

VIOLA MACCHI CASSIA

- Full Professor, Developmental Psychology, University of Milano-Bicocca, Italy
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ACADEMIC APPOINTMENTS AND POSITIONS

- Oct. 2012-July 2017 Vice-Director, Dept. of Psychology, University of Milano-Bicocca.
- Sept. 2006-Sept. 2009 Director, Master Degree in Clinical and Developmental Psychology and Neuropsychology, University of Milano-Bicocca.
- Nov. 2005-present Full professor (Developmental Psychology), Dept. of Psychology, University of Milano-Bicocca.
- Dec. 2002-Nov. 2005 Associate professor, University of Milano-Bicocca.
- March 2000-Dec. 2002 Researcher with tenure, University of Milano-Bicocca.

EDUCATION

- 1998 Ph.D. (Psychology), University of Pavia, Italy.
- 1994 MSc, Psychology, summa cum laude, University of Padova, Italy.

FELLOWSHIPS, SCHOLARSHIPS AND INTERNSHIPS

- 2015, January Japan Society for the Promotion of Science (JSPS) Invitation Fellowship.
- Sept.2010-July 2011 Visiting fellow, Birbeck College, London, UK.
- 2002 and 2003 Visiting fellow, Institute of Child Development, University of Minnesota, USA.
- Dec.1997-Dec.1999 Post-doctoral fellowship, European Commission CEE-BIOMED project: "Visual cognition and brain development: Memory and learning in human infants", Dept. of Developmental Psychology, University of Padova, Italy.
- 1995-1997 Full PhD scholarship (4 years), Ministry of Education, University and Research (MIUR).
- 1994 Post-lauream research internship, Dept. of Developmental Psychology, University of Padova, Italy.
- 1994 Six-month study abroad research scholarship awarded by the University of Padova, Italy.
- 1994 Erasmus Intensive Course on "Cognitive Psychology and Cognitive Science", University of Padova, Italy.

COMPETITIVE GRANTS

> *As Principal Investigator*

- 2019-2022 Italian Ministry of Education, University and Research PRIN Grant (€ 582.197).
- 2015-2016 University of Milano-Bicocca Competitive Grant (€ 25.000).
- 2008 European Social Fund (ESF) & Lombardy Region grant (€ 5.000).
- 2007-2009 Italian Ministry of Education, University and Research PRIN Grant (€ 50.000).
- 1994 University of Padova Individual Mobility Grant (€ 10.000).

> *As Participant*

- 2011-2015 European Research Council – Starting Grant (€ 1.208.000) PI: C. Turati.
- 2005-2007 Italian Ministry of Education, University and Research PRIN Grant (€ 73.000). PI: G. Vallar.
- 2003-2005 Italian Ministry of Education, University and Research PRIN Grant (€ 76.000). PI: G. Vallar.

- 2001-2003 Italian Ministry of Education, University and Research COFIN Grant (€ 50.000).
PI: F. Simion.
- 1999-2001 Italian Ministry of Education, University and Research COFIN Grant (€ 45.000).
PI: F. Simion.

BOARDS

> *Academic and University Boards*

- 2017-present Director of the Research Quality Board, Dept. of Psychology, University of Milano-Bicocca.
- 2016-2018 National Board for the Italian Abilitazione Scientifica Nazionale (ASN; National Scientific Qualification), Italian Ministry of Education, University and Research (MIUR).
- 2014-present Research Quality Board of the University of Milano-Bicocca.
- 2012-2014 Teaching Quality Board of the University of Milano-Bicocca.
- 2000-today Board of the PhD School in Experimental Psychology, Linguistics and Cognitive Neuroscience, University of Milano-Bicocca.

> *Scientific Boards*

- 2019-present Editorial Board, *Infancy*.
- 2012-present Associate Editor, *British Journal of Psychology*.
- 2005-2012 Associate Editor, *Giornale Italiano di Psicologia*.
- 2002-2005 Board of Directors, *Associazione Italiana di Psicologia* (Italian Psychological Association).

AD HOC REVIEWER FOR SCIENTIFICAL JOURNALS, SOCIETIES, COUNCILS AND ACADEMIC INSTITUTIONS

> *Journals*

Brain Research; *British Journal of Psychology*; *Child Development*; *Child Development Perspective*; *Cognition*; *Cognitive Development*; *Developmental Psychobiology*; *Developmental Science*; *Infant and Child Development*; *Journal of Cognitive Neuroscience*; *Journal of Experimental Child Psychology*; *Journal of Experimental Psychology: HPP*; *Neuropsychologia*; *Perception*; *Psychological Bulletin*; *Psychological Review*; *Psychological Science*; *Quarterly Journal of Experimental Psychology*; *Visual Cognition*.

> *Funding Agencies*

Italian Ministry of Education, University and Research (MIUR); German Federal Ministry of Education and Research (BMBF), Biotechnology and Biological Sciences Research Council, UK (BBSRC), French National Research Agency (ANR), European Research Council (ERC).

> *Evaluation Agencies*

Evaluation of the Research Quality (VQR) 2004-2010, 2011-2014, ANVUR, Italy.

> *Academic Institutions*

Western Sidney University (external assessor for Academic Promotions); University of Toronto (PhD external examiner); University of Tampere (PhD external examiner; external assessor for Academic Promotions); University of Padova (PhD external examiner).

> *Conference Review*

International Conference of Infant Studies (ICIS); Society for Research on Child Development (SRCD).

RESEARCH INTERESTS

My studies involve populations of various age groups, from birth to childhood and older adulthood, and utilize a variety of behavioral (eye-tracking recording, reaction times) and electrophysiological (EEG, ERPs, fNIRS, skin conductance) methodologies.

- The interplay between biological constraints and perceptual experience in the development of neurocognitive specialization, with specific reference to the face processing and spatial-numerical domains

- Development and plasticity of face processing biases (race bias, age bias) across the lifespan
- Social attributions based on facial information across development
- Interactions between biological and cultural factors in driving spatial biases across development
- Serial order processing in infancy
- Implicit learning skills in infancy (rule learning)

HONORS AND AWARDS

- 2019. Society for Improvement of Psychological Science Mission Award for improving psychological science in the face of challenge, as contributor to the ManyBabies1 Collaboration.
- 2015. Japan Society for the Promotion of Science (JSPS) Short-Term invitation Fellowship.

PAST AND CURRENT MAJOR COLLABORATIONS

> *International*

- ManyBabies Consortium: A multi-lab (N= 53) study of the Infant-Directed Speech preference.
- Chuo University, Tokyo. Prof. Masami Yagamuchi, Dept. of Psychology. Topic: Cross-cultural differences in infant social cognition.
- Niigata University, Japan. Nobu Shirai, Dept. of Psychology. Topic: Cross-cultural differences in infant cognition.
- Waseda University, Japan. Katsumi Watanabe, School of Fundamental Science and Engineering. Topic: Cross-cultural differences in children's processing of social cues from faces.
- CNRS, Paris, France. Dr. Maria Dolores de Hevia, Laboratoire Psychologie de la Perception. Topic: Spatial-numerical associations in infancy.
- University of Heidelberg, Department of Developmental and Biological Psychology. Dr. Stefanie Peykarjou. Topic: Neural sensitivity to facial cues to trustworthiness as revealed by Fast Periodic Visual Stimulation.
- University of Vienna, Austria. Prof. Tecumseh Fitch. Topic: Rule learning.
- Justus-Liebig-Universität, Giessen, Germany. Prof. Gudrun Schwarzer. Topic: Face processing in children.
- Brock University, Canada. Prof. Catherine Mondloch, Face Lab. Topic: The development of face representation.
- University of Toronto, Canada. Prof. Kang Lee. Topic: Cross-cultural differences in face processing skills.
- Columbia University, USA. Dr. Koleen McCrink. Topic: Development of spatial-numerical associations.
- Harvard University, USA. Prof. Charles Nelson, Nelson Lab. Topic: Developmental neural basis of face perception.

> *National*

- IRCCS Eugenio Medea, Bosisio Parini, Dr. Massimo Molteni, Chiara Cantiani, Valentina Riva. Topic: Implicit learning skills as early markers of language and learning disorders.
- University of Padova, Prof. Eloisa Valenza. Topic: Early attentional abilities as markers of typical and atypical developmental trajectories.

SCIENTIFIC PRODUCTION

Author of 2 volumes in Italian, more than 80 papers, 60 of which in peer-reviewed international journals (impact factor: max: 5,67, min: 1,04), and more than 150 conference presentations.

- Scopus, September 2019: N=65 papers in international peer-reviewed journals (1996-2019); Sum of the times cited=1816; h-index=24.
- WoS, September 2019: N=58 papers in international peer-reviewed journals (1996-2019); Sum of the times cited=1589; Average citation per item=27.4; h-index=22.
- Google Scholar, September 2019: Citations= 2945; h index=28.

PUBLICATIONS

PAPERS IN INTERNATIONAL JOURNALS

60. The Many Babies Consortium (in press). Quantifying sources of variability in infancy research using the infant-directed speech preference. *Methods and Practices in Psychological Science*.
59. de Hevia, M.D., Macchi Cassia, V., Veggiotti, L., & Netskou, M.E. (2020). Discrimination of ordinal relationships in temporal sequences by 4-month-old infants. *Cognition*, *195*, 104091.
58. Baccolo, E., & Macchi Cassia, V. (in press). Age-related differences in sensitivity to facial trustworthiness: Perceptual representation and the role of emotional development. *Journal of Experimental Child Psychology*.
57. Conte, S.*, Proietti, V.*, Quadrelli, E., Turati, C., & Macchi Cassia, V. (2019). Sibling experience prevents neural tuning to adult faces in 10-month-old infants. *Neuropsychologia*, *129*, 72-82. doi:10.1016/j.neuropsychologia.2019.03.010.
56. Quadrelli, E., Conte, S., Macchi Cassia, V., & Turati, C. (2019). Emotion in motion: Facial dynamics affect infants' neural processing of emotion. *Developmental Psychobiology*, *61*, 843-858, doi:10.1002/dev.21860.
55. Baccolo, E., & Macchi Cassia, V. (2019). Individual differences in perceptual sensitivity and representation of facial signals of trustworthiness. *Journal of Experimental Psychology: Human Perception and Performance*, *45*, 224-236. doi: 10.1037/xhp0000601.
54. Dunn, H., Bernstein, N., de Hevia, M.D., Macchi Cassia, V., Bulf, H., & McCrink, K. (2019). Operational Momentum in Preschool Children and Adults: Ordering along the mental number line. *Journal of Experimental Child Psychology*, *179*, 260-275. doi:10.1016/j.jecp.2018.11.017.
53. Kobayashi, M., Macchi Cassia, V., Kanazawa, S., Yamaguchi, M., & Kakigi, R. (2018). Perceptual narrowing towards adult faces is a cross-cultural phenomenon in infancy: A Behavioral and near-infrared spectroscopy study with Japanese infants. *Developmental Science*, *21*, e12498. doi: 10.1111/desc.12498.
52. Kobayashi, M., Macchi Cassia, V., Kanazawa, S., Yamaguchi, M., & Kakigi, R. (2018). Cover image. *Developmental Science*, *21*. doi: 10.1111/desc.12652.
51. Nava E. Rinaldi, L., Bulf, H., & Macchi Cassia, V. (2018). The spatial representation of numbers and time follow distinct developmental trajectories: a study in 6- and 10-year-old children. *Cognitive Development*, *48*, 52-61.
50. Proietti, V., Rigoldi, M., Croci, E., & Macchi Cassia, V. (2018). How sibling experience affect perceptual narrowing towards adult faces in the first year of life. *Developmental Psychobiology*, *60*, 395-406. doi: 10.1002/dev.21616.
49. Bulf, H., de Hevia, M.D., Gariboldi, V., & Macchi Cassia, V. (2017). Infants learn better from left to right: a directional bias in infants' sequence learning. *Scientific Reports*, *7*, 2437. doi:10.1038/s41598-017-02466-w.
48. de Hevia, M.D., Addabbo, M., Nava, E., Croci, E., Girelli, L., & Macchi Cassia, V. (2017). Infants' detection of increasing numerical order comes before detection of decreasing number. *Cognition*, *158*, 177-188. doi: 10.1016/j.cognition.2016.10.022.
47. Macchi Cassia, V., Bulf, H., Mc Crinck, K., & de Hevia, M.D. (2017). Operational Momentum during ordering operations for size and number in 4-month-old infants. *Journal of Numerical Cognition*, *3*, 270-287. doi: 10.5964/jnc.v3i2.67.
46. Natale E., Addabbo M., Marchis I., Bolognini N., Macchi Cassia, V., & Turati C. (2017). Action priming with biomechanically possible and impossible grasps: ERP evidence from 6-month-old infants. *Social Neuroscience*, *12*, 560-569. doi: 10.1080/17470919.2016.1197853.
45. Nava E. Rinaldi, L., Bulf, H., & Macchi Cassia, V. (2017). Visual and proprioceptive feedback differently modulate the spatial representation of number and time in children. *Journal of Experimental Child Psychology*, *161*, 161-177.

44. Senna, I., Addabbo, M., Bolognini, N., Longhi, E., Macchi Cassia, V., & Turati, C. (2017). Infants' visual recognition of pincer grip emerges between 9 and 12 months of age. *Infancy*, *22*, 389-402. doi: 10.1111/inf.12163.
43. Bulf, H., de Hevia, M.D., & Macchi Cassia, V. (2016). Small on the left, large on the right: Numbers orient visual attention onto space in preverbal infants. *Developmental Science*, *19*, 394-401. doi: 10.1111/desc.12315.
42. Macchi Cassia, V., Mc Crinck, K., de Hevia, M.D., Gariboldi, V., & Bulf, H. (2016). Operational momentum and size ordering in preverbal infants. *Psychological Research*, *80*, 360-367. doi: 10.1007/s00426-016-0750-9.
41. Addabbo, M., Longhi, E., Bolognini, N., Senna, I., Tagliabue, P., Macchi Cassia, V., & Turati, C. (2015). Seeing touches early in life. *PLoS ONE*, *10*, e0134549. doi:10.1371/journal.pone.0134549.
40. Brenna, V., Turati, C., Montiroso, R., & Macchi Cassia, V. (2015). The interference effect of emotional expressions on facial identity recognition in preschool-age children. *European Journal of Developmental Psychology*, *12*, 443-458. doi: 10.1080/17405629.2015.1047339.
39. Macchi Cassia, V., Proietti, V., Gava, L., & Bricolo, E. (2015). Searching for faces of different ages: evidence for an experienced-based own-age detection advantage in adults. *Journal of Experimental Psychology: Human Perception and Performance*, *41*, 1037-1048. doi: <http://dx.doi.org/10.1037/xhp0000057>.
38. Geangu, E., Quadrelli, E., Lewis, J., Macchi Cassia, V., & Turati, C. (2015). By the sound of it. An ERP investigation of human action sound processing in 7-month-old infants. *Developmental Cognitive Neuroscience*, *12*, 134-144. doi: 10.1016/j.dcn.2015.01.005.
37. Longhi, E., Senna, I., Bolognini, N., Bulf, H., Tagliabue, P., Macchi Cassia, V., Turati, C. (2015). Discrimination of biomechanically possible and impossible hand movements at birth. *Child Development*, *86*, 632-641.
36. Proietti, V., Macchi Cassia, V., dell'Amore, F., Conte, S., Bricolo, E. (2015). Visual scanning behavior is related to recognition performance for own- and other-age faces. *Frontiers in Psychology*. 6:1684. doi:10.3389/fpsyg.2015.01684.
35. Proietti, V., Macchi Cassia, V., & Mondloch, C.J. (2015). The own-age face recognition bias is task dependent. *British Journal of Psychology*, *106*, 446-467. doi: 10.1111/bjop.12104.
34. Proietti, V., Pavone, S., Ricciardelli, P., Macchi Cassia, V. (2015). The Left Perceptual Bias for adult and infant faces in adults and 5-year-old children: Face age matters. *Laterality: Asymmetries of Body, Brain and Cognition*, *20*, 1-21. doi: 10.1080/1357650X.2014.912220.
33. Bulf, H., Macchi Cassia, V., & de Hevia, M.D. (2014). Are numbers, size and brightness equally efficient in orienting visual attention? Evidence from an eye-tracking study. *PLoS ONE*, *9*, e99499. doi: 10.1371/journal.pone.0099499.
32. de Hevia, M.D., Girelli, L., Addabbo, M., Macchi Cassia, V. (2014). Human infants' preference for left-to-right oriented increasing numerical sequences, *PLoS ONE*, *9*, e96412. doi: 10.1371/journal.pone.0096412.
31. Macchi Cassia, V., Bulf, H., Quadrelli, E., & Proietti, V. (2014). Age-related face processing bias in infancy: Evidence of perceptual narrowing for adult faces. *Developmental Psychobiology*, *56*, 238-248. doi: 10.1002/dev.21191.
30. Macchi Cassia, V., Luo, L., Pisacane, A., Li, H., Lee, K. (2014). How race and age experiences shape young children's face processing abilities. *Journal of Experimental Child Psychology*, *120*, 87-101. doi: 10.1016/j.jecp.2013.11.016.
29. Natale E., Senna, I., Bolognini, N., Quadrelli, E., Addabbo, M., Macchi Cassia, V., & Turati, C. (2014). Predicting others' intention involves motor resonance: EMG evidence in 6- and 9-month-old infants. *Developmental Cognitive Neuroscience*, *7*, 23-29. doi: 10.1016/j.dcn.2013.10.004.
28. Macchi Cassia, V., Proietti, V., Pisacane, A. (2013). Early and later experience with one younger sibling affects face processing abilities of 6-year-old children. *International Journal of Behavioral Development*, *37*, 160-165. doi: 10.1177/0165025412469175.

27. Peykarjou, S., Westerlund, A., Macchi Cassia, V., Kuefner, D., & Nelson, C.A. (2013). The neural correlates of processing newborn and adult faces in 3-year-old children. *Developmental Science*, *16*, 905-914.
26. Proietti, V., Pisacane, A., Macchi Cassia, V. (2013). Natural experience modulates the processing of older adult faces in young adults and 3-year-old children. *PLoS ONE*, *8*, e57499. doi: 10.1371/journal.pone.0057499.
25. Turati, C., Natale, E., Bolognini, N., Senna, I., Picozzi, M., Longhi, E., Macchi Cassia, V. (2013). The early development of human mirror mechanisms: Evidence from 3- and 6-month-olds' electromyographic recordings. *Developmental Science*, *16*, 793-800.
24. de Hevia, L., Girelli, L., & Macchi Cassia, V. (2012). Minds without language represent number through space: Origins of the mental number line. *Frontiers in Psychology*, *3*, 466. doi: 10.3389/fpsyg.2012.00466.
23. Macchi Cassia, V., Pisacane, A., & Gava, L. (2012). No own-age bias in 3-year-old children: More evidence for the role of early experience in building face-processing biases. *Journal of Experimental Child Psychology*, *113*, 372-382.
22. Macchi Cassia, V., de Hevia, M.D., Picozzi, M., & Girelli, L. (2012). Increasing magnitude counts more: Asymmetrical processing of ordinality in 4-month-old infants. *Cognition*, *124*, 183-193. doi: 10.1016/j.cognition.2012.05.004.
21. Macchi Cassia, V. (2011). Age biases in face processing: the effects of experience across development. *British Journal of Psychology*. "Person perception 25 years after Bruce and Young (1986)", Special Issue, *102*, 816-829.
20. Macchi Cassia, V., Turati, C., Schwarzer, G. (2011). Sensitivity to spacing changes in faces and non-face objects in preschool-aged children and adults. *Journal of Experimental Child Psychology*, *109*, 454-467.
19. Picozzi, M., de Hevia M.D., Girelli, L. & Macchi Cassia, V. (2010). Seven-month-old infants detect ordinal numerical relationships within temporal sequences. *Journal of Experimental Child Psychology*, *107*, 359-367. doi: 10.1016/j.jecp.2010.05.005.
18. Kuefner, D., Macchi Cassia, V., Vescovo, E., & Picozzi, M. (2010). Natural experience acquired in adulthood enhances holistic face processing: evidence from the other-age effect. *Visual Cognition*, *18*, 11-25.
17. Macchi Cassia, V., Kuefner, D., Picozzi, M., Vescovo, E. (2009). Early experience predicts later plasticity for face processing: Evidence for the reactivation of dormant effects. *Psychological Science*, *20*, 853-859.
16. Macchi Cassia, V., Picozzi, M., Kuefner, D., Casati, M. (2009). Why mix-ups don't happen in the nursery. Evidence for an experience-based interpretation of the other-age effect. *The Quarterly Journal of Experimental Psychology*, *62*, 1099-1107.
15. Macchi Cassia, V., Picozzi, M., Kuefner, D., Bricolo, E., & Turati, C. (2009). Holistic processing for faces and cars in preschool-aged children and adults: evidence from the composite effect. *Developmental Science*, *12*, 236-248.
14. Picozzi, M., Macchi Cassia, V., Turati, C., & Vescovo, E. (2009). The effect of inversion on 3- to 5-year-old children recognition of face and nonface visual objects. *Journal of Experimental Child Psychology*, *102*, 487-502. doi: 10.1016/j.jecp.2008.11.001.
13. Kuefner, D., Macchi Cassia, V., Picozzi, M., & Bricolo, E. (2008). Do all kids look alike? Evidence for an other-age effect in adults. *Journal of Experimental Psychology: Human Perception and Performance*, *34*, 811-817.
12. Macchi Cassia, V., Valenza, E., Simion, F., & Leo, I. (2008). Congruency as a non-specific perceptual property contributing to newborns' face preference. *Child Development*, *79*, 807-820.
11. Macchi Cassia, V., Kuefner, D., Westerlund, A., & Nelson, C.A. (2006). Modulation of face-sensitive event-related potentials by canonical and distorted human faces: the role of vertical symmetry and up-down featural arrangement. *Journal of Cognitive Neuroscience*, *18*, 1343-1358.

10. Macchi Cassia, V., Kuefner, D., Westerlund, A., & Nelson, C.A. (2006). A behavioral and ERP investigation of 3-month-olds' face preferences. *Neuropsychologia*, *44*, 2113-2125.
9. Turati, C., Macchi Cassia, V., Simion, F., & Leo, I. (2006). Newborns' face recognition: The role of inner and outer facial features. *Child Development*, *77*, 297-311.
8. Macchi Cassia, V., Turati, C., & Simion, F. (2004). Can a non-specific bias toward top-heavy patterns explain newborns' face preference? *Psychological Science*, *15*, 379-383.
7. Macchi Cassia, V., & Simion, F. (2002). Individual differences in object-examining duration: Do they reflect the use of different encoding strategies? *Cognitive Development*, *17*, 1219-1234.
6. Macchi Cassia, V., Simion, F., Milani, I., & Umiltà, C. (2002). Dominance of global visual properties at birth. *Journal of Experimental Psychology: General*, *4*, 398-411. doi: 10.1037//0096-3445.131.3.398.
5. Simion, F., Farroni, T., Macchi Cassia, V., Turati, C., & Dalla Barba, B. (2002). Newborns' local processing in schematic facelike configurations. *British Journal of Developmental Psychology*, *20*, 465-478.
4. Simion, F., Valenza, E., Macchi Cassia, V., Turati, C., & Umiltà, C. (2002). Newborns' preference for up-down asymmetrical configurations. *Developmental Science*, *5*, 427-434.
3. Macchi Cassia, V., Simion, F., & Umiltà, C. (2001). Face preference at birth: The role of an orienting mechanism. *Developmental Science*, *4*, 101-108.
2. Simion, F., Macchi Cassia, V., Turati, C., & Valenza, E. (2001). The origins of face perception: Specific vs non-specific mechanisms. *Infant and Child Development*, *10*, 59-65. doi: 10.1002/icd.247.
1. Valenza, E., Simion, F., Macchi Cassia, V., & Umiltà, C. (1996). Face Preference at Birth. *Journal of Experimental Psychology: Human Perception and Performance*, *22*, 892-903.

INTERNATIONAL CHAPTERS

1. Simion, F., Macchi Cassia, V., Turati, C., & Valenza, E. (2003). Non-specific perceptual biases at the origins of face processing. In O. Pascalis & A. Slater (Eds.), *The development of face processing in infancy and early childhood: current perspectives* (pp. 13-25). New York: Nova Science Publishers.

PAPERS IN NATIONAL JOURNALS

18. Rigoldi, M., Bulf, H., Tagliabue P., Macchi Cassia, V. (2015). I neonati rappresentano le relazioni ordinali tra grandezze non-numeriche. *Giornale Italiano di Psicologia*, *42*, 895-902.
17. Rigoldi, M., Proietti, V., Croci, E., Macchi Cassia, V. (2015). L'esperienza con il fratello modula la capacità di riconoscimento dei volti nei bambini di 9 mesi. *Giornale Italiano di Psicologia*, *42*, 679-686.
16. Gariboldi, V., Bulf, H., de Hevia, M.D., & Macchi Cassia, V. (2014). Ordinare le grandezze sposta l'attenzione nello spazio rappresentazionale nella prima infanzia: evidenze dall'Operational Momentum. *Giornale Italiano di Psicologia*, *36*, 609-617.
15. Addabbo, M., Quirito, S., & Macchi Cassia, V. (2013). La discriminazione delle relazioni numeriche ordinali nei bambini di 4 mesi. *Giornale Italiano di Psicologia*, *40*, 657-665.
14. Quadrelli, E., Bulf, H., & Macchi Cassia, V. (2013). La sintonizzazione percettiva verso i volti di adulto nel primo anno di vita. *Giornale Italiano di Psicologia*, *2*, 437-445.
13. Tadini, M., Pisacane, A., Macchi Cassia, V. (2011). La sensibilità alle informazioni di second'ordine nei bambini di 4 anni: un confronto tra volti ed altri oggetti. *Giornale Italiano di Psicologia*, *4*, 1009-1016.
12. Proietti, V., Pavone, S., Pisacane, A., Gerli, S., Macchi Cassia, V. (2011). L'effetto "altra età" per i volti di adulto anziano. *Giornale Italiano di Psicologia*, *1*, 225-232.
11. Picozzi, M., Casati, M., Macchi Cassia, V. (2008). Il ruolo dell'esperienza nel riconoscimento di volti di diverse classi di età: uno studio su adulti "esperti". *Giornale Italiano di Psicologia*, *2*, 463-472.

10. Vescovo, E., Picozzi, M., Macchi Cassia, V. (2008). L'effetto inversione è specifico per i volti nei bambini di 3 anni? *Giornale Italiano di Psicologia, 1*, 247-254.
9. Leo, I., Turati, C., Macchi Cassia, V., Simion, F. (2007). Il riconoscimento del volto alla nascita. *Psicologia Clinica dello Sviluppo, 2*, 291-306.
8. Macchi Cassia, V., Simion, F. (2003). Differenze individuali nell'esplorazione visuo-manipolatoria e strategie di elaborazione dell'informazione. *Giornale Italiano di Psicologia, 4*, 825-846.
7. Macchi Cassia, V. (2001). Differenze individuali nelle strategie di elaborazione dell'informazione visiva: l'influenza dell'età e della natura dello stimolo. *Giornale Italiano di Psicologia, 1*, 107-132.
6. Macchi Cassia, V., Farroni, T., Valenza, E., Turati, C., & Simion, F. (2001). L'organizzazione percettiva alla nascita: modalità di elaborazione analitica e globale. *Età Evolutiva, 68*, 34-49.
5. Macchi Cassia, V., & Simion, F. (2001). Interferenza asimmetrica tra l'informazione locale e globale alla nascita. *Giornale Italiano di Psicologia, 3*, 651-656.
4. Turati, C., Macchi Cassia, V., & Simion, F. (1999). Neonato: che hai da guardare? *Psicologia Contemporanea, 4*, 28-35.
3. Macchi Cassia, V. (1998). Metodi per la valutazione delle differenze individuali nei processi attentivi nel primo anno di vita. *Psicologia Clinica dello Sviluppo, 2*, 211-244.
2. Macchi Cassia, V., & Simion, F. (1997). La suzione non nutritiva: uno strumento per lo studio delle competenze neonatali. *Giornale Italiano di Psicologia, 4*, 767-791.
1. Macchi Cassia, V., Valenza, E., & Simion, F. (1995). L'intelligenza in culla. *Nascere, 3*, 30-32.

NATIONAL BOOKS AND CHAPTERS

5. Macchi Cassia, V., Valenza, E., & Simion, F. (2012). *Lo sviluppo della mente umana. Dalle teorie classiche ai nuovi orientamenti*. Bologna: il Mulino.
4. Macchi Cassia, V., Valenza, E., & Simion, F. (2004). *Lo sviluppo cognitivo. Dalle teorie classiche ai nuovi orientamenti* (cap. 1, 4, 5, 7). Bologna: il Mulino.
3. Simion, F., Macchi Cassia, V., & Turati, C. (2002). L'organizzazione della percezione visiva alla nascita. In G. Di Stefano & R. Vianello (Eds.), *Psicologia dello sviluppo e problemi educativi* (pp. 87-105). Firenze: Giunti.
2. Cesa-Bianchi, M., Pravettoni, G., Cesa-Bianchi, G., & Macchi Cassia, V. (1997). Invecchiamento e costanza percettiva. In L. Czerwinsky Domenis (Eds.), *Obiettivo bambino: dalla ricerca pura alla ricerca applicata*. Pubblicazione in onore di Giorgio Tampieri. Milano: Franco Angeli.
1. Simion, F., Macchi Cassia, V., Valenza, E., & Dalla Barba, B. (1995). Strumenti per la valutazione delle competenze neonatali. In P. Ricci Bitti & G. Villone Bettocchi (Eds.), *Indicatori di rischio psicologico e sociale* (pp. 117-141). Napoli: Gnocchi Editore.

INVITED TALKS

- Macchi Cassia, V. (2020). Early sensitivity to facial cues to trustworthiness. Invited lecture at Chuo University, Tokyo, February 13.
- Macchi Cassia, V. (2019). Spatial biases in infants' learning of serial order: Cross-cultural evidence for the role of experience. Department for Psychology University of Giesen, Germany, May 16.
- Macchi Cassia, V. (2019). Spatial biases in infants' learning of serial order: Cross-cultural evidence for the role of experience. Department for Psychology University of Giesen, Germany, May 16.
- Macchi Cassia, V. (2019). Spatial biases in infants' learning of serial order: Cross-cultural evidence for the role of experience. Department of Developmental and Biological Psychology Heidelberg University, Germany, May 17

- Macchi Cassia, V. (2019). Exogenous influences on the development of neurocognitive specialization for face processing in infancy. Invited lecture at the Department of Psychology, Niigata University, Japan, January 21.
- Macchi Cassia, V. (2016). Early age-related facial experience shapes face processing abilities in infancy and beyond. Invited lecture at Chuo University, Tokyo, January 30.
- Macchi Cassia, V. (2014). How experience shapes face processing abilities in infancy and beyond: evidence from the age bias. Invited lecture at the X Workshop of the Person Perception Research Unit, Department for General Psychology, Friedrich-Schiller-University of Jena, Germany, October 9.
- Macchi Cassia, V. (2011). Effects of experience on age biases in face processing across development. Department for Psychology University of Giesen, Germany, May 18.
- Macchi Cassia, V. (2011). Effects of experience on age biases in face processing across development. Invited lecture at the III Workshop of the Person Perception Research Unit, Department for General Psychology, Friedrich-Schiller-University of Jena, Germany, May 19.
- Macchi Cassia, V. (2009). Plasticity of face recognition abilities varies across development: Evidence from the "Other-Age Effect". Department of Psychology, Justus-Liebig-Universität, Giessen, Germany, February 5.
- Macchi Cassia, V. (2007). The "Other-Age" Effect: Another road for investigating the role of experience in the development of face recognition abilities. Department of Psychology, University of Sheffield, UK, August 22.

ORAL AND POSTER PRESENTATIONS AT INTERNATIONAL CONFERENCES

- Baccolo, E., Quadrelli, E., Conte, S., & Macchi Cassia, V. (2019). Neural sensitivity to facial signals of trustworthiness in 6-month-old infants. Poster presented at the BCCCD meeting. Budapest, January.
- Bettoni, R., Riva, V., Cantiani, C., Riboldi E., Molteni, M., Macchi Cassia, V., & Bulf, H. (2018). Dysfunctions in infants' statistical learning are related to subthreshold autistic social impairments in their parents. Poster presented at the XX1 International Conference on Infant Studies (ICIS). Philadelphia, USA, July.
- Bulf, H., Nava, E., de Hevia, MD., & Macchi Cassia V. (2018). A left-to-right directional bias in infants' rule learning of numerical sequences. Poster presented at the XX1 International Conference on Infant Studies (ICIS). Philadelphia, USA, July.
- Conte, S., Proietti, V., Bulf, H., & Macchi Cassia, V. (2018). Visual exploration strategies in 10-month-old infants' processing of adult and child faces. Poster presented at the XX1 International Conference on Infant Studies (ICIS). Philadelphia, USA, July.
- Johnson, SP., Brady, S., Nguyen, B, Macchi Cassia, V., & Bulf, H. (2018). Rule learning transfer across linguistic and visual domains in 7-month-old infants. Poster presented at the XX1 International Conference on Infant Studies (ICIS). Philadelphia, USA, July.
- Macchi Cassia, V., Marchis, I., Bulf, H., & Tagliabue, P. (2018). "Greater" makes order visible. Representation of increasing and decreasing magnitude at birth. Poster presented at the XX1 International Conference on Infant Studies (ICIS). Philadelphia, USA, July.
- Baccolo, E., & Macchi Cassia, V. (2017). Can social attitudes shape the ability to discriminate social signals from faces? A study on a typical developing population. Poster presented at the International Workshop "From activity to interactivity: harnessing early adaptive neuroplasticity for intervention in atypical development". Erice, Italy, October.
- Baccolo, E., & Macchi Cassia, V. (2017). Individual Differences in the ability to discriminate social signals from faces. Poster presented at the NeuroMi Annual Meeting. Milano, Italy, September.
- Bettoni, R., Riva, V., Cantiani, C., Molteni, M., Macchi Cassia, V., Bulf, H. (2017). Visual rule learning abilities at 7 months of age predict language outcome at 2 years. Poster presented at the International Conference on Interdisciplinary Advances in Statistical Learning. Bilbao, Spain, June.
- Bettoni, R., Riva, V., Cantiani, C., Riboldi, E., Molteni, M., Macchi Cassia, V., Bulf, H. (2017). Dysfunctions in infants' statistical learning are related to subthreshold autistic social impairments in

- their parents. Poster presented at the International Conference on Interdisciplinary Advances in Statistical Learning. Bilbao, Spain, June.
- Bulf, H., Bettoni, R., Westphal-Fitch, G., Fitch, T., Cecchetto C., & Macchi Cassia, V. (2017). Do infants represent repetition-based visual rules at an abstract level? Poster presented at the International Conference on Interdisciplinary Advances in Statistical Learning. Bilbao, Spain, June.
 - McCrinck, K., Dunn, H., Bernstein, N., Macchi Cassia, V., Bulf, H., & de Hevia, M.D. (2017). Operational Momentum in preschool children. Talk at the Annual Meeting of the Cognitive Development Society (CDS). Portland, USA, October.
 - Quadrelli, E., Conte, S., Macchi Cassia, V., & Turati, C. (2017). Temperamental traits affect emotional expression processing of static and dynamic faces: An ERP study with 7-month-old infants. Poster presented at the Lancaster Conference on Infant and Early Child Development. Lancaster, UK, August.
 - Bettoni, R., Riva, V., Cantiani, C., Molteni, M., Macchi Cassia, V., & Bulf, H. (2017). Visual rule learning abilities at 7 months of age predict language outcome at 2 years. Poster presented at the International Conference on Interdisciplinary Advances in Statistical Learning. Bilbao, Spain, June.
 - Bettoni, R., Riva, V., Cantiani, C., Riboldi, E., Molteni, M., Macchi Cassia, V., & Bulf, H. (2017). Dysfunctions in infants' statistical learning are related to subthreshold autistic social impairments in their parents. Poster presented at the International Conference on Interdisciplinary Advances in Statistical Learning. Bilbao, Spain, June.
 - Bulf, H., Bettoni, R., Westphal-Fitch, G., Fitch, T., Cecchetto, C., & Macchi Cassia, V. (2017). Do infants represent repetition-based visual rules at an abstract level? Poster presented at the International Conference on Interdisciplinary Advances in Statistical Learning. Bilbao, Spain, June.
 - Macchi Cassia, V., Conte, S., Proietti, V., & Bulf, H. (2017). Looking behavior and perceptual recognition for adult and non-adult faces in infants and children. Talk at the International Convention on Psychological Science (ICPS). Vienna, AU, March.
 - Conte, S., Proietti, V., Bulf, H., Macchi Cassia, V. (2016). Nine-month-old infants' visual exploration strategies for adult and child faces. Poster presented at the Annual Conference of the British Psychological Society. Nottingham, UK, April.
 - Macchi Cassia, V., Bulf, H., de Hevia, M.D., McCrinck, K. (2016). Operational momentum during ordering operations in 4-month-old infants. Poster presented at the XX International Conference on Infant Studies (ICIS). New Orleans, USA, May.
 - Quadrelli, E., Conte, S., Macchi Cassia, V., Turati, V. (2016). Temperamental traits affect emotional expression processing of static and dynamic faces: an ERP study with 7-month-old infants. Talk at the XX International Conference on Infant Studies (ICIS). New Orleans, USA, May.
 - Quadrelli, E., Conte, S., Proietti, S., Turati, C., Macchi Cassia, V. (2016). The effects of age experience on cortical specialization for face processing in 9-month-old infants. Poster presented at the XX International Conference on Infant Studies (ICIS). New Orleans, USA, May.
 - Bulf, H., Gariboldi, V., de Hevia, M.D., Macchi Cassia, V. (2015). Left-to-right oriented sequences improve abstract rule learning in 7-month-old infants. Poster presented at the International Conference on Interdisciplinary Advances in Statistical Learning. San Sebastian, Spain, June.
 - Proietti, V., dell'Amore, F., Bricolo, E., Macchi Cassia, V. (2015). Face age affects the way we visually process and recognize faces: a study with adult and infant faces. Poster presented at the Annual Meeting of the Vision Science Society (VSS). Florida, USA, May.
 - Geangu, E., Quadrelli, E., Lewis, J., Macchi Cassia, V., Turati, C. (2015). In the world of social sound. An ERP investigation of infant processing of human action sounds. Poster presented at the Social & Affective Neuroscience Society Annual Meeting. Boston, USA, April.
 - Addabbo M., Marchis I., Senna I., Longhi E., Bolognini N., Macchi Cassia V., Tagliabue P., Turati C. (2015). The origins of visual perception of touch. Poster presented at the Budapest CEU Conference on Cognitive Development. Budapest, January.
 - Bulf, H., de Hevia, M.D., Macchi Cassia, V. (2015). Small on the left, large on the right: Evidence for a Posner-SNARC effect in preverbal infants. Poster presented at the Budapest CEU Conference on Cognitive Development. Budapest, January.

- Bulf, H., Gariboldi, V., de Hevia, M.D., Macchi Cassia, V. (2015). Left-to-right spatial orientation facilitates learning of abstract rules in 7-month-old infants. Poster presented at the Budapest CEU Conference on Cognitive Development. Budapest, January.
- Conte, S., Proietti, V., Quadrelli, E., Rigoldi, M., Turati, C., Macchi Cassia, V. (2015) Neural correlates of perceptual narrowing for adult faces in the first year of life. Poster presented at the Budapest CEU Conference on Cognitive Development. Budapest, January.
- Macchi Cassia, V., Bulf, H., de Hevia, M.D., McCrinck, K. (2015). Operational momentum during the representation of ordinal relations in 4- and 12-month-old infants. Poster presented at the Budapest CEU Conference on Cognitive Development. Budapest, January.
- Quadrelli, E., Geangu, E., Lewis, J., Macchi Cassia, V., Turati, C. (2014). The early processing of human action sounds: an ERP investigation in 7-month-old infants. Poster presented at the European Society for Philosophy and Psychology Conference. Noto, IT, September.
- Addabbo, M., Natale, E., Marchis, I., Bolognini, N., Macchi Cassia, V., Turati, C. (2014). Shifts of attention triggered by biomechanically possible and impossible hand grasping: ERP evidence from 6-month-old infants. Poster presented at the XIX International Conference on Infant Studies (ICIS). Berlin, Germany, July.
- Bulf, H., de Hevia, M.D., Macchi Cassia, V. (2014). Do numbers orient visual attention in infants? Evidence from an eye-tracking study. Poster presented at the XIX International Conference on Infant Studies (ICIS). Berlin, Germany, July.
- Gariboldi, V., Bulf, H., de Hevia, M.D., McCrinck, K., Macchi Cassia, V. (2014). Operational momentum during the representation of ordinal relations in 4- and 12-month-old infants. Poster presented at the Rovereto Workshop on Cognition and Evolution (COGEVO). Rovereto, IT, July.
- Geangu, E., Quadrelli, E., Lewis, J., Bolognini, N., Macchi Cassia, V., Turati, C. (2014). In the world of social sounds. An ERP investigation of infant processing of human action sounds. Poster presented at the X International Conference on Infant Studies (ICIS). Berlin, Germany, July.
- Longhi, E., Addabbo, M., Senna, I., Bolognini, N., Tagliabue, P., Macchi Cassia, V., Turati, C. (2014). Visual perception of human touch early in life. Poster presented at the XIX International Conference on Infant Studies (ICIS). Berlin, Germany, July.
- Macchi Cassia, V., Gariboldi, V., Bulf, H., McCrinck, K., de Hevia, M.D. (2014). Operational momentum during magnitude ordering in 12-month-old infants. Poster presented at the XIX International Conference on Infant Studies (ICIS). Berlin, Germany, July.
- Kobayashi, M., Macchi Cassia, V., Kanazawa, S., Yamaguchi, M., Kakigi, R. (2014). Perceptual narrowing toward adult faces in Japanese infants: a behavioral and a near-infrared spectroscopic study. Poster presented at the 10th Asia-Pacific Conference on Vision (APCV). Takamatsu, Japan, July.
- Proietti, V., Conte, S., Quadrelli, E., Rigoldi, M., Turati, C., Macchi Cassia, V. (2014). Neural correlates of perceptual narrowing for adult faces in the first year of life. Poster presented at the Rovereto Workshop on Cognition and Evolution (COGEVO). Rovereto, IT, July.
- Quirito, S., Bulf, H., Macchi Cassia, V. (2014). "Greater" makes order visible. Representation of increasing and decreasing magnitude at birth. Poster presented at the Rovereto Workshop on Cognition and Evolution (COGEVO). Rovereto, IT, July.
- Rigoldi, M., Proietti, V., Macchi Cassia, V. (2014). Sibling experience modulates perceptual narrowing for adult faces in 9-month-old infants. Poster presented at the Rovereto Workshop on Cognition and Evolution (COGEVO). Rovereto, IT, July.
- Longhi, E., Senna, I., Addabbo, M., Bulf, H., Bolognini, N., Macchi Cassia, V., Tagliabue, P., Turati, C. (2013). Biomechanically possible and impossible hand movements: Do neonates discriminate? Poster presented at the Annual Conference of the British Psychological Society Developmental and Cognitive Sections. Reading, UK, September.
- Macchi Cassia, V., Proietti, V., Kubicek, C., Schwarzer, G. (2013). The effects of early-and later-acquired experience on adults' ability to process infant faces. Symposium talk at the 16th European Conference on Developmental Psychology (ECDP). Lusanne, CH, September.

- Quadrelli, E., Geangu, E., Croci, E., Bolognini, N., Macchi Cassia, V., Turati, C., (2013). Infants' neural correlates of human action sounds: an event related potential study. Symposium talk at the Joint Annual Conference of the British Psychological Society's Developmental and Cognitive Sections. Reading, UK, September.
- Quadrelli, E., Natale, E., Senna, I., Addabbo, M., Longhi, E., Bolognini, N., Macchi Cassia, V., Turati, C., (2013). Investigating the ontogeny of the Mirror Neuron System: an EMG study with 6- and 9-month-old infants. Poster presented at the Annual Conference of the British Psychological Society Developmental and Cognitive Sections. Reading, UK, September.
- Proietti, V., Kobayashi, M., Quadrelli, E., Bulf, H., Kanazawa, S., Yamaguchi, M., Macchi Cassia, V. (2013). Cross-cultural evidence of perceptual narrowing toward adult faces in 3- and 9-month-old infants. Poster presented at the Annual Conference of the British Psychological Society Developmental and Cognitive Sections. Reading, UK, September.
- Macchi Cassia, V., Gava, L., Bricolo, E. (2013). Searching for own- and other-age faces: evidence for the role of experience. Poster presented at the Annual Meeting of the Vision Science Society (VSS). Naples, USA, May.
- Proietti, V., Macchi Cassia, V., Mondloch, C. (2013). Visual recognition of the "silent generation": Understanding the recognition advantage for young versus older adult faces. Poster presented at the Annual Meeting of the Vision Science Society (VSS). Naples, USA, May.
- Quadrelli, E., Natale, E., Senna, I., Addabbo, M., Bolognini, N., Macchi Cassia, V., Turati, C. (2012). Investigating the ontogeny of the mirror system: an sEMG study with 6- and 9-month-old infants. Poster presented at the Workshop Novel Method in Developmental Research. Uppsala, Sweden, October.
- Senna, I., Longhi, E., Addabbo, M., Bulf, H., Bolognini, N., Macchi Cassia, V., Tagliabue, P., Turati, C. (2012). Newborns differentiate between possible and impossible movements. Poster presented at the Workshop "Mirror neurons: New frontiers 20 years after their discovery". Erice, IT, August.
- Senna, I., Natale, E., Longhi, E., Picozzi, M., Bolognini, N., Macchi Cassia, V., Turati C. (2012). Investigating the ontogeny of mirror neuron system: An EMG study with 3- and 6-month-old infants. Poster presented at the Workshop "Mirror neurons: New frontiers 20 years after their discovery". Erice, IT, August.
- Longhi E., Natale E., Senna I., Picozzi M., Bolognini N., Macchi Cassia V., Turati C. (2012). The origins and development of mirror neuron system in humans: an EMG study with 3- and 6-month-old infants. Poster presented at the Rovereto Workshop on Cognition and Evolution (COGEVO). Rovereto, IT, June.
- Longhi E., Senna I., Addabbo M., Bulf H., Bolognini N., Macchi Cassia V., Tagliabue P., Turati C. (2012). Newborns' ability to distinguish between possible vs impossible hand movements: an integration between motor and visual representation. Poster presented at the Rovereto Workshop on Cognition and Evolution (COGEVO). Rovereto, IT, June.
- Macchi Cassia, V., Bulf, H., Proietti, V., Picozzi, M. (2012). Discrimination of adult and infant faces in 3- to 9-month-old infants: first evidence for a narrowing toward adult faces. Poster presented at the XVIII International Conference on Infant Studies (ICIS). Minneapolis, USA, June.
- Macchi Cassia, V., Luo, L., Gava, L., Li, H., Lee, K. (2012). The influence of early experience on race and age biases in young children's face recognition. Oral presentation at the XVIII International Conference on Infant Studies (ICIS). Minneapolis, USA, June.
- Turati C., Natale E., Bolognini N., Picozzi M., Senna I., Longhi E., Macchi Cassia V. (2012). Infants' muscle activation speaks about infants' action understanding. Poster presented at the XVIII International Conference on Infant Studies (ICIS). Minneapolis, USA, June.
- Proietti, V., Pisacane, A., Macchi Cassia, V. (2012). Experience affects age biases in face processing in children and adults. Poster presented at the Annual Meeting della Vision Science Society (VSS). Naples, USA, May.
- Bolognini, N., Senna, I., Natale, E., Picozzi, M., Longhi, E., Macchi Cassia, V., Turati, C. (2012). The early development of the mirror system: Insights from an EMG study in infants. Poster presented at the Cognitive Neuroscience Society Conference (CNS). Chicago, USA, March.

- de Hevia, M.D. Macchi Cassia, V. (2011). Early precursors of a number line. Symposium talk at the Biennial Meeting della Society for Research in Child Development (SRCD). Montreal, Canada, March.
- Macchi Cassia, V., Girelli, L., de Hevia, M.D., Picozzi, M. (2011). Four-month-old infants' detection of order: An advantage for increasing non-numerical sequences. Poster presented at the Biennial Meeting of the Society for Research in Child Development (SRCD). Montreal, Canada, March.
- Natale, E., Picozzi, M., Ferrara, V., Senna, I., Bolgnini, N., Macchi Cassia, V., Turati, C. (2011). Electromyographical correlates of observed actions in 6-month-old infants. Poster presented at the Biennial Meeting of the Society for Research in Child Development (SRCD). Montreal, Canada, March.
- Natale, E., Picozzi, M., Ferrara, V., Senna, I., Bolognini, N., Macchi Cassia, V., Turati, C. (2011). Electromyographical correlates of observed actions in 6-month-old infants. Poster presented at the Cognitive Neuroscience Society Conference (CNS). San Francisco, USA.
- Macchi Cassia, V., de Hevia, M.D., Picozzi, M., Rumi, G., Perego, V., Girelli, L. (2010). Increasing magnitude counts more: evidence from 4-month-old infants' detection of non-numerical ordinal sequences. Poster presented at the BPS Developmental Section Conference. London, UK, September.
- Macchi Cassia, V., Kuefner, D., Picozzi, M. (2010). Plasticity of face recognition abilities varies across development: Evidence from the "Other-Age Effect". Oral presentation at the XVII International Conference on Infant Studies (ICIS). Baltimore, USA, March.
- Macchi Cassia, V., Turati, C., Schwarzer, G., Pisacane, A., Tadini, M. (2010). Three- and 4-year-old children's sensitivity to the spacing among features in faces and cars. Poster presented at the BPS Developmental Section Conference. London, UK, September.
- de Hevia, MD, Picozzi, M., Girelli, L., Macchi Cassia, V. (2010). Left-to-right oriented number line: Infants' use of space to represent number magnitude. Poster presented at the XVII International Conference on Infant Studies (ICIS). Baltimore, USA, March.
- Picozzi, M., de Hevia, M.D., Girelli, L., Macchi Cassia, V. (2009). Are 4-month-olds able to discriminate non-numerical ordinal sequences? Poster presented at the Rovereto Workshop on Cognition and Evolution (COGEVO). Rovereto, IT, June.
- Picozzi, M., de Hevia, M.D., Girelli, L., Macchi Cassia, V. (2009). Seven-month-old infants' ability to detect ordinal numerical relationships within temporal and spatiotemporal sequences. Poster presented at the Rovereto Workshop on Cognition and Evolution (COGEVO). Rovereto, IT, June.
- Girelli, L., Perrone, G., Pisacane, A., Macchi Cassia, V. (2009). The influence of number and magnitude information on space representation in children. Poster presented at the Biennial Meeting of the Society for Research in Child Development (SRCD). Denver, USA, April.
- Picozzi, M., de Hevia, M.D., Girelli, L., Macchi Cassia, V. (2009). Are 4-month-olds able to discriminate ordinal sequences of non-numerical quantities? Poster presented at the Biennial Meeting of the Society for Research in Child Development (SRCD). Denver, USA, April.
- Kuefner, D., Macchi Cassia, V., Vescovo, E. (2008). The face inversion effect in infancy: is it really face specific? Poster presented at the XVI International Conference on Infant Studies (ICIS). Vancouver, Canada, March.
- Macchi Cassia, V. (2008). The effects of early and later experience on face recognition abilities: evidence from the other-age effect. Oral presentation at the XVI International Conference on Infant Studies (ICIS). Vancouver, Canada, March.
- Kuefner, D., Macchi Cassia, V., Bricolo, E., Picozzi, M. (2007). Are 6-month-olds truly sensitive to the illusion generated by illusory contours? A control and an extension. Poster presented at the Biennial Meeting of the Society for Research in Child Development (SRCD). Boston, USA, March.
- Kuefner, D., Picozzi, M., Macchi Cassia, V. (2007). Is the other-age effect differentially modulated by experience in young children and adults? Poster presented at the Biennial Meeting of the Society for Research in Child Development (SRCD). Boston, USA, March.

- Picozzi, M., Turati, C., Macchi Cassia, V. (2007). The development of configural face processing in preschool-aged children: Is the inversion effect specific for faces? Poster presented at the Biennial Meeting of the Society for Research in Child Development (SRCD). Boston, USA, March.
- Daini R., Zilli T., Bricolo E., Macchi Cassia V., Vallar G. (2006) The role of cognitive development on visual perception of illusory configurations. *Australian Journal of Psychology*, 58, supp, pp70-71.
- Kuefner, D., Macchi Cassia, V., Bricolo, E., Picozzi, M. (2006). Anticipatory eye movements reveal infants' ability to perceive illusory contours. Poster presented at the XV International Conference on Infant Studies (ICIS). Kyoto, Japan, June.
- Kuefner, D., Macchi Cassia, V., Picozzi, M., Bricolo, E. (2006). The effects of experience on the development of face recognition abilities: the emergence of an "Other-Age" effect in infants. Poster presented at the XV International Conference on Infant Studies (ICIS). Kyoto, Japan, June.
- Picozzi, M., Macchi Cassia, V., Turati, C. (2006). The development of configural face processing: the face inversion effect in preschool-aged children. Poster presented at the XV International Conference on Infant Studies (ICIS). Kyoto, Japan, June.
- Kuefner, D., Macchi Cassia, V., Bricolo, E., Picozzi, M. (2005). Anticipatory eye movements reveal infants' ability to perceive illusory contours. Poster presented at the European Science Foundation Research Conference "Brain development and cognition in human infants: From action to cognition". Acquafredda di Maratea, IT, October.
- Leo I., Turati, C., Macchi Cassia, V., Simion, F. (2005). Newborns' face recognition. Poster presented at the European Science Foundation Research Conference "Brain development and cognition in human infants: From action to cognition". Acquafredda di Maratea, IT, October.
- Picozzi, M., Macchi Cassia, V., Kuefner, D., Bricolo, E. (2005). The role of experience in the development of face recognition abilities: evidence for an "other-age effect" in adults and preschool-aged children. Poster presented at the European Science Foundation Research Conference "Brain development and cognition in human infants: From action to cognition". Acquafredda di Maratea, IT, October.
- Kuefner, D., Macchi Cassia, V., Westerlund, A., Vogel, V., Nelson, C.A. (2005). Face and non-face object perception at 3 months: ERP evidence for early neural specialization. Poster presentato alla Cognitive Neuroscience Society Conference (CNS). New York, USA, 10-12 aprile.
- Westerlund, A., Macchi Cassia, V., Kuefner, D., Nelson, C.A. (2004). Face detection in 3-month-old infants: behavioral responses and neural correlates. Poster presented at the International Conference on Infant Studies (ICIS). Chicago, USA, May.
- Macchi Cassia, V., Nelson, C.A., Borscheid, A., Kuefner, D., Stein, M. (2003). Event-related brain potentials in adults differentiate between faces and non-face up-down asymmetrical patterns. Poster presentato alla Cognitive Neuroscience Society Conference (CNS). New York, USA, 30 marzo-1 aprile.
- Macchi Cassia, V., Borscheid, A., Kuefner, D. (2003). Neural correlates of face detection at 3-months: facedness vs. up-down asymmetry. Poster presentato al Biennial Meeting of the Society for Research in Child Development (SRCD). Tampa, USA, 24-27 aprile.
- Macchi Cassia, V., Turati, C., Zulian, L., Simion, F. (2003). Newborns' preference for photographs of real faces: The role of up-down asymmetry. Poster presented at the Biennial Meeting of the Society for Research in Child Development (SRCD). Tampa, USA, April.
- Turati, C., Macchi Cassia, V., Zanon, L., Simion, F. (2003). The role of external versus internal features in newborns' face recognition. Poster presented at the XI European Conference on Developmental Psychology (ECDP). Milano, IT, August.
- Macchi Cassia, V., Milani, I., Zanon, L. (2002). Dominance of configural properties in newborn visual perception. Poster presented at the XIII International Conference on Infant Studies (ICIS). Toronto, Canada, April.
- Macchi Cassia, V., Valenza, E., Pividori, D., Simion, F. (2002). Facedness vs non-specific structural properties: What is crucial in determining face preference at birth. Poster presented at the XIII International Conference on Infant Studies (ICIS). Toronto, Canada, April.

- Simion, F., Macchi Cassia, V., Turati, C. (2002). Perceptual organization of birth. Oral presentation at the XIII International Conference on Infant Studies (ICIS). Toronto, Canada, April.
- Macchi Cassia, V., Simion, F., Milani, I. (2001). Do newborns perceive "the forest before the trees"? Poster presented at the Biennial Meeting della Society for Research in Child Development (SRCD). Minneapolis, USA, April.
- Simion, F., Macchi Cassia, V., Turati, C., Valenza, E. (2001). The origins of face perception: Specific vs non-specific mechanisms. Oral presentation at the Biennial Meeting della Society for Research in Child Development (SRCD). Minneapolis, USA, April.
- Farroni, T., Macchi Cassia, V., Turati, C., Simion, F. (2000). Face discrimination in newborns. Poster presented at the XII International Conference on Infant Studies (ICIS). Brighton, UK, July.
- Macchi Cassia, V., Simion, F., Milani, I. (2000). Evidence for a global precedence effect in newborns. Poster presented at the European Science Foundation Research Conference "Brain development and cognition in human infants II: Normal and abnormal cortical functional specialization". La Londe les Maures, France, September.
- Simion, F., Valenza, E., Macchi Cassia, V., Turati C., Umiltà, C. (2000). Newborns' preference for structural properties. Poster presented at the European Science Foundation Research Conference "Brain development and cognition in human infants II: Normal and abnormal cortical functional specialization". La Londe les Maures, France, September.
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