

Anna M. Borghi

Publicazioni 2019-2023 (in giallo quelle con coautori internazionali)

Libri:

Borghi, A.M. (in press, 2023). *The freedom of words: On abstractness and the power of language*. Cambridge: Cambridge University Press. ISBN: 9781108842907

Articoli

Borghi, A. M., Osińska, A., Roepstorff, A., & Raczaszek-Leonardi, J. (2023). Concepts in interaction: social engagement and inner experiences. *Philosophical Transactions of the Royal Society B*, 378(1870), 20210351. <https://doi.org/10.1098/rstb.2021.0351>.

Borghi, A.M., Fernyhough, C. (2023). Concepts, abstractness, and inner speech. *Philosophical Transactions of the Royal Society B: Biological Sciences* 378(1870), 20210371. doi: 10.1098/rstb.2021.0371.

Bellagamba*, F., **Borghi***, A.M., Mazzuca, C., Pecora, G., Ferrara, F., Fogel, A. (2022). Abstractness emerges progressively over the second year of life. *Scientific report*, 12, 20940. <https://doi.org/10.1038/s41598-022-25426-5>.

Di Vincenzo, M., Palini, F., De Marsico, M., **Borghi, A.M.**, Baldassarre, G. (2022). A natural human-drone embodied interface: empirical comparison with a traditional interface. *Frontiers in Neurorobotics*. <https://doi.org/10.3389/fnbot.2022.898859>.

Villani, C., Orsoni, M., Lugli, L., Benassi, M., **Borghi, A.M.** (2022). Abstract concepts in conversation. *Scientific report*, 12: 17572. <https://doi.org/10.1038/s41598-022-20785-5>.

Banks, B., **Borghi, A.M.**, Fargier, R., Fini, C., Jonauskaitė, D., Mazzuca, C., Montalti, M., Villani, C., Woodin, G. (accepted in 2022, in press). Consensus Paper: Current Perspectives on Abstract Concepts and Future Research Directions. *Journal of Cognition*.

Paoletti, M., Fini, C., Filippini, C., Massari, G., D'Abundo, E., Bellagamba, F., **Borghi, A.M.** (2022). Abstract concepts and prosocial behavior in children: A thermal imaging study *Frontiers in Psychology*. 13:932118. doi: 10.3389/fpsyg.2022.932118.

Granato, G., **Borghi, A.M.**, Mattera, G., Baldassarre, G. (2022). A computational model of inner speech supporting flexible goal-directed behaviour in Autism. *Scientific Report*, 12, 14198. <https://doi.org/10.1038/s41598-022-18445-9>.

Borghi, A.M., Fini, C., & Mazzuca, C. (2022). Abstract Concepts, Social Interaction, and Beliefs. *Frontiers in Psychology*, 13. <https://doi.org/10.3389/fpsyg.2022.919808>.

G. Pecora, Focaroli, V., Paoletti, M., Barca, L., Chiarotti, F., **Borghi, A.M.**, Gasparini, C. Caravale, B., Bombaci, I., Gastaldi, S., Bellagamba, F. Addressi, E. (2022). Infant sleep and development: Concurrent and longitudinal relations during the first 8 months of life. *Infant behavior and development*, 67, 101719. <https://doi.org/10.1016/j.infbeh.2022.101719>

Borghi, A.M. (2022). Concepts for which we need others more: The case of abstract concepts. *Current directions in psychological science*, 31(3), 238–246. <https://doi.org/10.1177/09637214221079625>

D'Aversa, F., Lugli, L., **Borghi, A.M.**, Barca, L. (2022). Implicit effect of abstract/concrete components in the categorization of Chinese words. *Journal of Cognitive Psychology*, 34(5), 592–606. <https://www.tandfonline.com/doi/full/10.1080/20445911.2022.2049279>.

Mazzuca, C., Falcinelli, I., Michalland, A.M., Tummolini, L., **Borghi, A.M.** (2022). Bodily, emotional, and public sphere at the time of COVID-19. An investigation on concrete and abstract concept. *Psychological research*, 86, 2266–2277. <https://link.springer.com/article/10.1007/s00426-021-01633-z>

Fini, C., Tummolini, L., **Borghi, A.M.** (2021). Contextual modulation of preferred social distance during the Covid-19 pandemic. *Scientific Reports*, 11(1), 1-11..

Pezzuti, L., Dawe, J., **Borghi, A.M.** (2021). Do abstract concepts decline with age? *Educational Gerontology*, 47, 12, 527-542. <https://www.tandfonline.com/doi/full/10.1080/03601277.2021.2008709>

Fini*, C., Zannino*, G., Orsoni, M., Carlesimo, G., Benassi, M., **Borghi, A.M.** (2021). Articulatory suppression delays processing of abstract concepts: The role of inner speech. *Quarterly Journal of Experimental Psychology*, 75(7), 1343–1354. <https://journals.sagepub.com/doi/10.1177/17470218211053623>.

Mazzuca*, C., Fini*, C., Michalland, A.H., Falcinelli, I., Da Rold, F., Tummolini, L., **Borghi, A.M.** (2021). From affordances to abstract words: The flexibility of sensorimotor grounding. *Brain Sciences*, 11, 10, 1304, <https://doi.org/10.3390/brainsci11101304>.

Mazzuca, C., Falcinelli, I., Michalland, A.H., Tummolini, L., **Borghi, A.M.** (2021). Differences and similarities in the conceptualization of COVID-19 and other diseases in the first Italian lockdown. *Scientific Report*, 11, 18303. <https://doi.org/10.1038/s41598-021-97805-3>.

Fini, C., Era, V., da Rold, F., Candidi, M., & **Borghi, A.M.** (2021). Abstract concepts in interaction: The need of others when guessing abstract concepts smooths dyadic motor interactions. *Royal Society open*, 8, 201205201205 <http://doi.org/10.1098/rsos.201205>.

G Papitto, L Lugli, AM **Borghi**, A Pellicano, F Binkofski (2021). Embodied negation and levels of concreteness: A TMS Study on German and Italian language processing *Brain Research*, 147523, <https://doi.org/10.1016/j.brainres.2021.147523>.

M Mustile, F Giocondo, D Caligiore, AM **Borghi**, D Kourtis (2021). Motor inhibition to dangerous objects: Electrophysiological evidence for task-dependent aversive affordances. *Journal of Cognitive Neuroscience* 33 (5), 826-839. https://doi.org/10.1162/jocn_a_01690.

C Villani, S D'Ascenzo, AM **Borghi**, C Roversi, M Benassi, L Lugli (2021). Is justice grounded? How expertise shapes conceptual representation of institutional concepts. *Psychological Research*, 1-17.

Borgi, A.M. (2021). Affordances, context and sociality. *Synthese*, 199(5-6), 12485-12515. DOI: 10.1007/s11229-018-02044-1.

Borgi, A.M., (2020). A future of words: Language and the challenge of abstract concepts. (special collection: The future of embodiment research. Challenges and opportunities.). *Journal of Psychology*, 3(1): 42, pp.1-18. DOI: <https://doi.org/10.5334/joc.134>.

Dove, G., Barca, L., Tummolini, L., **Borgi, A.M.** (2020, in press). Words have a weight: language as a source of inner grounding and flexibility in abstract concepts. [link to the psyarxiv preprint](#), preprint doi: 10.31234/osf.io/j6xhe. *Psychological Research*.

Villani, C., Lugli, L., Liuzza, M.T., Nicoletti, R., **Borgi, A.M.** (2021). Sensorimotor and interoceptive dimensions in concrete and abstract concepts. *Journal of Memory and Language*, 116, 104173. doi: 10.31234/osf.io/kn3vc.

Granato, G., **Borgi, A.M.**, Baldassarre, G. (2020). A computational model of language functions in flexible goal-directed behavior. *Scientific Reports*, 10, 21623 (2020). <https://doi.org/10.1038/s41598-020-78252-y>.

Borgi, A.M., Tummolini, L. (2020). Touch me if you can: The intangible but grounded nature of abstract concepts. Commentary to Gilead, Trope & Liberman. *Behavioral and Brain Sciences*, 43, DOI: <https://doi.org/10.1017/S0140525X19003091>.

Gandhari, M., Fini, C., Darold, F., **Borgi, A.M.** (2020). Different kinds of embodied language: a comparison between Italian and Persian languages. *Brain and Cognition*, 142, 105581.

Foerster, F., **Borgi, A.M.**, Goslin, J. (2020). Labels strengthen motor learning of new tools. *Cortex*, doi: 10.1016/j.cortex.2020.04.006.

Mazzuca, C., Majid, A., Lugli, L., Nicoletti, R., Borgi, A.M. (2020). Gender is a multifaceted concept: Evidence that specific life experiences differentially shape the concept of gender. *Language and Cognition*, 12(4), 649-678.

Barca, L., Mazzuca, C., **Borgi, A.M.** (2020). Overusing the Pacifier during Infancy Sets a Footprint on Abstract Words Processing. *Journal of Child Language*, 1-16, doi:10.1017/S0305000920000070.

Borgi, A.M., Barsalou, L. (2019). Perspective in the conceptualization of categories. *Psychological Research*, doi: 10.1007/s00426-019-01269-0.

Borgi, A.M., Barca, L., Binkofski, F., Castelfranchi, C., Pezzulo, G., Tummolini, L. (2019). Words as social tools: Flexibility, situatedness, language and sociality in abstract concepts. Reply to comments on "Words as social tools: Language, sociality and inner grounding in abstract concepts". *Physics of Life Reviews*, 29:178-184. <https://doi.org/10.1016/j.plrev.2019.06.004>.

Villani, C., Lugli, L., Liuzza, M.T., **Borgi, A.M.** (2019). Varieties of abstract concepts and their multiple dimensions. *Language and cognition*, 11, 3, 403-430. <https://doi.org/10.1017/langcog.2019.23>.

Borghi, A.M., Fini, C. (2019). Theories and explanations in psychology. *Frontiers in psychology* 10, 958. **IF 2019: 2.067**

Borghi, A.M., Barca, L., Binkofski, F., Castelfranchi, C., Pezzulo, G., Tummolini, L. (2019). Words as social tools: Language, sociality and inner grounding in abstract concepts. *Physics of Life Reviews*, 29, 120-153. <https://doi.org/10.1016/j.plrev.2018.12.001>.

Capitoli di libri e proceedings internazionali

Borghi, A.M. (2022). Merging affordances and abstract concepts. In Z.Djebbara (ed.). *Affordances in everyday life. A multidisciplinary collection of essays*. New York: Springer (pp.113-122). <https://doi.org/10.1007/978-3-031-08629-8>

Borghi, A.M., Fini, C., Tummolini, L. (2021). Abstract Concepts and Metacognition: Searching for Meaning in Self and Others. In: Robinson, M.D., Thomas, L.E. (eds) *Handbook of Embodied Psychology*. Springer, Cham. https://doi.org/10.1007/978-3-030-78471-3_9

Borghi, A.M. (2020). Embodiment and language. In F.Gomez-Paloma (ed). *Embodiment and school*. (pp. 29-39). Pensa Multimedia. ISBN 978-88-6760-764-8

De Bortoli Vizioli, A., **Borghi, A.M.**, Tummolini, L. (2020). When me is mine: An embodied origin of psychological ownership? *42nd Annual Meeting of the Cognitive Science Society (CogSci 2020) - Developing a Mind: Learning in Humans, Animals, and Machines. paper 0587, 2473-79. ISBN:9781713818977*

Mazzuca, C., **Borghi, A.M.** (2019). Abstract concepts and the activation of mouth-hand effectors 1. In M.Bolognesi, G.J.Steen (eds.). *Perspectives on abstract concepts: Cognition, language and communication*. John Benjamins. ISBN 978 90 272 0318 2 HB, 978 90 272 6253 3 EB

Scerrati, E., Lugli, L., Nicoletti, R., **Borghi, A.M.** (2019). Is the Acoustic Modality Relevant for Abstract Concepts? A Study with the Extrinsic Simon Task. In M.Bolognesi, G.J.Steen (eds.). *Perspectives on abstract concepts: Cognition, language and communication* 65, 101. John Benjamins. ISBN 978 90 272 0318 2 HB, 978 90 272 6253 3 EB

Articoli su riviste nazionali

Borghi, A.M. (2022). Domenico: Pensare chiaro, pensare forte. *Sistemi intelligenti*, XXXIV, 3, 551-578. DOI: 10.1422/105822.

Mirolli, M. Borghi, A.M., Delogu, C., Lettieri, N., Nolfi, S. (2022). Editoriale (numero speciale Domenico Parisi: Uno scienziato indisordinato). *Sistemi intelligenti*, XXXIV, 3, 449-454. DOI: 10.1422/105812.

Borghi, A.M. (2022). Embodied e grounded cognition e oltre: Una rivoluzione all'inizio. Commento all'articolo target di Francesco Iani: Embodied Cognition: una rivoluzione a metà? *Giornale Italiano di Psicologia*, 2, 423-427. DOI: 10.1421/105152

Falcinelli, I., Fini, C., **Borghi, AM.** (2021). Lavarsi le mani reduce il senso di colpa: Evidenze con un compito semantico implicito. *Giornale Italiano di Psicologia*, 1, 263-271. DOI: 10.1421/101241

Borgi, A.M. (2019). Linguistic relativity and abstract words. *Paradigmi, Rivista di critica filosofica*, 3, 429-448, doi: 10.30460/95137.

Villani, C., Lugli, L., Liuzza, M.T., **Borgi, A.M.** (2019). Le sotto-categorie dei concetti astratti: uno studio empirico. *Sistemi intelligenti*, 31 (2), 235-252. DOI: 10.1422/93572