

石川光彦 一橋大学 社会科学高等研究院

業績目録

a. 外国語による論文・著書

査読付き論文

1. **Ishikawa, M.**, Itakura, S., & Tanabe, C. H. (2017) Autistic Traits Affect P300 Response to Unexpected Events, regardless of Mental State Inferences, *Autism Research and Treatment*, vol. 2017, Article ID 8195129, 10 pages. <https://doi.org/10.1155/2017/8195129> (第一著者、被引用数 9)
2. **Ishikawa, M.**, Park, Y. H., Kitazaki, M., & Itakura, S., (2017) Social information affects adults' evaluation of fairness in distributions: An ERP approach. *PloS one*, 12(2), e0172974. <https://doi.org/10.1371/journal.pone.0172974> (第一著者、被引用数 9)
3. **Ishikawa, M.**, & Itakura, S. (2018). Observing others' gaze direction affects infants' preference for looking at gazing-or gazed-at faces. *Frontiers in psychology*, 9, 1503. <https://doi.org/10.3389/fpsyg.2018.01503> (第一著者、被引用数 14)
4. **Ishikawa, M.**, Yoshimura, M., Sato, H., & Itakura, S. (2019). Effects of attentional behaviours on infant visual preferences and object choice. *Cognitive processing*, 20, 317-324. <https://doi.org/10.1007/s10339-019-00918-x> (第一著者、被引用数 25)
5. ※**Ishikawa, M.**, & Itakura, S. (2019). Physiological arousal predicts gaze following in infants. *Proceedings of the Royal Society B*, 286(1896), 20182746. <https://doi.org/10.1098/rspb.2018.2746> (第一著者、被引用数 37)
6. Haensel, J. X., Danvers, M., **Ishikawa, M.**, Itakura, S., Tucciarelli, R., Smith, T. J., & Senju, A. (2020). Culture modulates face scanning during dyadic social interactions. *Scientific Reports*, 10(1), 1958. <https://doi.org/10.1038/s41598-020-58802-0>
7. ManyBabies Consortium. (2020). Quantifying sources of variability in infancy research using the infant-directed-speech preference. *Advances in Methods and Practices in Psychological Science*, 3(1), 24-52. <https://doi.org/10.1177/251524591990080>
8. **Ishikawa, M.**, Senju, A., & Itakura, S. (2020). Learning process of gaze following: Computational modeling based on reinforcement learning. *Frontiers in psychology*, 11, 213. <https://doi.org/10.3389/fpsyg.2020.00213> (第一著者、被引用数 17)
9. Manzi, F., **Ishikawa, M.**, Di Dio, C., Itakura, S., Kanda, T., Ishiguro, H., & Marchetti, A. (2020). The understanding of congruent and incongruent referential

- gaze in 17-month-old infants: an eye-tracking study comparing human and robot. *Scientific Reports*, 10, 11918. <https://doi.org/10.1038/s41598-020-69140-6> (共同第一著者、被引用数 41)
10. Haensel, X. J., **Ishikawa, M.**, Itakura, S., Smith, T. J., & Senju, A. (2020). Cultural influences on face scanning are consistent across infancy and adulthood. *Infant Behavior and Development*. 61, 101503. <https://doi.org/10.1016/j.infbeh.2020.101503>
 11. Hamamoto, H., Mizobata, R., **Ishikawa, M.**, & Itakura, S. (2020). Examining the social influence of reputation for partner productivity level on the collaborative task performance of young children. *Infant and Child Development*, e2213. <https://doi.org/10.1002/icd.2213> (責任著者、被引用数 2)
 12. ※**Ishikawa, M.**, Haensel, J. X., Smith, T. J., Senju, A., & Itakura, S. (2021). Affective priming enhances gaze cueing effect. *Journal of Experimental Psychology: Human Perception and Performance*, 47(2), 189. <https://doi.org/10.1037/xhp0000880> (第一著者、被引用数 33)
 13. **Ishikawa, M.**, & Itakura, S. (2022). Pupil dilation predicts modulation of direct gaze on action value calculations. *Biological Psychology*, 171, 108340. <https://doi.org/10.1016/j.biopsycho.2022.108340> (第一著者、被引用数 4)
 14. **Ishikawa, M.**, Senju, A., Kato, M., & Itakura, S. (2022). Physiological arousal explains infant gaze following in various social contexts. *Royal Society Open Science*, 9(8), 220592. <https://doi.org/10.1098/rsos.220592> (第一著者、被引用数 15)
 15. ※**Ishikawa, M.**, & Itakura, S. (2022). Social reward anticipation in infants as revealed by event-related potentials. *Social Neuroscience*, 17(5), 480-489. <https://doi.org/10.1080/17470919.2022.2138535> (第一著者、被引用数 6)
 16. Manzi, F., **Ishikawa, M.**, Di Dio, C., Itakura, S., Kanda, T., Ishiguro, H., & Marchetti, A. (2023). Infants' Prediction of Humanoid Robot's Goal-Directed Action. *International Journal of Social Robotics*, 15(8), 1387-1397. <https://doi.org/10.1007/s12369-022-00941-7> (共同第一著者、被引用数 13)
 17. **Ishikawa, M.**, & Senju, A. (2023). Action value calculations in social context from infancy. *Trends in Cognitive Sciences*. 27(3), 227-229. <https://doi.org/10.1016/j.tics.2022.12.005> (第一著者、被引用数 6)
 18. **Ishikawa, M** (2023). Measuring autonomic nervous systems as windows of mind and brain. *European Psychologist*. <https://doi.org/10.1027/1016-9040/a000500> (第一著者、被引用数 11)

19. **Ishikawa, M.**, & Itakura, S. (2024). The development of social learning: from pedagogical cues to selective learning. *Frontiers in Psychology*, *15*, 1466618. <https://doi.org/10.3389/fpsyg.2024.1466618> (第一著者、被引用数 4)
20. Manzi, F., **Ishikawa, M.**, Cinzia Di Dio, C., Itakura, S., Kanda, T., Ishiguro, H., & Marchetti, A. (2025). Theory of Mind Abilities Predict Robot's Gaze Effects on Object Preference. *IEEE Transactions on Affective Computing*. <https://doi.org/10.1109/TAFFC.2025.3531945>
21. ※**Ishikawa, M.**, & Yoshioka, A. (2025). Gaze cues facilitate incidental learning in children aged 7–10 years, but arrow cues do not. *Psychonomic Bulletin & Review*, *1-10*. <https://doi.org/10.3758/s13423-025-02657-x> (第一著者、被引用数 2)
22. Sudo, M., & **Ishikawa, M.** (2025). Moral gradients based on social boundaries: Children prioritize themselves and their ingroup when resources are limited. *Journal of Experimental Child Psychology*, *251*, 106125. <https://doi.org/10.1016/j.jecp.2024.106125>
23. ※**Ishikawa, M.**, & Smith, T. J. (2025). Value-driven anticipatory looking to emotional faces in 8-month-old infants. *Emotion*. <https://doi.org/10.1037/emo0001521>
24. **Ishikawa, M.**, & Yoshioka, A. (2025). Resting autonomic activity predicts the efficiency of approach-avoidance responses to emotional faces. *Physiology & Behavior*, *295*, 114912. <https://doi.org/10.1016/j.physbeh.2025.114912>
25. Sudo, M., & **Ishikawa, M.** (2025). Children consider unique similarities as more meaningful cues to compatibility in social partnerships. *Evolution and Human Behavior*, *46*(4), 106708. <https://doi.org/10.1016/j.evolhumbehav.2025.106708>

第一著者・責任著者論文被引用数合計 248 件 (2026 年 1 月 6 日時点)

著書

1. Section2: Exploring Human Robot Interaction. The Influence of Cognitive and Affective Processes., (2022), Humane Robotics. *A multidisciplinary approach towards the development of humane-centered technologies* (Marchetti, A., Riva, G., Ed.), VITA E PENSIERO.

b. 国際学会・海外学会での発表・講演等

1. **Ishikawa, M.**, Itakura, S., & Tanabe, C, H., Effects of autistic traits and the context use on social cognitions: A mediation analysis, 31st International

- Congress of Psychology, RC-11-220, Yokohama, Japan, July 24-29, 2016
2. **Ishikawa, M.**, Yoshimura, M., Sato, H., & Itakura, S., Gaze cuing affects the object choices in infants: I choose what you look at, Budapest CEU Conference on Cognitive Development, PB-008, Budapest, Hungary, January 6, 2017
 3. **Ishikawa, M.**, & Itakura, S., Actors' familiarity affects eye gaze processing during observing goal-directed actions, International Convention of Psychological Science, III-013, Vienna, Austria, March 24, 2017
 4. **Ishikawa, M.**, & Itakura, S., Observing gaze interaction affects facial preferences in infants, 18th European Conference on Developmental Psychology, Utrecht, Netherlands, August 29-September 1, 2017
 5. **Ishikawa, M.**, & Itakura, S., Preference for Gaze-Shifters in infants: in the triadic relation between Self-Other-Environment, ISSBD, Gold Coast, Australia, July 15-July19, 2018
 6. **Ishikawa, M.**, & Itakura, S., The effects of eye contact on infant heart rate: A study in the context of gaze following, British Psychological Society Developmental Section, Liverpool, UK, September 12-September14, 2018
 7. **Ishikawa, M.**, & Itakura, S., Physiological Arousal changes dynamically before infants show gaze following, Budapest CEU Conference on Cognitive Development, PB-07, Budapest, Hungary, January 3, 2019
 8. **Ishikawa, M.**, & Itakura, S., How machine learning can be used in social cognitive science? A challenge to predict infant social behaviour, Understanding Others-Integration of Social Cognitive and Affective Processes, #5, Munich, Germany, March 28, 2019
 9. **Ishikawa, M.**, & Itakura, S., The method to predict infant behaviour: A study of Artificial Neural Networks, 4th Lancaster Conference on Infant and Early Child Development, Lancaster, UK, August 21-23, 2019
 10. **Ishikawa, M.**, Senju, A., Kato, M., & Itakura, S., Heart rate partially explains contextual modulation of infant gaze following, Budapest CEU Conference on Cognitive Development, PB-07, Budapest, Hungary, January 8-10, 2020
 11. **Ishikawa, M.**, Senju, A., Kato, M., & Itakura, S., Heart rate mediates contextual modulation of infant gaze following, ICIS online, Glasgow, UK, July 6-9, 2020
 12. **Ishikawa, M.**, & Itakura, S., PUPIL DILATION TO DIRECT GAZE PREDICTS OVER-ESTIMATION OF EXPECTED BEHAVIOURAL VALUE DURING EYE CONTACT, Society for Psychophysiology Research Virtual Annual Meeting 2021, Poster session 1-9, October, 10-18, 2021
 13. **Ishikawa, M.**, & Itakura, S., Eye Contact Induces Over-evaluation of Expected

Reward Value in Reinforcement Learning, Psychonomic Society Virtual Annual Meeting 2021, Poster session 1066, November, 4-6, 2021

14. **Ishikawa, M.**, & Itakura, S., Social reward anticipations in 7-month-old infants: An ERP study. International Congress of Infant Studies 2022, Ottawa, Canada, July 7-10, 2022
15. **Ishikawa, M.**, & Smith, J. T., Value-driven looking behaviour to emotional faces in 8-month-old infants. The 18th European Congress of Psychology. Brighton, UK, July 3-6, 2023
16. **Ishikawa, M.** Novel Approaches and Insights into the Psychophysiological Underpinnings of Social Development. International Congress of Infant Studies 2024. Glasgow, UK, July 9, 2024
17. **Ishikawa, M.**, & Yoshioka, A., The Impact of Gaze Cueing on Incidental Learning in Childhood. APS 2024 Global Psychological Science Summit. Online, October 23, 2024

c. その他の国際的な業績

招待講演・セミナー

1. 2018年11月 Lancaster University, Psychology seminar. UK. “The Neurophysiological Mechanism of Eye Contact Effects on Gaze Following”
2. 2019年2月 Neuchatel University. Guest speaker for the lecture of Psychology. Switzerland. “My heart is beating fast: The effects of eye contact on infant physiological states and social behaviour”
3. 2019年2月 Birkbeck, University of London, CBCD Seminar, UK. “Physiological arousal predicts gaze following in infants”
4. 2019年2月 Catholic Milan University. Short Lecture for PhD students. Italy. “Why we follow other’s gaze direction? The Mechanism of Gaze Following”
5. 2023年1月 Manchester University, Cognitive Robotics Lab seminar, UK. “Value-based action decision-making in social context from infancy”
6. 2023年2月 Birkbeck, University of London, CBCD Seminar, UK. “Contextual modulation of social behaviour from infancy”
7. 2023年6月 Università Cattolica del Sacro Cuore, International seminar, Italy “What can eye-tracking technology tell us about the mind and brain? Studies from infants to adults”
8. 2024年10月 Workshop: Adaptive behaviour in human infants, animals and robots, Japan “Mechanisms of infants' gaze-following behaviour adapted to social contexts”

受賞

2019 Mission Award for improving psychological science in the face of challenge, Society for Improvement of Psychological Science

国際誌における査読・編集委員歴

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Reviewer: Cerebral Cortex ; Child Development ; Developmental Science ; Psychonomic Bulletin & Review ; Cognition ; IEEE Transactions on Affective Computing ; Behavior Research Methods ; Scientific Reports ; Royal Society Open Science ; Infancy ; Infant Behavior and Development ; British Journal of Developmental Psychology ; Cognition and Emotion ; Autism ; Neuroscience Research ; Experimental Brain Research ; ACM Transactions on Human-Robot Interaction ; Neurodevelopmental Disorders ; PLOS ONE ; Frontiers in Neuroscience ; Frontiers in Psychology ; PeerJ ; F1000 Research ; BMC Psychiatry ; BMC Psychology ; Infant and Child Development ; Japanese Psychological Research