**Xiaoming Jiang PhD**

Institute of linguistics, Shanghai International Studies University

1550 Wenxiang Road, Shanghai, China, 201620

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Research Profiles:

<https://www.researchgate.net/profile/Xiaoming-Jiang-3/research?ev=prf_act>

https://scholar.google.ca/citations?user=iF2CM7sAAAAJ&hl=zh-CN

Education

2005-2010 | **Ph. D.,** Basic Psychology/Cognitive Neuroscience

School of Psychological and Cognitive Sciences, Peking University

2001-2005 | **B. S.,** Psychology

School of Psychological and Cognitive Sciences, East China Normal University

2002-2005 | **Minor**, English Linguistics

School of Foreign Languages, East China Normal University

Academic Appointment

1. present | **Professor** at Institute of Linguistics, Shanghai International Studies University

2023-present | **Professor** in Key Laboratory of Language Sciences & Multilingual Artificial Intelligence, Shanghai International Studies University

2018-2020 | **Associate Professor** at Department of Psychology, School of Humanities, Tongji University

2015-2018 | **Research Associate** in School of Communication Sciences and Disorders and Center for Research in Brain, Language and Music, McGill University.

2016 | **Faculty Lecturer** at School of Communication Sciences and Disorders, McGill University

2013-2015 | **Postdoctoral research fellow** in School of Communication Sciences and Disorders and Center for Research in Brain, Language and Music, McGill University

2011-2012 | **Postdoctoral research fellow** at Center for Brain and Cognitive Sciences and School of Psychological and Cognitive Sciences, Peking University

Other Research Experience

2023 | **Visiting Professor** at Department of Linguistics and Translation, City University of Hongkong

2018, 2020 | **Visiting Professor** at School of Communication Sciences and Disorders, Faculty of Medicine, McGill University

2017-2018 | **Senior Speech Scientist** at Nuance Communication (Mobile Natural Language Understanding Team)

2010, 2012 | **Visiting Scholar** at Project Center for Brain Science of Language and Cognition and Graduate School of Education at Hiroshima University

Publication: Peer-reviewed articles (# as corresponding author)

**Jiang, X.#,** Ma, X., Sanford, R., Li, X. (2024). Adapting to Changes in Communication: The Orbitofrontal Cortex in Language and Speech Processing. *Brain Sciences, 14,* 264.

Li, Y., **Jiang, X.**# (2024). [Sound symbolic associations: Evidence from visual, tactile, and interpersonal iconic perception of Mandarin rimes](https://scholar.google.ca/citations?view_op=view_citation&hl=zh-CN&user=iF2CM7sAAAAJ&sortby=pubdate&citation_for_view=iF2CM7sAAAAJ:WgvcDLhf7hwC). *Humanities and Social Sciences Communications.* In Press.

Chen, W., **Jiang, X.**# (2024). [Memorization-Based Training and Testing Paradigm for Robust Vocal Identity Recognition in Expressive Speech Using Event-Related Potentials Analysis](https://scholar.google.ca/citations?view_op=view_citation&hl=zh-CN&user=iF2CM7sAAAAJ&sortby=pubdate&citation_for_view=iF2CM7sAAAAJ:hrkNWuzUpWwC). *Journal of Visualized Experiments.* In Press.

Hu, Y., Li, R., **Jiang, X.**#, Chen, W. (2024). [The Change in Aesthetic Experience and Empathic Concern Predicts Theory of Mind Ability: Evidence from Drama Improvisation Training](https://scholar.google.ca/citations?view_op=view_citation&hl=zh-CN&user=iF2CM7sAAAAJ&sortby=pubdate&citation_for_view=iF2CM7sAAAAJ:2_BaaiyHPJIC). *The Arts in Psychotherapy.* 89, 102167.

Xu, S., Zhang, H., Fan, J., **Jiang, X.**, Zhang, M., Guan, J., Ding, H.#, Zhang, Y.# (2024). [Auditory Challenges and Listening Effort in School-Age Children With Autism: Insights From Pupillary Dynamics During Speech-in-Noise Perception](https://pubs.asha.org/doi/abs/10.1044/2024_JSLHR-23-00553). *Journal of Speech, Language and Hearing Research, 67,* 2410-2453.

Xu, S., Fan, J., Zhang, H., Zhang, M., Zhao, H., **Jiang, X.**, Ding, H.#, Zhang, Y.# (2023). [Hearing assistive technology facilitates sentence-in-noise recognition in Chinese children with autism spectrum disorder](https://scholar.google.ca/citations?view_op=view_citation&hl=zh-CN&user=iF2CM7sAAAAJ&cstart=20&pagesize=80&sortby=pubdate&citation_for_view=iF2CM7sAAAAJ:vkuYBMKU6wEC). *Journal of Speech, Language and Hearing Research, 66,* 2967-2987.

Zhou, X.#, **Jiang, X.#** Tan, Y.# (2023). Editorial: Psychological and neurocognitive mechanisms of presupposition processing in speech and language processing. *Frontiers in Psychology, 14,* 1289045.

Yang, Q., **Jiang, X.#** (2023). On the scope of presupposition in discourse reading comprehension. *Acta Psychologica, 237,* 103955.

Hu, Y., Mou, Z., **Jiang, X.#** (2023). Attentional relevance modulates nonverbal attractiveness perception in multimodal display. *Journal of Nonverbal Behavior, 47,* 285-319.

Liao, Q., Kong, L., **Jiang, X.#** (2023). The influence of temporal information on online processing of counterfactual conditional sentences: Evidence from ERPs on temporal indicators. *Journal of Neurolinguistics, 68,* 101143.

Kong, L., Jiang, Y., Huang, Y., **Jiang, X.#** (2023). Temporal Shift Length and Antecedent Occurrence Likelihood Modulate Counterfactual Conditional Comprehension: Evidence from Event-Related Potentials. *Brain Sciences, 13,* 1724.

Weng, X., **Jiang, X.**, Liao, Q. (2023). Using information of relationship closeness in the comprehension of Chinese ironic criticism: Evidence from behavioral experiments. *Journal of Pragmatics, 215,* 55-69.

Buchanan, E., Lewis, S., Paris, B., Forscher, P., Pavlacic, J....**Jiang, X.**,...Mximilian, P. (2023). The Psychological Science Accelerator’s COVID-19 rapid-response dataset. *Scientific Data, 10,* 87.

Li, X.\*, **Jiang, X.\***, Chang, W., Tan, Y., Zhou, X. (2022). Neural segregation of left inferior frontal gyrus in semantic processes at different levels of syntactic hierarchy. *Neuropsychologia, 171,* 108-254*.* (\*equal contributor)

Pell, D. M., Sethi, S., Rigoulot, S., Rothermich, K., Liu, P., **Jiang, X.#** (2022). Emotional voices modulate perception and predictions about an upcoming face. *Cortex. 149,* 148-164*.*

Huang, Y., Deng, Y., **Jiang, X.**, Chen, Y., Mao, T., Xu, Y., Jiang, C., Rao, H. (2022). Resting-state occipito-frontal alpha connectome is linked to differential word learning ability in adult learners. *Frontiers in Neuroscience, 16,* 953315.

Dorison, C., Lerner, J., Heller, B., Rothman, A., Kawachi, I.,... **Jiang, X.**,..., Pantazi, M. (2022). [In COVID-19 health messaging, loss framing increases anxiety with little-to-no concomitant benefits: Experimental evidence from 84 countries](https://scholar.google.ca/citations?view_op=view_citation&hl=zh-CN&user=iF2CM7sAAAAJ&cstart=20&pagesize=80&sortby=pubdate&citation_for_view=iF2CM7sAAAAJ:rJyh6hJnyfgC). *Affective Science, 3,* 577-602.

Ma, X., **Jiang, X.#**, Jiang, Y. (2022). Increased spontaneous fronto-central oscillatory power during eye-closing in patients with multiple somatic symptoms. *Psychiatry Research: NeuroImaging, 324,* 111489.

Cui, X., **Jiang, X.**, Ding, H.# (2022). Affective prosody guides facial emotion processing. *Current Psychology,* https://doi.org/10.1007/s12144-022-03528-7.

Ji, Y., Hu, Y., **Jiang, X.**# (2022). Segmental and suprasegmental encoding of speaker confidence in Wuxi dialect vowels. *Frontiers in Psychology, 13,* 1028106.

Liu, P., Rigoulot, S., **Jiang, X.**, Zhang, S., Pell, D. M. (2021). Unattended emotional prosody affects visual processing of facial expressions in Mandarin-speaking Chinese: A comparison with English-speaking Canadi ans. *Journal of Cross-cultural Psychology, 52(3),* 275-294.

Mauchand, M., Caballero, J., **Jiang, X.**, Pell, D. M. (2021). Immediate on-line use of prosody reveals the ironic intentions of a speaker: neurophysiological evidence. *Cognitive, Affective & Behavioral Neuroscience, 21,* 74-92.

Caballero, J., Mauchand, M., **Jiang, X.**, Pell, D. M. (2021). Cortical processing of speaker politeness: track ing the dynamic effects of voice tone and politeness markers. *Social Neuroscience, 16 (4),* 423-438.

**Jiang, X.#**, Gossack-Keenan, K., Pell, D. M. (2020). To believe or not believe? How voice and accent information in speech alter listener impressions of trust. *Quarterly Journal of Experimental Psychology, 73,*55-79.

**Jiang, X.**, Zhou, X. (2020). An alternative structure rescues failed semantics? Strong global expectancy reduces local-mismatch N400 in Chinese flexible structures. *Neuropsychologia, 140,*107380.

Chang, W., Duan, Y., Qian, J., Wu, F., **Jiang, X.**, Zhou, X. (2020). Gender interference in processing Chinese compound reflexive: Evidence from reading eye-tracking, *Language, Cognition, Neuroscience, 35,* 1355-1370

Vergis, N., **Jiang, X.**, Pell, M.D. (2020). Neural responses to interpersonal requests: Effects of imposition and vocally-expressed stance. *Brain Research, 1740:*146855

Rigoulot, S., **Jiang, X.**, Vergis, N., Pell, M.D. (2020). Neurophysiological correlates of sexual evocative speech. Biological Psychology, In Press

**Jiang, X.#** (2019). Single-trial Based EEG Classification of the Dynamic Representation of Speaker Stance: A Preliminary Study with Representational Similarity Analysis.  *ICMI ’19: NeuroManagement and Intelligent Computing Method on Multimodal Interaction, Article 6,* 1-4.

**Jiang, X.#**, Sanford, R. (2019). Commentary: A neural mechanism of social categorization. *Frontiers in Neuroscience. 13,*368.

Zang, C., Zhang, L., Zhang, M., Bai, X., Yan, G., **Jiang, X.**, He, Z., Zhou, X. (2019). Eye movements reveal delayed use of construction-based pragmatic information during online sentence reading: A case of Chinese Lian…dou Construction. *Frontiers in Psychology, 10,* 2011.

**Jiang, X. #,** Sanford, R., Pell, D. M. (2018) Neural architecture underlying person perception from ingroup and outgroup voices. *NeuroImage, 181,* 582-597.

Hu, C., **Jiang, X.,** Jeffrey, R., Zuo, X. (2018). Open science as a better gatekeeper for science and society: A perspective from neurolaw. *Science Bulletin, 63,* 1529.

Caballero, J., Vergis, N., **Jiang, X.,** Pell, D. M. (2018) Sound of (im)politeness. *Speech Communication, 102*, 39-53.

**Jiang, X.**, Sanford, R. (2019). Commentary: A neural mechanism of social categorization. *Frontiers in Neuroscience.*

**Jiang, X. #,** Sanford, R., Pell, D. M. (2017)Neural systems for evaluating speaker (un)believability. *Human Brain Mapping, 38, 3732-3749.*

\*Zhan, J., \***Jiang, X.,** \*Politzer-Ahles, S., Yu, H., Zhou, X. (2017)Neural correlates of fine-grained meaning distinctions: an fMRI investigation of scalar implicatures. *Human Brain Mapping, 38,* 3848-3864. (\*equal contributor)

Feng, W. Wu, Y., Jan, C., Yu, H., **Jiang, X.**, Zhou, X. (2017)Effects of contextual relevance on pragmatic inference during conversation: an fMRI study. *Brain and Language, 171*, 52-61.

**Jiang, X. #** & Pell, D. M. (2017) The sound of confidence and doubt. *Speech Communication, 88,* 106-126 **[Best Paper Award on Speech Communication 2017-2022]**

Wang, R., **Jiang, X.**, Wang, W., Li, Z. (2017). A micro-needle electrode array on flexible substrate for long-term EEG monitoring. *Sensor & Actuators B: Chemical*. *244*, 750-758

**Jiang, X. #**& Pell, D. M. (2016b). How speech betrays our feeling of knowing: the case of “mixed messages”. *Journal of Experimental Psychology: Human Perception and Performance, 42,* 1412-1428.

**Jiang, X. #**, & Pell, D. M. (2016a). Neural responses towards a speaker’s feeling of (un)knowing. *Neuropsychologia, 81,* 79-93.

**Jiang, X.,** Zhou, X. (2015). Who is respectful? Effects of social context and individual empathic ability on ambiguity resolution during utterance comprehension. *Frontiers in Psychology, 6,* Article 1588*.*

**Jiang, X**. **#** & Pell, D. M. (2015). On how the brain decodes speaker’s confidence. *Cortex*, 66, 9-34.

**Jiang, X. #**, Paulmann, S., Robin, J., Pell, D. M. (2015). More than accuracy: nonverbal dialects modulates time course of vocal emotion processing across cultures. *Journal of Experimental Psychology: Human Perception and Performance*, *41,* 597-612.

Xu, X., **Jiang, X.**, Zhou, X. (2015). When a causal assumption is not satisfied by reality. Differential neural responses to concessive and causal relations during sentence comprehension. *Language, Cognition and Neuroscience*, 30, 704-715.

**Jiang, X.,** Zhou, X. (2014). Neuro-cognitive processes underlying pragmatic scalar implicature. *Linguistic Research, 14*. (In Chinese).

Hu, C., **Jiang, X.** (2014). An emotion regulation role of ventromedial prefrontal cortex in moral judgment. *Frontiers in Human Neuroscience, 8*, Article 873.

\*Li, S., \***Jiang, X.**, \*Yu, H., Zhou, X. (2014). Cognitive empathy modulates the processing of pragmatic constraints during sentence comprehension. *Social, Cognitive and Affective Neuroscience*, 9, 1166-1174. (\*equal contributor)

**Jiang, X.**, Li, Y., Zhou, X. (2013a). Is it over-respectful or disrespectful? Differential brain activities of perceiving pragmatic violation of social status during utterance comprehension. *Neuropsychologia, 51,* 2210-2223.

**Jiang, X.**, Li, Y., Zhou, X. (2013b). Even a rich man can afford that expensive house. ERP evidence of processing pragmatic constraints during sentence comprehension. *Neuropsychologia, 51,* 1857-1866.

\*Xu, X., \***Jiang, X.**, Zhou, X. (2013). Interplay between biological gender and number information in Chinese pronoun resolution: ERP evidence. *Brain and Cognition, 81,* 223-236. (\*equal contributor)

Politzer-Ahles, S., Fiorentino, R., **Jiang, X.**, Zhou, X. (2013). Event-related potential investigation of scalar implicature processing in Chinese using picture-sentence verification. *Brain Research, 1490,* 134-152.

**Jiang, X.**, Zhou, X. (2012). Multiple semantic processes at different levels of syntactic hierarchy: Does higher-level semantic process proceed in the face of local semantic failure? *Neuropsychologia, 50,* 1918-1928.

Long, Y., **Jiang, X.**, Zhou, X. (2012). To believe or not to believe: Trust choice modulates brain responses in outcome evaluation. *Neuroscience,* *200,* 50-58.

\*Zhang, Y., \***Jiang, X.**, \*Saalbach, H., Zhou, X. (2011). Multiple constraints on semantic integration in a hierarchical structure: ERP Evidence on German. *Brain Research, 1410,* 89-100. (\*equal contributor)

Zhou, X., **Jiang, X.**, Ye, Z., Zhang, Y., Lou, K., & Zhan, W. (2010). Semantic integration processes at different levels of syntactic hierarchy during sentence comprehension: ERP evidence. *Neuropsychologia, 48,* 1551-1562.

**Jiang, X.**, Tan, Y., Zhou, X. (2009). Processing the universal quantifier during sentence comprehension: ERP evidence. *Neuropsychologia, 47,* 1799-1851.

**Jiang, X.**, Zhou, X. (2009). Processing different levels of syntactic hierarchy in sentence comprehension: An ERP study on Chinese. *Neuropsychologia, 47,* 1282-1293.

Zhang, Y., **Jiang, X.**, Huang, Y. (2007). Verbal working memory, sentence comprehension, and the processing of filler-gap dependencies. *Advances in Psychological Science*, 15, 22-28. (in Chinese)

Zhang, Y., **Jiang, X.**, Yu, J. (2007). Filler-gap dependency, reading span and attentional set in Chinese sentence comprehension. *Progress in Natural Science, 17,* 181-182.

**Edited Books**

**Jiang X,** (2024). Psycholinguistics: New Advances and Real-World Applications. IntechOpen: London. Available from: http://dx.doi.org/10.5772/intechopen.111165

**Jiang, X**. (2023). Interdisciplinary Insights on Interpersonal Relationships. IntechOpen: London. doi: 10.5772/intechopen.98105

**Jiang, X**. (2021). Types of Nonverbal Communication. IntechOpen: London. doi: 10.5772/intechopen.83004

**Jiang, X.** (2017).Sociolinguistics: Interdisciplinary perspectives. InTech: Rijeka. ISBN: 978-953-51-5236-1.

**Book Chapters**

Kong, L, **Jiang X.** (2024). Perspective Chapter: How can Psycholinguistic Researches Respond To Societal Needs. In (Ed.), *Psycholinguistics - New Advances and Real-World Applications*. IntechOpen: London; Available from: <http://dx.doi.org/10.5772/intechopen.1004347>

Lin C, **Jiang X.** (2023). The Role of Personality Traits and Values in Perceived Friendship Quality: The Dyadic Approach. In (Ed.), *Interdisciplinary Insights on Interpersonal Relationships.* IntechOpen: London; Available from: <http://dx.doi.org/10.5772/intechopen.107867>

**Jiang, X.** (2021). Perceptual Attributes of Human-Like Animal Stickers as Nonverbal Cues Encoding Social Expressions in Virtual Communication. In (Ed.), *Types of Nonverbal Communication.* IntechOpen: London. https://doi.org/10.5772/intechopen.99485

**Jiang, X.** (2020). Trends in Usage-Based and Pragmatic Language Processing and Learning: A Bibliometric Analysis on Psycholinguistics and Second-Language Acquisition Studies. *Second Language Acquisition – Pedagogies, Practices and Perspectives,* Dr. Christine Savvidou (Ed.), IntechOpen: London. https://doi.org/10.5772/intechopen.92204

**Jiang, X.** (2018)Prefrontal cortex: Language communication during social interaction. In: *Prefrontal Cortex* Edited by Drs. Ana Starcevic and Branislav Filipovic. InTech: Rijeka. DOI: 10.5772/intechopen.79255.

**Jiang, X.** (2017). Tracking the sound of human affection: EEG signals reveal online decoding of socio-emotional information in human speech and voice. In: *Emotion and Attention Recognition Based on Biological Signals and Images* Edited by Seyyed Abed Hosseini. InTech: Rijeka. ISBN 978-953-51-4957-6.

**Jiang, X.**, Zhou, X. (2015). Impoliteness electrified: ERPs reveal the real time processing of disrespectful reference in Mandarin utterance comprehension. In: *Interdisciplinary Perspectives on Politeness and Impoliteness* (pp. 239-266). Edited by Marina Terkourafi, John Benjamins Press: Amsterdam.

**Editing and Reviewing Experience**

2022-present | Editorial board member of Brain Sciences (Social, Cognitive and Affective Neuroscience Section)

2021-2023 | Guest editor of Special Issue “Cognitive and neural mechanisms underlying presupposition processing in speech and language processing” in Frontiers in Psychology (Language Section) with Professor Xiaolin Zhou and Dr. Yingying Tan

2019-present | Associate editor of Bibliography of Pragmatics Online

2010 – current | Full manuscript reviewer for

Behavioral Research Methods

Bilingualism: Language and Cognition

Biological Psychology

Brain Research

Brain and Language

Cognitive Neuropsychology

Cognitive Neuropsychiatry

Communications Psychology

Cerebral Cortex

Cortex

Emotion

Frontiers in Psychology (Auditory Cognitive Neuroscience Section; Language Section)

Heliyon

Human Brain Mapping

IEEE Transactions on Affective Computing

International Journal of Psychology

International Journal of Psychophysiology

Journal of Acoustic Society of America

Journal of Behavioral and Brain Sciences

Journal of Experimental Psychology: Human Perception and Performance

Journal of Pragmatics

Journal of Neurolinguistics

Management Science

Nature Communication

NeuroImage

Neuropsychologia

PloS One

Quarterly Journal of Experimental Psychology

Scientific Reports

Speech Communication

Social, Cognitive and Affective Neuroscience

Acta Psychologica Sinica (in Chinese)

Linguistic Research (in Chinese)

Science China (Section in Biological Science, in Chinese)

2018 | Co-organizer of Special Session “Prosody in Social Context” with Professor Marc D. Pell on Speech Prosody 9 in Poznan, Poland

2011; 2012; 2016- | Abstract reviewer

Society for Neurobiology of Language (SNL)

2012; 2017-2018; 2023- | Abstract review

Organization of Human Brain Mapping (OHBM)

1. | Paper review

Affective Computing and Intelligent Interaction (ACII)

1. | Paper review

Interspeech

Conference presentations

**Jiang, X.**, Yu, L., Dai, L., Chen, J., Yuan, Z. [Breathing features and their impact on speech perception of COVID-19 patients](https://scholar.google.ca/citations?view_op=view_citation&hl=zh-CN&user=iF2CM7sAAAAJ&sortby=pubdate&citation_for_view=iF2CM7sAAAAJ:rDsFeusoTZkC). Poster presentation at 12th Speech Prosody Conference, Leiden, 2024

Chen, W., **Jiang, X.**, Ge, J., Shan, S., Zou, S., Ding, Y. [Inconsistent prosodies more severely impair speaker discrimination of artificial-intelligence-cloned than human talkers](https://scholar.google.ca/citations?view_op=view_citation&hl=zh-CN&user=iF2CM7sAAAAJ&sortby=pubdate&citation_for_view=iF2CM7sAAAAJ:Dmoar05iI2YC). Poster presentation at 12th Speech Prosody Conference, Leiden, 2024

Zhang, Q., Zhu, L., **Jiang, X**. [Tones do not disappear in singing: the duration of Mandarin tones in the music context](https://scholar.google.ca/citations?view_op=view_citation&hl=zh-CN&user=iF2CM7sAAAAJ&sortby=pubdate&citation_for_view=iF2CM7sAAAAJ:4uoR24qA-WYC). Oral presentation at 12th Speech Prosody Conference, Leiden, 2024

Ji, Y., **Jiang, X.** [The role of prosodic cues in the perception and expectation of sentence completion in structurally ambiguous sentences](https://scholar.google.ca/citations?view_op=view_citation&hl=zh-CN&user=iF2CM7sAAAAJ&sortby=pubdate&citation_for_view=iF2CM7sAAAAJ:gnsKu8c89wgC). Poster presentation at 12th Speech Prosody Conference, Leiden, 2024

Zhang, Q., Zhu, L., **Jiang, X.** [Can we sing the tones of a tonal language? The duration of Mandarin tones under music context](https://scholar.google.ca/citations?view_op=view_citation&hl=zh-CN&user=iF2CM7sAAAAJ&sortby=pubdate&citation_for_view=iF2CM7sAAAAJ:i8eIfGGcn98C). Poster presentation at 19th Conference on Laboratory Phonology, Seoul, 2024

Li, Y., **Jiang, X.** [Common and differential acoustic representation of interpersonal and tactile iconic perception of Mandarin vowels](https://scholar.google.ca/citations?view_op=view_citation&hl=zh-CN&user=iF2CM7sAAAAJ&cstart=20&pagesize=80&sortby=pubdate&citation_for_view=iF2CM7sAAAAJ:r56sNq9gaawC). Poster presentation at Interspeech, Incheon, 2022.

Ji, Y., Sun, Q., Peng, Z., **Jiang, X.** Impacts of aging on suprasegmental and segmental encoding of vocally-expressed confidence in Wuxi dialect. Poster presentation at 13th International Symposium on Chinese Spoken Language Processing (ISCSLP), Singapore, 2022.

**Jiang, X.**, Pell, M. Decoding another’s feeling of knowing from spoken language with multivariate pattern analysis on fMRI. Poster presentation at 10th Society of Neurobiology of Language (SNL), Quebec City, 2018

**Jiang, X.**, Pell, M. Predicting confidence and doubt from accented speakers: Human perception and machine learning experiments. Oral presentation at 9th Speech Prosody Conference (SP-9), Poznan, 2018

Pell, M., **Jiang, X.** The voice of confidence: how do listeners evaluate a speaker’s feeling of knowing? 17th Annual Convention: Society for Personality and Social Psychology (SPSP), San Diego, 2016

**Jiang, X.,** Pell, M.ERPs reveal the early detection of speaker believability in vocal communication. Meeting of the Social and Affective Neuroscience Society (SANS), Boston, 2015

**Jiang, X.,** Pell, M. Encoding and decoding confidence-related information in speech. Poster presentation at 7th Speech Prosody Conference (SP-7), Dublin, 2014

**Jiang, X.,** Xi, Y., Liu, J., Zhou, X. Does testosterone administration alter neural mechanisms underlying the impoliteness perception in Asian female adults? Poster presentation on the International Society of Psychoneuroendocrinology (ISPNE), Montreal, 2014.

**Jiang, X.,** Zhou, X.Making sense of hypothetical events: Evidence from Mandarin sentence comprehension. Panel Discussion in the 3rd American Association of Pragmatics, Los Angeles, 2014

**Jiang, X.,** Zhang, Y., Zhou, X. What is represented in the universal quantifier? Plurality or distributivity? Evidence from ERPs. Poster presentation on 9th International Conference on Mental Lexicon, Niagara-on-the-lake, 2014

**Jiang, X.**, Paulmann, S., Robin, J., Pell, M. Does L2 proficiency facilitate vocal emotion recognition in a non-native language? Poster presentation at International Conference on Multilingualism: Linguistic Challenges and Neurocognitive Mechanisms, Montreal, 2013

Hu, J., **Jiang, X**., He, Y., Zhou, X. Topological efficiency of resting-state networks and pragmatic processing in sentence comprehension. Poster presentation at 20th Annual Cognitive Neuroscience Society Meeting, San Francisco, 2013

**Jiang, X.**, Zhu., M., Zhou, X. When fantasy intervenes: Processing linguistic and extra-linguistic agreement during utterance comprehension. Oral presentation at 3rd Experimental and Empirical Approaches to Politeness and Impoliteness. Urbana, Illinois, 2012

Zhou, X., **Jiang, X.**, Wu, Y. Says who? Pragmatic context constrains referential ambiguity resolution during utterance comprehension. Oral presentation at 3rd Experimental and Empirical Approaches to Politeness and Impoliteness. Urbana, Illinois, 2012

**Jiang, X.**, Ye, Z., Yu, H., Zhou, X. Functional segregation of semantic processes at different levels of syntactic hierarchy. Poster presentation at 18th Annual Meeting of the Organization for Human Brain Mapping, Beijing, 2012.

Li, S. **Jiang, X.**, Yu, H., Zhou, X. Neural basis of processing conventional implicature during sentence comprehension. Poster presentation at 18th Annual Meeting of the Organization for Human Brain Mapping, Beijing, 2012.

**Jiang, X.**, Li, Y., Zhou, X. “Even a rich person can afford that luxury house”: Processing construction-based pragmatic violation during sentence comprehension. Oral presentation at the 7th International Workshop on Theoretical East Asian Linguistics (TEAL-7), Hiroshima, 2012.

**Jiang, X.**, Li, Y., Zhou, X. “Even a rich person can afford that luxury house”: Processing construction-based pragmatic violation during sentence comprehension. Poster presentation at the 3rd Neurobiology of Language Conference (NLC 2011), Annapolis, 2011.

**Jiang, X.**, Li, Y., Zhou, X. Is it over-respectful or dis-respectful? Differential brain responses to the violation of pragmatic information in language communication. Poster presentation at 24th Annual Meeting of the CUNY Conference on Human Sentence Processing (CUNY 2011), Stanford, 2011.

Politzer-Ahles, S., Fiorentino, R., **Jiang, X.**, Zhou, X. Online processing of scalar implicatures in Chinese as revealed by event-related potentials. Poster presentation at the 18th Annual Cognitive Neuroscience Meeting (CNS 2011), San Francisco, 2011.

Yu, H., **Jiang, X.**, Wang, L., Zhou, Z., Zhou, X. A guess makes a difference: Facial attractiveness anticipation modulates the neural correlates of facial attractiveness evaluation. Poster presentation at the 18th Annual Cognitive Neuroscience Meeting (CNS 2011), San Francisco, 2011.

**Jiang, X.**, Ye, Z., & Zhou, X. Semantic processes at different levels of syntactic hierarchy: fMRI evidence. Poster presentation at 16th Annual Meeting of the Organization for Human Brain Mapping, Barcelona, 2010.

**Jiang, X.**, & Zhou, X. Neuro-aesthetics and Chinese calligraphy. Poster presentation at Sino-German workshop on Cognitive Neuroscience, organized by Professor Ernst Poeppel from Human Research Center, Munich, 2009.

**Jiang, X.**, Tan, Y., & Zhou, X. Processing the universal quantifier during sentence comprehension: ERP evidence. Poster for the 22nd Annual Meeting of the CUNY Conference on Human Sentence Processing (CUNY 2009), San Diego, March, 2009.

**Jiang, X.**, Li, J., & Zhou, X. Effects of task demand and contextual expectancy on sentence comprehension: Evidence from P600 in brain potentials. Talk at the International Conference on the Processing East Asian Languages (ICPEAL 2009), Beijing, October, 2009.

Zhang, Y., **Jiang, X.**, & Yu, J. Filler-Gap Dependency, Reading Span and Attentional Set in Chinese Sentence Comprehension. Poster at the 1st Conference of Sino-Western Exchanges in Cognitive Neuroscience (CSWE-CNS 2006), Beijing, October, 2006.

Zhou, X., **Jiang, X.**, Zhang, Y., Ye, Z., Lou, K. Multiple Constraints on the Integration of Word Meaning into Sentence Representation. Poster at the ArchLang 2006, Pisa, June, 2006.

Zhou, X., **Jiang, X.**, Zhang, Y., Lou, K., & Ye, Z. Multiple Constraints on the Integration of Word Meaning into Prior Sentential Constituents: Evidence from Event-Related Brain Potentials. Talk at the 11th International Conference on Processing Chinese and Other East Asian Languages, Hong Kong, December, 2005.

**Research Interest**

Cognitive Neuroscience of social communication via verbal (language, speech) and non-verbal cues (sound, voice, prosody, etc.)

Brain mechanisms underlying real-time, dynamic social interaction via speech

Cross-cultural and computational mechanisms underlying non-verbal communication

Methodological Expertise

EEG/MEG; fMRI; Eye-tracking; fNIRs; Neuropsychological assessment; Acoustic and speech analysis; Computational and multivariate statistical modeling (MVPA; RSA...)

Awards

Best Paper Award from ISCA and EURASIP for the journal *Speech Communication* in 2017-2022

Highly cited Chinese researchers from 2022 to 2024 recognized by Elsevier Publisher (Google Scholar citation: 1611; h-index: 23; h10-index: 35)