2017). Taking cross-linguistic differences seriously in infant speech perception: Acquisition of the Japanese sound system. Department of Psychology, University of Pennsylvania, PA.
- Mazuka, R. (February, 2017). A new direction on infant speech perception: A cross-Asian perspective. The University of Hong Kong. Hong Kong.
- Mazuka, R. (December,2016). Getting the input right: Refining our understanding of what children hear. The 26th international conference on computational linguistics. Osaka, Japan.
- Mazuka, R. (August, 2016). Building a fully annotated corpus of Infant-directed speech in Japanese. Workshop on corpus collection, (semi)automated analysis, and modeling of large-scale

- naturalistic language acquisition data. Cognitive Science meeting 2016. Philadelphia, PA.
- Mazuka, R. (July, 2016). Emerging issues in global psychological research. Invited organizer of Emerging Psychologists' Symposium, 31st International Congress of Psychology. Kanagawa, Japan.
- Mazuka, R. (March, 2016). Learning to be a native listener of Japanese. University of Maryland Cognitive Sciences Colloquium. College Park, MD.
- Mazuka, R. (February, 2016). Learning to become a native listener of Japanese. The University of Hong Kong. Hong Kong.
- Mazuka, R. (February, 2016). Learning to become a native listener of Japanese. Thammasat University, Thailand.
- Mazuka, R. (November, 2015). Learning to be a native listener of Japanese. University of Rochester Department of Brain and Cognitive Sciences Colloquium. Rochester, NY.
- Martin, A., Tajima, K., & Mazuka, R. (September, 2015). Function word reduction in infant-directed Japanese International Conference on Phonetics and Phonology 2015. Tokyo, Japan.
- Mazuka, R., & Hayashi, A. (September, 2015). Prosodic forms of infant-directed vocabulary can facilitate word learning. Workshop on infant speech perception. Macquarie University, Sydney, Australia.
- Mazuka, R. (December, 2014). Learning that duration can be phonemic: Acquisition of duration-based vowel and consonant phonemic contrasts in Japanese. MARCS Wednesday Afternoon Research Colloquium, Western Sydney University, Sydney, Australia.
- Mazuka, R. (December, 2014). Optical imaging studies of Japanese lexical pitch accent acquisition. Workshop on the Role of Prosody in Language Learning: Stress, Tone and Intonation. Macquarie University, Sydney, Australia.
- Mazuka, R., Martin, A., Igarashi, Y., & Utsugi, A. (July, 2014). Infant-directed speech as a window into the dynamic nature of phonology. The 14th Conference on Laboratory Phonology, Tokyo, Japan.
- Miyazaki, M. Takahashi, H., Ishihara, H., Miyazawa, K., & Mazuka, R. (March, 2014). “Robotto o mochiita boshi intarakushon kenkyu no shintenkai (in Japanese)”. ( . ) the 25th Annual Meeting for the Japan Society of Developmental Psychology Roundtable, Invited debater, Kyoto, Japan.
- Mazuka, R. (December, 2013). Learning to become a native listener of Japanese. Invited talk at Chung-Ang University International Symposium on BK21 PLUS. Seoul, Korea.
- Mazuka, R., Sato, Y., Bion, R., Miyazawa, K., & Asai, T. (December, 2013). Learning that duration can be phonemic: Acquisition of duration-based vowel and consonant phonemic contrasts in Japanese. Invited talk at the 3rd International Conference on Phonetics and Phonology (3rd ICPP). Tokyo, Japan.
- Tajima, K., Tanaka, K., Martin, A., & Mazuka, R. (December, 2013). Are phonemic length contrasts in Japanese exaggerated in infant-directed speech? Invited talk at the 3rd International Conference on Phonetics and Phonology (3rd ICPP). Tokyo, Japan.

- Mazuka, R. (September, 2013). Learning that duration can be phonemic: Acquisition of duration-based vowel and consonant phonemic contrasts in Japanese. In the Lorentz Center workshop entitled: Modelling Meets Infant Studies in Language Acquisition, Leiden, The Netherlands.
- Mazuka, R. (June, 2013). Learning that vowel duration is phonemic in Japanese: Insight from spontaneous infant-directed speech. Invited talk at the 15th Annual International Conference of the Japanese Society for Language Sciences (JSL2013), Nagasaki, Japan.
- Mazuka, R. (March, 2013). Investigating human language acquisition using phonological features of Japanese. Invited talk at Microsoft Research, Seattle, WA.
- Mazuka, R. (November, 2012). Investigating human language acquisition using phonological features of Japanese. Invited lecture for UNC Linguistics and the Triangle Center for Japanese Studies, Chapel Hill, NC.
- Mazuka, R. (October, 2012). "Akachan wa "puraton no mondai" o do norikoerunoka-Nyuji onsei hattatsu kenkyu kara no shiten-" (In Japanese).(Overcoming Plato's problem-A perspective from infant speech perception-) . Invited address at The 13th Meeting of The Society of Japanese Grammar, Nagoya, Japan.
- Mazuka, R. (September, 2012). Investigating human language acquisition using phonological features of Japanese. The 52nd Brush-up School for Global COE Program, Osaka University, ATR (Advanced Telecommunications Research Institute International )& NiCT(National Institute of Information and Communications Technology), Osaka, Japan.
- Mazuka, R. (September, 2012). "Hito no gengokakutoku no fushigi : Aite no noryoku to kimochi o hakaru "a un" no kokyu o keisanki de do hyougen suruka" (In Japanese). (Mysteries of language acquisition: Is it possible for a supercomputer to simulate intricate interaction of human communication?) . Invited address at The 4th technical symposium on the IEICE Electronics Society Technical Committee on Integrated Circuits and Devices, Fukui University, Fukui, Japan.
- Mazuka, R. (May, 2012). "Nihongo no inritsu o kagakusuru: Nihongo tokuyuu no inritsu ha gengo no kakutoku ni do yakudatsuka" (In Japanese). (Investigation of Japanese Intonation: Can Japanese intonation facilitate infants' language acquisition?). Special lecture for the program in Biological System Sciences, Graduate School of Comprehensive Scientific Research, Prefectural University of Hiroshima , Hiroshima, Japan.
- Mazuka, R. (November, 2011). "Gengo no kakutoku to gakushu" (In Japanese). (Language acquisition and language learning). Invited address at International Symposium of Stress Science at Waseda University. Tokyo, Japan.
- Mazuka, R. (October, 2011). "Nyuji onsei hattatsu kenkyu nyumon" (In Japanese). (Introduction to infant speech development). The 19th Phonetics Seminar of the Phonetic Society of Japan, RIKEN, Saitama, Japan.
- Sato, Y., & Mazuka, R. (July, 2011). "Onsei gengo syori ni okeru nou hanno no hattatsuteki henka" (In Japanese). (Developmental changes in brain responses during speech processing). Invited presentation at the Auditory Research Meeting, sponsored by the Technical Committee of Psychological and Physiological Acoustics, the Acoustical Society of Japan, Tokyo Gakugei University, Tokyo, Japan.
- Mazuka, R. (May, 2011). Investigating language acquisition through the prosodic development of Japanese. A talk given at Max Plank Institute for Psycholinguistics, Nijmegen, The Netherland.

- Mazuka, R. (May, 2011). Investigating language acquisition through the prosodic development of Japanese. A talk given at Laboratoire Cognition et Développement - CNRS, Paris, France.
- Mazuka, R. (March, 2011). “Mazariizu kara manabu nihongo no inritsu tokusei” (In Japanese). Invited talk at the 2011 Spring Meeting of the Acoustical Society of Japan, Waseda University, Tokyo, Japan.
- Mazuka, R. (February, 2011). Investigating language acquisition through the prosodic development of Japanese. A talk given at Infant Studies Center, Department of Psychology, University of British Columbia, Vancouver, Canada.
- Mazuka, R. (February, 2011). Investigating language acquisition through the prosodic development of Japanese. A talk given at Center for Infant Studies, Department of Psychology, Stanford University, Stanford, CA.
- Mazuka, R. (August, 2010). Learning the sound system of Japanese: what does it tell us about language acquisition? Distinguished Speaker, The 20th International Congress on Acoustics (ICA2010), Sydney, Australia.
- Mazuka, R. (August, 2010). Universal and language specific ways of infant directed speech: Linguistic, psycholinguistic, and brain imaging study of Japanese infant directed speech. Colloquium at Center for Language Sciences, Macquarie University, Sydney, Australia.
- Mazuka, R. (August, 2010). Infant-directed speech in Japanese: Universal and language specific characteristics. MARCS Auditory Laboratory Colloquium, University of Western Sydney, Sydney, Australia.
- Mazuka, R. (June, 2010). “Mazariizu no onsei, inritsu tokusei kara mietekuru gengo kakutoku no mekanizumu” (In Japanese). (Input for learning Japanese: Phonological and prosodic characteristics of Japanese infant-directed speech). Invited lecture, 35th meeting of Kansai Linguistic Society (Western Japanese Linguistics Society), Kyoto, Japan.
- Mazuka, R. (May, 2010). “Nihongo no kakutoku o kagaku suru: Nihongo tokuyu no inritsu wa gengo no kakutoku ni do yakudatsu ka” (In Japanese). (Science of Japanese acquisition: Contribution of prosody in Japanese), Invited lecture at Waseda University, Saitama, Japan.
- Mazuka, R. (March, 2010). “Gengo no merodei o manabu: nihongo no inritsu kakutoku kenkyu kara mietekuru gengo hattatsu no mekanizumu ” (In Japanese). (Learning the melody of a language: Investigation into language acquisition through the prosody of Japanese). Invited tutorial, Annual Conference of the Institute of Electronics, Information, and Communication Engineers (IEICE), Tohoku University, Sendai, Japan.
- Mazuka, R. (June, 2009). Developmental changes in first language acquisition: Insight from Japanese. McDonnell-Riken workshop on Adult Plasticity, Riken-Brain Science Institute. Saitama, Japan.
- Mazuka, R. (June, 2009). “Gengo wa ‘oto to imi,’ yomi wa ‘oto to imi to moji’: Nihongo no yomi ni okeru moji to oto no kankei” (In Japanese). (Meaning-sound link in oral language and meaning-sound-character link in written language: One-to-many relationship between a character and sounds in Japanese orthography present unique challenges for Japanese readers). Invited lecture at the 9th Annual Conference of Japan Dyslexia Association (Hattatsusei disurekisia kenkyukai), Yokohama, Japan.
- Mazuka, R. (May, 2009). “Akachan no gengo kakutoku o kagaku suru—gengogaku, shinrigaku, noukagaku, kogaku no syuho o kumiawaseta nyuyoji onsei kakutoku kenkyu no saizensen.” (In

Japanese). (Science of infant language acquisition: Combining linguistic, psychological, brain science and engineering methodologies in cutting-edge research), Invited lecture at Waseda University, Saitama, Japan.

- Mazuka, R. (March, 2009). Language specific ways of infant-directed speech in Japanese. Department of Linguistics/ Psychology/ East-Asian Studies Joint colloquium, Emory University, Atlanta, GA.
- Horie, R., Ito, K., Hasegawa, M., & Mazuka, R. (January, 2009). Immediate and incremental processing of lexical accent in Japanese. Presentation at the 4th Workshop on Prosody and Information Structure, Shiga, Japan.
- Igarashi, Y., Nishikawa, K., Tanaka, K., & Mazuka, R. (January, 2009). Pitch range expansion in Japanese infant-directed speech. Presentation at the 4th Workshop on Prosody and Information Structure, Shiga, Japan.
- Kitahara, M., Nishikawa, K., Igarashi, Y., Shinya, T., & Mazuka, R. (January, 2009). Characteristics of pitch accents in infant-directed speech. Presentation at the 4th Workshop on Prosody and Information Structure, Shiga, Japan.
- Shinya, T., Nishikawa, K., Igarashi, Y., Kitahara, M., Tanaka, K., & Mazuka, R. (January, 2009). Vowel quality and voice quality of vowels in Infant-directed speech: Hyperarticulated but soft voices of IDS vowels. Presentation at the 4th Workshop on Prosody and Information Structure, Shiga, Japan.
- Tajima, K., Tanaka, K., & Mazuka, R. (January, 2009). A distributional analysis of moraic phonemes in Japanese infant-directed speech. Presentation at the 4th Workshop on Prosody and Information Structure, Shiga, Japan.
- Mazuka, R. (January, 2008). Universal and language specific ways of infant directed speech: linguistic psycholinguistic, and brain imaging study of Japanese infant directed speech. Winter 2008 Michigan Linguistics Colloquium, MI.
- Igarashi, Y., & Mazuka, R. (November, 2007). Exaggerated prosody in infant-directed speech? Intonational phonological analysis of Japanese infant-directed speech. University of North Carolina, Department of Linguistics & Asian Studies Colloquium, Chapel Hill, NC.
- Mazuka, R. (June, 2007). “Mazariizu wa dare no tame?” (In Japanese). (For whom do mothers speak in motherese?). Invited presentation at the 7th Meeting of the Japanese Society of Baby Science, Saitama, Japan.
- Mazuka, R. (April, 2007). Learning NOT to associate a sound with a character: unique challenges of learning a mixed orthography in Japanese. The 2nd RIKEN BSI and Oxford-Kobe International Symposium: Reading and Dyslexia in Different Languages, Kobe, Japan.
- Igarashi, Y., & Mazuka, R. (December, 2006). “Hahaoya tokuyu no hanashikata (mazariizu) wa otona no nihongo to do chigauka: RIKEN Nihongo boshi kaiwa koopasu” (In Japanese). (How does Japanese motherese differ from adults' speech? -RIKEN Japanese Mother-Infant Conversation Corpus-. The 64th Conference of SIG-SLP, Nagoya, Japan.
- Mazuka, R. (October, 2006). Can Japanese speakers really not tell “ebzo” from “ebuzo”? Department of Linguistics Colloquium, University of Maryland at College Park, MD.
- Mazuka, R. (August, 2006). “Nyuyoji onsei chikaku no hattatsu” (In Japanese). (Development of speech perception by infants and children). Summer School for Young Physiologists by



Physiological Society of Japan, Tokyo, Japan.

Mazuka, R. (April, 2006). Is it difficult to perceive vowels we insert in our production? Relation between epenthesis and vowel perception by Japanese and Spanish speakers, Workshop on Language and Information Science, Media Network Center, Language and Speech Science Research Laboratories, Tokyo, Japan.

Mazuka, R. (March, 2006). Children can be better than adults at using prosody to resolve syntactic ambiguity. Symposium for International Joint Interdisciplinary Research Project on Communication Skills of Intention, Tokyo, Japan.

Mazuka, R. (November, 2005). Investigating human cognitive system through Japanese language. Department of Psychology, Hosei University, Tokyo, Japan.

Mazuka, R. (May, 2005). Investigation into the nature and role of infant-directed speech: What is universal? International Workshop: Tools to study language acquisition in early infancy, Trieste, Italy.

Mazuka, R. (February, 2005). Do children comprehend sentences the same as adults?: Relations among language development, cognitive development and language comprehension. Department of Computer Science, University of Tokyo, Tokyo, Japan.

Mazuka, R. (January, 2005). Behavioral studies in children's language development: Role of prosody in language acquisition. Paper presented at the 5th Winter Workshop on Brain and Mind: Statistical Modeling of the Brain, Rusutsu, Hokkaido, Japan.

Mazuka, R. (October, 2004). Investigating human mind using Japanese language as a tool: Japanese experimental psycholinguistics. Waseda University, Tokyo, Japan.

### **Refereed Presentations at Professional Meetings:(Since 2004)**

Choi, Y., Nam, M., Shin, M., Yamane, N., & Mazuka, R. (July, 2017). Emergence of Korean infants' ability to discriminate the three-way stop contrasts: Contributions of initial biases and nature of input. International association for the study of child language 2017. Lyon, France.

Yamane, N., Hasegawa, M., Kanato, A., Kijima, N., Okanoya, K., & Mazuka, R. (July, 2017). Human infant sensitivity to trans-species emotional vocal signals. International association for the study of child language 2017. Lyon, France.

Hirose, Y., & Mazuka, R. (March, 2017). Branching Ambiguity Resolution in Children and Adults : Interpretation of Role-ambiguous Prosodic Cues. First International Conference on Theoretical East Asian Psycholinguistics. Chinese University of Hong Kong. Hong Kong.

Antetomaso, S., Miyazawa, K., Feldman, N., Elsner, M., Hitczenko, K., & Mazuka, R. (November, 2016). Modeling phonetic category learning from natural acoustic data. The 40th Annual Boston University Conference on Language Development, Boston, MA.

Hirose, Y., & Mazuka, R. (May, 2016). Predicting compound head in preschoolers, first graders and adults. 2nd International Workshop on Children's Acquisition and Processing of Head-Final Languages (CAPHL). Humboldt University, Berlin, Germany.

Takahashi, M., Yamane, N., Fukuda, S., & Mazuka, R. (May, 2016). Assessment of separation-induced stress and stress-coping in infants via salivary biomarkers 2016 International Congress of

Infant Studies. Hilton New Orleans Riverside Hotel, New Orleans, LA.

- Tsuji, S., Mazuka, R., Jincho, N., & Cristia, A. (May, 2016). Social cues on screen enhance 12-month-old infants' word learning. 2016 International Congress of Infant Studies, Hilton New Orleans Riverside Hotel, New Orleans, LA.
- Yamane, N., Takahashi, M., & Mazuka, R. (May, 2016). Individual differences in infant stress reactivity and stress regulation: quantitative analysis of behavioral responses and HR. 2016 International Congress of Infant Studies. New Orleans Riverside Hotel, New Orleans, LA.
- Nam, M., Choi, Y., Yamane, N., Minha, S., & Mazuka, R. (May, 2016). Prolonged development of language-specific voicing boundaries: comparison of Korean and Japanese infants. 2016 International Congress of Infant Studies. New Orleans Riverside Hotel, New Orleans, LA.
- Takahashi, H., Kondo, A., Konishi, T., Nishikawa, K., Nakahachi, T., Komatsu, S., Mazuka, R., & Kamio, Y. (May, 2016). Relationship of Atypical Prosodic Features to Acoustic Startle Measures in Children with Autism Spectrum Disorders and Those with Typical Development. IMFAR 2016. Baltimore Convention Center, Baltimore, MD.
- Tsuji, S., Mazuka, R., Jincho, N., & Cristia, A. (January, 2016). On- screen social cues enhance word learning in 12-month-old infants. Budapest CEU Conference on Cognitive Development. Budapest, Hungary.
- Chen, H., Yamane, N., Rattasone, N. X., Demuth, K., & Mazuka, R. (November, 2015). Japanese infants are aware of phonemic vowel length in novel words at 18 months. The 40th Boston University Conference on Language Development, Boston University, Boston, MA.
- Nakamura, R., Miyazawa, K., Ishihara, H., Nishikawa, K., Kikuchi, H., Asada, M., & Mazuka, R. (October, 2015). Constructing the corpus of Infant-Directed Speech and Infant-Like Robot-Directed Speech. the International Conference on Human-Agent Interaction(iHAI) 2015. Daegu, Korea.
- Chen, H., Yamane, N., Rattasone, N. X., Demuth, K., & Mazuka, R. (September, 2015). The sensitivity to vowel length distinction in novel words at 18 months: Evidence from Japanese infants Workshop on infant speech perception. Macquarie University, Sydney, Australia.
- Cristia, A., Guevara Rukoz, A., Ludusan, B., Martin, A., Mazuka, R., Schatz, T., Thiolliere, R., Versteegh, M., & Dupoux, E. (June, 2015). What is child-directed speech good for? A quantitative multi-level analysis. Workshop on Infant Language Development 2015, Stockholm, Sweden.
- Nam, M., Choi, Y., Yamane, N., & Mazuka, R. (June, 2015). Discrimination of Lenis and Aspirated Stop Contrasts among Korean infants. Workshop on Infant Language Development 2015, Stockholm, Sweden.
- Kondo, A., Nishikawa, K., Konishi, T., Takahashi, H., Kamio, Y., & Mazuka, R. (May, 2015). Linguistic Aspects of Prosody Is Intact in Children with Autism Spectrum Disorders. 2015 International Meeting for Autism Research. Salt Lake City, UT.
- Kondo, A., Nishikawa, K., Konishi, T., Takahashi, H., Kamio, Y., & Mazuka, R. (May, 2015). Variability as a key feature of Autism spectrum disorders prosody. Experimental and Theoretical Advances in Prosody3. the University of Illinois at Urbana-Champaign, IL.
- Martin, A., Schatz, T., Versteegh, M., Dupoux, E., Mazuka, R., Miyazawa, K., & Cristia, A. (January,

- 2015). Infant-directed speech is not hyperarticulated: A comprehensive study. The 89th Annual Meeting of Linguistics Society of America, Portland, OR.
- Ludusan, B., Martin, A., Mazuka, R., Cristia, A., & Dupoux., E. (November, 2014). Pause Trumps All: A Corpus-Based Study on Prosodic Boundary Cues in Japanese Child-Directed Speech. The 39th Annual Boston University Conference on Language Development, Boston, MA.
- Martin, A., Tajima, K., & Mazuka, R. (November, 2014). Japanese mothers undo function word reduction when talking to infants. The 39th Annual Boston University Conference on Language Development, Boston, MA.
- Gonzalez-Gomez, N., Tsuji, S., Hayashi, A., Mazuka, R., & Nazzi, T. (July, 2014). Japanese-learning infants prefer “tabs” while French-learning infants prefer “bats”: Exploring crosslinguistic phonological development. International Congress for the Study of Child Language, University of Amsterdam, Amsterdam, The Netherlands.
- Hayashi, A., Tsuji, S., & Mazuka, R. (July, 2014). Emergence of Japanese infants’ preference to a highly frequent, but universally disfavored phonotactic pattern. International Congress for the Study of Child Language, University of Amsterdam, Amsterdam, The Netherlands.
- Yamane, N., Johnson, K., Ruba, A., Hatano, Y., & Mazuka, R. (July, 2014). Sensitivity to emotional vocalization in infants: A cross-linguistic study with Japanese and English learning infants. International Congress for the Study of Child Language, University of Amsterdam, Amsterdam, The Netherlands.
- Tsuji, S., Mazuka, R., Cristia, A., & Fikkert, P. (November, 2013). A cross-linguistic study of the labial-coronal perceptual asymmetry: evidence from Dutch and Japanese infants. The 38th Annual Boston University Conference on Language Development, Boston, MA.
- Asai, T., Miyazawa, K., Kikuchi, H., & Mazuka, R. (September, 2013). On the possibility of language acquisition of Japanese special mora considered the frequency distribution of acoustic cues in the input. 2013 Autumn Meeting of the Acoustical Society of Japan, Toyohashi, Japan.
- Miyazawa, K., Shinya, T., Kanato, A., Kikuchi, H., & Mazuka, R. (September, 2013). Breathiness and Hearing Impression of Vowels in Infant Directed Speech - RIKEN Japanese Mother-Infant Conversation Corpus -. 2013 Autumn Meeting of the Acoustical Society of Japan, Toyohashi, Japan.
- Miyazawa, K., Miura, H., Kikuchi, H., & Mazuka, R. (September, 2013). Phoneme acquisition from infant-directed speech: A computational modeling approach. In the Lorentz Center workshop entitled: Modelling Meets Infant Studies in Language Acquisition, Leiden, The Netherlands.
- Jincho, N., & Mazuka, R. (September, 2013). Developmental change in effects of spaces on reading Japanese text. The 75th Annual Convention of the Japanese Psychological Association, Sapporo, Japan.
- Jincho, N., & Mazuka, R. (August, 2013). Inserting spaces in Japanese text affects reading speed both positively and negatively in children but only positively in adults. The 17th European Conference on Eye Movements, Lund, Sweden.
- Tajima, K., Tanaka, K., Martin, A., & Mazuka, R. (August, 2013). Is the Vowel Length Contrast in Japanese Exaggerated in Infant-Directed Speech? Interspeech 2013, Lyon, France.
- Tsuji, S., Mazuka, R., Cristia, A., & Fikkert, P. (June, 2013). Language-general prelexical basis of the

labial-coronal perceptual asymmetry: evidence from Dutch and Japanese. The International Child Phonology Conference 2013, Nijmegen, The Netherlands.

- Tajima, K., Tanaka, K., Martin, A., & Mazuka, R. (June, 2013). Is the mora rhythm of Japanese more strongly observed in infant-directed speech than in adult-directed speech? The 21st International Congress on Acoustics (ICA 2013), Quebec, Canada.
- Martin, A., Igarashi, Y., Jincho, N., & Mazuka, R. (April, 2013). Do mothers speak more slowly to infants? Evidence from Japanese. Society for Research in Child Development Biennial Meeting, Seattle, WA.
- Oishi, H., Jincho, N., & Mazuka, R. (March, 2013). Towards the understanding of the correspondence relationship between language-related ERP components and oscillatory activities. The 26th Annual CUNY Conference on Human Sentence Processing, Columbia, SC.
- Jincho, N., Oishi, H. & Mazuka, R. (December, 2012). Development of referential ambiguity resolution during sentence comprehension: A study with eye movements and pupil dilations. The 29th Annual Meeting of the Japanese Cognitive Science Society, Sendai, Japan.
- Hawthorne, K., Gerken, L., & Mazuka, R. (November, 2012). Prosodic bootstrapping across ages and languages. The 37th Annual Boston University Conference on Language Development, Boston, MA.
- Tajima, K., Tanaka, K., Martin, A., & Mazuka, R. (November, 2012). Does motherese help children acquire native-language rhythm?-A corpus analysis of "mora-timed" rhythm in Japanese infant-directed speech. The 37th Annual Boston University Conference on Language Development, Boston, MA.
- Martin, A., Utsugi, A., & Mazuka, R. (November, 2012). Vowel devoicing in infant-directed Japanese. The 37th Annual Boston University Conference on Language Development, Boston, MA.
- Mizuochi-Endo, T., Oishi, H., Omori, R., Tsuji, S., Hasegawa, M., & Mazuka, R. (September, 2012). Developmental transitions in infants' mismatch response to sound duration change. The 35th Annual Meeting of the Japan Neuroscience Society, Nagoya University, Nagoya, Japan.
- Saikachi, Y., Kitahara, M., Nishikawa, K., Kanato, A., & Mazuka, R. (September, 2012). The F0 fall delay of lexical pitch accent in Japanese Infant-Directed speech. Interspeech 2012, Portland, OR.
- Sato, Y., Imaizumi, S., Yamane, N., Miyake, Y., Kikuchi, H., & Mazuka, R. (August, 2012). "Hatsuwa ito rikai ni okeru noukino no hattatsuteki henka" (In Japanese). (Developmental changes of brain responses in understanding speakers' intentions). The 15th Annual meeting of the cognitive neuropsychology society, Tokyo, Japan.
- Asai, T., Miyazawa, K., Bion, R., Kikuchi, H. & Mazuka, R. (June, 2012). "Shizen hatsuwa no hassei hindo wo koryoshita chotanboin no kyoshinashi gakusyu moderu" (In Japanese). (Unsupervised Learning Model of the Short and Long Vowel Contrasts Considering Occurrence Frequency of the Natural Utterance). Symposium for Waseda University Institute of Applied Brain Sciences, Tokyo, Japan.
- Hawthorne, K., Gerken, L., & Mazuka, R. (June, 2012). The Trans-Linguistic Robustness of Prosodic Cues in Syntax Acquisition. International Conference on Infant Studies 2012 Biennial Meeting, Minneapolis, MN.
- Bion, R. A. H., Miyazawa, K., & Mazuka, R. (June, 2012). Learning of Phonemic Vowel Length from

Distributions of Japanese Infant-directed Speech. 2012 International Conference on Infant Studies, Minneapolis, MN.

- Miyake, Y., Imaizumi, S., Sato, Y., Yamane, N., Kikuchi, H., Kumano, H., & Mazuka, R. (March, 2012). “Teikei hattatsuji ni okeru nou katsudo kara mita hatsuwa ito suitei noryoku” (In Japanese). (The ability to interpret speaker's intentions in typically developing children, measured by NIRS ). The 23th Annual Conference of Japan Society of Developmental Psychology, Nagoya, Japan.
- Miyazawa, K., Kikuchi, H., & Mazuka, R. (March, 2012). “Maruchitaimusukeeru onin kakutoku moderu o mochiita tai nyuji onsei no tokusei kaiseki” (In Japanese). (Acoustic Analysis of Infant Directed Speech Using the Multi-Timescale Phoneme Acquisition Model). Study Meeting of the Institute of Electronics, Information, and Communication Engineers (IEICE), RIKEN, Saitama, Japan.
- Miyazawa, K., Kikuchi, H., & Mazuka, R. (March, 2012). “Tai nyuji hatsuwa no boin no fuorumant suii to meiryosei- RIKEN nihongo boshi koopasu ni motozuku kaiseki -” (In Japanese). (Vowel Formant Transition and Clarity in the Infant Directed Speech - RIKEN Japanese Mother-Infant Conversation Corpus -). 2012 Spring Meeting of the Acoustical Society of Japan, Yokohama, Japan.
- Ito, K., Nakamura, C., & Mazuka, R. (March, 2012). Effects of visual and discourse contexts and prosody on referential resolution. 25th Annual CUNY Conference on Human Sentence Processing, New York, NY.
- Martin, A., Utsugi, A., & Mazuka, R. (January, 2012). Vowel devoicing in infant-directed Japanese: optimized for learning or understanding? The 86th Annual Meeting of the Linguistic Society of America, Portland, OR.
- Hawthorne, K., Mazuka, R., & Gerken, L.A. (January, 2012). The prosodic bootstrapping of clauses: Is it language-specific? The 86th Annual Meeting of the Linguistic Society of America, Portland, OR.
- Sato, Y., Kato, M., & Mazuka, R. (December, 2012). Development of single/geminate obstruent discrimination by Japanese infants. NINJAL international conference on phonetics and phonology (ICPP 2011), Kyoto, Japan.
- Saikachi, Y., Kitahara, M., Nishikawa, K., Kanato, A., & Mazuka, R. (December, 2012). Acoustic analysis of lexical pitch accent in Japanese Infant-Directed Speech. NINJAL international conference on phonetics and phonology (ICPP 2011), Kyoto, Japan.
- Jincho, N., & Mazuka, R. (September, 2011). Contributions of working memory capacity and cognitive control to language and communication development. 75th Japanese Psychological Association Tokyo 2011 College of Humanities and Sciences, Tokyo, Japan.
- Jincho, N., Oishi, H., & Mazuka, R. (September, 2011). Guiding visual attention and the pragmatic use of adjectives in on-line sentence comprehension. The 28th Annual meeting of the Japanese Cognitive Science Society, Tokyo, Japan.
- Nakamura, C., Arai, M., & Mazuka, R. (September, 2011). Immediate influence of contextually appropriate prosody on proceeding of garden-path sentences. The 28th Annual meeting of the Japanese Cognitive Science Society, Tokyo, Japan.
- Mazuka, R., Igarashi, Y., Nishikawa, K., & Jincho, N. (September, 2011). International phonological analysis of infant-directed speech yields new insight into how mothers modify their prosody

when speaking to infants. *Experimental and Theoretical Advances in Prosody 2*, Montreal, Canada.

- Saikachi, Y., Nishikawa, K., Kanato, A., & Mazuka, R. (September, 2011). Acoustic analysis of lexical pitch accent in Japanese Infant-Directed Speech. *Experimental and Theoretical Advances in Prosody 2*. Montreal, Canada.
- Ito, K., Nakamura, C., & Mazuka, R. (September, 2011). Interaction between context-driven salience and prosody during referential resolution. *Experimental and Theoretical Advances in Prosody 2*. Montreal, Canada.
- Nakamura, C., Arai, M., & Mazuka, R. (September, 2011). Prediction of the correct structural analysis driven by contextually appropriate prosodic information. 17th Annual Conference on Architectures and Mechanisms for Language Processing, Paris, France.
- Arai, M., Nakamura, C., & Mazuka, R. (September, 2011). Predicting a dispreferred structural alternative as a result of syntactic priming in comprehension. *Architectures and Mechanisms for Language Processing (AMLaP2011)*, Paris, France.
- Jincho, N., Oishi, H., & Mazuka, R. (August, 2011). Effects of vision and language on attention during sentence comprehension-A Visual world study-. Technical meeting of the Institute of Electronics, Information, and Communication Engineers (IEICE), Hiroshima, Japan.
- Arai, M., Nakamura, C., & Mazuka, R. (August, 2011). An anticipatory effect of syntactic priming in processing of structurally ambiguous sentences. Technical meeting of the Institute of Electronics, Information, and Communication Engineers (IEICE), Hiroshima, Japan.
- Nakamura, C., Arai, M., & Mazuka, R. (August, 2011). Immediate use of contextually appropriate prosody. Technical meeting of the Institute of Electronics, Information, and Communication Engineers (IEICE), Hiroshima, Japan.
- Utsugi, A., Koizumi, M., & Mazuka, R. (August, 2011). Subtle differences between the speech of young speakers of 'Accentless' and Standard Japanese dialects: An analysis of pitch peak alignment. The 17th International Congress of Phonetic Science, Hong Kong, China.
- Miyazawa, K., Miura, H., Kikuchi, H., & Mazuka, R. (August, 2011). The multi timescale phoneme acquisition model of the self-organizing based on the dynamic features. *Interspeech 2011*, Florence, Italy.
- Jincho, N., Feng, G., & Mazuka, R. (August, 2011). Reading eye movements of Japanese children. 16th European Conference on Eye Movements, Marseille, France.
- Tsuji, S., Fikkert, P., & Mazuka, R. (July, 2011). From one place to the next. 12th International Congress for the Study of Child Language, Montreal, Canada.
- Miyake, Y., Imaizumi, S., Sato, Y., Yamane, N., Kikuchi, H., Kumano, H., & Mazuka, R. (July, 2011). The Brain response of children with typical development during judgment sarcasm and jokes from speech. The Auditory research meeting, sponsored by the Technical Committee of Psychological and Physiological Acoustics, The Acoustical Society of Japan, Tokyo, Japan.
- Mizuochi-Endo, T., Oishi, H., Omori, R., Tsuji, S., Hasegawa, M., & Mazuka, R. (June, 2011). A developmental transition in infant's mismatch response to sound duration change. 17th Annual Meeting of the Organization on Human Brain Mapping, Quebec City, Canada.

- Miyazawa, K., Miura, H., Kikuchi, H., & Mazuka, R. (June, 2011). A consideration of self-organized phoneme acquisition model from continuous speech. The 25th Annual Conference of the Japanese Society for Artificial Intelligence 2011, Morioka, Japan.
- Arai, M., Nakamura, C., & Mazuka, R. (March, 2011). An anticipatory effect of syntactic priming in processing garden-path sentences. 24th Annual CUNY Conference on Human Sentence Processing, Stanford, CA.
- Nakamura, C., Arai, M., & Mazuka, R. (March, 2011). Listeners can use prosodic cues to avoid being garden-pathed. 24th Annual CUNY Conference on Human Sentence Processing, Stanford, CA.
- Oishi, H., Jincho, N., & Mazuka, R. (March, 2011). An electrophysiological study on two types of conflict during online sentence processing. 24th Annual CUNY Conference on Human Sentence Processing, Stanford, CA.
- Utsugi, A., Koizumi, M., & Mazuka, R. (March, 2011). “Akusento no kyotsugoka ni okeru sansyutu to chikaku no kankei” (In Japanese). (The relation between production and perception in the standardization of lexical pitch accent). The 27th meeting of the Japanese Association of Sociolinguistic Sciences, Tokyo, Japan.
- Miyazawa, K., Kikuchi, H., & Mazuka, R. (March, 2011). “Tai nyuji hatsuwa no onin no meiryosei: RIKEN Japanese Mother-Infant Conversation Corpus” (In Japanese). (Phoneme Clarity in the Infant Directed Speech.) 2011 Spring meeting of the Acoustical Society of Japan, Waseda University, Tokyo, Japan.
- Mazuka, R., & Sogabe, Y. (November, 2010). Phonetic discrimination at word-initial, word-medial, and word-final positions with and without lexical pitch-accent in Japanese. 35th Boston University Conference on Language Development (BUCLD35), Boston, MA.
- Kondo, T., Jincho, N., Sato, Y., Mazuka, R. & Hayashi, A. (September, 2010). Phonological processes in silent reading by hearing impaired adults. The 27th Annual meeting of the Japanese Cognitive Science Society, Hyogo, Japan.
- Miyazawa, K., Kikuchi, H., & Mazuka, R. (September, 2010). Unsupervised learning of vowels from continuous speech based on self-organized phoneme acquisition model. Interspeech 2010, Chiba, Japan.
- Sato, Y., Yamane, N., & Mazuka, R. (September, 2010). “Nyuyoji no chotan boin bembetsu noryoku to nou hanno” (In Japanese). (Neural and behavioral responses in discrimination of phonemic vowel length by Japanese infants). 2010 Autumn meeting of the Acoustical Society of Japan, Kansai University, Osaka, Japan.
- Utsugi, A., Koizumi, M., & Mazuka, R. (August, 2010). A robust method to detect dialectal differences in the perception of lexical pitch accent. The 20th International Congress on Acoustics (ICA2010), Sydney, Australia.
- Arai, M., & Mazuka, R. (August, 2010). Linking syntactic priming to language development: a visual world eye-tracking study. August 2010 Meeting of the Technical Group of Thought and Language of the Institute of Electronics, Tokyo, Japan.
- Oishi, H., Jincho, N., & Mazuka, R. (August, 2010). The involvement of inhibition function during garden-path recovery in sentence processing. August 2010 Meeting of the Technical Group of Thought and Language of the Institute of Electronics, Tokyo, Japan.

- Hayashi, A., & Mazuka, R. (July, 2010). Infants' speech perception between 5-and 13-months. -Developmental change in word segmentation abilities. The Auditory research meeting, sponsored by the Technical Committee of Psychological and Physiological Acoustics, the Acoustical Society of Japan, Hiroshima, Japan
- Matsuda, Y-T., Ueno, K., Cheng, K., Mazuka, R., & Okanoya, K. (June, 2010). Striatum processes experience-dependent interaction between language and emotion in "Motherese". Annual Meeting of the Organization for Human Brain Mapping (HBM2010), Barcelona, Spain.
- Utsugi, A., Koizumi, M., & Mazuka, R. (May, 2010). The perception of non-native lexical pitch accent by speakers of 'accentless' Japanese dialects. The 5th International Conference on Speech Prosody, Chicago, IL.
- Hayashi, A., & Mazuka, R. (March, 2010). "5-11 kagetsureiji ni okeru go no kiridashi noryoku no hattatsu" (In Japanese). (Development of word segmentation in infants of 5-11 month olds). The 21st Annual Conference of Japan Society of Developmental Psychology 2010, Kobe, Japan.
- Arai, M., & Mazuka, R. (March, 2010). Syntactic priming as an index of children's syntactic knowledge: Evidence from visual world eye-tracking study. 23rd Annual CUNY Conference on Human Sentence Processing, New York, NY.
- Oishi, H., Jincho, N., & Mazuka, R. (March, 2010). Sentence processing under the control of executive control?: Contribution of inhibition function to garden-path recovery. 23rd Annual CUNY Conference on Human Sentence Processing, New York, NY.
- Tsuji, S., Nishikawa, K., & Mazuka, R. (March, 2010). Input frequency of place of articulation in Japanese infant-directed speech: An exceptional case. 2010 International Conference on Infant Studies, Baltimore, MD.
- Ito, K., Jincho, N., Yamane, N., Minai, U., & Mazuka, R. (November, 2009). Use of emphatic pitch prominence for contrast resolution: An eye-tracking study with 6-year old and adult Japanese listeners. Boston University Conference on Language Development 34 (BUCLD34), Boston, MA.
- Jincho, N., Oishi, H., & Mazuka, R. (November, 2009). Children can access pragmatic contexts immediately during on-line sentence comprehension, but they cannot suppress interfering ones selectively. Boston University Conference on Language Development 34 (BUCLD34), Boston, MA.
- Sato, Y., Jincho, N., Omori, R., Kondo, T., & Mazuka, R. (November, 2009). Brain activation for written word processing in deaf readers. Boston University Conference on Language Development (BUCLD34), Boston, MA.
- Miyazawa, K., Kikuchi, H., Shinya, T., & Mazuka, R. (November, 2009). The dynamic structure of vowels in infant-directed speech: RIKEN Japanese Mother-Infant Conversation Corpus. Study Meeting of the Institute of Electronics, Information, and Communication Engineers (IEICE), Shizuoka, Japan.
- Ito, K., Horie, R., Oishi, H., Hasegawa, M., & Mazuka, R. (October, 2009). An incremental processing of lexical accent: An ERP study in Japanese. The 39th Annual Meeting of Neurobiology of Language Conference (NLC 2009), Chicago, IL.
- Ito, K., Horie, R., Oishi, H., Hasegawa, M., & Mazuka, R. (September, 2009). Electrophysiological evidence for incremental processing of lexical pitch accent in Japanese. The 15th Annual



Conference on Architectures and Mechanisms for Language Processing, Barcelona, Spain.

- Ito, K., Jincho, N., Yamane, N., Minai, U., & Mazuka, R. (September, 2009). Use of emphatic prosody in Japanese adults & 6-year olds. The 15th Annual Conference on Architectures and Mechanisms for Language Processing, Barcelona, Spain.
- Hayashi, A., & Mazuka, R. (July, 2008). Cues from infant-directed speech for word segmentation in Japanese. XI International Congress for the Study of Child Language (IASCL), Edinburgh, U.K.
- Horie, R., Ito, K., Oishi, H., Omori, R., Sogabe, Y., & Mazuka, R. (July, 2008). Event-related potentials evoked by Japanese pitch-accent mismatch. Poster presented at The 31st Annual Meeting of the Japan Neuroscience Society (Neuro 2008), Tokyo, Japan.
- Matsuda, Y-T., Ueno, K., Waggoner, A. R., Erickson, D., Shimura, Y., Tanaka, K., Cheng, K., & Mazuka, R. (July, 2008). Experience-, gender- and personality-dependent processing of infant-directed speech in adults: An fMRI study. Poster presented at The 31st Annual Meeting of the Japan Neuroscience Society (Neuro 2008), Tokyo.
- Minagawa-Kawai, Y., Sato, Y., Mazuka, R., Ramus, F., & Dupoux, E. (July, 2008). Optical imaging of infants' perception of speech and non-speech. The 31st Annual Meeting of the Japan Neuroscience Society (Neuro 2008), Tokyo, Japan.
- Ota, M., Yamane, N., & Mazuka, R. (July, 2008). Lexical and phrasal pitch contours in early lexical representations. XI International Congress for the Study of Child Language (IASCL), Edinburgh, U.K.
- Tajima, K., Tanaka, K., & Mazuka, R. (June, 2008). Does Japanese motherese help children acquire Japanese rhythm? –Distributional analysis of moraic phonemes in infant-directed speech–. Joint meeting of Speech committee, Technical Committee of Psychological and Physiological Acoustics, and Phonetic Society of Japan, Sapporo, Japan.
- Otomo, K., Hayashi, A., Kanno, A., Hashimoto, S., Jincho, N., Yamane, N., & Mazuka, R. (March, 2008). “Yoji ni okeru kyodo chui to hyojo no sansyo: Shisen tsuiseki shisutemu ni yoru kento.” (In Japanese). (Children's joint attention and perception of facial expression: A study with eye tracking). The 19th Annual Conference of Japan Society of Developmental Psychology 2008, Osaka, Japan.
- Sato, Y., Sogabe, Y., & Mazuka, R. (March, 2008). Cortical responses to lexical pitch-accent in Japanese infants. XVIth Biennial International Conference on Infant Studies, Vancouver, Canada.
- Horie, R., Hayashi, A., Shirasawa, K., & Mazuka, R. (March, 2008). Mother, I don't really like the high-pitched, slow speech of Motherese: Cross-linguistic differences in infants' reliance on different acoustic cues in infant directed speech. XVIth Biennial International Conference on Infant Studies, Vancouver, Canada.
- Jincho, N., Ito, K., Yamane, N., Minai, U., & Mazuka, R. (March, 2008). Effects of visual contrast in pre-nominal modifier phrase comprehension in Japanese: an eye tracking experiment with children and adults. 21st Conference on Human Sentence Processing, Chapel Hill, NC.
- Choi, Y., Jincho, N., & Mazuka, R. (March, 2008). Similar patterns with different children: The difference in the parsing pattern between Korean and Japanese children. 21st Annual CUNY Conference on Human Sentence Processing, Chapel Hill, NC.
- Ito, K., Jincho, K., Minai, U., Yamane, N., & Mazuka, R. (March, 2008). Use of emphatic intonation for

contrast resolution in Japanese: Adults vs. 6yr-olds. 21st Annual CUNY Conference on Human Sentence Processing, Chapel Hill, NC.

- Igarashi, Y., & Mazuka, R. (November, 2007). Exaggerated prosody in infant-directed speech? Intonational phonological analysis of Japanese infant-directed speech. The Boston University Conference on Language Development (BUCLD 32), Boston, MA.
- Matsuda, Y-T., Ueno, K., Erickson, D., Shimura, Y., Waggoner, A. R., Tanaka, K., Cheng, K., & Mazuka, R. (November, 2007). Processing of infant-directed speech in parents: Experience, gender individual dependency. Japanese Conference for fMRI - a Tool for Neuroscience research-, Okazaki, Japan.
- Matsuda, Y-T., Ueno, K., Erickson, D., Shimura, Y., Waggoner, A. R., Tanaka, K., Cheng, K., & Mazuka, R. (October, 2007). “Nyuyoji muke hatsuwa ni okeru nou katudo no keikensa, danjosa, kojinsa no hikaku” (In Japanese). (Processing of infant-directed speech in parents: Experience, gender individual dependency.) Japanese Conference for Auditory Perception, Morioka, Japan.
- Jincho, N., Feng, G., Mazuka, R., & Kondo, T. (September, 2007). Development of reading comprehension in elementary school children: An eye movement study. The 49th Annual Meeting of Japanese Association of Educational Psychology, Koshigaya, Japan.
- Kondo T., Jincho, N., Mazuka, R., & Hayashi, A. (September, 2007). Effects of sub vocalization on eye movements during silent reading. The 24th Annual Meeting of the Japanese Cognitive Science Society, Tokyo, Japan.
- Matsuda, Y-T., Ueno, K., Erickson, D., Shimura, Y., Waggoner, A. R., Tanaka, K., Cheng, K., & Mazuka, R. (September, 2007). Processing of infant-directed speech in parents: An fMRI study. The 30th Annual Meeting of the Japan Neuroscience Society (Neuro2007), Yokohama, Japan.
- Sato Y., Sogabe Y., & Mazuka R. (September, 2007). A Near-Infrared Spectroscopy(NIRS) study of lexical pitch accent processing in Japanese speakers. Presented at Brain '07 and Brain PET '07, The 23rd International Symposium on Cerebral Blood Flow and Metabolism & The 8th International Conference on Quantification of Brain Function with PET, Osaka, Japan
- Sato, Y., Sogabe, Y., & Mazuka, R. (September, 2007). Brain responses in to the perception of lexical pitch-accent. Autumn Meeting of the Acoustical Society of Japan 2007, Kofu, Japan.
- Jincho, N., & Mazuka, R. (September, 2007). Individual differences in on-line sentence comprehension: Effects of working memory capacity and cumulative linguistic knowledge. Poster presented at International Conference on Processing Head-final Structures, Rochester, NY.
- Kondo, T., Jincho, N., Mazuka, R., & Hayashi, A. (September, 2007). Effects of sub vocalization on eye movements during silent reading. Poster presented at 24th Annual Meeting of the Japanese Cognitive Science Society, Tokyo, Japan
- Jincho, N., Feng, G., Mazuka, R., & Kondo, T. (September, 2007). Development of reading comprehension in elementary school children: An eye movement study. Poster Presented at The 49th Annual Meeting of Japanese Association of Educational Psychology, Koshigaya, Japan
- Kondo, T., Jincho, N., Mazuka, R., & Hayashi, A. (April, 2007). Influences of phonological length and prosody in silent reading. Paper presented at Thought and Language Workshop in the Institute of Electronics, Information, and Communication Engineers, Tokyo, Japan.
- Jincho, N., Mazuka, R., & Yamane, N. (March, 2007). No, there is no cat in the second place: Children's

incremental processing of pronominal modifiers and executive control of response inhibition. Paper presented at 20th Annual CUNY Conference on Human Sentence Processing, San Diego, CA.

Matsuda, Y-T., Ueno, K., Erickson, D., Shimura, Y., Waggoner, A. R., Tanaka, K., Cheng, K., & Mazuka, R. (March, 2007). Processing of infant-directed speech in adults: Experience, gender individual dependency. Japan society of Developmental Psychology, Saitama, Japan.

Matsuda, Y-T., Ueno, K., Waggoner, A. R., Erickson, D., Shimura, Y., Tanaka, K., Cheng, K., & Mazuka, R. (January, 2007). Processing of infant-directed speech in adults –An fMRI study-. Poster presented at Mechanism of Brain and Mind the 7th Winter Workshop, Rusutsu, Japan.

Jincho, N., Mazuka, R., Feng, G., & Yamane, N. (November, 2006). Children and adults show different timelines for on-line integration of prosodic cues during comprehension of syntactically ambiguous sentences: Eye-movement data from Japanese children and adults. Paper presented at Boston University Language Development Conference, Boston, MA.

Matsuda, Y-T., Ueno, K., Waggoner, A. R., Erickson, D., Shimura, Y., Tanaka, K., Cheng, K., & Mazuka, R. (October, 2006). Processing of infant-directed prosody and lexicon: An fMRI study, A paper presented at SFN meeting, Atlanta, GA.

Mazuka, R., Igarashi, Y., & Nishikawa, K. (July, 2006). Input for learning Japanese:RIKEN Japanese Mother-Infant Conversation Corpus. Thought and Language Workshop in the Institute of Electronics, Information, and Communication Engineers (IEICE), University of Tokyo, Tokyo, Japan.

Mazuka, R. & Tanaka, Y. (2006). Children can be better than adults at using prosody to resolve syntactic ambiguity: Japanese children's use of prosody in the interpretation of pronominal modifiers, Poster presented at 19th Annual CUNY Conference on Human Sentence Processing. CUNY, New York, NY.

Feng, G., Mazuka, R., & Jincho, N. (December, 2005). Eye movement guidance in reading Chinese and Japanese. Paper presented at the 11th International Conference on Processing Chinese and Other East Asian Languages (PCOEAL 2005), The Chinese University of Hong Kong, Hong Kong, China.

Mazuka, R. (November, 2005). Commentary on "Asymmetry in phonology". Paper presented at the 23rd Conference of the English Linguistic Society of Japan, Kyushu University, Fukuoka, Japan.

Jincho, N., Feng, G., & Mazuka, R. (September, 2005). "Bunsho rikai ni okeru waakingumemori yoryo to gengochishiki no eikyo (2): Gankyu undo keisoku ni yoru kento". (In Japanese). (Influence of working memory capacity and cumulative linguistic knowledge (2): Examination with eye-movement monitoring). Poster presented at Japanese Psychological Association 69th Annual Meeting, Keio University, Tokyo, Japan.

Feng, G., Mazuka, R., & Jincho, N. (July, 2005). Eye movement planning in reading Japanese, Chinese, Korean and English. Poster presented at the Annual Meeting of Japanese Cognitive Science Society, University of Kyoto, Kyoto, Japan.

Jincho, N., Mazuka, R., & Namiki, H. (July, 2005). "Waakingumemori yoryo, gengochishiki no kojinsa ga bunsho rikai ni oyobosu eikyo: Gankyu undo keisoku ni yoru kento." (In Japanese). (The effects of individual differences in working memory capacity and cumulative linguistic knowledge to reading comprehension: Analysis with eye-movement monitoring.) Poster presented at the Annual Meeting of Japanese Cognitive Science Society, University of Kyoto,

Kyoto, Japan.

- Mazuka, R., Feng, G., Choi, Y-O., & Yi, L. (March, 2005). Japanese and Korean speakers' errors and corrections during sentence comprehension: Evidence from eye-movement monitoring in a picture selection task. Poster presented at the 18th Annual CUNY Conference on Human Sentence Processing, University of Arizona, Tuscon, AZ.
- Jincho, N. & Mazuka, R. (2004). Effects of verbal working memory and long-term linguistic knowledge in Japanese sentence processing. 2nd International Conference on Working Memory at Kyoto International Conference Hall, Kyoto, Japan
- Jincho, N., Mazuka, R., & Namiki, H. (2004). Effects of individual differences in working memory capacity and cumulative linguistic knowledge on reading comprehension (In Japanese). Poster presented at Japanese Psychological Association 68th Annual Meeting, Kansai University, Osaka, Japan.
- Mazuka, R. (December, 2004). Acquisition of mora-timed rhythm and prosodic bootstrapping hypothesis. Paper presented at Onseigaku-seminar, Japanese Society of Phonetics, Tokyo University of Agriculture and Engineering, Tokyo, Japan.
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### **Lectures To Disseminate Research Findings To Public**

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- Mazuka, R. (February, 2010). "Kotoba ni saguru kodomo no hattatsu: nyuyoji onsei kakutoku kenkyu kara no teigen" (In Japanese). (Looking at children's development through their language: Insight from infant language development research.) A lecture for a hundred nursery school teachers in Fujimi city.
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